FINAL REPORT
Air Emissions Inventory, Air Permit Applicability and Global Warming Potential Assessment, Ozone Depleting Chemicals Survey, and Florescent Light Ballast Survey at Various NJARNG Facilities

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As a result of the actions taken by the U.S Congress in 1978 with the passing of the Toxic Substances Control Act (TSCA), polychlorinated biphenyls are no longer produced, or distributed for use in common appliances. Part *40 CFR 761* of the TSCA limits the production, distribution, and use of PCBs due to the health risk they pose towards humans and the environment. Additionally, light ballasts in current use at New Jersey Army National Guard (NJARNG) facilities are not as efficient as modern LED light fixtures, which do not require the use of light ballasts. Removal and replacement of light ballasts do pose a logistical challenge to facility operations at NJARNG facilities.

NJARNG facilities utilize fluorescent light ballasts for standard facility lighting during day-to-day operations. Fluorescent fixtures at facilities utilize magnetic or electronic ballasts, which are responsible for regulating the current of electricity going to the lamp, preventing it from failing. Magnetic ballasts are of concern, as older magnetic ballasts can contain PCBs. Furthermore, aging magnetic ballasts can leak their contents over time, releasing PCBs into facilities and the environment. PCB blends may go by trade names, such as Aroclor™, Pyranol/Pyrenol™, and Inerteen™, depending on manufacturer. A general scientific consensus shows that some PCBs exhibit dioxin-like properties, making them excessively toxic and carcinogenic even in low concentrations. Replacement of light ballasts with LED fixtures would eliminate the risk of light ballast leaks, and provide a more energy efficient solution.

The elimination of PCB-containing light ballasts from NJARNG facilities is therefore a priority. Magnetic ballasts, which have the potential to contain PCBs, are of the highest priority for removal. Elimination of the use of magnetic ballasts will include the prohibition of the purchase of PCB-containing ballasts, the dismantling of magnetic ballasts to screen them for PCBs, the recovery of all PCB-containing magnetic ballasts, the proper handling and disposal (as per *40 CFR 761.50*) of PCB-containing magnetic ballasts, and the use of energy efficient LED fixtures as an alternative.

This survey report includes the locations, quantities, and types of light fixtures and ballasts at surveyed facilities. Additionally, recommended actions for each facility are listed. We ask NJARNG facility leaders to address our recommendations to replace the identified fixtures potentially containing PCBs with safer, more energy efficient alternatives.

Ozone Depleting Chemicals Survey

As a result of actions taken by multiple parties after the Montreal Protocol, and by the United States Congress in the 1990 amendments to the Clean Air Act, ozone-depleting chemicals (ODCs), such as halons, and chlorofluorocarbons, are no longer produced for use in common appliances. The U.S Congress in Public Law 102-484, Section 326, President Clinton in Executive order 12843, and the U.S Environmental Protection Agency (EPA) in regulations implemented in support of the Clean Air Act (*Section 612*) have further limited the obtaining, distribution, and use of these chemicals. These actions do pose a challenge to maintaining efficient facility operations at New Jersey Army National Guard (NJARNG) facilities.

NJARNG facilities utilize halons and chlorofluorocarbons in fire suppression systems, air conditioning units, and refrigeration equipment. The Montreal Protocol planned for Class I ODCs to be phased out in 2005, and for Class II ODCs to be phased out by 2020. Common Class I ODCs include dichlorodifluoromethane (CFC-12/R-12), and chlorotrifluoromethane (CFC-13/R-13). Common Class II ODCs include monochlorofluoromethane (HCFC-22/R-22). Due to aging units containing ODCs that are currently or will be phased out, planning for their absence needs to be a priority. Failure to take action can impact facility personnel readiness, effectiveness, and quality of life at work.

The elimination of ODCs and ODC-containing blends from NJARNG facilities is critical. Due to Class I ODCs being phased out in 2005, Class I ODCs and blends containing Class I ODCs are the highest priority for elimination. Elimination of Class I ODCs will include the prohibition of the purchase of Class I ODCs, the recovery of all excess quantities of Class I ODCs, the proper management of ODCs, and the use of compliant, acceptable substitute refrigerants. Class II ODCs are scheduled for complete phase out by 2020, thus should be eliminated following the elimination of Class I ODCs, or in conjunction with them. Elimination of Class II ODCs will include the prohibition of the purchase of Class II ODCs, the recovery of all excess quantities of Class II ODCs, the proper management of ODCs, and the use of compliant, acceptable substitute refrigerants.

This survey report documents all appliances at NJARNG facilities which utilize refrigerants. These include appliances that contain Class I and Class II ODCs. Additionally, recommended actions for each facility are listed. We ask NJARNG facility leaders to address our recommendations to replace the identified appliances containing Class I and/or Class II ODCs with more efficient units containing acceptable refrigerants, or to retrofit appliances with suitable substitute refrigerants.

Global Warming Potential Survey

Though no formal treaty exists on chemicals that have a global warming potential (GWP), the International Panel on Climate Change (IPCC) in *WGI AR4 Chapter 2.10* have developed a system that measures the GWP of refrigerants and other compounds. This system is further supported by the United States Environmental Protection Agency (USEPA) through the "Significant New Alternatives Policy" (SNAP), which was formed as a result of Section 612 of the U.S Clean Air Act. Additionally, the IPCC and USEPA have provided acceptable substitutes for chemicals with a high GWP to help decrease human influence on climate change.

New Jersey Army National Guard (NJARNG) facilities utilize halons and chlorofluorocarbons in fire suppression systems, air conditioning units, and refrigeration equipment. These compounds include ozone-depleting compounds (ODCs), which directly damage the Earth's ozone layer. Other refrigerants, including substitutes for ODCs, have GWP levels that are excessively high compared to other available refrigerants. Equipment at NJARNG contain refrigerants or refrigerant blends with GWP that has been classified as "medium" and "high" by this survey. Common refrigerants with medium GWP include 1,1,1,2-Tetrafluoroethane (HFC-134a/R-134a), and the blend R-410a, which is a mix of difluoromethane (HFC-32/R-32) and pentafluoroethane (HFC-125/R-125). Common refrigerants with high GWP include the blend R-404a, which is a mix of R-125, 1,1,1-Trifluoroethane (HFC-143a/R-143a), and R-134a. Additionally, the Class I ODCs dichlorodifluoromethane (CFC-12/R-12), and chlorotrifluoromethane (CFC-13/R-13) have a high GWP level. The Class II ODC, monochlorofluoromethane (HCFC-22/R-22), has a medium GWP level. Due to aging units containing ODCs that are currently or will be phased out, planning for their absence needs to be a priority.

The elimination of refrigerants and refrigerant blends with medium to high GWP is important for the contribution to combatting climate change. Elimination of refrigerant and refrigerant blends with medium to high GWP will include the prohibition of the purchase of such refrigerants and refrigerant blends, the recovery of all excess quantities of such refrigerants and blends, the proper management of such refrigerants and blends, and the use of compliant, acceptable substitute refrigerants or refrigerant blends.

This survey report documents all appliances at NJARNG facilities which utilize refrigerants. Recommended actions for each facility are listed. We ask NJARNG facility leaders to address our recommendations to replace the identified appliances containing refrigerants and/or refrigerant blends with a medium to high GWP level with more efficient units that have refrigerants with a low GWP level, or to retrofit appliances with suitable substitute refrigerants.

Air Emissions Sources and Emissions Survey

As a result of actions taken by the U.S Congress following the passing of *42 U.S.C.7401* (the "Clean Air Act"), and *40 CFR 63*, actions taken by the state of New Jersey following the passing of *NJSA 26:2C* (the "Air Pollution Control Act"), and *NJAC 7:27*, and actions taken by the United States Army in Army Regulation 200-1, Chapter 4-1, emissions and emission sources at New Jersey Army National Guard (NJARNG) facilities are strictly regulated. These actions require facilities to maintain compliant emission sources and annual emissions. Additionally, facilities must maintain compliant permits to operate "major source" units.

The NJARNG maintains operation of several emission sources at their facilities. Emission sources include boilers, heaters, generators, storage tanks, paints/solvents, and other on-site operations, such as welding and woodworking. Individual sources at facilities can be deemed "major sources" as defined in *NJAC 7:27-8*. These sources require general permits (ie. GP-0XX) for their continued operation. Facilities may also be deemed "major sources" as defined by the Clean Air Act. The Clean Air Act monitors each facility's potential and annual emission totals. Emissions of concern are the six criteria air pollutants (ozone, carbon monoxide, nitrogen dioxide, sulfur dioxide, particulate matter, and lead), as defined in the National Ambient Air Quality Standards (NAAQS), hazardous air pollutants (HAPs), which include volatile organic compounds (VOCs), and greenhouse gasses, such has carbon dioxide (CO_2) and methane (CH_4). It is crucial that NJARNG facilities maintain compliant annual emission totals, and ensure all emission sources are functioning properly and have an up-to-date permit, if applicable, to ensure on-site and off-site personnel and the environment are not exposed to potentially harmful compounds.

Maintaining federal and state compliance with annual emissions and emission sources is important for the contribution to combatting climate change. Maintaining compliance with annual emissions and emission sources will include limiting sources that produce criteria air pollutants and excessive amounts of HAPs, operating "major source" units with a valid permit, if applicable, receiving burner adjustments for units with greater than a 1,000,000 British thermal unit (btu) heat capacity, and ensuring emergency generators comply with *NJAC 7:27*.

This survey report documents all units at NJARNG facilities that are considered to be emission sources per the United States Environmental Protection Agency (USEPA) *AP-42* ("Compilation of Air Emissions Factors"). We ask NJARNG facility leaders to address our recommendations to maintain compliance with their individual source units and annual emission totals per the stated laws and regulations.

Acronyms and Abbreviations

AASF	Army Aviation Support Facility
AP-42	Compilation of Air Pollution Air Pollution Emission Factors
AST	Above Ground Storage Tank
Bd-ft	Board feet
Btu	British Thermal Unit
CAA	Clean Air Act
CAAA	Clean Air Act Amendments
CAS	Chemical Abstract Service
CECOM	Communications Electronics Command
Cf	Cubic feet
CO	Carbon Monoxide
CFMO	Construction Facilities Maintenance Office
CLTF	Combined Logistics and Training Facility
CSMS	Combined Support Maintenance Shop
CY	Calendar Year
DLOGS	Defense Logistics Services
DMAVA	Department of Military and Veterans Affairs
EPA	Environmental Protection Agency
FLB	Fluorescent Light Ballast
FMS	Field Maintenance Shop
Ft	Feet
Ft^3	Cubic feet
G	Gram
Gal	Gallons
Gpy	Gallons per Year
GWP	Global Warming Potential
H	Height
HAP	Hazardous Air Pollutant
HP	Horsepower
Hpy	Hours per Year
Hr	Hours
HVLP	High Volume Low Pressure
ICE	Internal Combustion Engine
ICRC	Interactive Community Resource Center
ID	Installation Division
In	Inches
IPCC	Intergovernmental Panel on Climate Change
Kg	Kilogram
KW	KiloWatts

Lb	Pound
LED	Light Emitting Diode
Mgal	Thousand gallon
Min	Minutes
Mm	Millimeter
MMBtu	Thousand British Thermal Units
Mo	Month
MSDS	Material Safety Data Sheet
MVSB	Motor Vehicle Storage Building
NAAQS	National Ambient Air Quality Standards
NEPA	National Environmental Policy Act
NESHAP	National Emission Standards for Hazardous Air Pollutants
NGTC	National Guard Training Center
N/A	Not Applicable
N/D	No Data Available
NJAC	New Jersey Administrative Code
NJARNG	New Jersey Army National Guard
NJDEP	New Jersey Department of Environmental Protection
NJDMAVA	New Jersey Department of Military and Veterans Affairs
NJSA	New Jersey Statutes Annotated
NO_x	Nitrogen Oxides
NO_2	Nitrogen Dioxide
NOV	Notice of Violation
NSN	National Stock Number
OEC	Office of Environmental Compliance
Oz	Ounce
PAH	Polynuclear Aromatic Hydrocarbons
PM	Particulate Matter
PM_{10}	Particulate Matter under 10 Microns
$PM_{2.5}$	Particulate Matter under 2.5 Microns
POC	Point of Contact
POM	Polycyclic Organic Matter
Psi	Pounds per square inch
Psia	Pounds per square inch absolute
Psig	Pounds per square inch gauge
Pt	Pint
PTE	Potential to Emit
QA/QC	Quality Assurance/Quality Control
Ref	Reference
RTSM	Regional Training Site - Maintenance
SARA	Superfund Amendments Reauthorization Act
SCC	Source Classification Code
SCF	Standard Cubic Feet

SIC	Standard Industrial Code
SNAP	Significant New Alternatives Policy
SO_X	Sulfur Oxides
SO_2	Sulfur Dioxide
Tpy	Tons per year
TSCA	Toxic Substances Control Act
TSP	Total Suspended Particulate
JT2DC	Joint Training and Training Development Center
USPFO	United States Property and Fiscal Office
UST	Underground Storage Tanks
UTES	Unit Training Equipment Site
UTMB	Unit Training Maintenance Bay
VOC	Volatile Organic Compound
Wk	Week
Wt	Weight
Yr	Year

1.0 Introduction

1.1 Survey Purpose

A fluorescent light ballast (FLB), ozone depleting chemical (ODC), global warming potential (GWP), air emission inventory, and air permit applicability assessment was conducted at various New Jersey Army National Guard (NJARNG) facilities. The report is divided into four main sections, along with various appendices to support any information provided in the report.

Section 1: Provides an introduction to the report explaining its purpose, regulatory drivers and descriptions of the common NJARNG facility emission sources.

Section 2: Details the compliance status, emissions information, current permitting scenarios and recommended permitting scenarios for each facility. All of the emissions in each section are provided in summary table format and the methodology of the calculation methods is explained in the appendices.

Section 3: Presents the results and recommendations of the evaluations discussed in Section 2.

Section 4: Lists the reference sources used to create this report.

There were three goals to this survey:

1. Statewide, document all FLBs to the room level all suspected polychlorinated biphenyl (PCB) containing (magnetic) ballasts.

Purpose: Provide maintenance staff and contractors who replace failed FLB's and conduct lighting retrofit projects with a room by room survey of suspected PCB containing light ballasts.

2. Statewide, document all refrigerant-containing equipment in order to:

- Locate and record all ODCs (Specifically Class I and II refrigerants).
- Determine the GWP of all ODC containing equipment.

Purpose: All Class I and II refrigerants have been phased out by 2005 or will be by 2020, respectively. The survey identified equipment that needs to be replaced to meet the ODC phaseout goals and may need to be replaced in the future to meet more restrictive climate change laws, regulations, or policies if enacted.

3. Statewide, document all air pollutant emission sources.

Purpose: Determine if each site is in compliance with state and federal regulations and has the required air permits.

The Light Ballast, Ozone Depleting Chemical, Global Warming Potential and Air Emission Inventory and permitting applicability study was performed for the following 35 NJARNG facilities:

- Atlantic City Armory
- Bordentown Warrior Transition Center
- Bridgeton Armory
- Cape May Armory
- Cherry Hill Armory
- Dover Armory
- Flemington Armory
- Fort Dix JFHQ Complex
- Franklin Armory
- Freehold Armory
- Hackettstown Armory
- Hammonton Armory
- Jersey City Armory
- Lakehurst CLTF and AASF
- Lawrenceville Complex
- Lodi Armory
- Morristown Armory
- Mt. Holly Armory
- Newark Armory
- New Egypt Armory
- Picatinny FMS
- Princeton Warehouse
- Riverdale Armory
- Sea Girt NGTC
- Somerset Armory
- Teaneck Armory
- Toms River Armory
- Tuckerton Armory
- Vineland Armory
- Washington Armory
- West Orange Complex
- Westfield Armory
- Woodbridge Armory
- Woodbury Armory
- Woodstown Armory

The procedures completed for this report are as follows:

Light Ballast Survey

Task 1: Conduct a statewide room by room survey to determine the number of ballasts, identify leaking ballasts, identify unlit fluorescent lights, and, using an Philips advanced ballast tester, ascertain if each ballast is magnetic or electronic.

Task 2: Summarize and report on the findings of the survey conducted under Task 1.

Ozone Depleting Chemicals Survey

Task 1: Review Federal and State ODC regulatory requirements.

Task 2: Conduct a statewide survey to locate all required ODC sources such as window unit air conditioners, portable unit air conditioners, ice machines, ground-mount air conditioners, drinking water fountains, etc. Record the floor, room, and equipment name, type, make, model, serial number, refrigerant, and amount of refrigerant for each unit.

Task 3: Describe the Federal and State ODC regulatory requirements for each facility and make recommendations for refrigerant substitutes.

Global Warming Potential Survey

Task 1: Review GWP regulatory requirements.

Task 2: Using the results from Task 2 of the ODC survey, compare the refrigerant in each piece of equipment to the GWP promulgated by the Intergovernmental Panel on Climate Change (IPCC).

Task 3: Make recommendations for possible refrigerant substitutes.

Air Emissions Survey

Task 1: Review Federal and State air quality regulatory requirements.

Task 2: Conduct statewide surveys to identify all stationary equipment that emit air pollution and record their floor, room, and emission source name, type, make, model, serial number, and fuel type.

Task 3: Calculate emissions for each facility using operational data from calendar year 2017 and document the finding in this report. Emissions calculated for each facility include potential and actual emission for all Clean Air Act criteria pollutants, Volatile Organic Compound (VOC) emissions, and Hazardous Air Pollutant (HAP) emissions.

Task 4: Using the calculated emissions from Task 3 and the emission source information collected under Task 2, determine the permitting requirements for each facility. If a facility is improperly permitted or requires a permit to operate an emission source, recommend permitting options so that facility can maintain compliance.

1.2 NJARNG Installation Background

The NJARNG plant is comprised of 35 facilities, including 29 armories, 7 field maintenance shops (FMS), 1 Combined Support Maintenance Shop (CSMS), 1 Army Aviation Support Facility (AASF), 1 former Unit Training Equipment Site (UTES), the Sea Girt National Guard Training Center (NGTC), the Consolidated Logistics Training Facility (CLTF), and the Joint Force Headquarters (JFHQ) complex. Several sites include multiple facility uses such Cape May which has a combined armory and FMS function. The JFHQ complex includes the Joint Training and Training Development Center (JT2DC) and the Regional Training Site – Maintenance (RTSM). The JT2DC offers classroom and indoors training lanes that instructs soldiers in various combat techniques and weapons systems. The indoor training lanes use laser-targeted weapons as opposed to live fire ammunition. The RTSM is a schoolhouse that instructs soldiers in maintenance duties on engines of various US Army tactile vehicles and operates a welding school.

A typical armory is a one or two story structure used for day-to-day administrative duties associated with the NJARNG unit assigned to that facility. It also serves as the unit's rallying point in the event of unit training activities or State or Federal activation orders. An FMS is typically a two or three bay garage used to perform field level maintenance (i.e. tire changes, minor engine repair, fluid changes, etc.) on wheeled vehicles while a CSMS performs higher-level maintenance on wheeled vehicles such as engine replacement and painting. The UTES performs maintenance on tracked vehicles while the AASF maintains rotary wing aircraft. Both the UTES and AASF perform maintenance levels equivalent to the CSMS level. Sea Girt NGTC provides basic training for law enforcement personnel and the NJARNG's Officer Candidate School. An armory, militia museum, warehouse, small arms range, barracks, a mess hall, State Police Academy, FMS, and various tenants are located at Sea Girt NGTC.

1.3 Regulatory Framework

Light Ballasts

The light ballast survey intends to identify suspect PCB containing FLBS at each facility so they are properly managed during routine FLB replacement and larger lighting retrofit projects. In an effort to reduce energy consumption, the NJARNG/NJDMAVA has been refitting traditional fluorescent lights that may contain PCB FLBs with electronic ballasts or LED fixtures. An overview of laws and regulations governing PCB use follows.

Army Regulations

Army Regulation 200-1, Chapter 9-2, Toxic Substances - This regulation requires the Army to manage PCBs in place unless operational, economic, or regulatory considerations justify removal and prevent human exposure to PCB hazards on Army-owned property and maintain compliance with pertinent regulations.

Federal Laws and Regulations

Toxic Substances Control Act, Section 8 (b), Chemical Substance Inventory - This law was enacted in 1976 to ban the further use and importation of certain harmful chemical substances. The act has since been updated to include over 85,000 chemical substances. Under the Toxic Substances Control Act (TSCA) the use of chemical substances such as PCB's is banned in the United States.

Polychlorinated Biphenyls are organic chemicals consisting of carbon, hydrogen and chlorine atoms. PCBs were used in hundreds of industrial and commercial applications such as electrical (including the capacitors and potting material of FLBs), heat transfer, and hydraulic equipment. Any FLBs manufactured between July 1, 1979 and 1 July 1998 without PCBs are required to labeled as "No PCB's." If an FLB is not labeled "No PCBs," it is best to assume it contains PCBs unless it is known to be manufactured after 1979. Any FLBs manufactured after 1998 are not required to be labeled.

Direct exposure to PCB's can cause immune system, reproductive system, nervous system, and endocrine system problems as well as cancer. If an animal contaminated with PCB is ingested by humans, than adverse side effects such as bioaccumulation and carcinogenic effects may occur.

Ozone Depleting Chemicals

Ozone depleting chemicals are chemical that deplete the Earth's ozone layer and are widely used in refrigerators, air conditioners, and fire extinguishers, as solvents for cleaning clothing and electronic equipment, and as agricultural fumigants. They are broken down into two main classes, Class I and Class II. Class I ODCs are chlorofluorocarbons (CFCs) and Class II ODCs are hydrochlorofluorocarbons (HCFCs). Typical Class II ODC include R22 (HCFC-22).

Under the federal Clean Air Act, Class I CFCs ODCs were phased out by 1996. The Class II ODCs phaseout are broken out as follows:

- By 2015, no production or import of any other HCFCs, except as refrigerants in equipment manufactured before January 1, 2020.
- By 2020, no production or import of HCFC-142b and HCFC-22, and
- By 2030, no production or import of any HCFCs

Federal laws and regulations that combat ODC's are presented below.

Army Regulations

Army Regulation 200-1, Chapter 4-1, Air Program - This regulation requires the Army to eliminate its dependency on ODCs.

Federal Laws and Regulations

Montreal Protocol- By establishing the Montreal Protocol in 1987, efforts to combat ozone depletion by phasing out Class I and Class II ODCs began. The Montreal Protocol was signed by 197 countries in an agreement to gradually eliminate the production and consumption of ODCs.

42 U.S.C.7401, Clean Air Act - This law was enacted to protect and enhance the quality of our nation's air resources so as to promote public health and welfare and the productive capacity of the population. In addition, a primary goal of this law is to encourage reasonable Federal, State and local governmental actions for pollution prevention. Title V of the Clean Air Act memorializes the phaseout requirements of the Montreal Protocol.

EPA's SNAP Program

According to Section 612 of the Clean Air Act, the EPA is required to develop a program for evaluating alternatives for ODCs. This program is called "Significant New Alternatives Policy" (SNAP). The SNAP program does not provide a static list of alternatives but instead, evolves the list as the EPA makes decisions that are informed by its overall understanding of the environmental and human health impacts as well as its current knowledge about available substitutes. Section 612 also requires that the EPA must prohibit the use of a substitute where the EPA has determined that there are other available substitutes that pose less overall risk to human health and the environment.

Global Warming Potential

Traditional ODCs and their replacement refrigerants have been found to contribute to global warming. While there is no universally accepted interpretation of a chemical's GWP, the EPA references the Intergovernmental Panel on Climate Change's (IPCC) 2001 report entitled "Greenhouse Gas

Emission Mitigation Scenarios and Implications" as a guideline. Specifically, when developing a chemical's GWP, the IPCC evaluates the chemical's GWP as a measure of how much energy the emissions of 1 ton of it will absorb versus 1 ton of carbon dioxide (CO2) over identical periods of time. The larger the GWP, the more that gas warms the earth compared to CO2. Using the GWP, it is possible to compare the impact of different gases in an attempt to utilize gases that reduce the effects of climate change.

While the Montreal Protocol successfully phased out ODCs and put the ozone layer on the path to a full recovery, it led to a shift towards hydrofluorocarbons (HFCs). Like the ODS they replaced, HFCs are potent greenhouse gases that can be hundreds to thousands of times more potent than CO2 in contributing to climate change. Though they represent a small fraction of the current total of all greenhouse gases, their emissions are projected to increase nearly twentyfold in the coming decades, mostly due to increased demand for refrigeration and air conditioning, particularly in developing countries. If HFC growth continues on the current trajectory, the increase in HFC emissions is projected to offset much of the climate benefit achieved by phasing out ODS (USEPA, 2016).

Air Emissions, Laws, and Regulations

The air program is a large, complex program of various State, Federal and Army laws and regulations that form a framework within which a facility must operate and still maintain compliance with the regulations. An explanation of the framework is presented below and includes how the regulations impact NJARNG air emission sources. These regulations include:

Army Regulations

Army Regulation 200-1, Chapter 4-1, Air Program - This regulation requires the Army to address air quality issues associated with exposure to outdoor air pollutants so that emissions are managed to protect human health and the environment and comply with all Federal, State and local air quality control regulations.

Federal Laws and Regulations

42 U.S.C.7401, Clean Air Act - A description can be located under section 1.1.2 Global Warming Potential.

The Clean Air Act (CAA) is broken into several titles including the National Ambient Air Quality Standards (NAAQS) and Hazardous Air Pollutants (HAPs). The NAAQS and HAPs are presented in Title I while permitting requirements are described in Title V of the CAA. Under this law, the USEPA sets limits on how much pollution can be release into the atmosphere in the United States. In addition, the CAA mandates that the States do much of the work to carry out the CAA. The CAA recognizes that it makes sense for States to take the lead in carrying out the CAA, because pollution control problems often require special understanding of local industries.

NAAQS

The USEPA uses six criteria pollutants as indicators of air quality and has established maximum concentration above which adverse effects on human health may occur. These threshold concentrations are called NAAQS. When an area does not meet the NAAQS, it may be subject to the formal rule making process that designates it as non attainment. The EPA defines a non attainment area as an area that doesn't meet the national standard for air quality. The CAA further classifies ozone, carbon monoxide, and some particulate matter non attainment areas as "marginal," "moderate," "serious," "severe," or "extreme" based on the magnitude of an area's problem. Non-attainment classifications may be used to specify what air pollution reduction measures an area must adopt and when the area must reach attainment. According to the EPA, attainment is when a geographic area meets or is cleaner than the national standard. The technical details underlying these classifications are discussed in the 40 CFR 81 (USEPA, March 2006). The NAAQS include:

- **OZONE:** Ozone (O_3) is a photochemical oxidant and the major component of smog. O_3 is not emitted directly into the air but is formed through complex chemical reactions between precursor emissions of volatile organic compounds (VOCs) and oxides of nitrogen (NO_x) in the presence of sunlight. These reactions are stimulated by sunlight and temperature so that peak O_3 levels occur typically during the warmer times of the year. Both VOCs and NO_x are emitted by transportation and industrial sources. VOCs are emitted from diverse sources such as autos, chemical manufacturing, dry cleaners, paint shops and other sources using solvents. The reactivity of O_3 causes health problems because it damages lung tissue, reduces lung function and sensitizes the lungs to other irritants in people with impaired respiratory systems, such as asthmatics but healthy adults and children as well (USEPA, April 1993). The USEPA has designated the "New York-Northern New Jersey-Long Island, NY-NJ-CT" region as a "moderate – nonattainment" area, and the "Philadelphia-Wilmington-Atlantic City, PA-NJ-MD-DE" region as a "marginal – nonattainment" area for eight hour O_3.

- **CARBON MONOXIDE:** Carbon monoxide (CO) is a colorless, odorless and poisonous gas produced by incomplete burning of carbon in fuels, mostly from transportation sources. When CO enters the bloodstream, it reduces the delivery of oxygen to the body's organs and tissues. Health threats are most serious for those who suffer from cardiovascular disease, particularly those with angina or peripheral vascular disease. Exposure to elevated CO levels can cause impairment of visual perception, manual dexterity, learning ability and performance of complex tanks (USEPA, April 1993). New Jersey is designated as in attainment for CO.

- **NITROGEN DIOXIDE:** Nitrogen dioxide (NO_2) is a brownish, highly reactive gas that is present in all urban atmospheres. NO_2 can irritate the lungs, cause bronchitis and pneumonia, and lower resistance to respiratory infections. Nitrogen oxides are an important precursor both to O_3 and acid rain, and may

affect both terrestrial and aquatic ecosystems. Acid rain causes acidification of lakes and streams and can damage trees, crops, historic buildings and statues. The two major emissions sources are transportation and stationary fuel combustion sources such as electric utility and industrial boilers (USEPA, April 1993). In New Jersey, Warren County is designated as nonattainment for SO_2.

- **SULFUR DIOXIDE:** High concentrations of sulfur dioxide (SO_2) affect breathing and may aggravate existing respiratory and cardiovascular disease. Sensitive populations include asthmatics, individuals with bronchitis or emphysema,
children and the elderly. SO_2 is also a primary contributor to acid rain. In addition, sulfur compounds in the air contribute to visibility impairment in large parts of the country (USEPA, April 1993). In New Jersey, Warren County is designated as nonattainment for SO_2.

- **PARTICULATE MATTER:** Particulate matter includes dust, dirt, soot, smoke and liquid droplets directly emitted into the air by sources such as factories, power plants, cars, construction activity, fires and natural windblown dust. Health effects include aggravation of existing respiratory and cardiovascular disease, alterations in the body's defense systems against foreign materials, damages materials and is a major cause of visibility impairment in the United States (USEPA, April 1993). Most of New Jersey and most of the northeast corridor of the county is designated as nonattainment for particulate matter.

- **LEAD:** Exposure to lead (Pb) can occur through multiple pathways, including inhalation of air and ingestion of Pb in food, water, soil or dust. Excessive Pb exposure can cause seizures, mental retardation and/ or behavioral disorders. Lead gasoline additives, non-ferrous smelters and battery plants are the most significant contributors to atmospheric PB emissions (USEPA, April 1993). New Jersey is designated as in attainment for Pb.

HAPS

Hazardous Air Pollutants (HAPs) are those pollutants that cause or may cause cancer or other serious health effects, such as reproductive effects or birth defects or adverse environmental and ecological effects. The USEPA is required to control 187 HAPs. Examples of HAPs include benzene (gasoline constituent), perchlorethylene (dry cleaning agent) and methylene chloride (solvent and paint stripper). Most HAPs originate from human- made sources, including mobile sources (cars, trucks, buses), stationary sources (factories, refineries, power plants) and indoor sources (building materials and cleaning activities).

CAA Major Sources

Facilities that are regulated under the CAA are considered "major sources." A major source means any stationary source or group of stationary sources located within a contiguous area and under common control that emits or has the potential to emit (PTE) considering controls, in the aggregate:

- 10 tons per year (tpy) or more of any HAP or 25 tpy or more of any combination of HAPS;
- 100 tpy or more of any air pollutant;
- For ozone “moderate” nonattainment areas, sources with the PTE 100 tpy or more VOCs or NO_x;
- For ozone “serious” nonattainment areas, sources with the PTE 50 tpy or more VOCs
- For ozone “severe” nonattainment areas, sources with the PTE 25 tpy or more VOCs or NO_x;
- For ozone “extreme” nonattainment areas, sources with the PTE 10 tpy or more VOCs or NO_x.

40 CFR 70, State Operating Permit Programs - This regulation provides for the establishment of comprehensive State air quality permitting systems consistent with the requirements of Title V of the CAA. This regulation defines the minimum elements required by the CAA for State operating permit programs and the corresponding standard and procedures by which the USEPA will approve, oversee and withdraw approval of State operating permit programs.

40 CFR 63, Subpart ZZZZ, National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines – This subpart establishes national emission limitations and operating limitations for HAPs emitted from stationary reciprocating internal combustion engines located at major and area sources of HAP emissions. Additional, requirements are established to demonstrate initial and continuous compliance with the emission and operating limitations. This includes maintaining valid general permits throughout the continued operation of such units.

NESHAP- Under the CAA, the USEPA is required to regulate HAP emissions for facilities that are listed as a “major sources” of HAPs. The CAA requires EPA to develop standards that will require the application of maximum achievable control technology. These standards are collectively called National Emission Standards for Hazardous Air Pollutants (NESHAPs). If a NJARNG facility is a “major source” of HAPs, it may be regulated under the following NESHAPs:

- **Boilers and Process Heaters**- Federal regulations apply to these units depending in part on the size of the boiler, the type of fuel used and the type of pollutant being controlled. This applies to boilers that burn natural gas, coal, wood, oil, or other fuel to produce steam and heaters that heat raw or intermediate materials during an industrial process.

- **Fuel Dispensing**- This action promulgates national emission standards for hazardous air pollutants for the facilities in the gasoline distribution (Stage I) area source category. We are promulgating these emission standards for hazardous air pollutants pursuant to Clean Air Act section 112(c)(3) and 112(d)(5).

State Laws and Regulations

In New Jersey, the NJDEP is responsible for controlling air pollution and issuing air permits. In addition, both the NJDEP and county health departments are delegated the responsibility for enforcing both State and Federal air pollution regulations.

NJSA 26:2C, Air Pollution Control Act
This law was enacted so that the State could create rules and regulations implementing mandated air pollution measures identified in the CAA and consistent with any rules, regulations, or guidelines that may be promulgated by the USEPA.

NJAC 7:27-3, Control and Prohibition of Smoke from Combustion of Fuel
This subchapter requires that no source regardless of size or fuel emit visible smoke for a period not longer than 3 minutes in any consecutive 30 minute period.

NJAC 7:27-8, Permits and certificates for Minor Facilities and Major Facilities Without an Operating Permit
This applies to certain sources of air contaminant emissions. This regulation was promulgated to require permits for emission sources that would otherwise not require permits under the CAA or NJAC 7:27-22. NJAC 7:27-22 is explained below. This regulation applies to certain air emission sources including source (i.e. boilers) or processes (i.e. painting) operations. A source that is required to have a permit under this chapter is called a “significant source’” while a source that is not required to have a permit under this chapter is called an “insignificant source”. Typical sources located at the NJARNG facilities that are regulated under this subchapter are described below. Under subchapter 8, any equipment or source operations that may emit one or more air contaminants except carbon dioxide (CO_2), directly or indirectly into the outdoor air and belongs to one of the categories listed below, is a significant source and therefore requires a preconstruction permit and an operating certificate.

- Commercial fuel burning equipment that has a maximum rated heat input of 1,000,000 btu/hr or greater to the burning chamber, including emergency generators.

- A surface cleaner which using a cleaning solution containing five percent or more VOCs, HAPs, or VOC and HAP combined and/or has an unheated open top surface cleaner with a top opening of greater than six square feet or a capacity greater than 100 gallons.
- A transfer operation involving gasoline or other VOCs.
- Stationary storage tanks which have a capacity in excess of 10,000 gallons and which are used for the storage of liquids, except water or distillates of air;
- Stationary storage tanks which have a capacity of 2,000 gallons or greater and which are used for the storage of a VOC or mixture of VOCs having a vapor pressure or sum of partial pressures of 0.02 pounds per square inch absolute (1.0 millimeters of mercury) or greater at standard conditions;
- Equipment that is used in a surface coating operation including, but not limited to, spray or dip painting, roller coating, and electrostatic depositing, in which the quantity of coating or cleaning material used in any one hour is equal to or greater than one half gallon of liquid;
- Welding equipment, if the weight of the welding rod or welding wire used in the process is greater than 12 pounds in any calendar day.

Any of the following is not a significant source and, therefore does not need a permit. The sources that would most likely occur on NJARNG facilities include:

- Hand held equipment for buffing, polishing, cutting, drilling, sawing, grinding, turning, or machining wood, metal or plastic. Provided the operation doesn't consume more than 50 pounds per hour of raw materials and is unpainted wood metals other than stainless steel, alloys of lead, arsenic, or beryllium.
- Equipment at a battery charging station, except at a battery manufacturing plant.
- A source used in the activities of maintenance shops, such as welding, gluing, and soldering, performed indoors or outdoors, architectural maintenance activities conducted to take care of the buildings and structures at a facility, including repainting, reroofing, and sandblasting, and/or food preparation to service facility cafeteria and dining rooms. This exemption applies as long as the source supports on or more production processes of the facility, and does not itself constitute a facility production process or part thereof;
- Electric, plasma, or gaseous-fuel cutting equipment used to cut metal or metal products, provided the metal or metal product does not contain stainless steel, alloys of lead, alloys of arsenic, or alloys of beryllium.

A General Permit is a pre-approved permit and certificate which applies to a specific class of significant sources. By issuing a general permit pursuant to N.J.S.A. 26:2C-9.2(h), the Department indicates that it approves the activities authorized by the general permit, provided that the owner or operator of the source registers with the Department and meets the requirements of the general permit. Many NJARNG air emission sources such as boilers, emergency generators, and gasoline dispensing qualify for these general permits.

Types of General Permits and Descriptions are as follows:

GP-018A

- Boiler(s) and/or Heater(s) Each Less Than 10 MMBTU/hr.
- A single boiler and/or heater with a maximum rated heat input to the burning chamber of less than 10 million BTU/hr, or Multiple boilers and/or heaters, each with a maximum rated heat input to the burning chamber of less than 10 million BTU/hr.

GP-017

- Boiler(s) and/or Heater(s) Each Less Than 5 MMBTU/hr.
- A single boiler and/or heater with a maximum rated heat input to the burning chamber of less than 5 million BTU/hr; OR Multiple boilers and/or heaters each with a maximum rated heat input to the burning chamber of less than 5 million BTU/hr.

GP-017A

- Boiler(s) and/or Heater(s) Each Less Than 5 MMBTU/hr.
- A single boiler and/or heater with a maximum rated heat input to the burning chamber of less than 5 million BTU/hr; OR Multiple boilers and/or heaters with a maximum rated heat input to the burning chamber of less than 5 million BTU/hr each.

GP-005A

- Emergency Generator(s) burning Distillate Fuels.
- A single emergency generator burning distillate fuel(s) with a maximum rated heat input to the burning chamber of less than 100 MMBTU/hr. OR Multiple emergency generators burning distillate fuel(s) with a combined maximum rated heat input to the burning chamber of less than 100 MMBTU/hr.

GP-004A

- For Fuel Dispensing Facilities
- The potential-to-emit (PTE) for Storage and Transfer of Fuel Dispensing Facilities covered under this General Permit shall be below than 5.0 tons of VOC per year and 0.062 tons of Benzene per year.

GP-016A (GP-003)

- GP-016A is replacing GP-003. GP-016A allows for operation of:
- Uncontrolled Equipment:
    - Single or multiple pieces of manufacturing and materials handling equipment each with a potential to emit (PTE) less than the reporting threshold for each air contaminant.
- Controlled Equipment:
    - Single or multiple pieces of manufacturing and materials handling equipment each with PTE emissions prior to the control device less than the reporting threshold for each air contaminant.
    - Single or multiple pieces of manufacturing and materials handling equipment each with the controlled particulate emissions (emissions after a baghouse and/or cartridge filter) less than the reporting threshold. All other air contaminants must be less than the reporting threshold prior to a control device.

Pre-Construction Permit and Description

PCP 070001

- "Permit to Construct, Install, or Alter Control Apparatus or Equipment" issued by the Department pursuant to N.J.S.A. 26:2C-1 et seq., in particular N.J.S.A. 26:2C-9.2.

NJAC 7:27-9, Sulfur in Fuels

This regulation describes the maximum amount of sulfur present that can be legally sold in the No. 2 heating oils in the state. The maximum sulfur content varies by each county in the state. In addition, many general permit conditions require the permittee to review shipping orders to ensure that the fuel oil delivered to a particular facility meets the sulfur content.

- The EPA has begun to phase-in more stringent regulations to lower the amount of sulfur in diesel fuel to 15 ppm. This fuel is known as ultra-low sulfur diesel (ULSD).

NJAC 7:27-19, Control and Prohibition of Air Pollution from oxides of Nitrogen

This subchapter establishes requirements and procedures concerning the control and prohibition of air pollution by oxides of nitrogen. The purpose of this subchapter is to require any stationary source or group of sources, which has the potential to emit at least 25 tons of NO_x per year, to implement control technology to control nitrogen oxide emissions. Specifically, NJAC 7:27-19.2(d) states that operators of emergency generators over 37 kilowatt (kW) output from the generator must:

- Maintain records applicable to emergency generators set forth at NJAC 7:27-19.11;
- Not be used in a circumstance other than an emergency
- Not be used for a normal testing and maintenance on days when the NJDEP forecast air quality anywhere in New Jersey to be "unhealthy for sensitive groups," or "very unhealthy" (i.e. ozone action days) as defined in the EPA's Air Quality Index, at http://airnow.gov
- As a source of energy or power after the primary energy or power source has become operable again. If the primary energy or power source is under the control of the owner or operator of the emergency generator, the owner or operator shall make a reasonable, timely effort to repair the primary energy or power source.

On 10 May 2007, a meeting was held between the NJDEP, the NJARNG, and the various DOD entities in New Jersey to discuss this new regulation. The New Jersey DOD community took issue with the regulation particularly the run time logging and ensuring the emergency generators don't run on ozone action days. As most DOD installations have many emergency generators, complying with those two items would be difficult if not impossible. The minutes of that meeting was recorded in a letter dated 24 September 2007 from DOD Regional Environmental Coordinator to the NJDEP. Highlights of the meeting include:

- NJDEP reviewed emergency generator compliance requirements found in NJAC 7:27-19.
- NJDEP clarified that any modification to an emergency generator that results in an increase in emissions would trigger the regulations found in NJAC 7:27-19. Thus, routine maintenance is not considered a modification.
- DOD convinced the NJDEP to declare short-term, transient, mobile military electric generators an "exempt activity" and, as such, is not subject to preconstruction or operating permits. The NJDEP issued a memorandum to that effect on 20 June 07.
- DOD convinced the NJDEP to declare ground support equipment used at airports and military airfields to be an "exempt activity" and, as such, is not subject to preconstruction or operating permits. However, a memorandum to that effect has yet to be issued.
- NJDEP does not require stack testing of mobile military electric generators (25 Apr 07 DEP memorandum).
- NJDEP requested that if a "National Security Emergency" necessitates an increase in usage of emergency generators to support increased military operations, the installation commander notify NJDEP immediately to describe the nature and expected duration of the event.

NJAC 7:27-22, Operating Permits

This applies to any facility that meets the definition of a "major facility". A major facility is a facility which emits or has a PTE CO at 100 tpy, PM^{10} at 100 tpy, TSP at 100 tpy, SO_X at 100 tpy, NO_x at 25 tpy, VOC at 25 tpy, lead at 10 tpy, any other air contaminants, except CO_2 at 100 tpy, or any of HAPs which equals or exceeds 10 tpy or a combination of HAPs at 25 tpy. These facilities, based on their operating scenario, cannot limit their emissions to become "synthetic minor" facilities as explained above. As New Jersey is "nonattainment" for ozone, the CAA requires the State to comply with the lower NO_x and VOC emission limits

Subchapter 22, like Subchapter 8, indicates which sources are considered significant source and which sources are exempt. Significant sources and exemptions under Subchapter 22 are nearly identical to those listed in Subchapter 8 while Subchapter 22 exempts the following activities that may occur on NJARNG facilities:

- Potable water treatment equipment, not including air-stripping equipment;
- The engine of any vehicle, including but not limited to any marine vessel, aircraft, any vehicle running upon rails or tracks, any motor vehicle, any forklift, any tractor, or any mobile construction equipment;
- The use of portable space heaters which reasonably can be carried and relocated by an employee;
- Any laboratory hood used for research and development, quality assurance and quality control testing and sampling activities; and
- Exterior maintenance activities conducted to take care of the grounds of the facility, including lawn maintenance.

NJAC 7:27-19.16, Combustion Adjustment
Boiler(s) and/or heater(s) shall adjust the combustion process annually in the same quarter of each calendar year if the equipment meets the following criteria:

- A gross heat input greater than or equal to five (5) million BTU per hour and less than ten (10) million BTU per hour
- Boiler(s) and/or heater(s) burning the following commercial fuels: natural gas, propane, kerosene, and/or No. 2 fuel oil

The adjustment of the combustion process shall be done in accordance with the procedure set forth at.

State Policy Letters and Memos

Letter dated 28 May 1997 – This letter was sent from the NJDEP, Bureau of Operating Permits, to the NJARNG and States that NJARNG portable emergency generators are exempt when calculating a facility's emissions. Traditionally, NJARNG portable generators are small (10,000 to 200,000 btu/hr heat input capacity) enough that they are exempt from permitting (1,000,000 btu/hr heat input capacity).

Memo dated 25 April 2007 – This memorandum is from the NJDEP Assistant Director of Air Quality Permitting Program to the NJDEP air permit writing staff. It states that transient mobile military generators are considered an "exempt activity" under NJAC 7:19 and are not subject to stack testing.

Memo dated 20 June 2007 – This memorandum is from the NJDEP Assistant Director of Air Quality Permitting Program to the NJDEP air permit writing staff. It states that transient mobile military generators are considered an "exempt activity" in both NJAC 7:27-8 and NJAC 7:27-22 and emissions from these sources should not be included in the facility's operating permit.

2.0 Survey Descriptions and Methodology

2.1 Light Ballast Survey Description and Methodology

During the summer of 2017, 35 National Guard facilities throughout New Jersey were surveyed by Bill McBride, Anjelica McMahon, Devin Walker, Hannah Buckley, Rosalie Hood, Jon Mckinnon and Hunter Davis. The light ballast survey intends to identify suspect PCB containing FLBS at each facility so they are properly managed during routine FLB replacement and larger lighting retrofit projects.

Within every building, floor, and accessible room at each National Guard facility subject to this survey, fluorescent light fixtures were counted and any inoperable and/or leaking FLBs and LED fixtures were noted. Rooms throughout the buildings that were unable to be surveyed were denoted inaccessible. Each operable fluorescent light fixture was

screened with a Philips advanced ballast tester to determine if the fixture contained a magnetic or electronic FLB. An indicator light on the tester glowed red or green if the FLB was magnetic or electronic, respectively. The tester allowed each FLB in every room to be quickly and easily screened without the need for disassembly and examination of its label. Magnetic FLBs are assumed to contain PCBs. No fixtures were disassembled.

2.2 Ozone Depleting Chemicals (ODC's) Survey Description and Methodology

All ODC containing equipment was identified concurrently with the FLB survey. The type, make, model, serial number, refrigerant, and amount of refrigerant for each piece of ODC containing equipment was recorded along with the building, room, and floor where it was found. Any inaccessible areas were noted. The location of all ODC containing equipment was noted on floor plans in the field.

2.3 Global Warming Potential (GWP) Survey Description and Methodology

No survey work was conducted as part of this task. Rather, the GWP of each ODC identified during the ODC survey was reviewed during the generation of this report.

2.4 Air Emissions Survey Description and Methodology

To guarantee New Jersey meets the NAAQS and reaches attainment for areas that are not currently in attainment, the NJDEP has implemented air pollution permitting programs which regulate many of the emission sources not regulated under the CAA. Furthermore, a facility air emission inventory must identify all air emissions sources to determine if the facility requires a permit. The air emission inventory can be broken down into the following steps:

Step 1-Site Visit
All facility emission sources were identified at the same time as the ODC and FLB survey. The survey included both stationary (i.e. boilers and emergency generators) and process sources (i.e. painting operations and welding). In addition to horsepower or heat input ratings, serial numbers of source equipment such as burners were recorded so that for subsequent air emissions inventories, the facility can prove that source equipment hasn't changed. When an emission source changes due to an equipment change, under both the CAA and the NJAC 7:27, the permit must be revised or the old permit canceled and a new permit obtained.

Finally, the source's USEPA Standard Classification Code (SCC) is recorded. The SCC is a numerical representation of the emission source. Similar emission sources are given the same SCC so that the appropriate emission factor can be used to calculate the emissions (as shown below in step 4). Table A-1 in Appendix A presents a listing of all the SCC's identified during the emission inventory at the 35 surveyed National Guard facilities.

Emissions from tactical vehicles (i.e. military aircraft, generators, HUMVEEs, etc.) were not evaluated because an emission inventory reviews predominantly stationary sources. In addition, emissions from tactical sources were addressed during the programmatic National Environmental Policy Act (NEPA) review prior to the issuance of the particular equipment to their respectable National Guard Facilities. Lastly, tactical vehicles are exempt from the CAA and the various NJDEP policy memos and letters mentioned above.

Step 2- PTE
The operating scenario of each source including hours of operation and fuel consumption is determined. This includes both the actual operating scenario and the maximum operating limits. For example, a boiler will likely only be in operation during the winter months but has the potential to run for the entire year.

Step 3- Source Identification
Using the information gathered in steps 1 and 2, sources are identified based on regulatory requirements that should be included in the facility's emission calculations. For example, in Cape May, a 1,834,000.00 btu/hr boiler is included in the facility's emissions calculations because it is a large boiler with a large enough emission capacity to require a permit. However, the Cape May facility contained a 60 gallon parts washer which utilized a "green" detergent rather than a volatile organic chemical based HAP solvent. Therefore, the parts washer would not be included in the facility's emission calculations. The boiler is a fuel burning source with a capacity of 1,834,000.00 btu/hr (NJAC 7:27-8.2(c) 1) while the 60 gallon parts washer does not use an organic and/or HAP solvent (NJAC 7:27-8.2(c) 4). Therefore, the parts washer would not be included in the facility's emission calculations. Site Specific Table 11 (i.e. AY11) presented whether or not a particular emission source was used to calculate emissions for a particular facility. A discussion of why particular sources were used (or not used) to determine the facility's emissions are present in facility specific discussion below.

Step 4- Emissions Calculations
Both the PTE and the actual emissions are calculated for those sources identified in Step 3 above using the information gathered in steps 1 and 2. The individual source's PTE and actual emissions are summarized for each facility. Site Specific Table 12 (i.e. AY12) present the PTE and actual emissions for each facility while a discussion of the calculations are presented in Section 2, below. Example calculations and the calculation spreadsheets are presented in Appendix B. Tables 2, 3 and 4 in Appendix C present the particular primary pollutant and HAP emission factors for each SCC.

Ideally, source test results would be the best choice for estimating emissions. However, source tests were not available for any sources. For this survey, emissions were calculated using emission factors or material mass balance methods. Emission factors were obtained from USEPAs, AP-42, Compilation of Air Pollutant Emission Factors, Ap-42 Fifth Edition Volume I: Stationary Point and Area Sources, 1995 with updates of

particular sections as late as 2011 (https://www.epa.gov/air-emissions-factors-and-quantification/ap-42-compilation-air-emi ssions-factors).

An emission factor is a representative value that attempts to relate the quantity of a pollutant released to the atmosphere with an activity associated with the release of that pollutant. For example, according to AP-42, an oil fired 2,000,000 btu/hr boiler has a NO_x emission factor of 0.24 pounds per gallon of fuel consumed. These factors are usually expressed as the weight of pollutant divided by a unit weight, volume, distance or duration of the activity emitting the pollutant. Such factors facilitate estimation of emissions from various sources of air pollution. In most cases, these factors are simply averages of all available data of acceptable quality and are generally assumed to be representative of long- term averages for all facilities in the source. The general equation for emissions estimation is:

$$E = A \times EF \times (1-ER/100)$$

Where

E= emissions;

A= activity rate;

EF= emission factor;

ER= overall emission reduction efficiency from a pollution control device, %

Consumption data was obtained for calendar year 2016 from NJDMAVA Fiscal Division, NJARNG maintenance shops and Department of Treasury record.

HAP emissions are determined from species profiles that are provided for many types of sources in USEPA documents such as AP-42, the Air Emissions Species Manual- Volatile Organic compounds and the Air Emissions Species Manual- Particulate Matter.

HAP and VOC emissions from surface coating and solvent parts degreasing operations are calculated from information provided on Material Safety Data Sheets (MSDS) using the material (or mass) balance method. A material balance is an application of conservation of mass (i.e. matter cannot disappear or be created spontaneously) to the analysis of physical systems. The mass that enters a system must, by conservation of mass, either leave the system or accumulate within the system. By accounting for material entering and leaving a system, mass flows can be identified which might have been unknown or difficult to measure without this technique. Mathematically the mass balance for a system without a chemical reaction is as follows:

Input= Output + Accumulation (The Pillars Curriculum, 2018)

Potential emissions are calculated in the same manner as the actual emissions, however, potential emissions are based upon the total potential time that a piece of equipment or an operation can operate. For all pieces of equipment, 8,760 hours was used as the potential time that the equipment or activity could operate, unless

otherwise indicated. This produces a conservative estimate of a sources' PTE as the CAA and NJDEP regulations acknowledges operations limits can be implemented to limit a sources PTE.

Lastly, in accordance with (IAW) the NJAC 7:27-8.1 definition of "facility", the emissions from each building at a particular facility is totalized to determine a facility wide emission rate.

Step 5- Facility Regulations
Based on the PTE and actual emissions, a determination is made to see if the facility is regulated under any of the above listed regulations. Permitting recommendations for each facility is discussed in Sections 2 and 3 and summarized in the Executive Summary, above. The facility would require a permit if it met any of the below listed scenario:
Major Facility - The facility is considered a "major facility" if its PTE exceeds the thresholds described in section 1.2.4 for any criteria pollutant or HAP and would require a facility wide permit under NJAC 7:27-22.
Synthetic Minor - The facility may choose to limit its emission output based on its actual emission and apply for a permit under NJAC 7:27-8. This facility would be considered a "synthetic minor" facility.
General Permit - Even if the facility's PTE doesn't exceed any HAP or criteria pollutant threshold, the facility may still be regulated if any of its emissions sources are identified in NJAC 7:27-8 as a "significant source." Significant sources are described in section 1.1.4. Under this scenario, the facility would apply for a "general permit" for an individual emission source (i.e. 2,000,000 btu/hr boiler).

In addition, regardless of which permitting scenario is selected, a set of emission limits known as the permitted emission limits are assigned to the facility. The facility's actual emission limits cannot exceed these permitted limits or the facility will be in violation of the permit. When determining which permitting scenario to choose, an adequate permitted emission limit must be chosen so that it can still support the facilities mission. Determining the permitted emission limit is a critical aspect of an applicability study. For example, a boiler must have a permitted emission limit that can allow it to operate for longer run times than normal to heat the building if a heating season is particularly cold.

2.5 Final Report Writing

The various figures and tables were used to write the narrative presented in this report which was written to document the findings and recommendations of the FLB, ODC, GWP, and air emissions surveys.

To reduce transcription errors, equipment information was recorded in Microsoft Excel spreadsheets using several Trimble field data collectors running Windows Mobile. These spreadsheets were edited into formal tables that are presented throughout this report. The tables were also used to calculate air emissions and assist in writing this

report.

The locations of the ODC containing equipment, FLB, and air emission sources were noted on floor plans in the field, and can be found in Appendix C of this report. These notes were later converted to geographic information system data via heads up digitizing over georeferenced floor plans in ESRI's ARCMap v10.5 desktop software, and can be found in the Figures section of this report

During the development of this report, a Quality Assurance/ Quality Control (QA/QC) plan was instituted to ensure accurate emission values as well as regulatory compliance issues as they pertain to the NJARNG/NJDMAVA facilities. As a calculation QA/QC procedure, at least 10 percent of the emission calculations for each source category at each facility were recalculated manually by NJARNG, CFMO-EMB and members of the Stockton University Environmental Internship Program staff. If agreement was less than 98%, all of the calculations for the source category were redone.

2.6 Typical Emission Sources Overview

Emission sources typically include boilers, emergency generators, both above and below ground storage tanks, lawn and garden equipment, painting operations, woodworking, metal cutting, nonroad diesel and gasoline, tactical vehicles, and propane industrial equipment. An overview of the typical emission sources found at NJARNG facilities is presented below:

Natural Gas-Fired Reciprocating Engines

The primary criteria pollutants from natural gas-fired reciprocating engines include NO_x, CO, and VOCs. Trace amounts of metals, non-combustible inorganic material, and semi-volatile organics are emitted as particulate matter as a result from volatilized lubricating oil, engine wear, or products of incomplete combustion. Levels of sulfur oxides are very low since sulfur compounds are removed from natural gas at processing plants. However, trace amounts of sulfur containing odorant are added to natural gas at city gates prior to distribution for the purpose of leak detection (USEPA, 1995). At NJARNG facilities, these engines are typically found in emergency generators.

Gasoline and Diesel Industrial Engines

The engine category addresses a wide variety of industrial applications of both gasoline and diesel internal combustion engines (ICE), such as aerial lifts, forklifts, generators, pumps, industrial sweepers/scrubbers, and material handling equipment at NJARNG facilities. The three primary fuels for reciprocating ICE are gasoline, diesel fuel (NO.2), and natural gas. Gasoline is primarily used for mobile and portable

engines. Diesel fuel oil is the most versatile fuel and is used in ICE of all sizes. The rated power of these engines covers a rather substantial range, up to 250 hp for gasoline engines and up to 600 hp for diesel engines. Most of the pollutants from ICE are emitted through the exhaust. However, the same total organic compounds (TOC) escape from the crankcase as a result of blow by (gases that are vented from the oil pan after they have escaped from the cylinder past the piston rings) and from the fuel tank and carburetor because of evaporation. Nearly all of the TOCs from diesel ICE enter the atmosphere from the exhaust. Evaporative losses are insignificant in diesel engines due to the low volatility of diesel fuels. The primary pollutants from internal combustion engines are NO_x, TOC, CO, and Particulates (USEPA, 1995).

Large Stationary Diesel and All Stationary Dual-fuel Engines

The primary domestic use of large stationary diesel engines (greater than 600 hp) is emergency generators. The primary pollutants from ICEs are NO_x, hydrocarbons, organic compounds, CO, and particulates. Nitrogen oxide formation is directly related to high pressures and temperatures during the combustion process and to the nitrogen content, if any, of the fuel. The other pollutants such as hydrocarbons, CO, and smoke are primarily the result of incomplete combustion. Ash and metallic additives in fuel also contribute to the particulate content of the exhaust. Most of the pollutants from ICE are emitted through the exhaust. However, some TOCs escape from the crankcase as a result of blowby (gases that are vented from the oil pan after they have escaped from the cylinder past the piston rings) and from the fuel tank and carburetor because of evaporation. Evaporative losses are insignificant in diesel engines due to the low volatility of diesel fuels. Sulfur oxides also appear in the exhaust from ICE. The sulfur compounds, mainly SO_2, are directly related to the sulfur content of the fuel (USEPA, 1995).

Electric Air Welding

Welding is the process by which 2 metal parts are joined by melting the parts at points of contact and simultaneously forming a connection with molten metal from these same parts, or from a consumable electrode. In welding, the most frequently used methods for generating heat employ either an electric arc or a gas-oxygen flame. There are more than 80 different types of welding operations in commercial use. These operations include not only the arc and oxyfuel welding, but also brazing, soldering, thermal cutting, and gouging operations. Of the various processes, electric arc welding is by far the most common. It is also the process that has the greatest emission potential. A typical welding process includes Shielded Metal Arc Welding, Gas Metal Arc Welding, Flux Cored Arc Welding, and Submerged Arc Welding.

Particulate matter and particulate-phase HAPs are the major concerns in the welding processes. Only electric arc welding generates these pollutants in substantial quantities. The lower operating temperatures of the other welding processes cause fewer fumes to be released. Most of the particulate matter produced by welding is submicron in size and, as such, is considered to all be PM^{10}. The elemental composition of the fume varies with the electrode type and with the workpiece

composition. HAP metals that have been recorded in welding fume include manganese (Mg), nickel (Ni), chromium (Cr), cobalt (Co), and lead (Pb). Gas phase pollutants are also generated during welding operations. Known gaseous pollutants include CO_2, CO, NO_x, and ozone (USEPA, 1995).

General Industrial Surface Coating

Surface coating operations involve the application of paint, varnish, lacquer, or paint primer for decorative or protective purposes. This is accomplished by brushing, rolling, spraying, flow coating, and dipping operations. Surface coating operations at NJARNG facilities mostly include plastic and metal products coating using conventional spray techniques with high volume low pressure (HVLP) spray equipment. More importantly, the NJARNG painters have switched to water based paints that significantly reduce VOC emissions. Emissions of VOC occur in surface coating operations because of evaporation of the paint vehicle, thinner, or solvent used to facilitate the application of coatings. The major factor affecting these emissions is the amount of volatile matter contained in the coating (USEPA), 1995).

External Combustion Sources

External combustion sources at NJARNG facilities are boilers. The emissions from natural gas-fired boilers and furnaces include NO_x, CO, CO2, methane, nitrous oxide, VOCs, trace amounts of sulfur dioxide, and PM. Emissions from the fuel oil combustion depend on the grade and composition of the fuel, the type and size of the boiler, the firing and loading practices used, and the level of equipment maintenance. Because the combustion characteristics of distillate and residual oils are different, their combustion can produce significantly different emissions. Small amounts of organic compounds are emitted from combustion. As with CO emissions, the rate at which organic compounds are emitted depends, to some extent, on the combustion efficiency of the boiler. Total organic compounds include VOCs, semi-volatile organic compounds, and condensable organic compounds. The remaining organic emissions are composed largely of compounds emitted from combustion sources in a condensed phase. These compounds can almost exclusively be classed into a group known as polycyclic organic matter, and a subset of compounds called polynuclear aromatic hydrocarbons. Lastly, formaldehyde is formed and emitted during combustion during combustion of hydrocarbon-based fuels including coal and oil (USEPA, 1995).

Storage of Petroleum Liquids

At NJARNG facilities, this emission source is from the storage of petroleum products such as gasoline, diesel, and No. 2 heating oil. VOC emissions from fixed roof tanks are a result of evaporative losses during storage (known as working losses). These vapors are a composite of (1) vapors formed in the empty tank by evaporation of residual product from previous loads, (2) vapors transferred to the tank in vapor balance systems as product is being unloaded, and (3) vapors generated in the tank as the new product is being loaded (USEPA, 1995). For this emission inventory, VOC losses were calculated using the USEPAs TANKS software v4.09d. Where applicable, both PTE and actual emissions were calculated for various storage tanks.

Woodworking Operations

Woodworking, as defined in this section, includes any operation that involves the generation of small wood waste particles (shavings, sander dust, sawdust, etc.) by any kind of manipulation of wood, bark, or wood byproducts. Common woodworking operations include sawing, planning, chipping, shaping, molding, hogging, lathing, and sanding. The only pollutant of concern in woodworking waste collection operation is particulate matter.

The woodworking shops at the NJARNG facilities include both handheld woodworking equipment (circular saws, sanders, hand drills), any other stationary tools (table saws, drill presses, and surface planers and jointers), and mill, both pressure treated and non-treated lumber (predominately pine, oak, and maple). Dust collection systems can be used to collect and filter the particulate matter released from the woodworking processes.

3.0 Survey Results

Atlantic City Armory

The Atlantic City Armory is located at 1008 Absecon Blvd, Atlantic City, New Jersey. The facility consists of two buildings; the armory and an FMS. A site visit was made on 22 May 2017 by Rosalie Hood, Jonathan McKinnon, and Devin Walker. The survey included the armory, FMS, and all outdoor spaces at the property. Three rooms of the armory and one room of the FMS were inaccessible the day of the survey.

Fluorescent Light Ballast Survey

A total of 288 fluorescent light fixtures within the armory and two fluorescent light fixtures within the FMS were surveyed. The survey found two inoperable ballasts, 22 magnetic ballasts, 63 electronic ballasts, and 201 LED ballasts within the armory. There were two magnetic ballasts found in the FMS; however, ballasts may be present in the rooms that were inaccessible at the time of the survey. No leaking ballasts were identified within either building. Table AY1 contains a room by room summary of fluorescent light ballast data collected. Figures AY1, AY2, AY3, AY4, and AY5 present the location of the fluorescent light ballasts at the facility.

Ozone Depleting Chemicals Survey

The survey found 47 pieces of equipment that contain some type of refrigerant. Of the 47 pieces of equipment, no Class I ODCs were identified while 18 units contained Class II ODCs. The remainder of the refrigerants are not considered ODCs by the USEPA. The refrigerants for two pieces of equipment, one freezer and one window unit air conditioner unit, could not be identified. Four units contained R410A, six had 134A, 17 had R22, one had R404A, and 16 had R410A refrigerants. Many of the ODCs were in small appliance such as window unit air conditioners, portable unit air conditioners, and refrigerators, while some were contained in ground-mount air conditioners, drinking water fountains, and a commercial ice machine and freezer. The type, make, model, serial number, location and amount of refrigerant for these pieces of equipment can be found on Table AY3. Figures AY1, AY2, AY3, AY4, and AY5 present the location of this equipment at the facility.

Global Warming Potential Survey

In total, 27 non-ODC-containing units were identified, all of which are considered to have high or medium GWP. These units included refrigerators, window AC units, condensers, and water fountains. Including the ODC-containing units, there are a total of 45 units with high or medium GWP at this facility. Table AY1 presents a list of all refrigerant containing equipment along with GWP. Figures AY1, AY2, AY3, AY4, and AY5 present the location of this equipment at the facility.

Air Emissions Survey

All equipment and/or operations that are considered to be air pollution sources under EPA's AP-42 Compilation of Air Emissions Factors were documented. In total, 4 emission sources in the armory and 3 emission sources in the FMS were identified. The permitted sources include one 5.6MMBTU/hr natural gas boiler in the armory. Table AY11 contains information regarding all emissions sources identified during this survey. Figures AY1, AY2, AY3, AY4, and AY5 show the location of these sources. The total PTE calculated from all combined emission sources is 3.4 TPY, while the actual emissions total was 0.03 TPY. The CO_2 PTE was 4.65E+02 TPY, while the actual CO_2 emissions totaled 1.39E. Emissions totals can be found in Table AY12.

Bordentown Warrior Transition Center

The Bordentown Warrior Transition Center is located at 1048 US - 206, Bordentown, New Jersey. A site visit was conducted on July 11, 2017 by Anjelica McMahon, Rosalie Hood, and Jon McKinnon. This survey included the armory, OMS, and all outdoor spaces at the property. Five rooms of the armory and 2 rooms of the OMS were inaccessible the day of the survey.

Fluorescent Light Ballast Survey

A total of 160 fluorescent light fixtures within the armory and 60 fluorescent light fixtures within the OMS were surveyed. The survey found three inoperable ballasts, zero magnetic ballasts and 154 electronic ballasts within the armory. In the OMS there were zero magnetic ballasts and zero inoperable ballasts. All 60 light fixtures surveyed were identified as electronic. Zero leaking ballasts were recorded within either building. Table BT1 contains a room by room summary of fluorescent light ballast data collected. Figures BT1 and BT2 present the location of the fluorescent light ballasts at the facility.

Ozone Depleting Chemicals Survey

The survey found 13 pieces of equipment that contain some type of refrigerant. Of the 13 pieces of equipment, two contained refrigerants that were not identified. Of the 11 identified refrigerants, none were Class I or Class II ODCs. Seven units contained R410A, two contained R404A, and two contained R134A, none of which are considered ODC's according to the USEPA. The type, make, model, serial number, location and amount of refrigerant for these pieces of equipment can be found on Table BT3. Figures BT1 and BT2 present the location of ODC containing equipment at the facility.

Global Warming Potential Survey

Of the 11 pieces of equipment with identified refrigerants, 9 contain refrigerants with medium GWP, and 2 contain refrigerants with high GWP. Table BT3 contains the

GWP levels for all refrigerant containing equipment at this facility.

Air Emissions Survey

All equipment and/or operations that are considered to be air pollution sources under EPA's AP-42 Compilation of Air Emissions Factors were documented. In total 3 emission sources in the armory and 3 emission sources in the OMS were identified. The permitted sources include the 1MMBTU/hr natural gas boiler in the armory. Table BT11 summarizes the emission sources identified during this survey. Figures BT1 and BT2 show the location of these sources. The total HAP PTE calculated from all combined emission sources is 0.33 TPY, while the actual HAP emissions total was 0.02 TPY. The CO_2 PTE was 7.19E+02 TPY, while the actual CO_2 emissions totaled 3.82E+01. Results and emission totals can be found in Table AY12.

Bridgeton Armory

The Bridgeton Armory facility located at 1240 Highway 77 in Bridgeton, New Jersey. The facility consists of two buildings; the Armory and a FMS. A survey was conducted on June 21, 2017 by Bill McBride, Anjelica McMahon, Devin Walker, Hanna Buckley, Rosalie Hood, Jon McKinnon, and Hunter Davis. This survey included the Armory, FMS, and all outdoor spaces at the property. There were no inaccessible rooms at the time of this survey.

Fluorescent Light Ballast Survey

56 fluorescent light fixtures within the armory and 12 fluorescent light fixtures within the installation storage were surveyed. The survey found five inoperable ballasts, 35 magnetic ballasts and 16 electronic ballasts within the armory. There were eight magnetic ballasts found in the installation storage, one inoperable ballasts, and three electronic ballasts. No leaking ballasts were identified within either building. Table BN1 contains a room by room summary of fluorescent light ballast data collected. Figures BN1, BN2, and BN3 present the location of the fluorescent light ballasts at the facility.

Ozone Depleting Chemicals Survey

The survey found 6 pieces of equipment that contain some type of refrigerant. Of the 6 pieces of equipment, 4 contained R22, a Class II ODC. This equipment includes: wall mount unit air conditioners and ground-mount air conditioners. The refrigerants for two pieces of equipment could not be identified. The type, make, model, serial number, location and amount of refrigerant for these pieces of equipment can be found in Table BN3. Figures BN1, BN2, and BN3 present the location of ODC containing equipment at the facility.

Global Warming Potential Survey

All 4 pieces of equipment with known refrigerants contained refrigerants that are considered to have medium GWP. Figures BN1, BN2, and BN3 present the location of GWP containing equipment at the facility. R22 (1,810) is classified as a medium GWP level. Class II ODCs are scheduled for complete phase out by 2020. A best management practice recommended by the EPA includes replacing R22 with R290 (Propane) or RS-44b to increase efficiency and reduce GWP. R290 (Propane) and RS-44b are listed as acceptable replacements in accordance with SNAP's Section 612c of the Clean Air Act. The type, make, model, location, and serial number of each piece of equipment as well as the type and amount of refrigerants each contains may be found on Table BN3.

Air Emissions Survey

On June 21, 2017 an Air Emission Source Survey was conducted at the Bridgeton facility. This includes the Armory, Installation Storage, and all outdoor spaces on the property. All equipment and/or operations that are considered to be air pollution sources under EPA's AP-42 Compilation of Air Emissions Factors were documented. In total, 4 emission sources were identified in the FMS. Table BN11 contains information regarding all emission sources identified during this survey. Figures BN1, BN2, and BN3 show the location of these sources. The total HAP PTE calculated from all combined emission sources is 0.067 TPY. Results and emission totals can be found on Table BN12.

Cape May Armory

The Cape May facility is located at 600 Garden State Parkway, Cape May Court House, New Jersey. The facility consists of three buildings; The Armory, FMS, MVSB, and DTMB. A site visit was conducted on June 22, 2017 by Devin Walker, Rosalie Hood, and Jon McKinnon. This survey included the armory, FMS, MVSB, DTMB, and all outdoor spaces at the property. Three rooms in the armory were inaccessible the day of the survey.

Fluorescent Light Ballast Survey

A total of 167 fluorescent light fixtures within the armory and 67 fluorescent light fixtures within the FMS were surveyed. The MVSB and DTMB were not surveyed as part of the Fluorescent Light Ballast Survey. The survey found five inoperable ballasts, 62 magnetic ballasts and 100 electronic ballasts within the armory. Additional ballasts may be located in the three inaccessible rooms. There were 63 electronic ballasts and zero magnetic ballasts found in the FMS. No leaking ballasts were identified within any of the buildings. Table CY1 contains a room by room summary of fluorescent light ballast data collected. Figures CY1, CY2, CY3, and CY4 present the data from this survey at this facility.

Ozone Depleting Chemicals Survey

The survey found 21 pieces of equipment that contain some type of refrigerant. Of the 21 pieces of equipment, 1 drinking fountain contained R12, a Class I ODC. Ten pieces of equipment contain Class II ODCs, specifically R22. Many of the Class II ODC's were in small appliances such as window unit air conditioners and portable unit air conditioners, while others were in larger units such as ground-mount air conditioners and recovery units. The type, make, model, serial number location and amount of refrigerant for these pieces of equipment can be found on Table CY3. Figures CY1, CY2, CY3, and CY4 present the location of ODC containing equipment at the facility.

Global Warming Potential Survey

The refrigerants contained in all 21 identified units are considered to have medium to high GWP levels. In total, 18 units contain refrigerants with medium GWP, and 3 units contain refrigerants with high GWP. Table CY1 presents a list of all refrigerant-containing equipment along with the GWP. Figures CY1, CY2, CY3, and CY4 present the location of GWP containing equipment at the facility.

Air Emissions Survey

All equipment and/or operations that are considered to be air pollution sources under EPA's AP-42 Compilation of Air Emissions Factors were documented. In total, 4 emission sources in the armory, 1 emission source in the MVSB, 5 emission sources In the FMS, and 2 emission sources in the DTMB were identified. The permitted sources include two 1.8MMBTU/hr natural gas boilers in the armory. Table CY11 contains information regarding all emissions sources identified during this survey. Figures CY1, CY2, CY3, and CY4 show the location of these sources. The total HAP PTE calculated from all combined emission sources is 1.00 TPY, while the actual HAP emissions total was 0.23 TPY. The CO_2 PTE was 7.73E+01 TPY, while the actual CO_2 emissions totaled 3.39E+00 TPY. Results and emission totals can be found in Table CY12.

Cherry Hill Armory

The Cherry Hill armory is located at 2001 Park Blvd, Cherry Hill, New Jersey. The facility consists of two buildings; the Armory and a FMS. A site visit was conducted on June 29, 2017 by Devin Walker, Rosalie Hood, and Jon McKinnon. This survey includes the armory, FMS, and all outdoor spaces at the property. Three rooms within the armory were inaccessible the day of the survey.

Fluorescent Light Ballast Survey

A total of 309 fluorescent light fixtures within the armory and 32 fluorescent light fixtures within the FMS were surveyed. The survey found 75 inoperable ballasts, 40 magnetic ballasts and 173 electronic ballasts within the armory. There were ten inoperable

ballasts, 19 magnetic ballasts and three electronic ballasts within the FMS. Zero leaking ballasts were recorded within either building, however additional ballasts may be present in the three rooms that were inaccessible at the time of the survey. Table CL1 contains a room by room summary of fluorescent light ballast data collected. Figures CL1, CL2, and CL3 present the location of the fluorescent light ballasts at the facility.

Ozone Depleting Chemicals Survey

The survey found 25 pieces of equipment that contain some type of refrigerant. Of the 25 pieces of equipment, 1 dehumidifier within the armory contained R12, a Class I ODC. An additional 10 units within the armory contained R22, a Class II ODC's. These units included 8 small air conditioners and 2 dehumidifiers. The refrigerant used in three pieces of equipment could not be identified.

Global Warming Potential Survey

Of the 23 units with known refrigerants, 5 contain refrigerants that are considered to have high GWP. The remaining 17 units contain refrigerants with medium GWP. Table CL1 presents a list of all ODC containing equipment along with the ODC's GWP. Figures CL1, CL2, and CL3 present the location of GWP containing equipment at the facility.

Air Emissions Survey

All equipment and/or operations that are considered to be air pollution sources under EPA's AP-42 Compilation of Air Emissions Factors were documented. In total, 3 emission sources in the armory and 2 emission sources in the FMS were identified. The permitted sources include two 2.9MMBTU/hr natural gas boilers in the armory. An emissions source summary table is shown on Table CL11. Figures CL1, CL2, and CL3 show the location of these sources. The total HAP PTE calculated from all combined emission sources is 1.55 TPY, while the actual HAP emissions total was 0.14 TPY. The CO_2 PTE was 3.02E+03 TPY, while the actual CO_2 emissions totaled 2.57E+02 TPY. Emission totals can be found in Table CL12.

Dover Armory

The Dover facility is located at 479 West Clinton St., Dover, New Jersey. The facility consists of two buildings; the Armory and an OMS. A site visit was conducted on June 22, 2017 by Bill McBride, Hannah Buckley, and Hunter Davis. This survey includes the armory, OMS, and all outdoor spaces at the property. Eight rooms in the armory were inaccessible the day of the surveys.

Fluorescent Light Ballast Survey

A total of 138 fluorescent light fixtures within the armory and 26 fluorescent light fixtures within the OMS were surveyed. The survey found 35 inoperable light ballasts, 46 magnetic light ballasts, 15 electronic light ballasts, 34 LED light ballasts, and five unreachable light ballasts within the armory building. In the OMS there was no inoperable light ballast, 12 magnetic light ballasts, and 13 electronic ballasts. There

were no leaking light ballasts found in either building, however additional ballasts may be present in the eight rooms that were inaccessible at the time of the survey. Table DR1 contains a room by room summary of the fluorescent light ballast data. Figures DR1, DR2, and DR3 present the location of the fluorescent light ballasts at the facility.

Ozone Depleting Chemical Survey

The survey found 24 pieces of equipment that contain some type of refrigerant. The refrigerants in three window air conditioning units in the armory could not be identified. Of the 24 pieces of equipment with identified refrigerants, 1 unit in the armory contained R12, a Class I ODC. Additionally 6 units in the armory and 3 units in the OMS contain R22, a Class II ODC. The remaining 14 units contained non-ODC refrigerants. R134A was identified in 10 units. R404A was identified in 1 unit. R410A was identified in 3 units. The Class I ODC was in a refrigerator unit. All Class II ODC's were in small window air conditioning units. The type, make, model, serial number, location, and amount of refrigerant for each ODC containing piece of equipment can be found on Table DR3. Figures DR1, DR2, and DR3 present the location of the ODC containing equipment at this facility.

Global Warming Potential Survey

Of the 24 units with known refrigerants, 2 are considered to have high GWP, and 22 are considered to have medium GWP. The type, make, model, location, and serial number of each piece of equipment as well as the type and amount of refrigerants each contains may be found on Table DR3. Figures DR1, DR2, and DR3 present the location of the GWP containing equipment at the facility.

Air Emissions Survey

All equipment and/or operations that are considered to be air pollution sources under EPA's AP-42 Compilation of Air Emissions Factors were documented. In total, 3 emission sources in the armory and 7 emission sources in the FMS were identified, including two boilers, three forced air furnaces, an oil tank, paints/solvents, and a parts washer. The permitted sources include two 1.3MMBTU/hr natural gas boilers in the armory. Table DR11 presents a summary of all emission sources identified during this survey. Figures DR1, DR2, and DR3 show the location of these sources. The total HAP PTE calculated from all combined emission sources was 0.72 TPY, while the actual HAP emissions total was 0.02 TPY. The CO_2 PTE was 1.38E+03 TPY, while the actual CO_2 emissions totaled 4.70E+01 Emission totals can be found on Table DR12.

Flemington Armory

The Flemington armory is located at 422 NJ-12 Flemington, New Jersey. The facility consists of two buildings; the armory and a MVSB. A site visit was conducted on June

29, 2017 by Anjelica McMahon, Hannah Buckley, and Hunter Davis. This survey includes the armory, MVSB, and all outdoor spaces at the property. A total of two rooms in the armory were inaccessible the day of the survey.

Fluorescent Light Ballast Survey

A total of 88 light ballasts in the armory and 23 light ballasts in the MVSB were surveyed. The survey found zero inoperable light ballasts, zero magnetic light ballasts, 74 electronic light ballasts, 12 LED light ballasts, and two unreachable light ballasts in the armory. Seven inoperable light ballasts, one magnetic light ballast, 11 electronic light ballasts, and zero LED light ballasts were found when surveying the MVSB. There were no leaking light ballasts discovered in either building. Table FL1 contains a room by room summary of the fluorescent light ballast data collected during this survey. Figure FL1 presents the location of the fluorescent light ballasts at the facility.

Ozone Depleting Chemicals Survey

The survey found 10 pieces of equipment that contain some type of refrigerant. Of the 10 refrigerant-containing units, 1 contained R12, a Class I ODC. Additionally, 2 units contained R22, a Class II ODC. The remaining 7 units utilized non-ODC refrigerants such as R134, R404A, and R410A. The Class I ODC was found in an armory refrigerator, while the Class II ODCs were found in an outside AC unit and a rooftop AC unit. Class I ODCs should have been phased out by 2005. Class II ODCs are scheduled for complete phase out by 2020. The type, make, model, serial number, location, and amount of refrigerant for these pieces of equipment can be found on Table FL3. Figure FL1 presents the location of ODC containing equipment at this facility.

Global Warming Potential Survey

Of the 10 pieces of equipment containing refrigerants, 2 are considered to have high GWP, and 8 are considered to have medium GWP. Of the non-ODC containing units, 2 units use R134A, 1 uses 404A, and 3 use R410A. R134A and R410A have a medium GWP level, while R404A has a high GWP level. These units include refrigerators, ice machines, water coolers, large outdoor and rooftop AC units, and small window AC units. The type, make, model, location, and serial number of each piece of equipment as well as the type and amount of refrigerants each contains may be found on Table FL3. Figure FL1 presents the location of GWP equipment at the facility.

Air Emissions Survey

All equipment and/or operations that are considered to be air pollution sources under EPA's AP-42 Compilation of Air Emissions Factors were documented. In total, 2 emission sources in the armory and 2 emission sources in the MVSB were identified. The permitted source at this facility was a 3.5MMBTU/hr oil consuming boiler in the

armory. Other emission sources include a furnace, hot water heater, and assorted rattlecans containing paints and solvents. Table FL11 presents a summary of all emission sources identified during this survey. Figure FL1 shows the location of these sources. The total HAP PTE calculated from all sources was 1.56 TPY, while the actual HAP emissions total was 0.08 TPY. Emission totals can be found on Table FL12.

Fort Dix JFHQ Complex

The Fort Dix Facility is located at the Joint Base McGuire-Dix-Lakehurst in the Dix Containment Area, Burlington County, New Jersey. The JFHQ complex consists of four buildings; three brick-buildings (Buildings 3601, 3650 and 3651) and a new storage building (Building 3652). A site visit was conducted on July 24th, 2017 by Jon McKinnon, Rosalie Hood, and Devin Walker. This survey included Building 3601, 3650, 3651, and 3652. Seven rooms in Building 3650 were inaccessible the day of the survey.

Fluorescent Light Ballast Survey

A total of 49 fluorescent light fixtures within Building 3651 and 362 fluorescent light fixtures within Building 3650 were surveyed. The survey found 12 inoperable ballasts, 66 magnetic ballasts, 219 electronic ballasts, and zero LED ballasts within Building 3651. 49 electronic ballast were found within Building 3650; ballasts may be present in the rooms that were inaccessible at the time of the survey. No leaking ballasts were recorded within the buildings. Table FX1 contains a room by room summary of fluorescent light ballast data collected. Figures FX1, FX2, FX3, and FX4 present the location of the fluorescent light ballasts at the facility.

Ozone Depleting Chemicals Survey

The survey found 105 pieces of equipment that contain some type of refrigerant. Of the 105 pieces of equipment, three units contained Class I ODCs, specifically R12. Additionally, 19 units contained Class II ODCs, specifically R22. The remainder of the refrigerants are not considered ODCs by the USEPA. The refrigerants for 11 pieces of equipment could not be identified. The ODC-containing-equipment includes air conditioners, water coolers and refrigerators. The type, make, model, location, and serial number of each piece of equipment as well as the type and amount of refrigerants each contains may be found in Table FX3. Figures FX1, FX2, FX3, and FX4 present the location of this equipment at the facility.

Global Warming Potential Survey

In total, 67 non-ODC-containing units were identified, all of which are considered to have high or medium GWP. These units included air conditioners, refrigerators, a freezer, and an ice machine. Including the ODC-containing units, there are a total of 89 units with high or medium GWP at this facility. Table FX3 presents a list of all

refrigerant-containing equipment along with GWP. Figures FX1, FX2, FX3, and FX4 present the location of this equipment at the facility.

Air Emissions Survey

All equipment and/or operations that are considered to be air pollution sources under EPA's AP-42 Compilation of Air Emissions Factors were documented. In total, four emission sources in Building 3601, six emission sources in Building 3650, three emission sources in Building 3651, and six emission sources in Building 3661 were identified. The permitted sources include one 2.634MMBTU/hr natural gas boiler and two 1.5MMBTU/hr natural gas boilers in Building 3601; two 1.5MMBTU/hr natural gas boilers, two 2.0MMBTU/hr natural gas boilers, and one 7.1MMBTU diesel emergency generator in Building 3650; and one 1.7MMBTU/hr natural gas boiler in Building 3650. Table FX11 contains information regarding all emissions sources identified during this survey. Figures FX1, FX2, FX3, and FX4 show the location of these sources. The total HAP PTE calculated from all sources was 2.52E+01 TPY, while the actual HAP emissions total was 3.60E-01 TPY. The greenhouse gases PTE was 1.42E+04 TPY, while the actual greenhouse gases emissions totaled 7.61E+02 TPY. Emissions totals can be found in Table FX12.

Franklin Armory

The Franklin armory is located at 12 Munsonhurst Road, Franklin, New Jersey. A site visit was conducted on June 28, 2017 by Bill McBride, Hannah Buckley, and Hunter Davis. This survey includes the armory and all outdoor spaces at the property. In total, three rooms in the armory were inaccessible the day of the survey.

Fluorescent Light Ballast Survey

A total of 79 light ballasts were identified within the armory. The survey found four magnetic light ballasts, 75 electronic light ballasts, zero inoperable light ballasts, zero LED light ballasts, and zero unreachable light ballasts in the facility. Additionally, no leaking ballasts were found. Table FRN1 contains a room by room summary of the fluorescent light ballast data collected during this survey. Figure FRN1 presents the location of the location of each fluorescent light ballast at the facility.

Ozone Depleting Chemical Survey

The survey found seven pieces of equipment that contain some type of refrigerant at this facility, all of which were window AC units. Of the 7 units, 5 contain R22, a Class II ODC. The remaining 2 units contained R410A, a non-ODC refrigerant. Class II ODCs are scheduled for complete phase out by 2020. The type, make, model, serial number, location, and amount of refrigerant for each piece of equipment can be found in Table FRN3. Figure FRN1 presents the location of the ODC containing equipment at this

facility.

Global Warming Potential Survey

Of the seven units containing refrigerants, all are considered to have medium GWP, including 5 units containing Class II ODCs. The 2 non-ODC containing units use R410A. The type, make, model, location, and serial number of each piece of equipment as well as the type and amount of refrigerants each contains can be found on Table FRN3. Figure FRN1 present the location of the GWP containing equipment at the facility.

Air Emissions Survey

All equipment and/or operations that are considered to be air pollution sources under EPA's AP-42 Compilation of Air Emissions Factors were documented. In total, two emission sources were identified. These sources include a 3.1 MMBTU/hr oil boiler and a 1,500 gal AST. An emissions source summary table is shown on Table FRN11. Figure FRN1 shows the location of these sources. The total HAP PTE calculated from all sources was 0.67 TPY, while the actual HAP emissions were 0.17 TPY. Emission totals can be found on Table FRN12.

Freehold Armory

The Freehold facility is located at 635 State Highway 33, Freehold, New Jersey. The facility consists of one building; the armory. A site visit was conducted on July 11, 2017 by Devin Walker, Rosalie Hood, and Jon McKinnon. This survey includes the armory and all outdoor spaces at the property. A total of two rooms in the armory were inaccessible the day of the survey.

Fluorescent Light Ballast Survey

A total of 214 fluorescent light fixtures within the armory were surveyed. The survey found 11 inoperable ballasts, 6 magnetic ballasts, 83 electronic ballasts, and 114 LED ballasts within the armory. No leaking ballasts were identified within the building. Table FD1 contains a room by room summary of fluorescent light ballast data collected. Figures FD1 and FD2 present the location of the fluorescent light ballasts at the facility.

Ozone Depleting Chemicals Survey

The survey found 22 pieces of equipment that contain some type of refrigerant. The refrigerant in four units was not able to be identified. Of the 18 units with known refrigerants, one drinking water fountain contains R12, a Class I ODC. Additionally, nine units contained R22, a Class II ODC. These units include 4 small AC units and 5 large rooftop AC units. The remaining eight units contained non-ODC refrigerants, including R134A, R404A, and R410A. Class I ODCs should have been phased out by

2005. Class II ODCs are scheduled for complete phase out by 2020. The type, make, model, location, and serial number of each piece of equipment as well as the type and amount of refrigerants each contains can be found in Table FD3. Figures FD1 and FD2 present the location of ODC containing equipment at the facility.

Global Warming Potential Survey

Of the 18 pieces of equipment with known refrigerants, 16 are considered to have a medium GWP level. The remaining 2 units have a high GWP level. Of the 8 non-ODC containing units, 2 use R134A, including 1 refrigerator and 1 water fountain. A single ice machine uses R404A. The remaining 5 units contain R410A, including 2 window AC units and 3 outdoor AC units. The type, make, model, location, and serial number of each piece of equipment as well as the type and amount of refrigerants each contains may be found on Table FD3. Figures FD1 and FD2 present the location of GWP containing equipment at the facility.

Air Emissions Survey

All equipment and/or operations that are considered to be air pollution sources under EPA's AP-42 Compilation of Air Emissions Factors were documented. In total, 4 emission sources were identified. The permitted sources include a 1.98 MMBTU/hr oil boiler, and a 1.82 MMBTU/hr oil boiler. Other emission sources include a 1,500 gallon AST and assorted paints and solvents. Table FD11 presents a summary of all emission sources identified during this survey. Figures FD1 and FD2 show the location of these sources. The total HAP PTE calculated from all sources was 1.01 TPY, while the actual HAP emissions total was 0.09 TPY. Emission totals can be found on Table FD12.

Hackettstown Armory

The Hackettstown armory is located at 901 Willow Grove Street, Hackettstown, New Jersey. The facility consists of two buildings; the armory and a MVSB. A site visit was conducted on June 27, 2017 by Bill McBride, Hannah Buckley, and Hunter Davis. This survey includes the armory, MVSB, and all outdoor spaces at the property. All rooms were accessible the day of the survey.

Fluorescent Light Ballast Survey

Within the Amory, 214 fluorescent light fixtures were surveyed. The survey found 77 inoperable light ballasts, 117 magnetic light ballasts, and 8 electronic light ballasts. No LED, unreachable, or leaking ballasts were identified during the survey. Table HN1 contains a room by room summary of the fluorescent light ballast data collected during this survey. Figure HN1 presents the location of the fluorescent light ballasts at this facility.

Ozone Depleting Chemicals Survey

The Survey found 9 pieces of equipment that contain some type of refrigerant. Of the 9 pieces of equipment, 4 contain R12, a Class I ODC. Class I ODCs should have been phased out by 2005. The remaining 5 units contained non-ODC refrigerant including 1 ice machine with R404A and 4 outside AC units containing R410A. The type, make, model, serial number, location, and amount of refrigerant for each refrigerant-containing piece of equipment can be found on Table HN3. Figure HN1 presents the location of the ODC containing equipment at the facility.

Global Warming Potential Survey

Of the 9 refrigerant-containing units, 4 use R410A, which has a medium GWP level. The remaining 5 units contained R12 and R404A, both of which have a high GWP level. All R410A containing units were outside AC units containing 6-18 lbs of refrigerant. The 4 units containing R12 include 2 drinking water fountains and 2 refrigerators. The single unit containing R404A was an ice machine. The type, make, model, location, and serial number of each piece of equipment as well as the type and amount of refrigerants each contains may be found on Table HN3. Figure HN1 presents the location of GWP containing equipment at the facility.

Air Emissions Survey

All equipment and/or operations that are considered to be air pollution sources under EPA's AP-42 Compilation of Air Emissions Factors were documented. In total, 7 sources in the armory and 2 sources in the MVSB were identified. The permitted source at this facility includes one 1.96 MMBTU/hr oil boiler in the armory. Other sources include one hot water heater, one furnace, one 5,000 gal oil UST, one 275 gal oil AST, one 80 gal propane AST, two parts washers, and assorted paints and solvents. Table HN11 presents a summary of all emission sources identified during this survey. Figure HN1 shows the location of these sources. The total HAP PTE calculated from all sources was 0.70 TPY, while the calculated actual HAP emission total was 0.08 TPY. Emission totals can be found on Table HN12.

Hammonton Armory

The Hammonton armory is located at 550 South Egg Harbor Road, Hammonton, New Jersey. The facility consists of two buildings; an armory and an OMS. A site visit was conducted on June 26, 2017 by Chuck Appleby, Rosalie Hood, and Jon McKinnon. This survey includes the armory, OMS, and all outdoor spaces at the property. A total of four rooms in the armory were inaccessible the day of the survey.

Fluorescent Light Ballast Survey

A total of 59 fluorescent light fixtures within the armory and 31 fluorescent light fixtures within the OMS were surveyed. The survey found 1 inoperable ballast, 3 magnetic ballasts, and 55 electronic ballasts within the armory. There were 2 magnetic ballasts and 29 electronic ballasts found within the OMS. No LED or leaking ballasts were identified within either building. Table HA1 contains a room by room summary of fluorescent light ballast data collected during this survey. Figures HA1 and HA2 present the location of the fluorescent light ballasts at the facility.

Ozone Depleting Chemicals Survey

The survey found 16 pieces of equipment that contain some type of refrigerant. Of the 16 pieces of equipment, zero Class I ODCs were identified. A total of 10 window unit air conditioners contain R22, a Class II ODC. Class II ODCs are scheduled for complete phase out by 2020. The refrigerant for 2 air conditioners could not be identified. The remaining 4 units contained non-ODC refrigerants. These units include a water fountain, a soda machine, and 2 refrigerators, all of which contain R134A. The type, make, model, location, and serial number of each piece of equipment as well as the type and amount of refrigerants each contains may be found in Table HA3. Figures HA1 and HA2 present the location of ODC containing equipment at this facility.

Global Warming Potential Survey

Of the 14 pieces of equipment with known refrigerants, all of them use refrigerants with medium GWP. In total, 10 units contain R22 and 4 units contain R134A. These units include 10 small AC units, 1 water fountain, 1 soda machine, and 2 refrigerators. The type, make, model, location, and serial number of each piece of equipment as well as the type and amount of refrigerants each contains may be found on Table HA3. Figures HA1 and HA2 present the location of GWP containing equipment at the facility.

Air Emissions Survey

All equipment and/or operations that are considered to be air pollution sources under EPA's AP-42 Compilation of Air Emissions Factors were documented. In total, 4 sources in the OMS and 1 source in the armory were identified. The permitted source at this facility includes one 1.95MMBTU/hr natural gas boiler in the armory. Other sources include three natural gas heaters and assorted paints and solvents. Table HA11 presents a summary of all emission sources identified during this survey. Figures HA1 and HA2 show the location of these sources. The total HAP PTE calculated from all sources was 0.67 TPY while the calculated actual HAP emissions were 0.03 TPY. The CO_2 PTE was 1.08E+03 TPY, while the actual CO_2 emissions totaled 1.27E+01. Emission totals can be found on Table HN12.

Jersey City Armory

The Jersey City armory is located at 678 Montgomery Street, Jersey City, New Jersey. The facility consists of one building; the Armory. A site visit was conducted on July 27, 2017 by Chuck Appleby, Hannah Buckley, Rosalie Hood, Jon Mckinnon and Hunter Davis. This survey includes the armory and all outdoor spaces at the property. A total of 37 rooms were inaccessible the day of the survey.

Fluorescent Light Ballast Survey

A total of 401 fluorescent light fixtures within the armory were surveyed. The survey found 40 inoperable ballasts, 4 magnetic ballasts, and 339 electronic ballasts within the armory. Zero leaking ballasts were recorded within the building. The surveyors were unable to reach 18 light ballasts while conducting the survey. Table JC1 contains a room by room summary of fluorescent light ballast data collected during this survey. Figures JC1, JC2, JC3, and JC4 present the location of the fluorescent light ballasts at the facility.

Ozone Depleting Chemicals Survey

The survey found 23 pieces of equipment that contain some type of refrigerant. Of the 23 pieces of equipment, 4 units contained a refrigerant that was unable to be identified. In total, 6 units contain R22, a Class II ODC. Class II ODCs are scheduled for complete phase out by 2020. These units include 2 dehumidifiers and 4 portable AC units. The remaining 13 units contained non-ODC refrigerants. Refrigerant R410A was identified in 1 blower, 1 large AC unit, and 1 portable AC unit. Refrigerant R134A was identified in 2 refrigeration units, 3 chilled serving counters, 2 refrigerators, and 2 drinking water fountains. Refrigerant R404A was identified in 1 ice machine. The type, make, model, location, and serial number of each piece of equipment as well as the type and amount of refrigerants each contains may be found on Table JC3. Figures JC1, JC2, and JC3 present the location of ODC containing equipment at the facility.

Global Warming Potential Survey

Of the 23 pieces of equipment, 19 use refrigerants having medium to high global warming potential. Refrigerants R134A, R410A, and R22 have medium GWP. Refrigerant R404A has high GWP. In total, 6 units contain R22, a Class II ODC. These units include 2 dehumidifiers and 4 portable AC units. Refrigerant R410A was identified in 1 blower, 1 large AC unit, and 1 portable AC unit. Refrigerant R134A was identified in 2 refrigeration units, 3 chilled serving counters, 2 refrigerators, and 2 drinking water fountains. Refrigerant R404A was identified in 1 ice machine. The type, make, model, location, and serial number of each piece of equipment as well as the type and amount of refrigerants each contains may be found on Table JC3. Figures JC1, JC2, JC3, and JC4 present the location of GWP containing equipment at the facility.

Air Emissions Survey

All equipment and/or operations that are considered to be air pollution sources under EPA's AP-42 Compilation of Air Emissions Factors were documented. In total, 7 emission sources were identified. The permitted sources include three 4MMBTU/hr natural gas boilers. Other sources include two natural gas hot water heaters, one parts washer, and spray paint. Table JC11 presents a summary of all emission sources identified during this survey. Figures JC1, JC2, and JC3 show the location of these sources. The total HAP PTE calculated for all emissions sources at this facility was 2.91 TPY, while the calculated actual HAP emissions were 0.30 TPY. The CO_2 PTE was 6.18E+03 TPY, while the actual CO_2 emissions totaled 6.54E+02. Emission totals can be found on Table JC12.

Lakehurst CLTF and AASF

The Lakehurst facility is located at 1 Nawc, Lakehurst, New Jersey. The facility consists of seven buildings; the CLTF, AASF, Building 129, 608, 802, 813, and 814. A site visit was conducted on May 30, and June 13, 2017 by Bill McBride, Anjelica McMahon, Devin Walker, Hannah Buckley, Rosalie Hood, Jon McKinnon and Hunter Davis. This survey included the CLTF, AASF, Buildings 129, 608, 802, 813, and 814, and all outdoor spaces on the property. 28 rooms throughout the campus were inaccessible the days of the survey.

Fluorescent Light Ballast Survey

1,964 fluorescent light fixtures within the campus were surveyed. The survey found 57 inoperable ballasts, four magnetic ballasts, and 1,482 electronic ballasts within the buildings. 356 light fixtures either didn't give a reading or were unreachable. No leaking ballasts were recorded within the buildings. Table LH1 contains a room by room summary of fluorescent light ballast data collected. Figure LH1 presents the location of the fluorescent light ballasts at the facility.

Ozone Depleting Chemicals Survey

The survey found 143 pieces of equipment that contain some type of refrigerant. Of the 143 pieces of equipment, 5 contain Class I ODCs, specifically R12. Additionally, 48 units contained Class II ODCs, specifically R22. The remainder of the refrigerants are not considered ODCs by the USEPA. The ODC-containing-equipment includes window unit air conditioners, ice machines, dehumidifiers, recovery tanks, fan coil units, drinking fountains, and ground-mount air conditioners. The type, make, model, serial number, location and amount of refrigerant for these pieces of equipment can be found on Table LH2. Figure LH1 presents the location of ODC containing equipment at the facility.

Global Warming Potential Survey

In total, 90 non-ODC-containing units were identified, all of which are considered to have high, medium, or low GWP. These units included drinking fountains, air conditioners, refrigerators, a water cooler, a drink machine, and a recovery tank. Including the ODC-containing units, there are a total of 139 units with high or medium GWO at this facility. Table LH3 presents a list of all refrigerant-containing equipment along with GWP. Figure LH1 presents the location of this equipment at the facility.

Air Emissions Survey

All equipment and/or operations that are considered to be air pollution sources under EPA's AP-42 Compilation of Air Emissions Factors were documented. In total, 38 emission sources in the CLTF, ten emission sources in the AASF, eight emission sources in Building 129, and one emission source in Building 608 were identified. The permitted sources include two 5.5MMBTU/hr natural gas boilers, one 2.8MMBTU/hr natural gas boiler, two 1.95MMBTU/hr natural gas heaters, one 2.4MMBTU/hr natural gas heater, and one 2.1MMBTU/hr natural gas heater in the CLTF; four 2MMBTU/hr natural gas boilers, one 1.4MMBTU/hr natural gas boiler, one 500BTU/hr diesel generator, one 400BTU/hr diesel generator, and one 123 gallon paint booth in the AASF; and sitewide woodworking operations. Table LH11 contains information regarding all emissions sources identified during this survey. Figure LH1 shows the location of these sources. The total HAP PTE calculated from all sources was 3.04E+01 TPY, while the actual HAP emissions total was 3.10E+00. The greenhouse gases PTE was 1.77E+04 TPY, while the actual greenhouse gases emissions totaled 9.71E+02 TPY. Emissions totals can be found in Table LH12.

Lawrenceville Complex

The Lawrenceville complex is located at 151 Eggerts Crossing Road in Lawrenceville, New Jersey. The facility consists of several buildings including the armory, DMAVA HQ, HSCOE, Marshall's building, and FMS buildings. Site visits were conducted between June 5, and June 20, 2017 by Bill McBride, Anjelica McMahon, Devin Walker, Hannah Buckley, Rosalie Hood, Jon Mckinnon and Hunter Davis. This survey includes the armory, DMAVA HQ, Marshall's building, FMS buildings, the guard post, and all outdoor spaces at the property. In total, 15 rooms within DMAVA HQ, 28 rooms within the armory, 4 rooms within HSCOE, and 2 rooms within the Marshall's building were inaccessible the day of the survey.

Fluorescent Light Ballast Survey

A total of 1015 fluorescent light fixtures within the DMAVA building, 624 light fixtures in the armory, 244 in the HSCOE, 1 in the guard shack, 273 in the FMS buildings, and 108

light fixtures within the Marshall's building were surveyed. The survey identified 334 inoperable, 32 magnetic ballasts, 510 electronic ballasts, and 139 LEDs within DMAVA. The survey found 76 inoperable, 45 magnetic ballasts, 183 electronic ballasts, and 310 LEDs within the armory. The survey found 2 inoperable, 4 magnetic ballasts, zero electronic ballasts, and 238 within the HSCOE. The survey found 14 inoperable, 5 magnetic ballasts, and 87 electronic ballasts within the Marshall's building. There were 71 magnetic ballasts, 44 electronic ballasts, 8 inoperable ballasts, and 153. LEDs identified in the FMS buildings. No leaking ballasts were recorded within any building. Table LE1 contains a room by room summary of fluorescent light ballast data collected. Figures LE HSCOE, LE1, LE2, LE3, LE4, LE5, and LE6 present the location of the fluorescent light ballasts at the facility.

Ozone Depleting Chemicals Survey

The survey found 145 pieces of equipment that contain some type of refrigerant. Of the 145 pieces of equipment, 6 contain R12, a Class I ODC. This equipment includes a freezer, a chilled serving counter, 3 refrigeration units, and a drinking water fountain. All Class I ODCs were scheduled for a 2005 phase out. An additional 63 units contain R22, a Class II ODC. These units include large and small AC units. Class II ODCs are scheduled for complete phase out by 2020. The refrigerants in 9 units were unable to be identified. The remaining 67 units contained non-ODC refrigerants. The type, make, model, serial number, location and amount of refrigerant for these pieces of equipment can be found on Table LE3. Figures LE1, LE2, LE3, LE4, LE5, and LE6 present the location of ODC containing equipment at the facility.

Global Warming Potential Survey

Of the 145 units surveyed, 122 contained refrigerants with medium GWP, and 12 contained refrigerants with high GWP. The refrigerants identified at this site with high GWP include R12 and R404A. The refrigerants identified at this site with medium GWP include R22, R13A, R43A, and R410A. The type, make, model, location, and serial number of each piece of equipment as well as the type and amount of refrigerants each contains may be found on Table LE3. Figures LE1, LE2, LE3, LE4, LE5, and LE6 present the location of these refrigerant-containing units.

Air Emissions Survey

All equipment and/or operations that are considered to be air pollution sources under EPA's AP-42 Compilation of Air Emissions Factors were documented. In total, 36 emission sources were identified. The permitted sources include 3 natural gas boilers in the armory, 3 diesel emergency generators, and a gasoline fuel dispensing pump. Other sources include hot water heaters, space heaters, split units, IR heaters, AST's, welding operations, and assorted paints and solvents. Table LE11 presents a summary of all

emission sources identified during this survey. Figures LE1, LE2, LE3, LE4, LE5, and LE6 show the location of these sources. The total HAP PTE calculated from all sources was 36.24 TPY while the actual HAP emissions were 0.26 TPY. The CO_2 PTE was 1.21E+4 TPY, while the actual CO_2 emissions totaled 2.64E+2. Emission totals can be found on Table LE12.

Lodi Armory

The Lodi armory is located at 178 Essex Street in Lodi, New Jersey. The facility consists of three buildings; the armory and 2 MVSBs. A site visit was conducted on August 2, 2017 by Bill McBride, Hannah Buckley, and Hunter Davis. This survey includes the armory, MVSB 1, MVSB 2, and all outdoor spaces at the property. A total of 11 rooms in the armory were inaccessible on the day of the survey.

Fluorescent Light Ballast Survey

A total of 173 fluorescent light fixtures within the armory, 74 fluorescent light fixtures within the MVSB1, and 28 light fixtures within the MVSB2 were surveyed. The survey identified 12 inoperable ballasts, 75 magnetic ballasts, and 82 electronic ballasts within the armory. There were 4 unreachable lights and 1 unidentified light in the armory. MVSB1 contained 1 inoperable ballast, 6 electronic ballasts, and 67 magnetic ballasts. MVSB2 contained 3 inoperable ballasts, 21 magnetic ballasts, and 3 electronic ballasts. No leaking ballasts were recorded within any of buildings. Table LI1 contains a room by room summary of the fluorescent light ballast data collected during this survey. Figure LI1 presents the location of the fluorescent light ballasts at the facility.

Ozone Depleting Chemicals Survey

The survey found 27 pieces of equipment that contain some type of refrigerant. Of the 27 pieces of equipment, 1 contains R12, a Class I ODC. Additionally, 11 air conditioning units contained R22, a Class II ODC. The refrigerant in 6 units could not be identified. The remaining 9 units contained R134A, a non-ODC refrigerant. The Class I ODC was identified in a vehicle recovery refrigeration unit in MVSB 1. The Class II ODCs were identified in small and large AC units. Class I ODC's were mandated for complete phase out by 2005 and Class II ODC's are scheduled for complete phase out by 2020. The type, make, model, location, and serial number of each piece of equipment as well as the type and amount of refrigerants each contains may be found in Table LI3. Figure LI1 present the location of ODC containing equipment at the facility.

Global Warming Potential Survey

Of the 21 identified refrigerants, 20 have a medium GWP level. These refrigerants include R134A and R22, and are found in 14 units in the armory such as water coolers,

AC units, and refrigerators, 2 units in MVSB 1, 3 units in MVSB 2, and 1 large AC unit outside. A vehicle recovery refrigeration unit in MVSB1 contained R12, a Class I ODC with high GWP. The type, make, model, location, and serial number of each piece of equipment as well as the type and amount of refrigerants each contains may be found on Table LI3. Figures LI1 and LI2 present the location of GWP containing equipment at the facility.

Air Emissions Survey

All equipment and/or operations that are considered to be air pollution sources under EPA's AP-42 Compilation of Air Emissions Factors were documented. In total, 11 emission sources were identified, including 2 boilers in the armory, 6 forced air furnaces in MVSB 1, 1 parts washer in MVSB 1, assorted paints and solvents in MVSB 1, and 1 generator located outside the armory. The permitted source includes a 3.1MMBTU/hr natural gas boiler. Table LI11 presents a summary of all emission sources identified during this survey. Figure LI1 and LI2 show the location of these sources. The total HAP PTE calculated for all emission sources at this facility was 1.37 TPY, while the calculated actual HAP emissions were 0.08 TPY. The CO_2 PTE was 2.38E+03 TPY, while the actual CO_2 emissions totaled 1.42E+02. Emission totals can be found in Table LI12.

Morristown Facility

The Morristown Facility is located at 430 Western Avenue, Morristown, New Jersey. The facility consists of one building, the armory. A site visit was conducted on June 26, 2017 by Bill McBride, Hannah Buckley, and Hunter Davis. This survey included the armory and all outdoor spaces on the property. Eight rooms in the armory were inaccessible on the day of the survey.

Fluorescent Light Ballast Survey

A total of 340 light fixtures within the armory were surveyed. The survey found two inoperable light ballasts, 51 magnetic light ballasts, 83 electronic light ballasts, 136 LED fixtures, and 68 unreachable light ballasts; ballasts may be present in the rooms that were inaccessible at the time of the survey. No leaking ballasts were recorded within the armory. Table MN1 contains a room by room summary of the fluorescent light ballast data collected. Figures MN1, MN2, and MN3 present the location of the fluorescent light ballasts at the facility.

Ozone Depleting Chemical Survey

The survey found 29 pieces of equipment that contain some type of refrigerant. Of the 29 pieces of equipment, three contain Class I ODCs, specifically R12. Additionally, 16

units contained Class II ODCs, specifically R22. The refrigerant in one unit could not be identified. The remainder of the refrigerants, specifically R134A, R404A, R410A, and R600A, are not considered ODCs by the USEPA. Class I ODCs were identified in refrigeration units and an ice machine, Class II ODCs were identified in small AC units and a dehumidifying unit. The ODC-containing equipment includes air conditioners, an ice machine, a refrigeration unit and a dehumidifier. Class I ODC's were mandated for complete phase out by 2005 and Class II ODC's are scheduled for complete phase out by 2020. The type, make, model, serial number, location, and amount of refrigerant for each ODC-containing piece of equipment can be found on Table MN3. Figures MN1, MN2, and MN3 present the location of this equipment at the facility.

Global Warming Potential Survey

Of the 28 identified refrigerants, four have a high GWP level. These refrigerants include R12 and R404A. Another 22 have a medium GWP level. These refrigerants include R22, R134A, and R410A. One has a low GWP level. This refrigerant is R600A. Two refrigeration units in the armory and one ice machine contained R12, a Class I ODC with high GWP. 15 AC units and one dehumidifying unit contained R22, a Class II ODC with medium GWP. The type, make, model, location, and serial number of each piece of equipment as well as the type and amount of refrigerants each contains may be found on Table MN3. Figures MN1, MN2, and MN3 present the location of GWP-containing equipment at this facility.

Air Emissions Survey

All equipment and/or operations that are considered to be air pollution sources under EPA's AP-42 Compilation of Air Emissions Factors were documented. In total, three emission sources in the armory were identified, including two boilers and VOC-containing paints and solvents. The permitted sources include the two 1.5MMBTU/hr natural gas boilers. Table MN11 presents a summary of all emissions sources identified during this survey. Figures MN1, MN2, and MN3 show the locations of these sources. The total HAP PTE calculated from all sources was 6.69E-01 TPY, while the actual HAP emissions total was 9.63E-02 TPY. The greenhouse gases PTE was 1.55E+03 TPY, while the actual greenhouse gases emissions totaled 2.23E+02 TPY. Emissions totals can be found in Table MN12.

Mount Holly Armory

The Mount Holly facility is located at 1670 Route 38 East, Mount Holly, New Jersey. The facility consists of one building; the Armory. A site visit was conducted on June 29, 2017 by Devin Walker, Rosalie Hood, and Jon McKinnon. This survey includes the armory and all outdoor spaces at the property. Only one room was inaccessible during the day

of the survey.

Fluorescent Light Ballast Survey

A total of 73 fluorescent light fixtures within the armory were surveyed. The survey identified eight magnetic ballasts, 45 electronic ballasts, and 20 LED ballasts within the armory. No leaking ballasts or inoperable fluorescent ballasts were recorded within the building. Table MY1 contains a room by room summary of fluorescent light ballast data collected. Figures MY1 and MY2 present the location of the fluorescent light ballasts at the facility.

Ozone Depleting Chemicals Survey

The survey found 13 pieces of equipment that contain some type of refrigerant. Of the 13 pieces of equipment, four contained R22, a Class II ODC. The refrigerant in two units were not Class II ODCs are scheduled for complete phase out by 2020. R134A, RS-44b, R407C are acceptable replacements for R22 in accordance with SNAP's Section 612c of the Clean Air Act. All 3 alternatives have medium GWP levels, and due to new restrictions could become unacceptable alternatives to use in the future. Unidentified objects include the refrigerants for 2 pieces of equipment, and 2 window air conditioner units. The type, make, model, location, and serial number of each piece of equipment as well as the type and amount of refrigerants each contains may be found in Table MY3. Figures MY1 and MY2 present the location of ODC containing equipment at the facility.

Global Warming Potential Survey

Of the 13 identified refrigerants, one has a high GWP. This refrigerant is R404A. 10 refrigerants have a medium GWP. These include R22, R134A, and R410A. Four outdoor AC units contained R22, a Class II ODC with medium GWP. The type, make, model, location, and serial number of each piece of equipment as well as the type and amount of refrigerants each contains may be found on Table MY3. Figures MY1 and MY2 present the location of GWP containing equipment at the facility.

Air Emissions Survey

All equipment and/or operations that are considered to be air pollution sources under EPA's AP-42 Compilation of Air Emissions Factors were documented. In total, two emission sources were identified. These two emission sources are boilers. The boilers each have 2.8 MMBTU/hr and are operate with a permit. Table MY11 presents a summary of all emission sources identified during this survey. Figures MY1 and MY2 show the location of these sources. The total HAP PTE calculated for all emission sources at this facility was 1.33E+00 TPY, while the calculated actual HAP emissions were 1.99E-02 TPY. The greenhouse gas PTE was 2.89E+03 TPY, while the actual

greenhouse gas emissions totaled 4.51E+01 TPY. Emission totals can be found in Table MY12.

New Egypt Armory

The New Egypt (also referred to as Old UTES) property is located in New Egypt, New Jersey. The facility consists of one building; the Armory. A site visit was conducted on August 8th, 2017 by Devin Walker, Rosalie Hood, and Jon Mckinnon. This survey included the Armory and all outdoor spaces on the property. Two rooms in the armory were inaccessible on the day of the survey.

Fluorescent Light Ballast Survey

A total of 244 fluorescent light fixtures within the armory were surveyed. The survey found 29 inoperable ballasts, 66 magnetic ballasts and 146 electronic ballasts within the armory. No leaking ballasts were recorded within the building. Table OU1 contains a room by room summary of fluorescent light ballast data collected in different rooms. Figure OU1 presents the location of the fluorescent light ballasts at the facility.

Ozone Depleting Chemicals Survey

The survey found two pieces of equipment that contain some type of refrigerant. Both of these units contain R22, a Class II ODC. One of the units is a rooftop AC unit while the other is a smaller window unit. Class II ODC's are scheduled for complete phase out by 2020. The type, make, model, serial number, location and amount of refrigerant for these pieces of equipment can be found on Table OU3. There were five pieces of equipment whose refrigerant information was inaccessible. Figure OU3 presents the location of ODC containing equipment at the facility.

Global Warming Potential Survey

Of the 2 pieces of equipment, two have a medium GWP level. The refrigerant used is R22. Both units are AC units; one being a large rooftop unit and the other being a small window unit. The type, make, model, location, and serial number of each piece of equipment as well as the type and amount of refrigerants each contains may be found on Table MN3. Figure MN3 presents the location of GWP-containing equipment at this facility.

Air Emissions Survey

All equipment and/or operations that are considered to be air pollution sources under EPA's AP-42 Compilation of Air Emissions Factors were documented. In total, five emission sources were identified. These include a boiler, hot water heater, parts washer, storage tank, VOC-containing paints/solvents, and an unknown source. The

permitted source includes the 2.55 MMBTU/hr oil boiler. Table OU11 presents a summary of all emissions sources identified during this survey. Figures OU1, OU2 and OU3 show the location of these sources. The total HAP PTE calculated from all sources was 7.16E-01 TPY, while the actual HAP emissions total was 1.07E-01 TPY. The greenhouse gasses PTE was 1.83E-02 TPY, while the actual HAP emissions totaled 9.68E-04 TPY. Emission totals can be found in OU12.

Newark Armory

The Newark facility is located at 120 Roseville Avenue in Newark, New Jersey. The facility consists of two buildings; the Armory and an OMS. A site visit was conducted on July 27, 2017 by Chuck Appleby, Hannah Buckley, Rosalie Hood, Jon Mckinnon and Hunter Davis. This survey included the armory, OMS, and all outdoor spaces on the property. All rooms were accessible on the day of the survey.

Fluorescent Light Ballast Survey

A total of 375 light fixtures within the armory and 46 fluorescent light fixtures within the OMS were surveyed. The survey found, within the armory, there were seven inoperable fluorescent ballasts, and 368 electronic ballasts. Four ballasts were unreachable. No magnetic ballasts in the armory were identified. Additionally, the third floor of the armory could not be surveyed due to all light fixtures being disconnected from the electrical system. Within the OMS, there were three inoperable fluorescent ballasts, and 43 magnetic ballasts. No electronic ballasts in the OMS were identified. No leaking ballasts were recorded within either building. Table NK1 contains a room by room summary of the fluorescent light ballast data collected. Figure NK1 presents the location of the fluorescent light ballasts at the facility.

Ozone Depleting Chemicals Survey

The survey found 22 pieces of equipment that contain some type of refrigerant. Of the 22 pieces of equipment, two contain Class I ODCs, specifically R12. Additionally, 12 units contained Class II ODCs, specifically R22. The refrigerant in four units could not be identified. The remainder of the refrigerants, specifically R134A, R404A, and R410A, are not considered ODCs by the USEPA. Class I ODCs were identified in a refrigeration unit in the armory and a drinking fountain in the OMS. Class II ODCs were identified in small AC units and a refrigeration units. Class I ODC's were mandated for complete phase out by 2005 and Class II ODC's are scheduled for complete phase out by 2020. The type, make, model, serial number, location and amount of refrigerant for these pieces of equipment can be found on Table NK3. Figure NK1 presents the location of ODC containing equipment at the facility.

Global Warming Potential Survey

Of the 22 identified refrigerants, three have a high GWP. The refrigerants include R12 and R404A. Units containing these refrigerants can be found in an ice machine and refrigeration unit in the armory, and a drinking fountain in the OMS. 15 refrigerants have a medium GWP. These refrigerants include R22, R134A, and R410A. Units containing these refrigerants can be found in 12 AC units, two drinking fountains, and a refrigeration unit in the armory. The type, make, model, location, and serial number of each piece of equipment as well as the type and amount of refrigerants each contains may be found on Table NK3. Figure NK1 presents the location of GWP containing equipment at the facility.

Air Emissions Survey

All equipment and/or operations that are considered to be air pollution sources under EPA's AP-42 Compilation of Air Emissions Factors were documented. In total, five emission sources were identified. Four of these sources are in the armory. These include two boilers and two heaters. VOC-containing paints/solvents were documented in an unknown location of the facility. The permitted sources include the two 2.56 MMBTU/hr natural gas boilers. Table NK11 presents a summary of all emission sources identified during this survey. Figure NK1 shows the location of these sources. The total HAP PTE calculated for all emission sources at this facility was 1.31E+00 TPY, while the calculated actual HAP emissions were 3.26E-02 TPY. The greenhouse gasses PTE was 2.68E+03 TPY, while the actual greenhouse gasses emissions totaled 6.67E+01 TPY. Emission totals can be found in Table NK12.

Picatinny FMS

The Picatinny property is located at the intersection of Lake Denmark and Snake Hill Road in Wharton, New Jersey. A site visit was conducted on June 19, 2017 by Bill McBride, Hannah Buckley, and Hunter Davis. The survey includes the FMS, and all outdoor spaces at the property. A total of two rooms in the FMS were inaccessible on the day of the survey.

Fluorescent Light Ballast Survey

A total of 228 fluorescent light fixtures within the FMS were surveyed. The survey found 6 inoperable light ballasts and199 electronic light ballasts. There were 23 ballasts that were unreachable. There were no magnetic, LED, or leaking light ballasts found at the facility. Table PY1 contains a room by room summary of the fluorescent light ballast data collected during this survey. Figures PY1 and PY2 present the location of the fluorescent light ballasts at the facility.

Ozone Depleting Chemicals Survey

The Survey found 27 pieces of equipment that contain some type of refrigerant. Of the 27 pieces of equipment, one unit potentially contains a Class I ODC, specifically R12. Additionally, 18 units contained Class II ODCs, specifically R12. The remainder of the refrigerants, specifically R134A, R410A, and R407C, are not considered ODCs by the USEPA. The unit potentially containing a Class I ODC is a recovery unit. Class II ODCs were identified in both rooftop and window AC units. Class I ODC's were mandated for complete phase out by 2005 and Class II ODC's are scheduled for complete phase out by 2020. The type, make, model, serial number, location, and amount of refrigerant for each ODC containing piece of equipment can be found on TablePY3. Figures PY1 and PY2 present the location of the ODC containing equipment at the facility.

Global Warming Potential Survey

Of the 27 pieces of equipment, one potentially has a high GWP. The potential refrigerant used is R12. Another 26 have a medium GWP. These refrigerants include R22, R134A, R407A, and R410A. One recovery unit potentially contains R12, a Class I ODC with high GWP. 18 AC units contained R22, a Class II ODC with medium GWP. The type, make, model, location, and serial number of each piece of equipment as well as the type and amount of refrigerants each contains may be found on Table PY3. Figures PY1 and PY2 location of GWP containing equipment at the facility.

Air Emissions Survey

All equipment and/or operations that are considered to be air pollution sources under EPA's AP-42 Compilation of Air Emissions Factors were documented. In total, eight emission sources at the site were identified, including three boilers, a hot water heater, three aboveground storage tanks, and VOC-containing paints/solvents. Table NK11 presents a summary of all emissions sources identified during this survey. Figures PY1 and PY2 show the location of these sources. The total HAP PTE calculated from all sources was 8.64E-01 TPY, while the actual HAP emissions total was 5.47E-02 TPY. The greenhouse gasses PTE was 1.88E+03 TPY, while the actual greenhouse gasses emissions totaled 1.19E+02 TPY. Emission totals can be found on Table NK12.

Princeton Warehouse

The Princeton facility is located at 168 River Road, Princeton, New Jersey. The facility consists of two buildings; the State Police building and the warehouse. A site visit was conducted on July 12, 2017 by Anjelica McMahon, Rosalie Hood, and Jon Mckinnon. This survey included the State Police building, warehouse, and all outdoor spaces on the property. One room in the State Police building was inaccessible on the day of the survey.

Fluorescent Light Ballast Survey

A total of eight fluorescent light fixtures in the armory, and 46 fixtures in the State Police building were surveyed. Within the warehouse, the survey found two magnetic ballasts, and six magnetic ballasts. No inoperable ballasts were identified. Within the State Police building, the survey found one inoperable ballasts, 29 magnetic ballasts, and 16 electronic ballasts. No leaking ballasts were recorded within any of the buildings. Table PN1 contains a room by room summary of fluorescent light ballast data collected during this survey. Figure PN1 presents the location of the fluorescent light ballasts at the facility.

Ozone Depleting Chemicals Survey

The survey found 13 pieces of equipment that contain some type of refrigerant. Of the 13 pieces of equipment, three contain Class II ODCs, specifically R22. The refrigerant in three units could not be identified. The remainder of the refrigerants, specifically R134A and R410A, are not considered ODCs by the USEPA. Class II ODCs were identified in three small AC units within the State Police building. Class II ODC's are scheduled for complete phase out by 2020. The type, make, model, serial number, location, and amount of refrigerant for each ODC-containing piece of equipment can be found on Table PN3. Figure PN1 presents the location of ODC containing equipment at the facility.

Global Warming Potential Survey

All 10 refrigerants identified at the site during the survey have a medium GWP. These refrigerants include R22, R134A, and R410A. Six dehumidifying units containing R410A could be found in the warehouse, along with a refrigeration unit containing R134A. Three AC units containing R22, a Class II ODC with medium GWP, could be found in the State Police building. The type, make, model, location, and serial number of each piece of equipment as well as the type and amount of refrigerants each contains may be found on Table PN3. Figure PN1 presents the location of GWP containing equipment at the facility.

Air Emissions Survey

All equipment and/or operations that are considered to be air pollution sources under EPA's AP-42 Compilation of Air Emissions Factors were documented. A total of five emission sources were identified, including a furnace and VOC-containing paints/solvents within the warehouse, and an emergency generator and two storage tanks outside the buildings. Table PN11 presents a summary of all emission sources identified during this survey. Figure PN1 shows the location of these sources. The total HAP PTE calculated for emission sources at this facility was 3.34E+00 TPY, while the calculated actual HAP emissions were 1.35E-02 TPY. The greenhouse gasses PTE

was 4.95E+02 PY, while the actual greenhouse gasses emissions totaled 7.13E-01 TPY. Emission totals can be found on Table PY12.

Riverdale Armory

The Riverdale facility at located at 107 Newark-Pompton Turnpike, Riverdale, New Jersey. The facility consists of two buildings; the Armory and UTMB. A site visit was conducted on June 28, 2017 by Sarah Helble, Hannah Buckley, and Hunter Davis. This survey includes the armory, the MVSB, and all outdoor spaces at the property. A total of seven rooms in the armory and four In the MVSB were inaccessible on the day of the survey.

Fluorescent Light Ballast Survey

A total of 238 fluorescent light fixtures within the armory and 30 fluorescent light fixtures within the MVSB were surveyed. The survey found 50 inoperable light ballasts, 106 magnetic light ballasts, 73 electronic light ballasts, and 9 unreachable light ballasts within the armory. In the MVSB, 14 inoperable light ballasts, 16 magnetic light ballasts, and 0 unreachable light ballasts were found. There were no LED or leaking light ballasts found in either building at the facility. Table RE1 contains a room by room summary of the fluorescent light ballast data collected during the survey. Figures RE1 and RE2 present location of each fluorescent light ballast at the facility.

Ozone Depleting Chemicals Survey

The Survey found 22 pieces of equipment that contain some type of refrigerant, all of which are located within the armory. Of the 22 pieces of equipment, three contain Class I ODCs, specifically R12 and R13. Additionally, nine small AC units contained R22, a Class II ODC. The refrigerant in five units could not be identified. The remainder of the refrigerants, specifically R404A and R410A, are not considered ODCs by the USEPA. Class I ODCs were identified in two drinking fountains and a refrigeration unit. Class II ODCs were identified in small AC units. Class I ODC's were mandated for complete phase out by 2005 and Class II ODC's are scheduled for complete phase out by 2020. The type, make, model, serial number, location, and amount of refrigerant for each ODC-containing piece of equipment can be found on Table RE3. Figures RE1 and RE2 present the location of the ODC containing equipment at the facility.

Global Warming Potential Survey

Of the 19 identified refrigerants, four have a high GWP level. These refrigerants include R12, R13, and R404A. Another 13 have a medium GWP level. These refrigerants include R22, and R410. One drinking fountain and refrigeration unit contained R12, a Class I ODC with high GWP. An additional drinking fountain contained R13, a Class I

ODC with high GWP. Nine AC units contained R22, a Class II ODC with medium GWP. The type, make, model, location, and serial number of each piece of equipment as well as the type and amount of refrigerants each contains may be found on Table RE3. Figures RE1 and RE2 present the location of GWP containing equipment at the facility.

Air Emissions Survey

All equipment and/or operations that are considered to be air pollution sources under EPA's AP-42 Compilation of Air Emissions Factors were documented. In total, seven emission sources were identified, including two boilers and VOC-containing paints/solvents in the armory, three furnaces in the FMS, and one storage tank outside the FMS. The permitted sources include the two 1.4 MMBTU/hr natural gas boilers in the armory. Table RE11 presents a summary of all emissions sources identified during this survey. Figures RE1 and RE2 show the location of these sources. The total HAP PTE calculated from all sources was 6.63E-01 TPY, while the actual HAP emissions total was 2.47E-02 TPY. The greenhouse gasses PTE was 1.44E+03 TPY, while the actual greenhouse gasses emissions totaled 5.38+E01 TPU. Emission totals can be found on Table RE12.

Sea Girt NGTC

The Sea Girt facility is located at 5 Camp Drive, Sea Girt, New Jersey. The facility consists of 44 buildings including barracks, residences, training buildings, campground facilities, a museum, Armory and pump house. Site surveys were conducted on May 23, and June 16, 2017 by Bill McBride, Anjelica McMahon, Devin Walker, Hannah Buckley, Rosalie Hood, Jon Mckinnon and Hunter Davis. This survey included Buildings 1, 2, 5-8, 11, 14-18, 20-24, 26, 35-37, 54, 56, 58-60, 65-66, 68, 73, and all outdoor spaces on the property. A total of 27 rooms at the site were inaccessible on the days of the surveys.

Fluorescent Light Ballast Survey

A total of 2229 fluorescent light fixtures at the site were surveyed. The survey found 126 inoperable, 275 magnetic ballasts, 1791 electronic ballasts, and 38 LEDs within the buildings. No leaking ballasts were recorded within any building. Table ST1 contains a room by room summary of fluorescent light ballast data collected. Figures ST1 through ST26 presents the location of the fluorescent light ballasts at the facility.

Ozone Depleting Chemicals Survey

The survey found 245 pieces of equipment that contain some type of ozone depleting chemical (ODC). Of the 245 pieces of equipment, 13 contain Class I ODCs, specifically R12 and R13. There are 60 pieces of equipment that contain Class II ODCs, specifically R22 and R502, and R414B. The remainder of the refrigerants, specifically R125,

R134A, R410A, R404A, C163, and R600A, are not considered ODCs by the USEPA. The ODC-containing equipment includes air conditioners, compressors, ice machines, drinking fountains, and split units. Class I ODC's were mandated for complete phase out by 2005 and Class II ODC's are scheduled for complete phase out by 2020. The type, make, model, serial number, location and amount of refrigerant for these pieces of equipment can be found on Table ST2. Figures ST1 through ST26 present the location of ODC containing equipment at the facility.

Global Warming Potential Survey

Of the 206 identified refrigerants, 14 have a high GWP level. These refrigerants include R12. R13, R404A, R414B, and R500. A total of 184 refrigerants have a medium GWP level. These include R22, R502, R123, R125, R134A, and R410A. A total of five refrigerants have a low GWP level. This refrigerant is R600A. The Class I ODCs are found in equipment such as drinking fountains, ice machines, canisters, compressors, refrigeration units and AC units. Class II ODCs are found in equipment such as AC units, refrigeration units, canisters, and compressors. The type, make, model, location, and serial number of each piece of equipment as well as the type and amount of refrigerants each contains may be found on Table ST3. Figures ST1 through ST26 present the location of the GWP containing equipment at the facility.

Air Emissions Survey

All equipment and/or operations that are considered to be air pollution sources under EPA's AP-42 Compilation of Air Emissions Factors were documented. In total, 84 emission sources were identified. These include nine boilers, 19 hot water heaters, 11 furnaces, six heaters, nine space heaters, four IR heaters, seven forced air units, five split units, six generators, one grill, one gasoline/diesel pump, two parts washers, one dust collector, VOC-containing paints/solvents, and an unknown unit. The permitted sources include the 2.8 MMBTU/hr and 2.45 MMBTU/hr natural gas boilers in building 11, the two 0.68 MMBTU/hr diesel generators in building 2, the two 3.1 MMBTU/hr diesel generators in the NEW building, the 1000/1000 gallon gasoline/diesel pump at building 59, and the electric dust collector in the FMS. Table ST11 presents a summary of all emissions sources identified during this survey. Figures ST1 through ST26 show the location of these sources. The total HAP PTE calculated from all sources was 1.18E+02 TPY, while the actual HAP emissions total was 5.67E-01 TPY. The greenhouse gasses PTE was 5.96+E03 TPY, while the actual greenhouse gasses emissions totaled 6.80+E02 TPU. Emission totals can be found on Table ST12.

Somerset Armory

The Somerset facility is located at 1060 Hamilton Street, Somerset, New Jersey. The facility consists of three buildings; the Armory, FMS, and DTMB. A site visit was conducted on July 12, 2017 by Bill McBride, Anjelica McMahon, Devin Walker, Hannah Buckley, Rosalie Hood, Jon Mckinnon and Hunter Davis. The survey included the armory, FMS, DTMB, and all outdoor spaces on the property. A total of 23 rooms in the armory were inaccessible on the day of the survey.

Fluorescent Light Ballast Survey

A total of 379 fluorescent light fixtures in the armory, 46 fluorescent light fixtures in the FMS, and 14 fluorescent light fixtures in the DTMB were surveyed. The survey found 48 inoperable ballasts, 120 magnetic ballasts and 212 electronic ballasts within the armory. In the FMS, 46 electronic ballasts were identified. No inoperable or magnetic ballasts were identified. The DTMB contained 13 electronic ballasts. No inoperable or magnetic ballasts were identified. No leaking ballasts were recorded within either building. Table SS1 (ballast survey) contains a room by room summary of fluorescent light ballast data collected. Figures SS1, SS2 and SS3 present the location of the fluorescent light ballasts at the facility.

Ozone Depleting Chemicals Survey

The survey found 15 pieces of equipment that contain some type of refrigerant. Of the 15 pieces of equipment, one contains a Class I ODC, specifically R12. Class I ODCs should have been phased out by 2005. The refrigerant in one unit could not be identified. The remainder of the refrigerants, specifically R134A, R404A, and R410A, are not considered ODCs by the USEPA. The type, make, model, serial number, location and amount of refrigerant for these pieces of equipment can be found on Table SS3. Figures SS1, SS2 and SS3 present the location of ODC-containing equipment at the facility.

Global Warming Potential Survey

Of the 15 identified refrigerants, three have a high GWP level. These refrigerants include R12 and R404A. Another 11 have a medium GWP level. The refrigerants inclue R134A and R410A. One refrigeration unit contained R12, a Class I ODC with high GWP. The type, make, model, location, and serial number of each piece of equipment as well as the type and amount of refrigerants each contains may be found on Table SS3. Figures SS1, SS2 and SS3 present the location of GWP containing equipment at the facility.

Air Emissions Survey

All equipment and/or operations that are considered to be air pollution sources under EPA's AP-42 Compilation of Air Emissions Factors were documented. A total of nine

emission sources were identified during the survey. These include three boilers in the armory, a boiler in the FMS, two IR heaters in the DTMB, VOC-containing paints/solvents in the FMS, a generator outside the armory, and a storage tank outside the FMS. The permitted sources include two 3.5 MMBTU/hr boilers in the armory. Table SS11 presents a summary of all emission sources identified during this survey. Figures SS1, SS2 and SS3 show the location of these sources. The total HAP PTE calculated from all sources was 5.75E+00 TPY, while the actual HAP emissions total was 1.43E-01 TPY. The greenhouse gasses PTE was 4.25E+03 TPY while the actual greenhouse gasses emissions totaled 1.48E+02 TPY. Emission totals can be found on Table SS12.

Teaneck Armory

The Teaneck facility is located at 1799 Liberty Road in Teaneck, New Jersey. The facility consists of three buildings; the Armory, OMS, and a DTMB. A site visit was conducted on August 8th, 2017 by Devin Walker, Rosalie Hood, and Jon Mckinnon. The survey included the armory, OMS, DTMB, and all outdoor spaces on the property. A total of 36 rooms in the armory were inaccessible on the day of the survey.

Fluorescent Light Ballast Survey

A total of 384 fluorescent light fixtures woithin the armory were surveyed. The survey found 168 inoperable light ballasts, 79 magnetic ballasts, and 271 electronic ballasts. Additionally, 62 ballasts were unreachable. A total of 133 fluorescent light fixtures within the OMS were surveyed. The survey found 132 electronic ballasts. No inoperable or magnetic ballasts were identified. A total of 13 fluorescent light fixtures within the DTMB were surveyed. The survey found two electronic ballasts. Additionally, 11 ballasts were unreachable. No inoperable or magnetic ballasts were identified. No leaking ballasts were recorded within the armory. Table TK1 contains a room by room summary of fluorescent light ballast data collected. Figures TK1 and TK2 present the location of the fluorescent light ballasts at the facility.

Ozone Depleting Chemicals Survey

The survey found 40 pieces of equipment that contain some type of refrigerant. Of the 40 pieces of equipment, 12 contain Class II ODCs, specifically R22. Nine of these were located in the armory and three were located in the OMS. The refrigerant in five units could not be identified. The remainder of the refrigerants, specifically R134A, R404A, and R410A, are not considered ODCs by the USEPA. Class II ODCs were identified in outdoor and indoor AC units, and evaporation units. Class II ODC’s are scheduled for complete phase out by 2020. The type, make, model, serial number, location and amount of refrigerant for these pieces of equipment can be found on Table TK3. There were five pieces of equipment that the refrigerant information was inaccessible. Figures

TK1 and TK2 present the location of ODC containing equipment at the facility.

Global Warming Potential Survey

Of the 34 identified refrigerants, four have a high GWP level. The refrigerant used is R404A. Another 31 have a medium GWP level. These refrigerants include R22, R134A, and R410A.Three evaporation units, one small window AC unit, and five outdoor AC units in the armory contained R22, a Class II ODC with medium GWP. Additionally, three rooftop AC units for the OMS contained R22. The type, make, model, location, and serial number of each piece of equipment as well as the type and amount of refrigerants each contains may be found on Table TK3. Figures TK1 and TK2 present the location of GWP containing equipment at the facility.

Air Emissions Survey

All equipment and/or operations that are considered to be air pollution sources under EPA's AP-42 Compilation of Air Emissions Factors were documented. In total, 10 emission sources were identified. These include two boilers and a hot water heater in the armory, a boiler and VOC-containing paints/solvents in the OMS, two space heaters and a hot water heater in the Drive Thru Bay, and a parts washer, welding operations, and VOC-containing paints/solvents in the FMS. The permitted sources include the two 13.5 MMBTU/hr natural gas boilers in the armory and the 1.83 MMBTU/hr natural gas boiler in the armory. An emissions source summary table is shown on Table 26-1. Figures TK1, TK2 and TK3 show the location of these sources. The total HAP PTE calculated from all sources was 2.25E-01 TPY, while the actual HAP emissions total was 7.01E-03 TPY. The greenhouse gasses PTE was 1.50E+04 TPY, while the actual greenhouse gasses emissions totaled 4.67E+02 TPY. Emission totals can be found on Table TK12.

Toms River Armory

The Toms river facility is located at 1200 Whitesville Road, Toms River, New Jersey. The facility consists of three buildings; the Armory, OMS, and UTMB. A site visit was conducted on July 11, 2017 by Devin Walker, Rosalie Hood, and Jon McKinnon. The survey included Armory, OMS, and UTMB/Family Support, and all outdoor spaces on the property. A total of two rooms in the armory were inaccessible on the day of the survey.

Fluorescent Light Ballast Survey

A total of 160 fluorescent light fixtures within the armory were surveyed. The survey found 10 inoperable light ballasts, 82 magnetic ballasts, and 68 electronic ballasts. A total of 19 fluorescent light fixtures within the OMS were surveyed. The survey found

nine inoperable light ballasts, and 10 magnetic ballasts. No electronic ballasts were identified. No fluorescent light fixtures were found within the UTMB. Additionally, no leaking ballasts or LED fixtures were identified in any of the buildings. Table TR1 contains a room-by-room summary of fluorescent light ballast data collected. Figures TR1, TR2, TR3 present the location of the fluorescent light ballasts at the facility.

Ozone Depleting Chemicals Survey

The survey found 17 pieces of equipment that contain some type of refrigerant. Of the 17 pieces of equipment, one contains a Class I ODC, specifically R12. This unit was found in the OMS. Class I ODCs should have been phased out by 2005. Additionally, eight units contained a Class II ODC, specifically R22. Six of these were located in the armory, one in the FMS, and one in an unidentified building. Class II ODC's are scheduled for complete phase out by 2020. The refrigerant in two units could not be identified. The remainder of the refrigerants, specifically R134A and R404A, are not considered ODCs by the USEPA. The type, make, model, serial number, location and amount of refrigerant for these pieces of equipment can be found on Table TR3. Figures TR1, TR2, TR3, and TR4 present the location of ODC containing equipment at the facility.

Global Warming Potential Survey

Of the 15 identified refrigerants, three have a high GWP level. These refrigerants include R12, and R404A. Additionally, 12 have a medium GWP level. These refrigerants include R22, and R134A. One drinking fountain in the OMS contains R12, a Class I ODC with high GWP. Six outdoor AC units for the armory, one small AC unit for the FMS, and one small AC unit for the unidentified building contain R22, a Class II ODC with medium GWP. The type, make, model, location, and serial number of each piece of equipment as well as the type and amount of refrigerants each contains may be found on Table TR3. Figures TR1, TR2, TR3, and TR4 present the location of GWP containing equipment at the facility.

Air Emissions Survey

All equipment and/or operations that are considered to be air pollution sources under EPA's AP-42 Compilation of Air Emissions Factors were documented. In total, 21 emission sources were identified. These include two boilers, two heaters, six furnaces, four space heaters, and VOC-containing paints/solvents in the armory, two heaters and a storage tank in the MVSB, a boiler and storage tank in the UTMB, and VOC-containing paints/solvents in the FMS. Table TR11 presents a summary of all emission sources identified during this survey. Figures TR1, TR2 and TR3 show the location of these sources. The total HAP PTE calculated from all sources was 5.04E-01 TPY, while the actual HAP emissions total was 1.30E-02 TPY. The greenhouse gasses PTE was

1.27E-02 TPY, while the actual greenhouse gasses emissions totaled 3.85E-04 TPY. Emission totals can be found on Table TR12.

Tuckerton Armory

The Tuckerton facility is located at 365 East Main Street, Tuckerton, New Jersey. The facility consists of two buildings; the Armory and Storage Garage. A site visit was conducted on June 26, 2017 by Chuck Appleby, Rosalie Hood, and Jon McKinnon. This survey includes the Armory and Storage Garage, and all outdoor spaces on the property.

Fluorescent Light Ballast Survey

A total of 61 fluorescent light fixtures were identified in the armory. The survey found two inoperable light ballasts, 32 magnetic ballasts, and 28 electronic ballasts. No fluorescent light fixtures were identified in the storage building. Additionally, no leaking ballasts or LED fixtures were identified in any building. Table TN1 contains a room-by-room summary of fluorescent light ballast data collected. Figures TN1, TN2, and TN3 present the location of the fluorescent light ballasts at the facility.

Ozone Depleting Chemicals Survey

The survey found five pieces of equipment that contain some type of refrigerant. Of the five pieces of equipment, one contains a Class I ODC, specifically R12. This unit was found in the armory. Class I ODCs should have been phased out by 2005. Additionally, one unit contained a Class II ODC, specifically R22. This unit was also found in the armory. Class II ODC's are scheduled for complete phase out by 2020. The remaining refrigerant, specifically R410A, is not considered an ODC by the USEPA. The type, make, model, serial number, location and amount of refrigerant for these pieces of equipment can be found on Table TN3. Figures TN1, TN2, TN3 present the location of ODC containing equipment at the facility.

Global Warming Potential Survey

Of the 5 pieces of equipment, one has a high GWP level. The refrigerant used is R12. Additionally, four have a medium GWP level. These refrigerants include R22 and R410A. One water fountain in the armory contains R12, a Class I ODC with high GWP. One small AC unit in the armory contains R22, a Class II ODC with medium GWP. The type, make, model, location, and serial number of each piece of equipment as well as the type and amount of refrigerants each contains may be found on Table TN3. Figures TN1, TN2, and TN3 present the location of GWP containing equipment at the facility.

Air Emissions Survey

All equipment and/or operations that are considered to be air pollution sources under EPA's AP-42 Compilation of Air Emissions Factors were documented. Only a single emission source, a boiler in the armory, was identified. The permitted source includes the 2.65 MMBTU/hr natural gas boiler in the armory. Table TN11 presents a summary of all emission sources identified during this survey. Figures TN1, TN2 and TN3 show the location of these sources. The total HAP PTE calculated from all sources was 2.05E-02 TPY, while the actual HAP emissions total was 2.31E-04. The greenhouse gasses PTE was 1.37E+03 TPY, while the actual greenhouse gasses emissions totaled 1.54E+01 TPY. Emission totals can be found on Table TN12.

Vineland Armory

The Vineland facility is located at 2560 South Delsea Drive in Vineland, New Jersey. The facility consists of two buildings; the Armory and a FMS. A site visit was conducted on May 11, 2017 by Bill McBride, Anjelica McMahon, Devin Walker, Hannah Buckley, Rosalie Hood, Jon Mckinnon and Hunter Davis. This survey included the armory, FMS, and all outdoor spaces at the property. A total of 15 rooms in the armory and one in the FMS were inaccessible on the day of the survey.

Fluorescent Light Ballast Survey

A total of 316 fluorescent light fixtures within the armory and 33 fluorescent light fixtures within the FMS were surveyed. The survey found nine inoperable ballasts, 178 magnetic ballasts and 127 electronic ballasts within the armory. Within the FMS, the survey found one inoperable ballast, and 32 electronic ballasts. No magnetic ballasts were identified. There were no leaking ballasts recorded within either building. Table VD1 contains a room by room summary of fluorescent light ballast data collected. Figures VD1, VD2 and VD3 present the location of the fluorescent light ballasts at the facility.

Ozone Depleting Chemicals Survey

The survey found 28 pieces of equipment that contain some type of refrigerant. Of the 28 pieces of equipment, one unit possible contained a Class I ODC, specifically R12. Additionally, 14 units contained a Class II ODC, specifically R22. The remainder of the refrigerants, specifically R134A, R404A, and R410A, are not considered ODCs by the USEPA. The potential Class I ODC-containing unit is a vehicle refrigerant recovery system in the FMS. The Class II ODCs were found in 13 small AC units in the armory, and one small AC unit in the FMS. Class I ODC's were mandated for complete phase out by 2005 and Class II ODC's are scheduled for complete phase out by 2020. The

type, make, model, serial number, location and amount of refrigerant for these pieces of equipment can be found on Table VD3. Figures VD1, VD2 and VD3 present the location of ODC containing equipment at the facility.

Global Warming Potential Survey

Of the 28 identified refrigerants, three have a high GWP level. These refrigerants include R12, and R404A. The refrigerants were found in ice machine and an AC unit in the armory, and a vehicle refrigerant recovery system in the FMS. Additionally, 25 have a medium GWP level. These refrigerants include R22, R134A, and R410A. The refrigerants were found in 17 AC units, two drinking fountains, and a refrigeration unit in the armory, and three AC units, one refrigeration unit, and a drinking fountain in the FMS. The type, make, model, location, and serial number of each piece of equipment as well as the type and amount of refrigerants each contains may be found on Table VD3. Figures VD1, VD2 and VD3 present the location of GWP containing equipment at the facility.

Air Emissions Survey

All equipment and/or operations that are considered to be air pollution sources under EPA's AP-42 Compilation of Air Emissions Factors were documented. In total, 10 emission sources were identified at the site. These include a boiler, and water heater in the armory, a boiler, water heater, storage tank, parts washer, and VOC-containing paints/solvents in the FMS, and a water heater, and two IR heaters in the DTMB Table VD11 presents a summary of all emission sources identified during this survey. Figures VD1, VD2 and VD3 show the location of these sources. The total HAP PTE calculated for all emission sources at this facility was 2.38E+00 TPY, while the calculated actual HAP emissions were 1.40E-01 TPY. The greenhouse gasses PTE was 2.39E+03 TPY, while the actual greenhouse gasses emissions totaled 8.58E+01 TPY. Emission totals can be found on Table VD12.

Washington Armory

The Washington facility is located at 550 Route 57 in Washington, New Jersey. The facility consists of one building; the Armory. A site visit was conducted on June 27, 2017 by Bill McBride, Hannah Buckley, and Hunter Davis. This survey includes the armory, and all outdoor spaces at the property. A total of six rooms in the armory were inaccessible on the day of the survey.

Fluorescent Light Ballast Survey

A total 269 light fixtures within the armory were surveyed. The survey found 24

inoperable light ballasts, 156 magnetic light ballasts, 63 electronic light ballasts, and 11 LED light. A total of 15 light ballasts were unreachable. There were no leaking light ballasts found within the armory building. Table WT1 contains a room by room summary of the fluorescent light ballast data collected during the survey. Figure WT1 presents the location of the fluorescent light ballasts at the facility.

Ozone Depleting Chemical Survey

The survey found 18 pieces of equipment that contain some type of refrigerant. Of the 18 pieces of equipment, eight contain a Class II ODC, specifically R22. All units containing R22 are AC units. The remainder of the refrigerants, specifically R134A, R404A, and R410A, are not considered ODCs by the USEPA. Class II ODCs are scheduled for complete phase out by 2020. The type, make, model, serial number, location, and amount of refrigerant for each ODC containing piece of equipment can be found on Table WN3. Figures WT1, WT2, and WT3 present the location of the ODC containing equipment at the facility.

Global Warming Potential Survey

Of the 18 identified refrigerants, one has a high GWP level. The refrigerant used is R404A, and can be found in an ice machine. Additionally, 17 have a medium GWP level. These refrigerants include R22, R134A, and R410A. These refrigerants can be found in 11 AC units, three drinking fountains, and three refrigeration units. R22 is a Class II ODC with medium GWP. The type, make, model, location, and serial number of each piece of equipment as well as the type and amount of refrigerants each contains may be found on Table WT3. Figures WT1, WT2 and WT3 present the location of GWP containing equipment at the facility.

Air Emissions Survey

All equipment and/or operations that are considered to be air pollution sources under EPA's AP-42 Compilation of Air Emissions Factors were documented. In total, six emission sources were identified. These include a boiler, hot water heater, and three storage tanks in the armory, and VOC-containing paints/solvents in the FMS. The permitted source includes the 2.5 MMBTU oil boiler in the armory. Table WT11 contains information regarding all emissions sources identified during this survey. Figures WT1, WT2 and WT3 show the location of these sources. The total HAP PTE calculated from all sources was 1.11E-01 TPY, while the actual HAP emissions total was 1.44E-02 TPY. The greenhouse gasses PTE was 4.59E-05 TPY while the actual greenhouse gasses emissions totaled 7.32E-03 TPY. Emission totals can be found on Table WT12.

West Orange Complex

The West Orange facility is located at 1315 Pleasant Valley Way in West Orange, New Jersey. The facility consists of two buildings; the Armory and a FMS. A site visit was conducted on July 20, 2017 by Anjelica McMahon, Devin Walker, Hannah Buckley, Rosalie Hood, Jon Mckinnon and Hunter Davis. This survey included the armory, CSMS1, CSMS2, the computer shop, and all outdoor spaces on the property. 44 rooms in the armory, five in CSMS1, and two in CSMS2 were inaccessible on the day of the survey.

Fluorescent Light Ballast Survey

A total of 372 fluorescent light fixtures within the armory were surveyed. The survey found 150 magnetic ballasts, 65 electronic ballasts, and 157 LED fixtures. A total of 120 fluorescent light fixtures within CSMS1 were surveyed. The survey found one electronic ballast, and 108 LED fixtures. No magnetic ballasts were identified. A total of 93 fluorescent light fixtures were identified within CSMS2. The survey found 91 LED fixtures. No magnetic or electronic ballasts were identified. A total of 59 fluorescent light fixtures were identified within the computer shop. The survey found 157 LED fixtures. No magnetic or electronic ballasts were identified. Additionally, no leaking or inoperable ballasts were identified in any of the buildings. Table WO1 contains a room-by-room summary of the fluorescent light ballast data collected during this survey. Figures WO1 and WO2 present the location of the fluorescent light ballasts at the facility.

Ozone Depleting Chemicals Survey

The survey found 23 pieces of equipment that contain some type of refrigerant. Of the 23 pieces of equipment, five contained Class I ODCs, specifically R12 and R13. Additionally, seven units contained Class II ODCs, specifically R22. The refrigerant in three units could not be identified. The remainder of the refrigerants, specifically R134A, R404A, and R410A, are not considered ODCs by the USEPA. The Class I ODCs were identified in three drinking fountains and a refrigeration unit in the armory, and a drinking fountain in the CF. Class II ODCs were identified in small AC units in the armory. Class I ODC's were mandated for complete phase out by 2005 and Class II ODC's are scheduled for complete phase out by 2020. The type, make, model, serial number, location and amount of refrigerant for these pieces of equipment can be found on Table WO1. Figures WO1, and WO2 present the location of ODC containing equipment at the facility.

Global Warming Potential Survey

Of the 20 identified refrigerants, six have a high GWP level. These refrigerants include R12, R13, and R404A. Additionally, 13 have a medium GWP level. These refrigerants include R22, R134A, and R410A. One refrigeration unit in the armory contained R12, a Class I ODC with high GWP. Three drinking fountains in the armory, and one in the CF,

contained R13, a Class I ODC with high GWP. Seven small AC units contained R22, a Class II ODC with medium GWP. The type, make, model, location, and serial number of each piece of equipment as well as the type and amount of refrigerants each contains may be found on Table WO3. Figures WO1, WO2, WO3, and WO4 present the location of GWP containing equipment at the facility.

Air Emissions Survey

All equipment and/or operations that are considered to be air pollution sources under EPA's AP-42 Compilation of Air Emissions Factors were documented. In total, 14 emissions sources were identified. These include two boilers in building 122, two boilers in CSMS2, two boilers and four space heaters in CSMS1, a boiler in the computer shop, a generator outside the armory, VOC-containing paints/solvents in the armory, and welding operations within CSMS 1 and CSMS2. Permitted sources include the two 4.89 MMBTU/hr boilers within building 122. Table WO11 presents a table of all emission sources identified during this survey. Figures WO1, WO2, WO3 and WO4 show the location of these sources. The total HAP PTE calculated for all emission sources at this facility was 5.07E+00 TPY, while the calculated actual HAP emissions was 1.71E-01 TPY. The total greenhouse gasses PTE was 6.87E+03 TPY, while actual greenhouse gasses emissions totaled 4.27E+02 TPY. Emission totals can be found on Table WO12.

Westfield Armory

The Westfield facility is located at 500 Rahway Avenue in Westfield, New Jersey. The facility consists of two buildings; the Armory and an OMS. A survey date was conducted on July 11, 2017 by Abbie Zorn, Hannah Buckley, and Hunter Davis. This survey included the armory, OMS, and all outdoor spaces on the property. A total of 13 rooms were inaccessible in the armory on the day of the survey.

Fluorescent Light Ballast Survey

A total of 424 light fixtures within the armory were surveyed. The survey found 23 inoperable light ballasts, one magnetic light ballast, and 391 electronic light ballasts in the armory. Additionally, nine light ballasts were unreachable. A total of 105 light fixtures within the OMS were surveyed. The survey found three inoperable light ballasts, and 102 electronic light ballasts in the OMS. No magnetic or unreachable ballasts were identified. There were zero LED or leaking light ballasts found at the facility in either building. WD1 contains a room by room summary of the fluorescent light ballast data collected during the survey. Figures WD1, WD2, WD3, and WD4 present the location of the fluorescent light ballasts at the facility.

Ozone Depleting Chemicals Survey

The survey found 46 pieces of equipment that contain some type refrigerant. Of the 46 pieces of equipment, 18 AC units contain Class II ODCs, specifically R22. These were all located within the armory. The refrigerant in nine units could not be identified. Class II ODCs are scheduled for complete phase out by 2020. The type, make, model, location, and serial number of each piece of equipment as well as the type and amount of refrigerants each contains may be found in Table WD3. Figures WD1, WD2, WD3, and WD4 present the location of the ODC-containing equipment at the facility.

Global Warming Potential Survey

Of the 46 pieces of equipment, 30 have a medium GWP level. These refrigerants include R22, R32, R134A, and R410A. They were found within small and large AC units, water coolers, drinking fountains, and refrigeration units in the armory, and a single refrigeration unit in the FMS. The type, make, model, location, and serial number of each piece of equipment as well as the type and amount of refrigerants each contains may be found on Table WD3. Figures WD1, WD2, WD3, and WD4 present the location of GWP-containing equipment at the facility.

Air Emissions Survey

All equipment and/or operations that are considered to be air pollution sources under EPA's AP-42 Compilation of Air Emissions Factors were documented. In total, six emission sources were documented. These include two boilers, and VOC-containing paints/solvents in the armory, a boiler in the FMS, a storage tank outside the armory, and a storage tank outside the FMS. The permitted sources include the two 2 MMBTU/hr natural gas boilers in the armory. Table WD11 presents a summary of all emission sources identified during the survey. Figures WD1, WD2, WD3, and WD4 show the location of these sources. The total HAP PTE calculated from all sources was 1.17E+00 TPY, while the actual HAP emissions total was 7.83E-02 TPY. The greenhouse gasses PTE was 1.50+E03 TPY, while the actual greenhouse gasses emissions totaled 1.07E+02 TPY. Emission totals can be found on Table WD12.

Woodbridge Armory

The Woodbridge facility is located at 625 Main Street in Woodbridge, New Jersey. The facility consists of one building; the Armory. A site visit was conducted on July 11, 2017 by Abbie Zorn, Hannah Buckley, and Hunter Davis. This survey included the armory and all outdoor spaces on the property. A total of 11 rooms were inaccessible on the day of the survey.

Fluorescent Light Ballast Survey

A total of 160 light fixtures at the facility were surveyed. The survey found one magnetic ballast, 40 electronic ballasts, and 113 LED fixtures. Six ballasts were unreachable. Additionally, no inoperable or leaking ballasts were identified. Table WE1 contains a room-by-room summary of the fluorescent light ballast data collected on July 11. Figure WE1 presents the location of the fluorescent light ballasts at the facility.

Ozone Depleting Chemical Survey

The Survey found 17 pieces of equipment that contain some type of refrigerant. Of the 17 pieces of equipment, eight contain Class II ODCs, specifically R22. The remainder of the refrigerants, specifically R134A, R404A, and R410A, are not considered ODCs by the USEPA. The Class II ODCs were identified in eight small AC units. Class II ODC's are scheduled for complete phase out by 2020. The type, make, model, serial number, location, and amount of refrigerant for each ODC containing piece of equipment can be found on Table WE3. Figure WE1 presents the location of the ODC containing equipment at the facility.

Global Warming Potential Survey

Of the 17 identified refrigerants, two have a high GWP level. This refrigerant in R404A. Additionally, 15 have a medium GWP. These refrigerants include R22, R134A, and R410A. Seven small AC units contained R22, a Class II ODC with medium GWP. The type, make, model, location, and serial number of each piece of equipment as well as the type and amount of refrigerants each contains may be found on WE3. Figure WE1 presents the location of the GWP containing equipment at the facility.

Air Emissions Survey

All equipment and/or operations that are considered to be air pollution sources under EPA's AP-42 Compilation of Air Emissions Factors were documented. In total, two emission sources were identified. These include two boilers. The permitted sources are the two 1.97 MMBTU/hr natural gas boilers in the armory. Table WE11 presents a summary of all emission sources identified during this survey. Figures WE1, WE2, and WE3 show the location of these sources. The total HAP PTE calculated from all sources was 7.44E-01 TPY, while the actual HAP emissions total was 2.48E-02 TPY. The total greenhouse gasses PTE was 2.03E+03 TPY, while the actual greenhouse gasses emissions totaled 6.74E+01 TPY. Emission totals can be found on Table WE12.

Woodbury Armory

The Woodbridge facility is located at 658 North Evergreen Avenue in Woodbury, New

Jersey. The facility consists of four buildings; the Armory, MVSB1, MVSB2, and MVSB3. A site visit was conducted on June 27, 2017 by Devin Walker, Rosalie Hood, and Jon McKinnon. This survey included the armory, MVSB1, MVSB2, MVSB3, and all outdoor spaces on the property. A total of seven rooms in the armory, and the only one in MVSB3, were inaccessible on the day of the survey.

Fluorescent Light Ballast Survey

A total of 335 fluorescent light fixtures within the armory were surveyed. The survey found 34 inoperable ballasts, 79 magnetic ballasts, and 212 electronic ballasts. Within MVSB1, 35 fluorescent light fixtures were surveyed. The survey found 35 electronic ballasts. No inoperable or magnetic ballasts were identified. Within MVSB2, 32 fluorescent light fixtures were surveyed. The survey found 32 electronic ballasts. No inoperable or magnetic ballasts were identified. Additionally, no leaking ballasts were recorded within any of the buildings. Table WY1 contains a room by room summary of fluorescent light ballast data collected. Figures WY1, WY2, WY3, and WY4 present the location of the fluorescent light ballasts at the facility.

Ozone Depleting Chemicals Survey

The survey found 23 pieces of equipment that contain some type of refrigerant. Of the 23 pieces of equipment, two contain Class I ODCs, specifically R12. Additionally, three contain Class II ODCs, specifically R22. The refrigerant in three units could not be identified. The remaining 18 pieces of equipment contain R134A, R404A, and R407C, which are not considered ODCs by the USEPA. R12 was found a water fountain and refrigeration unit. R22 was found in three small AC units. Class I ODC's were mandated for complete phase out by 2005 and Class II ODC's are scheduled for complete phase out by 2020.The type, make, model, location, and serial number of each piece of equipment as well as the type and amount of refrigerants each contains may be found in Table WY3. Figures WY1, and WY4 present the location of ODC containing equipment at the facility.

Global Warming Potential Survey

Of the 18 identified refrigerants, four have a high GWP level. These refrigerants include R12 and R404A. They can be found in two refrigeration units, an ice machine, and a drinking fountain. One drinking fountain and refrigeration unit contained R12, a Class I ODC with a high GWP. Additionally, 11 refrigerants have a medium GWP level. These refrigerants include R22, R134A, and R407C. These can be found in seven AC units, three refrigeration units, and a drinking fountain. Three AC units contained R22, a Class II ODC with medium GWP.The type, make, model, location, and serial number of each piece of equipment as well as the type and amount of refrigerants each contains may be found on Table WY3. Figures WY1, WY2, and WY3 present the location of GWP

containing equipment at the facility.

Air Emissions Survey

All equipment and/or operations that are considered to be air pollution sources under EPA's AP-42 Compilation of Air Emissions Factors were documented. In total, four emission sources were identified. This includes a boiler, parts washer, and VOC-containing paints/solvents in the armory, and a hot water heater in an unknown building. The permitted source includes the armory's 2.8 MMBTU/hr natural gas boiler. Table WY11 presents a summary of all emission sources identified during this survey. Figures WY1, WY2, and WY3 show the location of these sources. The total HAP PTE calculated for all emission sources at this facility was 1.48E+03 TPY, while the actual HAP emissions total was 5.98E+01 TPY. The greenhouse gasses PTE was 2.84E-02 TPY, while the actual greenhouse gasses emissions totaled 1.15E-03 TPY. Emission totals can be found on Table WY12.

Woodstown Armory

The Woodstown facility is located at 501 North Main Street in Woodstown, New Jersey. The facility consists of one building; the Armory. A site visit was conducted on June 21, 2017 by Devin Walker, Rosalie Hood, and Jon McKinnon. This survey included the armory and all outdoor spaces on the property. A total of three rooms were inaccessible on the day of the survey.

Fluorescent Light Ballast Survey

A total of 108 fluorescent light fixtures within the armory were surveyed. The survey found 10 inoperable light ballasts, 19 magnetic ballasts, and 69 electronic ballasts within the armory. Zero leaking ballasts were recorded within the building. Table WN1 contains a room by room summary of fluorescent light ballast data collected during the survey. Figure WN1 presents the location of the fluorescent light ballasts at the facility.

Ozone Depleting Chemicals Survey

The survey found 17 pieces of equipment that contain some type of refrigerant. Of the 17 pieces of equipment, five contain Class II ODCs, specifically R22. The refrigerant in one unit could not be identified. The remainder of the refrigerants, specifically R134A, R407C, and R438A, are not considered ODCs by the USEPA. Class II ODCs were identified in five small AC units. Class II ODCs are scheduled for complete phase out by 2020. The type, make, model, serial number, location and amount of refrigerant for these pieces of equipment can be found on Table WN3. Figures WN1 and WN2 present the location of ODC containing equipment at the facility.

Global Warming Potential Survey

All 16 of the identified refrigerants have a medium GWP level. These refrigerants include R22, R134A, R407C, and R438A. Five small AC units contained R22, a Class II ODC with medium GWP. The type, make, model, location, and serial number of each piece of equipment as well as the type and amount of refrigerants each contains may be found on Table WN3. Figures WN1 and WN2 present the location of GWP-containing equipment at the facility.

Air Emissions Survey

All equipment and/or operations that are considered to be air pollution sources under EPA's AP-42 Compilation of Air Emissions Factors were documented. In total, six emission sources were identified. These include two boilers, a heating unit, hot water heater, storage tank, and VOC-containing paints/solvents. Permitted sources include the two 4.2 MMBTU/hr oil boilers and the 1.25 MMBTU oil-consuming heating unit. Table WN11 presents a summary of all emission sources identified during this survey. Figures WN1 and WN2 show the location of these sources. The total HAP PTE calculated from all sources was 2.44E+00 TPY, while the actual HAP emissions totaled 3.21E-02 TPY. The greenhouse gasses PTE was 5.77E-02 TPY, while the actual greenhouse gasses emissions totaled 2.83E-04 TPY. Emission totals can be found on Table WN12.

4.0 Survey Recommendations

Atlantic City Armory

While all of the FMS and most of the armory were accessible at the time of the survey, three rooms in the armory were not. It is recommended that arrangements be made to gain access to those rooms to survey for any FLB, ODC, and/or other air emission sources.

Fluorescent Light Ballast Survey

While the FLB survey did not identify any leaking ballasts that would require immediate attention, the following actions are recommended:

- Determine the reason why two of the fluorescent fixtures in the armory are inoperable. These should be repaired and screened to determine if they use magnetic or electronic ballasts
- De-energize and disassemble at least 10 percent of the magnetic ballasts to determine if their labels display "No PCBs"

Ozone Depleting Chemicals Survey

The ODC survey identified 18 units containing Class II ODCs, all of which were small window air conditioning units. Class II ODCs are scheduled for complete phase out by 2020. R134A, RS-44b, R407C, and R290 are acceptable replacements for R22 in accordance with SNAP's Section 612c of the Clean Air Act. R134A, RS-44b, and R407C have medium GWP levels, and due to new restrictions could become unacceptable alternatives to use in the future. Therefore R290 is the recommended replacement for all 17 units currently containing R22. However, due to the fact that all R22-containing units were small AC units, another recommended action is to continue to utilize the units in their current state and condition until they fail, at which point they should be replaced with a higher efficiency unit containing refrigerant with a low GWP.

Global Warming Potential Survey

Of the 47 refrigerant-containing units identified during the survey, 45 are confirmed to have medium-high GWP. A best management practice recommended by the EPA includes replacing R134A, R404A, and R410A with R290 (Propane) or other hydrocarbon blends to increase efficiency and reduce GWP. R290 (Propane) is listed as an acceptable replacement in accordance with SNAP's Section 612c of the Clean Air Act. The recommended action is to either perform the necessary retrofits, or continue to utilize the units in their current state and condition until they fail, at which point they should be replaced with a higher efficiency unit containing refrigerant with a low GWP.

Air Emissions Survey

The emission sources identified during this survey are included in Table AY11. The locations of these emission sources are presented in Figures AY1, AY2, AY3, AY4, and AY5. Emission sources at the facility include a boiler, emergency generator, hot water heater, furnace, parts washer, and VOC-containing paints/solvents. The boiler, hot water heater, and furnace consumes natural gas. The generator consumes diesel fuel. Both the actual and PTE for facility wide emissions are presented on Table AY12.

The potential emissions for the facility do not exceed the Federal or the State "major source" threshold regulations. However, the armory boiler is a "significant source" as its heat input capacity exceeds 1 MMBTU/hr and does require a permit. The facility has a valid general permit (GP-018) to operate the boiler and it expires on April 22, 2022.

Therefore, the facility must do the following in order to maintain compliance:

- Monitor the General Permit expiration date (permit ID: GP-018). This permit expires on April 12th, 2022. A new permit should be obtained prior to the expiration date.
- The Armory's 5.6 MMBTU/hr boiler requires an annual combustion adjustment in order to meet the requirements of the Boiler Area Source Rule (40 CFR Part 63 Subpart JJJJJJ). The most recent combustion adjustment was on February 7, 2019.

The combustion process for this boiler will need to be adjusted annually in the same quarter of each calendar year.

- Ensure the emergency generator operation complies with NJAC 7:27. This can be found in section 1.1.4 of this report.
- Retrofit the 17 Class II ODC-containing AC units with an acceptable substitute.

The cost of the General Permit is $820 every five years. No other emission sources at this facility require a permit. The annual burner adjustments will cost $650 per year per facility. The estimated cost for a contractor to perform monthly visual checks is $260 per facility, or $3,120 annually.

Bordentown Warrior Transition Center

While most of the armory and OMS was accessible at the time of the survey, five rooms in the armory and two rooms in the OMS were not. It is recommended that arrangements be made to gain access to those rooms to survey for any FLB, ODC, and/or other air emission sources.

Fluorescent Light Ballast Survey

While the FLB survey did not identify any leaking ballasts that would require immediate attention, or magnetic ballasts, the following actions are recommended:

- Determine the reason why three of the fluorescent fixtures are inoperable. These should be repaired and screened to determine if they use magnetic or electronic ballasts

Ozone Depleting Chemicals Survey

The ODC survey did not identify any units containing Class I or Class II ODCs.

Global Warming Potential Survey

Of the 13 refrigerant-containing units identified during the survey, 11 are confirmed to have medium-high GWO. A best management practice recommended by the EPA includes replacing R134A, R404A, and R410A with lower GWP refrigerants that are compatible with the equipment in use. R290 and other hydrocarbon blends may be potential substitute options. R290 (Propane) is listed as an acceptable replacement in accordance with SNAP's Section 612c of the Clean Air Act.

Air Emissions Survey

The emission sources identified during this survey are included in Table BT11. The locations of these emission sources are presented on figures BT1 and BT2. Emission sources at the facility include a boiler, emergency generator, and a hot water heater. The boiler, hot water heater, and furnace consumes natural gas while the generator burns diesel. Both the actual and PTE for individual sources and facility wide emissions

are presented on Tables 2-2.

The potential emissions for the facility do not exceed the Federal or the State “major source” threshold regulations. However, the Armory boiler is a “significant source” as its heat input capacity is 1 MMBTU/hr and does require a permit. The facility has a valid general permit (GP-017) to operate the boiler and it expires on May 7th, 2020.

Therefore, the facility must do the following in order to maintain compliance:

- Monitor the General Permit expiration date (permit ID: GP-017). This permit expires on May 7th, 2020. A new permit should be obtained prior to the expiration date.

- Though the USPFO has no boilers or generators that require combustion adjustments to be performed annually, it is recommended that all boilers and generators >1 MMBTU/hr receive combustion adjustments annually.

The cost of the General Permit is $820 every five years. No other emission sources at this facility require a permit. The estimated cost for a contractor to perform monthly visual checks is $260 per facility, or $3,120 annually.

Bridgeton Armory

All rooms in the armory and installation storage were accessible at the time of the survey.

Fluorescent Light Ballast Survey

While the FLB survey did not identify any leaking ballasts that would require immediate attention, the following actions are recommended:

- Determine the reason why five fluorescent fixtures in the armory and one in installation storage are inoperable. These should be repaired and screened to determine if they use magnetic or electronic ballasts.

- De-energize and disassemble at least 10 percent of the magnetic ballasts to determine if they labels display “No PCBs”

Ozone Depleting Chemicals Survey

The ODC survey identified 4 Class II ODCs. Class II ODCs are scheduled for complete phase out by 2020. R134A, RS-44b, R407C, and R290 are acceptable replacements for R22 in accordance with SNAP’s Section 612c of the Clean Air Act. R134A, RS-44b, and R407C have medium GWP levels, and due to new restrictions could become

unacceptable alternatives to use in the future. Therefore R290 is the recommended replacement for all four units currently containing R22. The four large rooftop AC units using R22 should be retrofitted with R290.

Global Warming Potential Survey

Of the six refrigerant-containing units identified during the survey, four are confirmed to have medium GWP. A best management practice recommended by the EPA includes replacing R22 with R290 (Propane) or RS-44b to increase efficiency and reduce GWP. R290 (Propane) and RS-44b are listed as acceptable replacements in accordance with SNAP's Section 612C of the Clean Air Act. The recommended action is to retrofit the large outdoor and rooftop AC units with R290 or another acceptable replacement refrigerant.

Air Emissions Survey

The emission sources identified during this survey are included in Table BN11. The locations of these emission sources are presented on Figures BN1, BN2, BN3. Emission sources at the facility include four air heaters. Three heaters consume natural gas while the other consumes propane. Both the actual and PTE for facility wide emissions are presented on Table BN12.

The potential emissions for the facility do not exceed the Federal or State "major source" threshold regulations. Additionally, no units are considered a "significant source".

Therefore, the facility must do the following in order to maintain compliance:

- Retrofit the four Class II ODC-containing AC units with an acceptable substitute.

The estimated cost for a contractor to perform monthly visual checks is $260 per facility, or $3,120 annually.

Cape May Armory

While all rooms in the FMS, and most rooms in the armory, were accessible at the time of the survey, three rooms in the armory were not. It is recommended that arrangements be made to gain access to those rooms to survey for any FLB, ODC, and/or other air emission sources.

Fluorescent Light Ballast Survey

While the FLB survey did not identify any leaking ballasts that would require immediate attention, the following actions are recommended:

- Determine the reason why five fluorescent fixtures in the armory are inoperable. These should be repaired and screened to determine if they use magnetic or electronic ballasts
- De-energize and disassemble at least 10 percent of the magnetic ballasts to determine if their labels display “no PCBs”.

Ozone Depleting Chemical Survey

The ODC survey identified one Class I ODC located in a water fountain unit in the FMS, two Class II ODC’s located in large air conditioning units outside the FMS, one potential Class II ODC located in a recovery unit in the DTMB, and ten Class II ODC’s located in split units, large air conditioning units, and small air conditioning units. The recommended action is to replace the FMS water fountain containing the Class I ODC with a bottle filling station containing refrigerant with a non-ODC and low GWP refrigerant. Additional recommendations include replacing the Class II ODC’s in all split units and large air conditioning units with R290 or RS-44b, acceptable substitutes according to SNAP’s Section 612C of the Clean Air Act. The small air conditioning units containing Class II ODC’s should be used until they fail, then replaced with higher efficiency units with non-ODC low GWP refrigerants.

Global Warming Potential Survey

All 21 refrigerant-containing units identified during the survey are confirmed to have medium-high GWP. A best management practice recommended by the EPA includes replacing R134A, R404A, and R410A with R290 (Propane) or other hydrocarbon blends to increase efficiency and reduce GWP. R290 (Propane) is listed as an acceptable replacement for these refrigerants in accordance with SNAP’s Section 612c of the Clean Air Act.

Air Emissions Survey

The Cape May facility has several emission sources as listed on Table CY11, while their locations are presented in Figures CY1, CY2, CY3, and CY4. Emission sources at the facility include two boilers, a hot water heater, two furnaces, two IR heaters, two storage tanks, a parts washer, and VOC-containing paints/solvents. The boilers, hot water heater, furnaces, and IR heaters consume natural gas. The FMS storage tank stores heating oil, while the armory storage tank stores fuel oil. Both the actual and PTE for facility wide emissions are presented on Table CY12.

The potential emissions for the facility do not exceed the Federal or the State “major source” threshold regulations. However, the Armory boilers are “significant sources” as each of their heat input capacities exceed 1 MMBTU/hr and require a permit. The facility has a valid general permit (GP-017) to operate the boilers which expires on May 20th, 2021.

Therefore, the facility must do the following in order to maintain compliance:

- Monitor the General Permit expiration dates (permit ID: GP-017). The GP-017

permit expires on May 20th, 2021. A new permit should be obtained prior to the expiration date.

- Though the USPFO has no boilers or generators that require combustion adjustments to be performed annually, it is recommended that all boilers and generators >1 MMBTU/hr receive combustion adjustments annually.
- Retrofit the Class I ODC-containing water fountain in the FMS with an acceptable substitute
- Retrofit the Class II ODC-containing AC and split units with an acceptable substitute.

The cost of the General Permit is $820 every five years. No other emission sources at this facility require a permit. The estimated cost for a contractor to perform monthly visual checks is $260 per facility, or $3,120 annually.

Cherry Hill Armory

While all rooms in the FMS, and most rooms in the armory, were accessible at the time of the survey, three rooms in the armory were not. It is recommended that arrangements be made to gain access to those rooms to survey for any FLB, ODC, and/or other air emission sources.

Fluorescent Light Ballast Survey

While the FLB survey did not identify any leaking ballasts that would require immediate attention, the following actions are recommended:

- Determine the reason why 75 fluorescent fixtures in the armory and 10 fluorescent fixtures in the FMS were inoperable. These should be repaired and screened to determine if they use magnetic or electronic ballasts
- De-energize and disassemble at least 10 percent of the magnetic ballasts to determine if their labels display “No PCBs”

Ozone Depleting Chemical Survey

The ODC survey identified 1 unit containing a Class I ODC, and 10 units containing Class II ODCs. Class I ODC’s were scheduled to be phased out by 2005. For this reason, it is recommended that the R12 contained within the dehumidifier be replaced with R290, an acceptable replacement according to SNAP’s Section 612C of the Clean Air Act. An alternative solution would be to replace the entire unit with a newer more efficient model containing a non-ODC low GWP refrigerant. Class II ODCs are scheduled for complete phase out by 2020. R134A, RS-44b, R407C, and R290 are acceptable replacements for R22 in accordance with SNAP’s Section 612c of the Clean Air Act. R134A, RS-44b, and R407C have medium GWP levels, and due to new restrictions could become unacceptable alternatives to use in the future. Therefore R290 is the recommended replacement for all 10 units currently containing R22.

Global Warming Potential Survey

Of the 26 refrigerant-containing units identified during the survey, 23 are confirmed to have medium-high GWP. A best management practice recommended by the EPA includes replacing R134A, R404A, and R410A with R290 (Propane) or other hydrocarbon blends to increase efficiency and reduce GWP. R290 (Propane) is listed as an acceptable replacement in accordance with SNAP's Section 612c of the Clean Air Act. The recommended action is to either replace all high-medium GPW refrigerants with R290, or continue to use these small units until they fail, at which point they should be replaced with newer more efficient units containing refrigerants with low GWP.

Air Emissions Survey

The emission sources identified during this survey are included in Table CL11. The locations of these emission sources are presented on figures CL1, CL2, CL3. Emission sources at the facility include three boilers, a storage tank, and VOC-containing paints/solvents. The boilers consume natural gas while the storage tank stores oil. Both the actual and PTE for facility wide emissions are presented on Table CL12.

The potential emissions for the facility do not exceed the Federal or the State "major source" threshold regulations. However, the Armory boilers are "significant sources" as each of their heat input capacities exceed 1 MMBTU/hr and do require a permit. The facility has a valid general permit (GP-017A) to operate the boilers and it expires on August 16th, 2022.

Therefore, the facility must do the following in order to maintain compliance:

- Monitor the General Permit expiration dates (permit ID: GP-017A). The permit expires on August 16th, 2022. A new permit should be obtained prior to the expiration date.
- Though the USPFO has no boilers or generators that require combustion adjustments to be performed annually, it is recommended that all boilers and generators >1 MMBTU/hr receive combustion adjustments annually.
- Retrofit the Class I ODC-containing dehumidifier in the armory with an acceptable substitute.
- Retrofit the 10 Class II ODC-containing AC units and dehumidifier with an acceptable substitute.

The cost of the General Permit is $820 every five years. No other emission sources at this facility require a permit. The estimated cost for a contractor to perform monthly visual checks is $260 per facility, or $3,120 annually.

Dover Armory

While all rooms in the OMS, and most rooms in the armory, were accessible at the time of the survey, eight rooms in the armory were not. It is recommended that

arrangements be made to gain access to those rooms to survey for any FLB, ODC, and/or other air emission sources.

Fluorescent Light Ballast Survey

While the FLB survey did not identify any leaking ballasts that would require immediate attention, the following actions are recommended:

- Determine the reason why 35 fluorescent fixtures in the armory and 12 in the FMS were inoperable. These should be repaired and screened to determine if they use magnetic or electronic ballasts
- De-energize and disassemble at least 10 percent of the magnetic ballasts to determine if their labels display “No PCBs”

Ozone Depleting Chemical Survey

The ODC survey identified 1 unit containing a Class I ODC, and 6 units containing Class II ODC’s. Class I ODCs should have been phased out by 2005, and Class II ODCs are scheduled for a complete phase out by 2020. R134A, RS-44b, R407C, and R290 are acceptable replacements for R12 and R22 in accordance with SNAP’s Section 612c of the Clean Air Act. R134A, RS-44b, and R407C have medium GWP levels, and due to new restrictions could become unacceptable alternatives to use in the future. Therefore R290 is the recommended replacement for all 7 units currently containing R12 or R22. The R12 in the Class I containing refrigeration unit should be replaced, or the entire unit removed and properly disposed of. All Class II ODC containing units were small window AC units. If replacing the refrigerant in all 6 of these units is not cost effective, another recommended action is to continue to utilize the units in their current state and condition until they fail, at which point they should be replaced with a higher efficiency unit containing refrigerant with a low GWP.

Global Warming Potential Survey

Of the 27 refrigerant-containing units identified during the survey, 24 are confirmed to have medium-high GWP. A best management practice recommended by the EPA includes replacing R134A, R404A, and R410A with R290 (Propane) or other hydrocarbon blends to increase efficiency and reduce GWP. R290 (Propane) is listed as an acceptable replacement in accordance with SNAP’s Section 612c of the Clean Air Act. The recommended action is to either perform the necessary retrofits, or continue to utilize the units in their current state and condition until they fail, at which point they should be replaced with a higher efficiency unit containing refrigerant with a low GWP.

Air Emissions Survey

The emission sources identified during this survey are included in Table DR11. The locations of these emission sources are presented in Figures DR1, DR2, DR3. Emission sources at the facility include two boilers, three furnaces, two storage tanks, a parts washer, welding operations, and VOC-containing paints/solvents. The boilers and furnaces consume natural gas. The armory storage tank stores propane while the FMS storage tank stores oil. Both the actual and PTE for facility wide emissions are presented on Table DR12.

The potential emissions for the facility do not exceed the Federal or the State "major source" threshold regulations. However, the Armory boilers are "significant sources" as each of their heat input capacities exceed 1 MMBTU/hr and do require a permit. The facility has a valid general permit (GP-017A) to operate the boilers and it expires on April 5th, 2022.

Therefore, the facility must do the following in order to maintain compliance:

- Monitor the General Permit expiration dates (permit ID: GP-017A). The permit expires on April 5th, 2022. A new permit should be obtained prior to the expiration date.
- Though the USPFO has no boilers or generators that require combustion adjustments to be performed annually, it is recommended that all boilers and generators >1 MMBTU/hr receive combustion adjustments annually.
- Retrofit the Class I ODC-containing refrigerator in the armory with an acceptable substitute.
- Retrofit the 9 Class II ODC-containing AC units with an acceptable substitute.

The cost of the General Permit is $820 every five years. No other emission sources at this facility require a permit. The estimated cost for a contractor to perform monthly visual checks is $260 per facility, or $3,120 annually.

Flemington Armory

While all rooms in the MSVB, and most rooms in the armory, were accessible at the time of the survey, two rooms in the armory were not. It is recommended that arrangements be made to gain access to those rooms to survey for any FLB, ODC, and/or other air emission sources.

Fluorescent Light Ballast Survey

While the FLB survey did not identify any leaking ballasts that would require immediate attention, the following actions are recommended:

- Determine the reason why 7 fluorescent fixtures in the MVSB were inoperable. These should be repaired and screened to determine if they use magnetic or electronic ballasts
- De-energize and disassemble the one magnetic ballast in the MVSB to determine if its label displays “No PCBs”

Ozone Depleting Chemical Survey

The ODC survey identified 1 unit containing a Class I ODC, and 2 units containing Class II ODCs. Class I ODCs should have been phased out by 2005, and Class II ODCs are scheduled for a complete phase out by 2020. R134A, RS-44b, R407C, and R290 are acceptable replacements for R12 and R22 in accordance with SNAP’s Section 612c of the Clean Air Act. R134A, RS-44b, and R407C have medium GWP levels, and due to new restrictions could become unacceptable alternatives to use in the future. Therefore R290 is the recommended replacement for all 3 units currently containing R12 or R22. The R12 containing refrigeration unit should be retrofitted with R290, or the entire unit removed and properly disposed of. The large outdoor and rooftop AC units using R22 should be retrofitted with R290.

Global Warming Potential Survey

All 10 refrigerant containing units identified during the survey have medium-high GWP. A best management practice recommended by the EPA includes replacing R134A, R404A, and R410A with R290 (Propane) or other hydrocarbon blends to increase efficiency and reduce GWP. R290 is listed as an acceptable replacement in accordance with SNAP’s Section 612c of the Clean Air Act. The recommended action is to retrofit the large outdoor and rooftop AC units with R290 or another acceptable replacement refrigerant. The recommended action for the refrigerators, ice machines, water coolers, and small window AC units is to either perform the necessary retrofits, or continue to utilize the units in their current state and condition until they fail, at which point they should be replaced with a higher efficiency unit containing refrigerant with a low GWP.

Air Emissions Survey

The emission sources identified during this survey are included in Table DR11. The locations of these emission sources are presented in figure FL1. Emission sources at the facility include a boiler, hot water heater, furnace, and VOC-containing paints/solvents. The boiler, hot water heater, and furnace consume oil. Both the actual and PTE for facility wide emissions are presented in Table FL12.

The potential emissions for the facility do not exceed the Federal or the State “major source” threshold regulations. However, the Armory boiler is a “significant source” as the heat input capacity exceeds 1 MMBTU/hr and does require a permit. The facility has a valid general permit (GP-017A) to operate the boilers and it expires on April 21st, 2022.

Therefore, the facility must do the following in order to maintain compliance:

- Monitor the General Permit expiration date (permit ID: GP-017A). This permit expires on April 21th, 2022. A new permit should be obtained prior to the expiration date.
- The armory’s 3.5MMBTU/hr oil burning boiler requires a combustion adjustment every 5 years in order to meet the requirements of the Boiler Area Source Rule (40 CFR Part 63 Subpart JJJJJJ). The most recent combustion adjustment was on January 31, 2019. The combustion process for this boiler will need to be adjusted once every 5 years. However as a best management practice it is recommended that all boilers >1MMBTU/hr receive combustion adjustments annually.
- Retrofit the Class I ODC-containing refrigerator in the armory with an acceptable substitute.
- Retrofit the two Class II ODC-containing AC units with an acceptable substitute.

The cost of the General Permit is $820 every five years. No other emission sources at this facility require a permit. The annual burner adjustments will cost $650 per year. The estimated cost for a contractor to perform monthly visual checks is $260 per facility, or $3,120 annually.

Fort Dix JFHQ Complex

While all rooms in building 3651 and most rooms in building 3650 were accessible at the time of the survey, eight rooms in building 3650 were not. It is recommended that arrangements be made to gain access to those rooms to survey for any FLB, ODC, and/or other air emission sources.

Fluorescent Light Ballast Survey

While the FLB survey did not identify any leaking ballasts that would require immediate attention, the following actions are recommended:

- Determine the reason why 12 fluorescent fixtures in building 3650 were inoperable. These should be repaired and screened to determine if they use magnetic or electronic ballasts
- De-energize and disassemble at least 10 percent of the magnetic ballasts to

determine if their labels display “No PCBs”

Ozone Depleting Chemicals Survey

The ODC survey identified three units containing Class I ODCs, and 19 units containing Class II ODCs. Class I ODCs should have been phased out by 2005, and Class II ODCs are scheduled for complete phase out by 2020. R134A, RS-44b, R407C, and R290 are acceptable replacements for R22 in accordance with SNAP’s Section 612c of the Clean Air Act. R134A, RS-44b, and R407C have medium GWP levels, and due to new restrictions could become unacceptable alternatives to use in the future. Therefore, R290 is the recommended replacement for all 22 units currently containing R12 or R22. The two R12-containing refrigeration units and one cooling counter should be retrofitted with R290, or entirely removed and properly disposed of. The large outdoor and rooftop AC units using R22 should be retrofitted with R290.

Global Warming Potential Survey

Of the 105 refrigerant-containing units identified during the survey, 82 are confirmed to have medium-high GWP. A best management practice recommended by the EPA includes replacing R134A, R404A, and R410A with R290 (Propane) or other hydrocarbon blends to increase efficiency and reduce GWP. R290 is listed as an acceptable replacement in accordance with SNAP’s Section 612c of the Clean Air Act. The recommended action is to retrofit the large outdoor and rooftop AC units with R290 or another acceptable replacement refrigerant. The recommended action for the refrigerators, ice machines, water coolers, and small window AC units is to either perform the necessary retrofits, or continue to utilize the units in their current state and condition until they fail, at which point they should be replaced with a higher efficiency unit containing refrigerant with a low GWP.

Air Emissions Survey

The emission sources identified during this survey are included in Table FX11. The locations of these emission sources are presented in Figure FX1. Emission sources at the facility include eight boilers, four hot water heaters, four space heaters, an emergency generator, welding operations, and VOC-containing paints/solvents. All boilers, hot water heaters, and space heaters consume natural gas. The emergency generator consumes diesel. Both the actual and PTE for facility-wide emissions are presented in Table FX12.

The potential emissions for the facility exceed the Federal or the State “major source” threshold regulations. NJAC 7:27-8.1 defines “major sources” as sites that have total potential HAP emissions exceeding 25 tons per year, or potential NOx emissions exceeding 100 tons per year. The facility’s potential HAP emissions total to 25.2 tons per year, and potential NOx emissions total to 145 tons per year. All of the facility’s boilers are “significant sources” as their heat input capacities each exceed 1 MMBTU/hr and do require a permit. The facility has a valid general permit (GP-017A) to operate their boilers and it expires on December 12, 2022. The emergency generator is a significant source as its heat input capacity exceeds 5 MMBTU/hr. The facility has a

valid general permit (GP-005A) for the generator and it expires on August 22, 2021.

Therefore, the facility must do the following in order to remain compliance:

- Monitor the General Permit expiration dates (permit IDs: GP-017A and GP-005A). Permit GP-017A expires on December 22, 2022 while permit GP-005A expires on August 22, 2021. New permits should be obtained prior to their respective expiration dates.
- Though the site has no boilers or generators that require combustion adjustments to be performed annually, it is recommended that all boilers and generators >1 MMBTU/hr receive combustion adjustments annually.
- Ensure the emergency generator operation complies with NJAC 7:27. This can be found in section 1.1.4 if this report.
- Retrofit the two Class I ODC-containing refrigeration units in building 3601 and cooling counter in building 3600 with an acceptable substitute.
- Retrofit the 19 Class II ODC-containing AC units with an acceptable substitute.

The cost of the General Permit is $820 every five years. No other emission sources at this facility require a permit. The annual burner adjustments will cost $650 per year. The estimated cost for a contractor to perform monthly visual checks is $260 per facility, or $3,120 annually.

Franklin Armory

While most of the armory was accessible at the time of the survey, three rooms were not. It is recommended that arrangements be made to gain access to those rooms to survey for any FLB, ODC, and/or other air emission sources.

Fluorescent Light Ballast Survey

While the FLB survey did not identify any leaking ballasts that would require immediate attention, or any inoperable fluorescent fixtures, the following actions are recommended:

- De-energize and disassemble the four magnetic ballasts to determine if the labels display “No PCBs”

Ozone Depleting Chemicals Survey

The ODC survey identified five units containing Class II ODCs. Class II ODCs are scheduled for complete phase out by 2020. R134A, RS-44b, R407C, and R290 are acceptable replacements for R22 in accordance with SNAP’s Section 612c of the Clean Air Act. R134A, RS-44b, and R407C have medium GWP levels, and due to new restrictions could become unacceptable alternatives to use in the future. Therefore, R290 is the recommended for all five units currently containing R22. However, due to

the fact that all R22 containing units were small AC units, another recommended action is to continue to utilize the units in their current state and condition until they fail, at which point they should be replaced with a higher efficiency unit containing refrigerant with a low GWP.

Global Warming Potential Survey

All seven of the refrigerant-containing units identified during the survey are confirmed to have medium-high GWP. A best management practice recommended by the EPA includes replacing R134A, R404A, and R410A with R290 (Propane) or other hydrocarbon blends to increase efficiency and reduce GWP. R290 is listed as an acceptable replacement in accordance with SNAP's Section 612c of the Clean Air Act. The recommended action is to either perform the necessary retrofits, or continue to utilize the units in their current state and condition until they fail, at which point they should be replaced with a higher efficiency unit containing refrigerant with a low GWP.

Air Emissions Survey

The emission sources identified during this survey are included in Table FRN11. The locations of these emission sources are present in figure FRN1. Emission sources at the facility include a boiler, and a storage tank. The facility's boiler consumes oil, while the storage tank stores oil.

The potential emissions for the facility do not exceed the Federal or the State "major source" threshold regulations. However, the armory boiler is a "significant source" as the heat input capacity is over 1 MMBTU/hr and requires a permit. The facility has a valid general permit (GP-017A) to operate the boiler and it expires on April 21st, 2022.

Therefore, the facility must do the following to maintain compliance:

- Monitor the General Permit expiration date (permit ID: GP-017A). This permit expires on April 21st, 2022. A new permit should be obtained prior to the expiration date.
- The Armory's 3.15 MMBTU/hr boiler requires a combustion adjustment in order to meet the requirements of the Boiler Area Source Rule (40 CFR Part 63 Subpart JJJJJJ). The most recent combustion adjustment was on February 6th, 2019 and will expire on February 6th, 2020. A new combustion adjustment must be conducted prior to the expiration date.
- Retrofit the five Class II ODC-containing AC units with an acceptable substitute

The cost of the General Permit is $820 every five years. No other emission sources at this facility require a permit. The annual burner adjustments will cost $650 per year per facility. The estimated cost for a contractor to perform monthly visual checks is $260 per facility, or $3,120 annually.

Freehold Armory

While most rooms in the armory were accessible at the time of the survey, two rooms were not. It is recommended that arrangements be made to gain access to those rooms to survey for any FLB, ODC, and/or other air emissions sources.

Fluorescent Light Ballast Survey

While the FLB did not identify any leaking ballasts that would require immediate attention, the following actions are recommended:

- Determine the reason why 11 fluorescent fixtures in the armory were inoperable. These should be repaired and screened to determine if they use magnetic or electronic ballasts.
- De-energize and disassemble the six magnetic ballasts to determine if the labels display “No PCBs”

Ozone Depleting Chemicals Survey

The ODC survey identified one unit containing a Class I ODC, and nine units containing Class II ODCs. Class I ODCs should have been phased out by 2005, and Class II ODCs are scheduled for a complete phase out by 2020. R134A, RS-44b, R407C, and R290 are acceptable replacements for R12 and R22 in accordance with SNAP’s Section 612c of the Clean Air Act. R134A, RS-44b, and R407C have medium GWP levels, and due to new restrictions could become unacceptable alternatives to use in the future. Therefore, R290 is the recommended replacement for all 10 units currently containing R12 or R22. The R12-containing water fountain should be retrofitted with R290, or the entire unit removed and properly disposed of. For R22-containing units, due to the fact that all are small AC units, another recommended action is to continue to utilize the units in their current state and condition until they fail, at which point they should be replaced with a higher efficiency unit containing refrigerant with a low GWP.

Global Warming Potential Survey

Of the 22 refrigerant-containing units identified during the survey, 18 are confirmed to have medium-high GWP. A best management practice recommended by the EPA includes replacing R134A, R404A, and R410A with R290 (Propane) or other hydrocarbon blends to increase efficiency and reduce GWP. R290 is listed as an acceptable replacement in accordance with SNAP’s Section 612c of the Clean Air Act. The recommended action is to retrofit the large outdoor and rooftop AC units with R290 or another acceptable replacement refrigerant. The recommended action for the refrigerators, ice machines, water coolers, and small window AC units is to either perform the necessary retrofits, or continue to utilize the units in their current state and condition until they fail, at which point they should be replaced with a higher efficiency unit containing refrigerant with a low GWP.

Air Emissions Survey

The emission sources identified during this survey are included in Table FD11. The locations of these emissions sources are presented in figure FD1. Emission sources at the facility include a boiler, water heater, storage tank, and VOC-containing paints/solvents. The boiler and water heater consume oil. The storage tank stores oil.

Both the actual and PTE for facility-wide emissions are presented in Table FD12.

The potential emissions for the facility do not exceed the Federal or the State “major source” threshold regulations. However, the Armory boiler and hot water heater are a “significant source” as their heat input capacity is over 1 MMBTU/hr and require a permit. The facility has a valid general permit (GP-017A) to operate the boiler and hot water heater and it expires on May 3rd, 2022.

Therefore, the facility must do the following to maintain compliance:

- Monitor the General Permit expiration date (permit ID: GP-017A). This permit expires on May 3rd, 2022. A new permit should be obtained prior to the expiration date.
- The Armory’s 1.9 MMBTU/hr boiler and 1.825 MMBTU/hr hot water heater require combustion adjustments in order to meet the requirements of the Boiler Area Source Rule (40 CFR Part 63 Subpart JJJJJJ). The most recent combustion adjustment was on February 13, 2019 and will expire on February 13, 2020. A new combustion adjustment must be conducted prior to the expiration date.
- Retrofit the Class I ODC-containing water fountain with an acceptable substitute.
- Retrofit the nine Class II ODC-containing AC units with an acceptable substitute.

The estimated cost for the boiler permit is $820 every five years. No other emission sources at this facility require a permit. The annual burner adjustments will cost $650 per year per facility. The estimated cost for a contractor to perform monthly visual checks is $260 per facility, or $3,120 annually.

Hackettstown Armory

All rooms in the armory were accessible during the time of the survey.

Fluorescent Light Ballast Survey

While the FLB survey did not identify any leaking ballasts that would require immediate attention, the following actions are recommended:

- Determine the reason why 77 fluorescent fixtures in the armory were inoperable. These should be repaired and screened to determine if they use magnetic or electronic ballasts.
- De-energize and disassemble at least 10 percent of the magnetic ballasts to determine if their labels display “No PCBs”

Ozone Depleting Chemicals Survey

The ODC survey identified four units containing Class I ODCs. Class I ODCs should have been phased out by 2005. R290 is an acceptable replacement for R12 in

accordance with SNAP's Section 612c of the Clean Air Act. Therefore, the two refrigeration units and two water fountains containing R12 should be retrofitted with R290, or entirely removed and properly disposed of.

Global Warming Potential Survey

All nine refrigerant-containing units identified during the survey are confirmed to have medium-high GWP. A best management practice recommended by the EPA includes replacing R134A, R404A, and R410A with R290 (Propane) or other hydrocarbon blends to increase efficiency and reduce GWP. R290 is listed as an acceptable replacement in accordance with SNAP's Section 612c of the Clean Air Act. The recommended action for the refrigerators, ice machines, water coolers, and small window AC units is to either perform the necessary retrofits, or continue to utilize the units in their current state and condition until they fail, at which point they should be replaced with a higher efficiency unit containing refrigerant with a low GWP.

Air Emissions Survey

The emission sources identified during this survey are included in Table HN11. The locations of these emission sources are presented in figure HN1. Emission sources at the facility include a boiler, hot water heater, furnace, underground storage tank, above ground storage tank, propane tank, VOC-containing paints/solvents, and two parts washers. The boiler, hot water heater, and furnace consume oil. Both the underground and aboveground storage tanks store oil. The two parts washers consume petroleum distillate and 2-butoxyethanol.

The potential emissions for the facility do not exceed the Federal or the State "major source" threshold regulations. However, the Armory boiler is a "significant source" as the heat input capacity is over 1 MMBTU/hr and requires a permit. The facility has a valid general permit (GP-017A) to operate the boiler and it expires on April 22, 2022.

Therefore, the facility must do the following to maintain compliance:

- Monitor the General Permit expiration date (permit ID: GP-017A). This permit expires on April 21st, 2022. A new permit should be obtained prior to the expiration date.
- The Armory's 1.96 MMBTU/hr boiler requires a combustion adjustment in order to meet the requirements of the Boiler Area Source Rule (40 CFR Part 63 Subpart JJJJJJ). The most recent combustion adjustment was on February 14th, 2019 and will expire February 14, 2020. A new combustion adjustment must be conducted prior to the expiration date.
- Retrofit the four Class I ODC-containing units with an acceptable substitute.

The cost of the General Permit is $820 every five years. No other emission sources at this facility require a permit. The annual burner adjustments will cost $650 per year per facility. The estimated cost for a contractor to perform monthly visual checks is $260 per facility, or $3,120 annually.

Hammonton Armory

While all rooms in the OMS and most rooms in the armory were accessible at the time of the survey, four rooms in the armory were not. It is recommended that arrangements be made to gain access to those rooms to survey for any FLB, ODC, and/or other air emission sources.

Fluorescent Light Ballast Survey

While the FLB survey did not identify any leaking ballasts that would require immediate attention, the following actions are recommended:

- Determine why one fluorescent fixture in the armory was inoperable. This should be repaired and screened to determine if it uses a magnetic or electronic ballast.
- De-energize and disassemble the five magnetic ballasts to determine if their labels display “No PCBs”

Ozone Depleting Chemicals Survey

The ODC survey identified 10 units containing Class II ODCs. Class II ODCs are scheduled for complete phase out by 2020. R134A, RS-44b, R407C, and R290 are acceptable replacements for R22 in accordance with SNAP’s Section 612c of the Clean Air Act. R134A, RS-44b, and R407C have medium GWP levels, and due to new restrictions could become unacceptable alternatives to use in the future. Therefore, R290 is the recommended replacement for all 10 units currently containing R22. However, due to the fact that all R22 containing units were small AC units, another recommended action is to continue to utilize the units in their current state and condition until they fail, at which point they should be replaced with a higher efficiency unit containing refrigerant with a low GWP.

Global Warming Potential Survey

Of the 16 refrigerant-containing units identified during the survey, 14 are confirmed to have medium-high GWP. A best management practice recommended by the EPA includes replacing R134A, R404A, and R410A with R290 (Propane) or other hydrocarbon blends to increase efficiency and reduce GWP. R290 is listed as an acceptable replacement in accordance with SNAP’s Section 612c of the Clean Air Act. The recommended action is to either perform the necessary retrofits, or continue to utilize the units in their current state and condition until they fail, at which point they should be replaced with a higher efficiency unit containing refrigerant with a low GWP.

Air Emissions Survey

The emission sources identified during this survey are included in table HA11. The locations of these emission sources are presented in figure HA1. Emission sources at the facility include three heaters, a boiler, and VOC-containing paints/solvents. The three heaters and the boiler all consume natural gas. Both the actual and PTE for facility wide emissions are presented on Table HA12.

The potential emissions for the facility do not exceed the Federal or the State “major source” threshold regulations. However, the Armory boiler is a “significant source” as the heat input capacity is over 1 MMBTU/hr and requires a permit. The facility has a valid general permit (GP-017A) to operate the boiler and it expires on February 1st, 2023.

Therefore, the facility must do the following to maintain compliance:

- Monitor the General Permit expiration date (permit ID: GP-017A). This permit expires on February 1st, 2023. A new permit should be obtained prior to the expiration date.
- Though the site has no boilers or generators that require combustion adjustments to be performed annually, it is recommended that all boilers and generators >1 MMBTU/hr receive combustion adjustments annually.
- Retrofit the 10 Class II ODC-containing AC units with an acceptable substitute.

The cost of the General Permit is $820 every five years. No other emission sources at this facility require a permit. The estimated cost for a contractor to perform monthly visual checks is $260 per facility, or $3,120 annually.

Jersey City Armory

While most of the rooms in the armory were accessible at the time of the survey, 38 rooms were not. It is recommended that arrangements be made to gain access to those rooms to survey for any FLB, ODC, and/or other air emission sources.

Fluorescent Light Ballast Survey

While the FLB survey did not identify any leaking ballasts that would require immediate attention, the following actions are recommended:

- Determine the reason why 40 fluorescent fixtures in the armory were inoperable. These should be repaired and screened to determine if they use magnetic or electronic ballasts.
- De-energize and disassemble the four magnetic ballasts to determine if their labels display “No PCBs”

Ozone Depleting Chemicals Survey

The ODC survey identified six units containing Class II ODCs. R134A, RS-44b, R407C, and R290 are acceptable replacements for R22 in accordance with SNAP’s Section 612c of the Clean Air Act. R134A, RS-44b, and R407C have medium GWP levels, and due to new restrictions could become unacceptable alternatives to use in the future. Therefore, R290 is the recommended replacement for all six units currently containing R22. The large outdoor and rooftop AC unit using R22 should be retrofitted with R290. However, due to the fact that all R22 containing units were small AC units, another recommended action is to continue to utilize the units in their current state and condition

until they fail, at which point they should be replaced with a higher efficiency unit containing refrigerant with a low GWP. The large outdoor and rooftop AC unit using R22 should be retrofitted with R290.

Global Warming Potential Survey

Of the 23 refrigerant-containing units identified during the survey, 19 are confirmed to have medium-high GWP. A best management practice recommended by the EPA includes replacing R134A, R404A, and R410A with R290 (Propane) or other hydrocarbon blends to increase efficiency and reduce GWP. R290 is listed as an acceptable replacement in accordance with SNAP's Section 612c of the Clean Air Act. The recommended action is to retrofit the large outdoor and rooftop AC unit with R290 or another acceptable replacement refrigerant. The recommended action for the refrigerators, ice machines, water coolers, and small window AC units is to either perform the necessary retrofits, or continue to utilize the units in their current state and condition until they fail, at which point they should be replaced with a higher efficiency unit containing refrigerant with a low GWP.

Air Emissions Survey

The emission sources identified during this survey are included in Table JC11. The locations of these emission sources are presented in figure JC1. Emission sources at the facility include three boilers, two hot water heaters, a parts washer, and spray paints. The boilers and hot water heaters all consume natural gas.

The potential emissions for the facility do not exceed the Federal or the State "major source" threshold regulations. However, the Armory boilers are a "significant source" as their heat input capacity is over 1 MMBTU/hr and require a permit. The facility has a valid general permit (GP-017) to operate the boilers and it expires on January 5th, 2020.

Therefore, the facility must do the following to maintain compliance:

- Monitor the General Permit expiration dates (permit ID: GP-017). These permits expire on January 5th, 2020. A new permit should be obtained prior to the expiration date.
- Though the site has no boilers or generators that require combustion adjustments to be performed annually, it is recommended that all boilers and generators >1 MMBTU/hr receive combustion adjustments annually.
- Retrofit the 19 Class II ODC-containing AC units with an acceptable substitute.

The cost of the General Permit is $820 every five years. No other emission sources at this facility require a permit. The estimated cost for a contractor to perform monthly visual checks is $260 per facility, or $3,120 annually.

Lakehurst CLTF and AASF

While all of the CLTF-UTES, CLTF-CSMS, Cold Storage, Field Storage Building, and most of the AAFS, B608, and B129 were accessible at the time of the survey, two rooms in the AAFS, two rooms in B608, and four rooms in B129 were not. It is recommended that arrangements be made to gain access to those rooms to survey for any FLB, ODC, and/or other air emission sources.

Fluorescent Light Ballast Survey

While the FLB survey did not identify any leaking ballasts that would require immediate attention, the following actions are recommended:

- Determine the reason why four fluorescent fixtures in the CLTF-UTES, eight in the CLTF-CSMS, 14 in the AAFS, one in B802, five B608, and 25 in B129 are inoperable. These should be repaired and screened to determine if they use magnetic or electronic ballasts.
- De-energize and disassemble the four magnetic ballasts in B608 to determine if their labels display “No PCBs”

Ozone Depleting Chemicals Survey

The ODC survey identified five Class I ODCs, and 48 Class II ODCs. Class I ODCs should have been phased out by 2005, and Class II ODCs are scheduled for complete phase out by 2020. R134A, RS-44b, R407C, and R290 are acceptable replacements for R22 in accordance with SNAP’s Section 612c of the Clean Air Act. R134A, RS-44b, and R407C have medium GWP levels, and due to new restrictions could become unacceptable alternatives to use in the future. Therefore, R290 is the recommended replacement for all 53 units containing R12 or R22. The refrigeration unit, soda machine, compressed air dryer, and two drinking fountains containing R12 should be retrofitted with R290, or entirely removed and properly disposed of. The large outdoor and rooftop fan coils, AC and dehumidifying units using R22 should be retrofitted with R290.

Global Warming Potential Survey

Of the 145 refrigerant-containing units identified during the survey, 139 are confirmed to have medium-high GWP. A best management practice recommended by the EPA includes replacing R134A, R404A, and R410A with R290 (Propane) or other hydrocarbon blends to increase efficiency and reduce GWP. R290 is listed as an acceptable replacement in accordance with SNAP’s Section 612c of the Clean Air Act. The recommended action is to retrofit the large outdoor and rooftop fan coils, AC and dehumidifying units with R290 or another acceptable replacement refrigerant. The recommended action for the refrigerators, ice machines, water coolers, and small window AC units is to either perform the necessary retrofits, or continue to utilize the units in their current state and condition until they fail, at which point they should be replaced with a higher efficiency unit containing refrigerant with a low GWP.

Air Emissions Survey

The emission sources identified during this survey are included in table LH11. The

locations of these emission sources are presented in figure LH1. Emission sources at the facility include 12 water heaters, one air dehydration unit, nine boilers, one direct air heater, one space heater, two H&V units, five split units, 16 forced air heaters, two pressure washers, three generators, one MUA, one paint booth, welding operations, woodworking operations, and VOC-containing paints/solvents. All non-generator units consume natural gas. The “Generator/Welder” unit consumes gasoline, and the “Power Generator” and “Generator 2” consume diesel. Both the actual and PTE for facility-wide emissions are presented in table LH12.

The potential emissions for the facility exceed the Federal or the State “major source” threshold regulations. NJAC 7:27-8.1 defines “major sources” as sites that have total potential HAP emissions exceeding 25 tons per year. The facility’s total HAP emissions total to 30.4 tons per year. The eight boilers, six heaters, two generators, paint booth and woodworking operations are “significant sources”, as the boilers and air heaters heat input capacities are over 1 MMBTU/hr and require a permit. The two generators also require permitting because they are both over 37kW. The paint booth and woodworking operations also require permits. The facility has a valid general permit (GP-018) to operate two of boilers and it expires October 8, 2020. The facility has two valid general permits (GP-017) to operate 10 other boilers and they expire December 17, 2019 and August 22, 2021, respectively. The facility has a valid general permit (GP-17A) for the last two boilers and it expires on May 19, 2022. The facility has a valid pre-construction permit (PCP 110001) to operate its paint booth and it expires on February 21, 2022. The facility has a valid general permit (GP-003) for woodworking operations and it expires on May 17, 2021. The facility has a valid general permit (GP-005A) to operate its two diesel generators and they expire March 25, 2024.

Therefore, the facility must do the following to maintain compliance:
CLTF-CSMS and UTES

- Monitor the General Permit expiration dates (permit ID: GP-017 & GP-018). Permit GP-017 expires on August 22, 2021 while permit GP-018 expires on October 8, 2020. New permits should be obtained prior to their respective expiration dates.
- Though there are multiple units that do not require a combustion update to be performed annually, it is recommended that all units > MMBTU/hr receive combustion adjustments annually.
- Combustion adjustments for the two 5.4MMBTU boilers will need to be completed prior to the 2/8/2019 expiration date.
- It is recommended that all boilers and generators >1 MMBTU/hr receive combustion adjustments annually.
- Remove any R12 in the two recovery tanks and dispose of properly.
- Replace R22 in the 43 outdoor and rooftop AC, dehumidifying, and fan coils with an acceptable substitute.

AASF

- Monitor the general permit expiration date (permit ID: GP-017). The GP-017

permit expires on December 17, 2019. A new permit should be obtained prior to the expiration date.

- Monitor the general permit expiration date (permit ID: GP-005A). The GP-005A permit expires on March 25, 2024. A new permit should be obtained prior to the expiration date.
- Monitor the pre-construction permit expiration date (permit ID: PCP 110001). The PCP 110001 permit expires on February 21, 2022. A new permit should be obtained prior to the expiration date.
- Though there are no boilers or generators that require combustion adjustments to be performed annually, it is recommended that all boilers and generators > MMBTU/hr receive combustion adjustments annually.
- The heat input capacity listed on the GP-005 permit is incorrect. The GP-005 permit is for two 4.9 MMBTU/hr generators. However, the two generators at this facility are 3.7 MMBTU/hr and 4.7 MMBTU/hr. This should be corrected upon renewal.

B129

- Monitor the General Permit expiration date (permit ID: GP-017A). The permit expires on May 19th, 2022. A new permit should be obtained prior to the expiration date.
- Though there are no boilers or generators that require combustion adjustments to be performed annually, it is recommended that all boilers and generators > MMBTU/hr receive combustion adjustments annually.
- Retrofit the three R22-containing outdoor AC units with an acceptable substitution.

Woodworking Operations

- Monitor the General Permit expiration date (permit ID: GP-003). The permit expires on May 17th, 2021. A new permit should be obtained prior to the expiration date.
    - General permit GP-003 is being replaced by general permit GP-016A

The cost of the General Permit is $820 every five years. No other emission sources at this facility require a permit. The annual burner adjustments will cost $650 per year per facility. The estimated cost for a contractor to perform monthly visual checks is $260 per facility, or $3,120 annually.

Lawrenceville Complex

While all rooms in the FMS, Building 161, Building 3, and Building 5 and most rooms in the DMAVA, armory, HSCOE, and Marshall's Building were accessible at the time of the

survey, 15 rooms in the DMAVA, 28 in the armory, four in the HSCOE, and two in the Marshall's Building were not. It is recommended that arrangements be made to gain access to those rooms to survey for any FLB, ODC, and/or other air emission sources.

Fluorescent Light Ballast Survey

While the survey did not identify any leaking ballasts that would require immediate attention, the following actions are recommended:

- Determine why 334 fluorescent light fixtures in the DMAVA, 76 in the armory, two in the HSCOE, 14 in the Marshall's building, and eight in the FMS were inoperable. These should be repaired and screened to determine if they use magnetic or electronic ballasts.
- De-energize and disassemble at least 10 percent of the magnetic ballasts to determine if their labels display "No PCBs"

Ozone Depleting Chemicals Survey

The ODC survey identified seven units containing Class I ODCs, and 63 units containing Class II ODCs, one of which contains both. Class I ODCs should have been phased out by 2005, and Class II ODCs are scheduled for complete phase out by 2020. R134A, RS-44b, R407C, and R290 are acceptable replacements for R22 in accordance with SNAP's Section 612c of the Clean Air Act. R134A, RS-44b, and R407C have medium GWP levels, and due to new restrictions could become unacceptable alternatives to use in the future. Therefore, R290 is the recommended replacement for all 69 units currently containing R12 and/or R22. The three R12-containing refrigeration units, one chilled serving counter, one freezer, and one air conditioning unit should be retrofitted with R290, or entirely removed and properly disposed of. The large outdoor and rooftop AC units using R22 should be retrofitted with R290. It can be recommended that small, R22-containing AC and dehumidifying units be continued to be utilized in their current state and condition until they fail, at which point they should be replaced with a higher efficiency unit containing refrigerant with a low GWP.

Global Warming Potential Survey

Of the 145 refrigerant-containing units identified during the survey, 135 are confirmed to have medium-high GWP. A best management practice recommended by the EPA includes replacing R134A, R404A, and R410A with R290 (Propane) or other hydrocarbon blends to increase efficiency and reduce GWP. R290 is listed as an acceptable replacement in accordance with SNAP's Section 612c of the Clean Air Act. The recommended action is to retrofit the large outdoor and rooftop AC units with R290 or another acceptable replacement refrigerant. The recommended action for the refrigerators, ice machines, water coolers, and small window AC units is to either perform the necessary retrofits, or continue to utilize the units in their current state and condition until they fail, at which point they should be replaced with a higher efficiency unit containing refrigerant with a low GWP.

Air Emissions Survey

The emission sources identified during this survey are included in table LE11. The

locations of these emission sources are presented in Figure LE1. Emission sources at the facility include four boilers, seven heaters, four hot water heaters, two IR heaters, six furnaces, two split units, six storage tanks, VOC-containing paints/solvents, and welding operations. All boilers, furnaces, split units, IR heater, and hot water heaters consume natural gas. Five heaters consume natural gas, and two consume oil. The three emergency generators consume diesel. Two storage tanks store oil, two store gasoline, and two store diesel. Both the actual and PTE for facility-wide emissions are presented in table LE12.

The potential emissions for the facility exceed the Federal or the State “major source” threshold regulations. NJAC 7:27-8.1 defines “major sources” as sites that have total potential HAP emissions exceeding 25 tons per year, or potential NOx emissions exceeding 100 tons per year The facility’s potential HAP emissions total to 36.3 tons per year, and potential NOx emissions total to 142 tons per year. Additionally, there are several individual “significant sources” at the site, as their heat capacities each exceed 1 MMBTU/hr and do require a permit. The facility has a valid general permits (GP-017 and GP-018) to operate their “significant source” boilers, and they expire on December 15, 2021. The facility has a general permit (GP-005A) to operate its three emergency generators, and it expires on August 22, 2021. The facility has a general permit (GP-004A) to operate one of its “significant source” storage tanks, and it expires on August 22, 2021.

Therefore, the facility must do the following to maintain compliance:
Armory

- Monitor the General Permit expiration date (permit ID: GP-018). This permit expires on August 15th, 2021. A new permit should be obtained prior to the expiration date.
- Monitor the general permit expiration date (permit ID: GP-005A). This permit expires on August 22, 2021. A new permit should be obtained prior t the expiration date.
- The Armory’s 5.412 MMBTU/hr boilers require a combustion adjustment in order to meet the requirements of the Boiler Area Source Rule (40 CFR Part 63 Subpart JJJJJJ). The most recent combustion adjustment was on February 7th, 2019 and will expire on February 7th, 2020.
- Ensure the emergency generator operation complies with NJAC 7:27. This can be found in section 1.1.4 if this report.
- Retrofit the Class I ODC-containing refrigeration unit, freezer, and chilled serving counter with an acceptable substitute.
- Retrofit the 37 Class II ODC-containing AC units with an acceptable substitute.

DMAVA

- Monitor the general permit expiration date (permit ID: GP-004A). This permit expires on August 22, 2021. A new permit should be obtained prior to the expiration date.
- Retrofit the 10 Class II ODC-containing AC units with an acceptable substitute.

USPFO

- Monitor the General Permit expiration date (permit ID: GP-017). This permit expires on August 15th, 2021. A new permit should be obtained prior to the expiration date.
- Though the USPFO has no boilers or generators that require combustion adjustments to be performed annually, it is recommended that all boilers and generators >1 MMBTU/hr receive combustion adjustments annually.

HSCOE

- Monitor the General Permit expiration date (permit ID: GP-005A). This permit expires on August 22nd, 2021. A new permit should be obtained prior to the expiration date.
- Ensure the emergency generator operation complies with NJAC 7:27. This can be found in section 1.1.4 of this report.
- Retrofit the Class I ODC-containing AC unit with an acceptable substitute.
- Retrofit the 12 Class II ODC-containing AC units with an acceptable substitute.

FMS

- Retrofit the Class I ODC-containing refrigeration unit with an acceptable substitute.
- Retrofit the Class II ODC-containing AC unit with an acceptable substitute.

Building 4

- Retrofit the two Class II ODC-containing AC units with an acceptable substitute.

Building 161

- Retrofit the Class I ODC-containing refrigeration unit with an acceptable substitute.

Marshall's Building

- Retrofit the Class I ODC-containing drinking fountain with an acceptable substitute.
- Retrofit the Class II ODC-containing AC unit with an acceptable substitute.

The cost of the General Permit is $820 every five years. No other emission sources at this facility require a permit. The annual burner adjustments will cost $650 per year per facility. The estimated cost for a contractor to perform monthly visual checks is $260 per facility, or $3,120 annually.

Lodi Armory

While most of the armory and all of the MVSB were accessible at the time of the survey, 11 rooms in the armory were not. It is recommended that arrangements be made to gain access to those rooms to survey for any FLB, ODC, and/or other air emission sources.

Fluorescent Light Ballast Survey

While the FLB survey did not any leaking ballasts that would require immediate attention, the following actions are recommended:

- Determine the reason why 12 of the fluorescent fixtures in the armory and four in the MSVB are inoperable. These should be repaired and screened to determine if they use magnetic or electronic ballasts.
- De-energize and disassemble at least 10 percent of the magnetic ballasts to determine if their labels display “No PCBs”

Ozone Depleting Chemicals Survey

The ODC survey identified one unit containing Class I ODCs, and 11 units containing Class II ODCs. Class I ODCs should have been phased out by 2005, and Class II ODCs are scheduled for complete phase out by 2020. R134A, RS-44b, R407C, and R290 are acceptable replacements for R22 in accordance with SNAP’s Section 612c of the Clean Air Act. R134A, RS-44b, and R407C have medium GWP levels, and due to new restrictions could become unacceptable alternatives to use in the future. Therefore, R290 is the recommended replacement for all 12 units currently containing R12 or R22. The R12-containing refrigeration unit should be retrofitted with R290, or entirely removed and properly disposed of. The large outdoor and rooftop AC units using R22 should be retrofitted with R290. It can be recommended that small, R22-containing AC units be continued to be utilized in their current state and condition until they fail, at which point they should be replaced with a higher efficiency unit containing refrigerant with a low GWP.

Global Warming Potential Survey

Of the 27 refrigerant-containing units identified during the survey, 21 are confirmed to have medium-high GWP. A best management practice recommended by the EPA includes replacing R134A, R404A, and R410A with R290 (Propane) or other hydrocarbon blends to increase efficiency and reduce GWP. R290 is listed as an acceptable replacement in accordance with SNAP’s Section 612c of the Clean Air Act. The recommended action is to retrofit the large outdoor and rooftop AC units with R290 or another acceptable replacement refrigerant. The recommended action is to retrofit the large outdoor and rooftop AC units with R290 or another acceptable replacement refrigerant. The recommended action for the refrigerators, ice machines, water coolers, and small window AC units is to either perform the necessary retrofits, or continue to utilize the units in their current state and condition until they fail, at which point they should be replaced with a higher efficiency unit containing refrigerant with a low GWP.

Air Emissions Survey

The emissions sources identified during this survey are included in Table LI11. The locations of these emissions are presented in Figure LI1. Emission sources at the facility include two boilers, six forced air furnaces, one generator, one parts washer, and VOC-containing paints/solvents. All boilers and forced air furnaces consume natural gas. Both the actual and PTE for facility-wide emissions are presented in Table LI12.

The potential emissions for the facility do not exceed the Federal or the State “major source” threshold regulations. However, the Armory boiler is a “significant source” as the heat input capacity is over 1 MMBTU/hr and requires a permit. The facility has a valid general permit (GP-017A) to operate the boilers and it expires on March 23, 2023.

Therefore, the facility must do the following to maintain compliance:

- Monitor the General Permit expiration date (permit ID: GP-017A). This permit expires on March 23, 2023. A new permit should be obtained prior to the expiration date.
- The Armory’s 3.1 MMBTU/hr natural gas boilers require a combustion adjustment in order to meet the requirements of the Boiler Area Source Rule (40 CFR Part 63 Subpart JJJJJJ). The most recent combustion adjustment was on February 9th, 2018 and will expire on February 9th, 2019. A new combustion adjustment must be conducted prior to the expiration date.
- Retrofit the Class I ODC-containing refrigeration unit with an acceptable substitute.
- Retrofit the 11 Class II ODC-containing AC units with an acceptable substitute.

The cost of the General Permit is $820 every five years. No other emission sources at this facility require a permit. The annual burner adjustments will cost $650 per year per facility. The estimated cost for a contractor to perform monthly visual checks is $260 per facility, or $3,120 annually.

Morristown Armory

While most of the armory was accessible at the time of the survey, eight rooms were not. It is recommended that arrangements be made to gain access to those rooms to survey for any FLB, ODC, and/or other air emission sources.

Fluorescent Light Ballast Survey

While the FLB survey did not identify any leaking ballasts that would require immediate attention, the following actions are recommended:

- Determine why two of the fluorescent fixtures are inoperable. These should be repaired and screened to determine if they use magnetic or electronic ballasts.
- De-energize at least 10 percent of the magnetic ballasts to determine if their labels display “No PCBs”

Ozone Depleting Chemicals Survey

The ODC survey identified three units containing Class I ODCs, and 16 units containing Class II ODCs. Class I ODCs should have been phased out by 2005, and Class II ODCs are scheduled for complete phase out by 2020. R134A, RS-44b, R407C, and R290 are acceptable replacements for R22 in accordance with SNAP’s Section 612c of the Clean Air Act. R134A, RS-44b, and R407C have medium GWP levels, and due to

new restrictions could become unacceptable alternatives to use in the future. Therefore, R290 is the recommended replacement for all 19 units currently containing R12 or R22. The two R12-containing refrigeration units, ice machine, and freezer should be retrofitted with R290, or entirely removed and properly disposed of. A recommended action for small, R22-containing AC and dehumidifying units is to continue to utilize them in their current state and condition until they fail, at which point they should be replaced with a higher efficiency unit containing refrigerant with a low GWP.

Global Warming Potential Survey

Of the 29 refrigerant-containing units identified during the survey, 28 are confirmed to have low-high GWP. A best management practice recommended by the EPA includes replacing R134A, R404A, and R410A with R290 (Propane) or other hydrocarbon blends to increase efficiency and reduce GWP. R290 is listed as an acceptable replacement in accordance with SNAP's Section 612c of the Clean Air Act. The recommended action for the refrigerators, ice machines, water coolers, and small window AC units is to either perform the necessary retrofits, or continue to utilize the units in their current state and condition until they fail, at which point they should be replaced with a higher efficiency unit containing refrigerant with a low GWP.

Air Emissions Survey

The emission sources identified during this survey are included in table MN11. The locations of these emission sources are presented in Figure MN1. Emission sources at the facility include two boilers. And VOC-containing paints/solvents. Both boilers consume natural gas. Both the actual and PTE for facility-wide emissions are presented in table MN12.

The potential emissions for the facility do not exceed the Federal or the State "major source" threshold regulations. However, the two armory boilers are "significant sources" as each of their heat input capacities are over 1 MMBTU/hr and require a permit. The facility has a valid general permit (GP-017) to operate the boilers and it expires on May 7th, 2020.

Therefore, the facility must do the following to maintain compliance:

- Monitor the General Permit expiration date (permit ID: GP-017). This permit expires on May 7th, 2020. A new permit should be obtained prior to the expiration date.
- Though the site has no boilers or generators that require combustion adjustments to be performed annually, it is recommended that all boilers and generators >1 MMBTU/hr receive combustion adjustments annually.
- Retrofit the two Class I ODC-containing refrigeration units, ice machine, and freezer with an acceptable substitute.
- Retrofit the 16 Class II ODC-containing AC and dehumidifying units with an acceptable substitute.

The cost of the General Permit is $820 every five years. No other emission sources at

this facility require a permit. The estimated cost for a contractor to perform monthly visual checks is $260 per facility, or $3,120 annually.

Mount Holly Armory

While most rooms in the armory were accessible at the time of the survey, one room was not. It is recommended that arrangements be made to gain access to those rooms to survey for any FLB, ODC, and/or other air emission sources.

Fluorescent Light Ballast Survey

The FLB survey did not identify any leaking ballasts that would require immediate attention. Additionally, there were no inoperable fluorescent fixtures identified. However, the following action is recommended:

- De-energize and disassemble the eight magnetic ballasts to determine if their labels display “No PCBs”

Ozone Depleting Chemicals Survey

The ODC survey identified four units containing Class II ODCs. Class II ODCs are scheduled for complete phase out by 2020. R134A, RS-44b, R407C, and R290 are acceptable replacements for R22 in accordance with SNAP’s Section 612c of the Clean Air Act. R134A, RS-44b, and R407C have medium GWP levels, and due to new restrictions could become unacceptable alternatives to use in the future. Therefore, R290 is the recommended replacement for all four units currently containing or R22. The large outdoor and rooftop AC units using R22 should be retrofitted with R290.

Global Warming Potential Survey

Of the 13 refrigerant-containing units identified during the survey, 11 are confirmed to have medium-high GWP. A best management practice recommended by the EPA includes replacing R134A, R404A, and R410A with R290 (Propane) or other hydrocarbon blends to increase efficiency and reduce GWP. R290 is listed as an acceptable replacement in accordance with SNAP’s Section 612c of the Clean Air Act. The recommended action is to retrofit the large outdoor AC units with R290 or another acceptable replacement refrigerant.

Air Emissions Survey

The emission sources identified during this survey are included in Table MY11. The locations of these emission sources are presented in Figure MY1. Emission sources at the facility include two boilers. These boilers consume natural gas. Both the actual and PTE for facility-wide emissions are presented in Table MY12.

The potential emissions for the facility do not exceed the Federal or the State “major source” threshold regulations. However, the Armory boilers are “significant sources” as the heat input capacity is over 1 MMBTU/hr and require a permit. The facility has a valid general permit (GP-017A) to operate the boilers and it expires on April 20th, 2023.

Therefore, the facility must do the following to maintain compliance:

- Monitor the General Permit expiration date (permit ID: GP-017A). This permit expires on April 20th, 2023. A new permit should be obtained prior to the expiration date.
- Though the site has no boilers or generators that require combustion adjustments to be performed annually, it is recommended that all boilers and generators >1 MMBTU/hr receive combustion adjustments annually.
- Retrofit the four Class II ODC-containing AC units with an acceptable substitute.

The cost of the General Permit is $820 every five years. No other emission sources at this facility require a permit. The estimated cost for a contractor to perform monthly visual checks is $260 per facility, or $3,120 annually.

New Egypt Armory/Old UTES

While most of the rooms at the facility were accessible at the time of the survey, two were not. It is recommended that arrangements be made to gain access to those rooms to survey for any FLB, ODC, and/or other air emission sources.

Fluorescent Light Ballast Survey

While the FLB survey did not identify any leaking ballasts that would require immediate attention, the following actions are recommended:

- Determine why 29 fluorescent fixtures were inoperable. These should be repaired and screened to determine if they use magnetic or electronic ballasts.
- De-energize and disassemble at least 10 percent of the magnetic ballasts to determine if their labels display “No PCBs”

Ozone Depleting Chemicals Survey

The ODC survey identified two units containing Class II ODCs. Class II ODCs are scheduled for complete phase out by 2020. R134A, RS-44b, R407C, and R290 are acceptable replacements for R22 in accordance with SNAP’s Section 612c of the Clean Air Act. R134A, RS-44b, and R407C have medium GWP levels, and due to new restrictions could become unacceptable alternatives to use in the future. Therefore, R290 is the recommended replacement the two units currently containing R22. The large rooftop AC unit using R22 should be retrofitted with R290. A recommended action for the small, R22-containing AC unit is to continue utilizing it in its current state and condition until they fail, at which point it should be replaced with a higher efficiency unit containing refrigerant with a low GWP.

Global Warming Potential Survey

Both refrigerant-containing units identified during the survey have medium GWP. A best

management practice recommended by the EPA includes replacing R134A, R404A, and R410A with R290 (Propane) or other hydrocarbon blends to increase efficiency and reduce GWP. R290 is listed as an acceptable replacement in accordance with SNAP's Section 612c of the Clean Air Act. The recommended action is to retrofit the large outdoor and rooftop AC units with R290 or another acceptable replacement refrigerant. The recommended action for the refrigerators, ice machines, water coolers, and small window AC units is to either perform the necessary retrofits, or continue to utilize the units in their current state and condition until they fail, at which point they should be replaced with a higher efficiency unit containing refrigerant with a low GWP.

Air Emissions Survey

The emission sources identified during this survey are included in Table OU11. The locations of these emission sources are presented in Figure OU1. Emission sources at the facility include a boilers, hot water heater, parts washer, an aboveground storage tank, VOC-containing paints/solvents, and an unknown source. The boiler and hot water heater consume oil. The aboveground storage tank stores oil. The unknown unit consumes/stores diesel. Both the actual and PTE for facility-wide emissions are presented in Table OU12.

The potential emissions for the facility do not exceed the Federal or the State "major source" threshold regulations. However, its boiler is a "significant source" as its heat input capacity is over 1 MMBTU/hr and requires a permit. The facility has a valid general permit (GP-017) to operate the boiler and it expires on September 7th, 2021.

Therefore, the facility must do the following to maintain compliance:

- Monitor the General Permit expiration date (permit ID: GP-017). This permit expires on September 7th, 2021. A new permit should be obtained prior to the expiration date.
- Though the site has no boilers or generators that require combustion adjustments to be performed annually, it is recommended that all boilers and generators >1 MMBTU/hr receive combustion adjustments annually.
- Retrofit the two Class II ODC-containing AC units with an acceptable substitute.

The cost of the General Permit is $820 every five years. No other emission sources at this facility require a permit. The annual burner adjustments will cost $650 per year per facility. The estimated cost for a contractor to perform monthly visual checks is $260 per facility, or $3,120 annually.

Newark Armory

All rooms in the armory and OMS were accessible at the time of the survey.

Fluorescent Light Ballast Survey

While the FLB survey did not identify any leaking ballasts that would require immediate attention, the following actions are recommended:

- Determine the reason why seven fluorescent fixtures in the armory and three in the OMS were inoperable. These should be repaired and screened to determine if they use magnetic or electronic ballasts.
- De-energize and disassemble at least 10 percent of the magnetic ballasts to determine if their labels display “No PCBs”

Ozone Depleting Chemicals Survey

The ODC survey identified two units containing Class I ODCs, and 12 units containing Class II ODCs. Class I ODCs should have been phased out by 2005, and Class II ODCs are scheduled for complete phase out by 2020. R134A, RS-44b, R407C, and R290 are acceptable replacements for R22 in accordance with SNAP’s Section 612c of the Clean Air Act. R134A, RS-44b, and R407C have medium GWP levels, and due to new restrictions could become unacceptable alternatives to use in the future. Therefore, R290 is the recommended replacement for all 14 units currently containing R12 or R22. The R12-containing drinking fountain and refrigeration unit should be retrofitted with R290, or entirely removed and properly disposed of. A recommended action for refrigeration units and small AC units containing R22 is to continue to utilize them in their current state and condition until they fail, at which point they should be replaced with a higher efficiency unit containing refrigerant with a low GWP.

Global Warming Potential Survey

Of the 22 pieces of refrigerant-containing equipment, 6 use alternative refrigerants that are documented as to having medium to high global warming potential (R134A, R404A, R410A). A best management practice includes replacing R134A, R404A, and R410A with R290 (Propane) or other hydrocarbon blends to increase efficiency and reduce GWP. The type, make, model, location, and serial number of each piece of equipment as well as the type and amount of refrigerants each contains may be found on Table NK3. Figures NK1, NK2 and NK3 present the location of GWP containing equipment at the facility.

Air Emissions Survey

The emission sources identified during this survey are included in Table NK11. The locations of these emission sources are presented in Figure NK1. Emission sources at the facility include two boilers, a hot water heater, a heater, and VOC-containing paints/solvents. The boilers, hot water heater, and heater consume natural gas. Both the actual and PTE for facility-wide emissions are presented in Table NK12

The potential emissions for the facility do not exceed the Federal or the State “major source” threshold regulations. However, the Armory boilers are “significant sources” as each of their heat input capacities exceed 1 MMBTU/hr and require a permit. The facility has a valid general permit (GP-017A) to operate the boilers and it expires on August 21st, 2021.

Therefore, the facility must do the following to maintain compliance:

- Monitor the General Permit expiration date (permit ID: GP-017). This permit expires on August 21st, 2021. A new permit should be obtained prior to the expiration date.
- Though the site has no boilers or generators that require combustion adjustments to be performed annually, it is recommended that all boilers and generators >1 MMBTU/hr receive combustion adjustments annually.
- Retrofit the Class I ODC-containing drinking fountain and refrigeration unit with an acceptable substitute.
- Retrofit the Class II ODC-containing AC units and refrigeration unit with an acceptable substitute.

The cost of the General Permit is $820 every five years. No other emission sources at this facility require a permit. The estimated cost for a contractor to perform monthly visual checks is $260 per facility, or $3,120 annually.

Picatinny FMS

While most rooms in the armory were accessible at the time of the survey, two were not. It is recommended that arrangements be made to gain access to those rooms to survey for any FLB, ODC, and/or other air emission sources.

Fluorescent Light Ballast Survey

The FLB survey did not identify any leaking ballasts that would require immediate attention. Additionally, no magnetic ballasts were identified. However, the following action is recommended:

- Determine the reason why six fluorescent fixtures in the armory were inoperable. These should be repaired and screened to determine if they use magnetic or electronic ballasts.

Ozone Depleting Chemicals Survey

The ODC survey identified one unit potentially containing Class I ODCs, and 18 units containing Class II ODCs. Class I ODCs should have been phased out by 2005, and Class II ODCs are scheduled for complete phase out by 2020. R134A, RS-44b, R407C, and R290 are acceptable replacements for R22 in accordance with SNAP's Section 612c of the Clean Air Act. R134A, RS-44b, and R407C have medium GWP levels, and due to new restrictions could become unacceptable alternatives to use in the future. Therefore, R290 is the recommended replacement for all 19 units currently containing R12 or R22. The recovery unit potentially containing R12 should be retrofitted with R290, or entirely removed and properly disposed of. The large rooftop AC units using R22 should be retrofitted with R290. It can be recommended that the small, R22-containing AC units continue to be utilized in their current state and condition until they

fail, at which point they should be replaced with a higher efficiency unit containing refrigerant with a low GWP.

Global Warming Potential Survey

All 27 refrigerant-containing units identified during the survey have medium-high GWP. All 10 refrigerant containing units identified during the survey have medium-high GWP. A best management practice recommended by the EPA includes replacing R134A, R404A, and R410A with R290 (Propane) or other hydrocarbon blends to increase efficiency and reduce GWP. R290 is listed as an acceptable replacement in accordance with SNAP's Section 612c of the Clean Air Act. The recommended action is to retrofit the large outdoor and rooftop AC units with R290 or another acceptable replacement refrigerant. The recommended action for the refrigerators, ice machines, water coolers, and small window AC units is to either perform the necessary retrofits, or continue to utilize the units in their current state and condition until they fail, at which point they should be replaced with a higher efficiency unit containing refrigerant with a low GWP.

Air Emissions Survey

The emission sources identified during this survey are included in Table PY11. The locations of these emission sources are presented Figure PY1. Emission sources at the facility include three boilers, a hot water heater, three aboveground storage tanks, and VOC-containing paints/solvents. The boilers and hot water heater consume natural gas. The aboveground storage tanks store diesel. Both the actual PRE for facility-wide emissions are presented in Table PY12.

The potential emissions for the facility do not exceed the Federal or the State "major source" threshold regulations. Additionally, there are no units that qualify as a "significant source".

Therefore, the facility must do the following to maintain compliance:

- Retrofit the recovery unit potentially containing Class I ODCs with an acceptable substitute.
- Retrofit the Class II ODC-containing units with an acceptable substitute.

The estimated cost for a contractor to perform monthly visual checks is $260 per facility, or $3,120 annually.

Princeton Warehouse

While all rooms in the warehouse and most rooms in the State Police facility were accessible at the time of the survey, one room in the State Police facility was not. It is recommended that arrangements be made to gain access to those rooms to survey for any FLB, ODC, and/or other air emission sources.

Fluorescent Light Ballast Survey

While the FLB survey did not identify any leaking ballasts that would require immediate attention, the following actions are recommended:

- Determine why one fluorescent light fixture in the State Police facility was inoperable. This should be repaired and screened to determine if it uses a magnetic or electronic ballast.
- De-energize and disassemble the two magnetic ballasts in the warehouse and at least 10 percent in the State Police facility to determine if their labels present "No PCBs"

Ozone Depleting Chemicals Survey

The ODC survey identified three units containing Class II ODCs. Class II ODCs are scheduled for complete phase out by 2020. R134A, RS-44b, R407C, and R290 are acceptable replacements for R22 in accordance with SNAP's Section 612c of the Clean Air Act. R134A, RS-44b, and R407C have medium GWP levels, and due to new restrictions could become unacceptable alternatives to use in the future. Therefore, R290 is the recommended replacement for all three units currently containing R22. However, due to the fact that all R22 containing units were small AC units, another recommended action is to continue to utilize the units in their current state and condition until they fail, at which point they should be replaced with a higher efficiency unit containing refrigerant with a low GWP

Global Warming Potential Survey

Of the 13 refrigerant-containing units identified during the survey, 10 are confirmed to have medium GWP. A best management practice recommended by the EPA includes replacing R134A, R404A, and R410A with R290 (Propane) or other hydrocarbon blends to increase efficiency and reduce GWP. R290 (Propane) is listed as an acceptable replacement in accordance with SNAP's Section 612c of the Clean Air Act. The recommended action for the refrigerators, ice machines, water coolers, and small window AC units is to either perform the necessary retrofits, or continue to utilize the units in their current state and condition until they fail, at which point they should be replaced with a higher efficiency unit containing refrigerant with a low GWP.

Air Emissions Survey

The emission sources identified during this survey are included in Table PN11. The locations of these emission sources are presented in Figure PN1. Emission sources at the facility include a furnace, emergency generator, two storage tanks, and VOC-containing paints/solvents. The furnace consumes oil. The emergency generator consumes diesel. One of the storage tanks stores oil and the other stores diesel. Both the actual and PTE for facility-wide emissions are presented in Table PN12.

Therefore, the facility must do the following to maintain compliance:

- Ensure the emergency generator operation complies with NJAC 7:27. This can be found in section 1.1.4 of this report.
- Retrofit the three Class II ODC-containing AC units with an acceptable substitute.

The estimated cost for a contractor to perform monthly visual checks is $260 per facility, or $3,120 annually.

Riverdale Armory

While most rooms in the armory were accessible during the time of the survey, eight rooms were not. Additionally, four of the nine rooms in the MVSB were inaccessible. It is recommended that arrangements be made to gain access to those rooms to survey for any FLB, ODC, and/or other air emission sources.

Fluorescent Light Ballast Survey

While the FLB survey did not identify any leaking ballasts that would require immediate attention, the following actions are recommended:

- Determine the reason why 50 fluorescent fixtures in the armory and 14 in the MVSB were inoperable. These should be repaired and screened to determine if they use magnetic or electronic ballasts.
- De-energize and disassemble at least 10 percent of the magnetic ballasts to determine if their labels display “No PCBs”

Ozone Depleting Chemicals Survey

The ODC survey identified three units containing Class I ODCs, and nine units containing Class II ODCs. Class I ODCs should have been phased out by 2005, and Class II ODCs are scheduled for complete phase out by 2020. R134A, RS-44b, R407C, and R290 are acceptable replacements for R22 in accordance with SNAP’s Section 612c of the Clean Air Act. R134A, RS-44b, and R407C have medium GWP levels, and due to new restrictions could become unacceptable alternatives to use in the future. Therefore, R290 is the recommended replacement for the 11 units currently containing R12 or R22. R23 is the recommended replacement for the unit currently containing R13. The R13-containing drinking fountain should be retrofitted with R23, or entirely removed and properly disposed of. The R12-containing refrigeration unit and drinking fountain should be retrofitted with R290, or entirely removed and properly disposed of. A recommended action for small, R22-containing AC units is to continue to utilize them in their current state and condition until they fail, at which point they should be replaced with a higher efficiency unit containing refrigerant with a low GWP.

Global Warming Potential Survey

Of the 22 refrigerant-containing units identified during the survey, 19 are confirmed to have medium-high GWP. A best management practice recommended by the EPA includes replacing R134A, R404A, and R410A with R290 (Propane) or other hydrocarbon blends to increase efficiency and reduce GWP. R290 is listed as an acceptable replacement in accordance with SNAP’s Section 612c of the Clean Air Act. The recommended action for the refrigerators, ice machines, water coolers, and small

window AC units is to either perform the necessary retrofits, or continue to utilize the units in their current state and condition until they fail, at which point they should be replaced with a higher efficiency unit containing refrigerant with a low GWP.

Air Emissions Survey

The emissions sources identified during this survey are included on RE11. The locations of these emission sources are presented in Figure RE1. Emission sources at the facility include two boilers, three forced air furnaces, a storage tank, and VOC-containing paints/solvents. All boilers and forced air furnaces consume natural gas. The storage tank stores oil. Both the actual and PTE for facility-wide emissions are presented in Table RE12.

The potential emissions for the facility do not exceed the Federal or the State "major source" threshold regulations. However, the Armory boilers are "significant sources" as each of their heat input capacities exceed 1 MMBTU/hr and require a permit. The facility has a valid general permit (GP-017A) to operate the boilers and it expires on April 5th, 2022.

Therefore, the facility must do the following to maintain compliance:

- Monitor the General Permit expiration date (permit ID: GP-017A). This permit expires on April 5th, 2022. A new permit should be obtained prior to the expiration date.
- Though the site has no boilers or generators that require combustion adjustments to be performed annually, it is recommended that all boilers and generators >1 MMBTU/hr receive combustion adjustments annually.
- Retrofit the two Class I ODC-containing drinking fountains and one refrigeration unit with an acceptable substitute.
- Retrofit the nine Class II ODC-containing AC units with an acceptable substitute.

The cost of the General Permit is $820 every five years. No other emission sources at this facility require a permit. The estimated cost for a contractor to perform monthly visual checks is $260 per facility, or $3,120 annually.

Sea Girt National Guard Training Center

While all rooms in buildings 1, 5, 6, 14, 15, 16, 17, 18, 20, 22, 24, 37, 54, 58, 59, 60, 65, 73 range building 2, and range building 3, and most rooms in buildings 2, 7, 8, 11, 21, 23, 35, 36, 56, 66, 68, and building range 1 were accessible at the time, two rooms in building 2, one in building 1, five in building 8, two in building 11, one in building 21, one in building 23, five in building 35, two in building 36, two in building 56, three in building 66, two In building 68, and one in range building one were not. It is recommended that arrangements be made to gain access to those rooms to survey for any FLB, ODC,

and/or other air emission sources.

Fluorescent Light Ballast Survey

While the FLB survey did not identify any leaking ballasts that would require immediate attention, the following actions are recommended:

- Determine why 126 fluorescent fixtures throughout the site were inoperable. These should be repaired and screened to determine if they use magnetic or electronic ballasts.
- De-energize and disassemble at least 10 percent of the magnetic ballasts to determine if their labels display “No PCBs”

Ozone Depleting Chemicals Survey

The ODC survey identified 13 units containing Class I ODCs, and 60 units containing Class II ODCs. Three of these units contain both Class I and Class II ODCs. Class I ODCs should have been phased out by 2005, and Class II ODCs are scheduled for complete phase out by 2020. R134A, RS-44b, R407C, and R290 are acceptable replacements for R22 in accordance with SNAP’s Section 612c of the Clean Air Act. R134A, RS-44b, and R407C have medium GWP levels, and due to new restrictions could become unacceptable alternatives to use in the future. Therefore, R290 is the recommended replacement for all 73 units currently containing R12 and/or R22. R23 is the recommended replacement for the two units currently containing R13. The two R13-containing drinking fountains should be retrofitted with R23, or entirely removed and properly disposed of. The three R12-containing refrigeration units, fridge compressor, and drinking fountain, and three AC units potentially containing R12, should be entirely removed and properly disposed of. The large outdoor and rooftop AC units using R22 should be retrofitted with R290. A recommended action for small, R22-containing refrigeration and AC units is to continue to utilize them in their current state and condition until they fail, at which point they should be replaced with a higher efficiency unit containing refrigerant with a low GWP.

Global Warming Potential Survey

Of the 245 refrigerant-containing units identified during the survey, 206 are confirmed to have low-high GWP. A best management practice recommended by the EPA includes replacing R134A, R404A, and R410A with R290 (Propane) or other hydrocarbon blends to increase efficiency and reduce GWP. R290 is listed as an acceptable replacement in accordance with SNAP’s Section 612c of the Clean Air Act. The recommended action is to retrofit the large outdoor and rooftop AC units with R290 or another acceptable replacement refrigerant. The recommended action for the refrigerators, ice machines, water coolers, and small window AC units is to either perform the necessary retrofits, or continue to utilize the units in their current state and condition until they fail, at which point they should be replaced with a higher efficiency unit containing refrigerant with a low GWP.

Air Emissions Survey

The emission sources identified during this survey are included in Table ST11. The locations of these emission sources are presented in Figure ST11. Emission sources at

the facility include nine boilers, 19 hot water heaters, 11 furnaces, six heaters, nine space heaters, four IR heaters, seven forced air units, five split units, six generators, one grill, one gasoline/diesel pump, two parts washers, one dust collector, VOC-containing paints/solvents, and an unknown unit. All boilers, hot water heaters, furnaces, heaters, space heaters, IR heaters, forced air units, split units, and grills consume natural gas, with the exception of two electric boilers and 5 electric air conditioners in the MED/GIB building. Two generators consume natural gas, and four consume diesel. Both the actual and PTE for facility-wide emissions are presented in Table ST12.

The potential emissions for the facility exceed the Federal or the State “major source” threshold regulations. NJAC 7:27-8.1 defines “major sources” as sites that have potential individual HAP emissions exceeding 10 tons per year, total potential HAP emissions exceeding 25 tons per year, or potential NOx emissions exceeding 100 tons per year. The facility’s potential PM_{10} (Filterable) emissions total to 35.1 tons per year, potential HAP emissions total to 118 tons per year, and potential NOx emissions total to 459 tons per year, the majority of which is a potential product of the diesel generators. Additionally, the two Building 11 boilers, two generators in both the NEW Building and Building 2, and the Building 59 gasoline pump are “significant sources” and will require respective permits. The facility has a valid general permits (GP-017A, GP-005A, GP-004A) to operate the equipment. The GP-017A and GP-005A expire on June 15th, 2022 while the GP-004A expires on June 5th, 2022.

Therefore, the facility must do the following to maintain compliance:
Buildings 1, 2, 3, 6, 7, 8, 11, 14, 15, 16, 17, 18, 20, 21, 22, 23, 24, 26, 35, 36, 37, 54, 58, 59, 60, 65, 66, 68, and 73

- Monitor the General Permit expiration date (permit ID: GP-017A). This permit expires on June 15th, 2022. A new permit should be obtained prior to the expiration date
- Monitor the General Permit expiration date (permit ID: GP-005A). This permit expires on June 15th, 2022. A new permit should be obtained prior to the expiration date
- Ensure the emergency generator operation complies with NJAC 7:27. This can be found in section 1.1.4 of this report.
- Monitor the General Permit expiration date (permit ID: GP-004A). This permit expires on June 5th, 2022. A new permit should be obtained prior to the expiration date
- It is recommended that all boilers and generators >1 MMBTU/hr receive combustion adjustments annually.
- Retrofit the three Class I ODC-containing refrigeration units, three drinking fountains, and fridge compressor, and three AC units potentially containing Class I ODCs, with an acceptable substitute.
- Retrofit the 58 Class II ODC-containing AC and refrigeration units with an acceptable substitute.

NEW Generator Building

- Monitor the General Permit expiration date (permit ID: GP-005A). This permit expires on June 15th, 2022. A new permit should be obtained prior to the expiration date. These generators were not operational at the time of the survey.
- Ensure the emergency generator operation complies with NJAC 7:27. This can be found in section 1.1.4 of this report.
- It is recommended that all boilers and generators >1 MMBTU/hr receive combustion adjustments annually.

FMS

- Monitor the General Permit expiration date (permit ID: GP-016A). This permit expires on June 11th, 2024. A new permit should be obtained prior to the expiration date.

The cost of the General Permit is $820 every five years. The annual burner adjustments will cost $650 per year per facility. The estimated cost for a contractor to perform monthly visual checks is $260 per facility, or $3,120 annually.

Somerset Armory

While all rooms in the DTMB and FMS, and most rooms in the armory were accessible at the time of the survey, 23 rooms in the armory were not. It is recommended that arrangements be made to gain access to those rooms to survey for any FLB, ODC, and/or other air emission sources.

Fluorescent Light Ballast Survey

While the FLB survey did not identify any leaking ballasts that would require immediate attention, the following actions are recommended:

- Determine the reason why 48 fluorescent fixtures in armory were inoperable. These should be repaired and screened to determine if they use magnetic or electronic ballasts.
- De-energize and disassemble at least 10 percent of the magnetic ballasts to determine if their labels display “No PCBs”

Ozone Depleting Chemicals Survey

The ODC survey identified one unit containing Class I ODCs. Class I ODCs should have been phased out by 2005, and Class II ODCs are scheduled for complete phase out by 2020. R290 is the recommended replacement for R12 in accordance with SNAP’s Section 612c of the Clean Air Act. Therefore, R290 is the recommended replacement for the unit containing R12. The R12-containing refrigerant unit should be retrofitted with R290, or entirely removed and properly disposed of.

Global Warming Potential Survey

Of the 15 refrigerant-containing units identified during the survey, 14 are confirmed to have medium-high GWP. A best management practice recommended by the EPA includes replacing R134A, R404A, and R410A with R290 (Propane) or other hydrocarbon blends to increase efficiency and reduce GWP. R290 is listed as an acceptable replacement in accordance with SNAP's Section 612c of the Clean Air Act. . The recommended action for the refrigerators, ice machines, water coolers, and small window AC units is to either perform the necessary retrofits, or continue to utilize the units in their current state and condition until they fail, at which point they should be replaced with a higher efficiency unit containing refrigerant with a low GWP.

Air Emissions Survey

The emission sources identified during this survey are included in Table SS11. The locations of these emission sources are presented Figure SS1. Emission sources at the facility include three boilers, one boiler, two IR heater, one generator, one storage tank, and VOC-containing paints/solvents. The two armory boilers, the water heater, and IR heaters consume natural gas. The FMS boiler consumes oil. The generator consumes diesel. The storage tank stores oil. Both the actual and PTE for facility-wide emissions are presented in Table SS12.

The potential emissions for the facility do not exceed the Federal or the State "major source" threshold regulations. However, the Armory boilers are "significant sources" as each of their heat input capacities exceed 1 MMBTU/hr and require a permit. The facility has a valid general permit (GP-017A) to operate the boilers and it expires on April 5th, 2022.

Therefore, the facility must do the following to maintain compliance:

- Monitor the General Permit expiration date (permit ID: GP-017A). This permit expires on April 5th, 2022. A new permit should be obtained prior to the expiration date.
- Though the site has no boilers or generators that require combustion adjustments to be performed annually, it is recommended that all boilers and generators >1 MMBTU/hr receive combustion adjustments annually.
- Ensure the emergency generator operation complies with NJAC 7:27. This can be found in section 1.1.4 of this report.
- Retrofit the Class I ODC-containing refrigeration unit with an acceptable substitute.

The cost of the General Permit is $820 every five years. No other emission sources at this facility require a permit. The estimated cost for a contractor to perform monthly visual checks is $260 per facility, or $3,120 annually.

Teaneck Armory

While all the rooms in the OMS were accessible at the time of the survey, many of the

rooms (36) in the armory were not. It is recommended that arrangements be made to gain access to those rooms to survey for any FLB, ODC, and/or other air emissions sources.

Fluorescent Light Ballast Survey

While the FLB survey did not identify any leaking ballasts that would require immediate attention, the following actions are recommended:

- Determine the reason why 168 fluorescent fixtures in the armory were inoperable. These should be repaired and screened to determine if they use magnetic or electronic ballasts.
- De-energize and disassemble at least 10 percent of the magnetic ballasts to determine if their labels display “No PCBs”

Ozone Depleting Chemicals Survey

The ODC survey identified 13 units containing Class II ODCs. Class II ODCs are scheduled for complete phase out by 2020. R134A, RS-44b, R407C, and R290 are acceptable replacements for R22 in accordance with SNAP’s Section 612c of the Clean Air Act. R134A, RS-44b, and R407C have medium GWP levels, and due to new restrictions could become unacceptable alternatives to use in the future. Therefore, R290 is the recommended replacement for all 13 units currently containing R22. The large outdoor and rooftop AC units using R22 should be retrofitted with R290. It can be recommended that small, R22-containing AC units continue to utilize the units in their current state and condition until they fail, at which point they should be replaced with a higher efficiency unit containing refrigerant with a low GWP.

Global Warming Potential Survey

Of the 39 refrigerant-containing units identified during the survey, 34 are confirmed to have medium-high GWP. A best management practice recommended by the EPA includes replacing R134A, R404A, and R410A with R290 (Propane) or other hydrocarbon blends to increase efficiency and reduce GWP. R290 is listed as an acceptable replacement in accordance with SNAP’s Section 612c of the Clean Air Act. The recommended action is to retrofit the large outdoor and rooftop AC units with R290 or another acceptable replacement refrigerant. The recommended action for the refrigerators, ice machines, water coolers, and small window AC units is to either perform the necessary retrofits, or continue to utilize the units in their current state and condition until they fail, at which point they should be replaced with a higher efficiency unit containing refrigerant with a low GWP.

Air Emissions Survey

The emission sources identified during this survey are included in Table TK11. The locations of these emission sources are presented in Figure TK1. Emission sources at the facility include three boilers, two hot water heaters, two space heaters, one parts washer, welding operations, and VOC-containing paints/solvents. All boilers, hot water heaters, and space heaters consume natural gas. Botht he actual and PTE for facility-wide emissions are presented in Table TK12.

The potential emissions for the facility do not exceed the Federal or the State “major source” threshold regulations. However, the two Armory boilers and one OMS boiler are “significant sources” as each of their heat input capacities exceed 1 MMBTU/hr and require a permit. The facility has a valid preconstruction permit (PCP 070001) to operate the armory boilers and it expires on March 26, 2023. The facility has a valid general permit (GP-017A) to operate the boilers and it expires on May 19th, 2022. The facility also has a valid Pre-Construction Permit to operate the OMS boiler that expires on March 26, 2023.

Therefore, the facility must do the following to maintain compliance:

- Monitor the Preconstruction Permit expiration date (permit ID: PCP 070001). This permit expires on March 26, 2023. A new permit should be obtained prior to the expiration date.
- Monitor the General Permit expiration date (permit ID: GP-017A). This permit expires on May 19th, 2022. A new permit should be obtained prior to the expiration date.
- The Armory’s two 13.49 MMBTU/hr boilers require a combustion adjustment in order to meet the requirements of the Boiler Area Source Rule (40 CFR Part 63 Subpart JJJJJJ). The most recent combustion adjustment was on February 14, 2019 and will expire on February 14, 2020. A new combustion adjustment must be conducted prior to the expiration date.
- Though the OMS’s boiler does not require combustion adjustments to be performed annually, it is recommended that all boilers and generators >1 MMBTU/hr receive combustion adjustments annually.
- Retrofit the 13 Class II ODC-containing AC and evaporation units with an acceptable substitute.

The cost of the General Permit is $820 every five years. No other emission sources at this facility require a permit. The annual burner adjustments will cost $650 per year per facility. The estimated cost for a contractor to perform monthly visual checks is $260 per facility, or $3,120 annually.

Toms River Armory

While all rooms in the OMS and UTMB, and most of the rooms in the armory were accessible at the time of the survey, two rooms in the armory were not. It is recommended that arrangements be made to gain access to those rooms to survey for any FLB, ODC, and/or other air emission sources.

Fluorescent Light Ballast Survey

While the FLB survey did not identify any leaking ballasts that would require immediate

attention, the following actions are recommended:

- Determine the reason why 10 fluorescent fixtures in the armory and nine in the OMS were inoperable. These should be repaired and screened to determine if they use magnetic or electronic ballasts.
- De-energize and disassemble at least 10 percent of the magnetic ballasts to determine if their labels display “No PCBs”

Ozone Depleting Chemicals Survey

The ODC survey identified on unit containing Class I ODCs, and eight units containing Class II ODCs. Class I ODCs should have been phased out by 2005, and Class II ODCs are scheduled for complete phase out by 2020. R134A, RS-44b, R407C, and R290 are acceptable replacements for R22 in accordance with SNAP’s Section 612c of the Clean Air Act. R134A, RS-44b, and R407C have medium GWP levels, and due to new restrictions could become unacceptable alternatives to use in the future. Therefore, R290 is the recommended replacement for all nine units currently containing R12 or R22. The R12-containing drinking fountain should be retrofitted with R290, or entirely removed and properly disposed of. The large outdoor and rooftop AC units using R22 should be retrofitted with R290. A recommended action for small, R22-containing AC units is to continue to utilize the units in their current state and condition until they fail, at which point they should be replaced with a higher efficiency unit containing refrigerant with a low GWP.

Global Warming Potential Survey

Of the 17 refrigerant-containing units identified during the survey, 15 are confirmed to have medium-high GWP. A best management practice recommended by the EPA includes replacing R134A, R404A, and R410A with R290 (Propane) or other hydrocarbon blends to increase efficiency and reduce GWP. R290 is listed as an acceptable replacement in accordance with SNAP’s Section 612c of the Clean Air Act. The recommended action is to retrofit the large outdoor and rooftop AC units with R290 or another acceptable replacement refrigerant. The recommended action for the refrigerators, ice machines, water coolers, and small window AC units is to either perform the necessary retrofits, or continue to utilize the units in their current state and condition until they fail, at which point they should be replaced with a higher efficiency unit containing refrigerant with a low GWP.

Air Emissions Survey

The potential emissions for the facility do not exceed the Federal or the State “major source” threshold regulations. No units at this facility qualify as “major sources”, therefore no permits are required.

Therefore, the facility must do the following to maintain compliance:

- Retrofit the Class I ODC-containing water fountain with an acceptable substitute.
- Retrofit the Class II ODC-containing AC units with an acceptable substitute.

The estimated cost for a contractor to perform monthly visual checks is $260 per facility,

or $3,120 annually.

Tuckerton Armory
All rooms at the facility were accessible at the time of the survey.

Fluorescent Light Ballast Survey
While the FLB survey did not identify any leaking ballasts that would require immediate attention, the following actions are recommended:

- Determine why two fluorescent fixtures in the armory were inoperable. These should be repaired and screened to determine if they use magnetic or electronic ballasts.
- De-energize and disassemble at least 10 percent of the magnetic ballasts to determine if their labels display “No PCBs”

Ozone Depleting Chemicals Survey
The ODC survey identified one unit containing Class I ODCs, and one unit containing Class II ODCs. . Class I ODCs should have been phased out by 2005, and Class II ODCs are scheduled for complete phase out by 2020. R134A, RS-44b, R407C, and R290 are acceptable replacements for R22 in accordance with SNAP’s Section 612c of the Clean Air Act. R134A, RS-44b, and R407C have medium GWP levels, and due to new restrictions could become unacceptable alternatives to use in the future. Therefore, R290 is the recommended replacement for the two units currently containing R12 or R22. The R12-containing drinking fountain should be retrofitted with R290, or entirely removed and properly disposed of. Due to the fact that the R22-containing unit is a small AC unit, another recommended action is to continue to utilize the unit in its current state and condition until it fails, at which point it should be replaced with a higher efficiency unit containing refrigerant with a low GWP.

Global Warming Potential Survey
All five units identified during the survey have medium-high GWP. A best management practice recommended by the EPA includes replacing R134A, R404A, and R410A with R290 (Propane) or other hydrocarbon blends to increase efficiency and reduce GWP. R290 is listed as an acceptable replacement in accordance with SNAP’s Section 612c of the Clean Air Act. The recommended action for the refrigerators, ice machines, water coolers, and small window AC units is to either perform the necessary retrofits, or continue to utilize the units in their current state and condition until they fail, at which point they should be replaced with a higher efficiency unit containing refrigerant with a low GWP.

Air Emissions Survey
The potential emissions for the facility do not exceed the Federal or the State “major source” threshold regulations. However, the armory boiler is a “significant source” as the

heat input capacity is over 1 MMBTU/hr and requires a permit. The facility has a valid general permit (GP-017A) to operate the boilers and it expires on April 5th, 2022.

Therefore,

- Monitor the General Permit expiration date (permit ID: GP-017A). This permit expires on April 5th, 2022. A new permit should be obtained prior to the expiration date.
- Though the site has no boilers or generators that require combustion adjustments to be performed annually, it is recommended that all boilers and generators >1 MMBTU/hr receive combustion adjustments annually.
- Retrofit the Class I ODC-containing drinking fountain with an acceptable substitute.
- Retrofit the Class II ODC-containing AC unit with an acceptable substitute.

The cost of the General Permit is $820 every five years. No other emission sources at this facility require a permit. The estimated cost for a contractor to perform monthly visual checks is $260 per facility, or $3,120 annually.

Vineland Armory

While most of the rooms in the armory and OMS were accessible at the time of the survey, 16 in the armory and one in the OMS were not. It is recommended that arrangements be made to gain access to those rooms to survey for any FLB, ODC, and/or other air emission sources.

Fluorescent Light Ballast Survey

While the FLB survey did not identify any leaking ballasts that would require immediate attention, the following actions are recommended:

- Determine the reason why nine fluorescent fixtures in the armory and one in the OMS were inoperable. These should be repaired and screened to determine if they use magnetic or electronic ballasts.
- De-energize and disassemble at least 10 percent of the magnetic ballasts to determine if their labels display “No PCBs”.

Ozone Depleting Chemicals Survey

The ODC survey identified one unit potentially containing Class I ODCs, and 14 units containing Class II ODCs. Class I ODCs should have been phased out by 2005, and Class II ODCs are scheduled for complete phase out by 2020. R134A, RS-44b, R407C, and R290 are acceptable replacements for R22 in accordance with SNAP’s Section 612c of the Clean Air Act. R134A, RS-44b, and R407C have medium GWP levels, and

due to new restrictions could become unacceptable alternatives to use in the future. Therefore, R290 is the recommended replacement for all 15 units currently potentially containing R12 or R22. The recovery unit potentially containing R12 should be retrofitted with R290, or entirely removed and properly disposed of. Due to the fact that all R22 containing units were small AC units, another recommended action is to continue to utilize the units in their current state and condition until they fail, at which point they should be replaced with a higher efficiency unit containing refrigerant with a low GWP.

Global Warming Potential Survey

All of the refrigerant-containing units identified during the survey are confirmed to have medium-high GWP. A best management practice recommended by the EPA includes replacing R134A, R404A, and R410A with R290 (Propane) or other hydrocarbon blends to increase efficiency and reduce GWP. R290 is listed as an acceptable replacement in accordance with SNAP's Section 612c of the Clean Air Act. The recommended action for the refrigerators, ice machines, water coolers, and small window AC units is to either perform the necessary retrofits, or continue to utilize the units in their current state and condition until they fail, at which point they should be replaced with a higher efficiency unit containing refrigerant with a low GWP.

Air Emissions Survey

The emissions sources identified during this survey are included in Table VD11. The locations of these emission sources are presented in Figure VD1. Emission sources at the facility include two boilers, three water heaters, two IR heaters, a storage tank, a parts washer, and VOC-containing paints/solvents. The FMS water heater and boiler consume oil. The DTMB water heater, armory boiler and hot water heater, and drive through bay IR heaters consume natural gas. The storage tank stores oil. Both the actual and PTE for facility-wide emissions are presented in Table VD12.

The potential emissions for the facility do not exceed the Federal or the State "major source" threshold regulations. However, the Armory boiler is a "significant source" as the heat input capacity is over 1 MMBTU/hr and requires a permit. The facility has a valid general permit (GP-017A) to operate the boilers and it expires on May 3rd, 2022.

Therefore, the facility must do the following to maintain compliance:

- Monitor the General Permit expiration date (permit ID: GP-017A). This permit expires on May 3rd, 2022. A new permit should be obtained prior to the expiration date.
- Though the site has no boilers or generators that require combustion adjustments to be performed annually, it is recommended that all boilers and generators >1 MMBTU/hr receive combustion adjustments annually.
- Retrofit the potential Class I ODC-containing recovery system with an acceptable substitute.
- Retrofit the 14 Class II ODC-containing AC units with an acceptable substitute.

The cost of the General Permit is $820 every five years. No other emission sources at this facility require a permit. The estimated cost for a contractor to perform monthly visual checks is $260 per facility, or $3,120 annually.

Washington Armory

While most of the rooms at the facility were accessible at the time of the survey, six were not. It is recommended that arrangements be made to gain access to those rooms to survey for any FLB, ODC, and/or other air emission sources.

Fluorescent Light Ballast Survey

While the FLB survey did not identify any leaking ballasts that would require immediate attention, the following actions are recommended:

- Determine the reason why 24 fluorescent fixtures were inoperable. These should be repaired and screened to determine if they use magnetic or electronic ballasts.
- De-energize and disassemble at least 10 percent of the magnetic ballasts to determine if their labels display “No PCBs”

Ozone Depleting Chemicals Survey

The ODC survey identified eight units containing Class II ODCs. Class II ODCs are scheduled for complete phase out by 2020. R134A, RS-44b, R407C, and R290 are acceptable replacements for R22 in accordance with SNAP’s Section 612c of the Clean Air Act. R134A, RS-44b, and R407C have medium GWP levels, and due to new restrictions could become unacceptable alternatives to use in the future. Therefore, R290 is the recommended replacement for all eight units currently containing R22. The large outdoor and rooftop AC units using R22 should be retrofitted with R290. It can be recommended that small, R22-containing AC units continue to be utilized in their current state and condition until they fail, at which point they should be replaced with a higher efficiency unit containing a refrigerant with a low GWP.

Global Warming Potential Survey

All refrigerant-containing units identified during the survey are confirmed to have medium-high GWP. A best management practice recommended by the EPA includes replacing R134A, R404A, and R410A with R290 (Propane) or other hydrocarbon blends to increase efficiency and reduce GWP. R290 is listed as an acceptable replacement in accordance with SNAP’s Section 612c of the Clean Air Act. The recommended action is to retrofit the large outdoor and rooftop AC units with R290 or another acceptable replacement refrigerant. The recommended action for the refrigerators, ice machines, water coolers, and small window AC units is to either perform the necessary retrofits, or continue to utilize the units in their current state and condition until they fail, at which point they should be replaced with a higher efficiency unit containing refrigerant with a low GWP.

Air Emissions Survey

The emission sources identified during this survey are included in Table WT11. The locations of these emission sources are presented in Figure WT1. Emission sources at the facility include a boiler, hot water heater, two storage tanks, a propane tank, and VOC-containing paints/solvents. The boiler and hot water heater consume oil. The two storage tanks store oil. Both the actual and PTE for facility-wide emissions are presented in Table WT12.

The potential emissions for the facility do not exceed the Federal or the State "major source" threshold regulations. However, the Armory boiler is a "significant source" as the heat input capacity is over 1 MMBTU/hr and requires a permit. The facility has a valid general permit (GP-017A) to operate the boilers and it expires on April 21st, 2022.

Therefore, the facility must do the following to maintain compliance:

- Monitor the General Permit expiration date (permit ID: GP-017A). This permit expires on April 21st, 2022. A new permit should be obtained prior to the expiration date.
- The Armory's 2.646 MMBTU/hr boiler requires a combustion adjustment in order to meet the requirements of the Boiler Area Source Rule (40 CFR Part 63 Subpart JJJJJJ). The most recent combustion adjustment was on February 5th, 2019 and expires on February 5th, 2020. A new combustion adjustment must be conducted prior to the expiration date.
- Retrofit the eight Class II ODC-containing AC units with an acceptable substitute.

The cost of the General Permit is $820 every five years. No other emission sources at this facility require a permit. The annual burner adjustments will cost $650 per year per facility. The estimated cost for a contractor to perform monthly visual checks is $260 per facility, or $3,120 annually.

West Orange Complex

While all of the rooms in the computer shop, and most of the rooms in the armory, CSMS1, and CSMS2 were accessible at the time of the survey, 44 rooms in the armory, five in CSMS1, and two in CSMS2 were not. It is recommended that arrangements be made to gain access to those rooms to survey for any FLB, ODC, and/or other air emission sources.

Fluorescent Light Ballast Survey

While the FLB survey did not identify any leaking ballasts that would require immediate action, or any inoperable ballasts, the following action is recommended:

- De-energize and disassemble at least 10 percent of the magnetic ballasts in the armory to determine if their labels display "No PCBs".

Ozone Depleting Chemicals Survey

The ODC survey identified five units containing Class I ODCs, and seven units containing Class II ODCs. Class I ODCs should have been phased out by 2005, and Class II ODCs are scheduled for complete phase out by 2020. R23 is an acceptable replacement for R13. R134A, RS-44b, R407C, and R290 are acceptable replacements for R22 in accordance with SNAP's Section 612c of the Clean Air Act. R134A, RS-44b, and R407C have medium GWP levels, and due to new restrictions could become unacceptable alternatives to use in the future. Therefore, R23 is the recommended replacement for all four units containing R13, and R290 for all eight units using currently containing R12 or R22. The four R13-containing drinking fountains and one R12-containing refrigeration unit should be retrofitted with their respective acceptable replacement refrigerant, or entirely removed and properly disposed of. It can be recommended that small, R22-containing AC units continue to be utilized in their current state and condition until they fail, at which point they should be replaced with a more efficient unit with lower GWP.

Global Warming Potential Survey

Of the 23 refrigerant-containing units identified during the survey, 20 are confirmed to have medium-high GWP. A best management practice recommended by the EPA includes replacing R134A, R404A, and R410A with R290 (Propane) or other hydrocarbon blends to increase efficiency and reduce GWP. R290 is listed as an acceptable replacement in accordance with SNAP's Section 612c of the Clean Air Act. The recommended action is to retrofit the large outdoor and rooftop AC units with R290 or another acceptable replacement refrigerant. The recommended action for refrigerators, ice machines, water coolers, and small window AC units is to either perform the necessary retrofits, or continue to utilize the units in their current state and condition until they fail, at which point they should be replaced with a higher efficiency unit containing refrigerant with a low GWP.

Air Emissions Survey

The emission sources identified during this survey are included in Table WO11. The locations of these emission sources are presented in Figure WO1. Emission sources at the facility include seven boilers, four space heaters, a generator, welding operations, and VOC-containing paints/solvents. The boilers and space heaters consume natural gas. The generator consumes diesel. Both the actual and PTE for facility-wide emissions are presented in Table WO12.

The potential emissions for the facility do not exceed the Federal or the State “major source” threshold regulations. However, the Building 122 boilers are “significant sources” as each of their heat input capacities exceed 1 MMBTU/hr and require a permit. The facility has a valid general permit (GP-017) to operate the boilers and it expires on August 22, 2021.

Therefore, the facility must do the following to maintain compliance:

- Monitor the General Permit expiration date (permit ID: GP-017). This permit expires on August 22, 2021. A new permit should be obtained prior to the expiration date.
- The two boilers in Building 122 require combustion adjustments in order to meet the requirements of the Boiler Area Source Rule (40 CFR Part 63 Subpart JJJJJJ). The most recent combustion adjustment was on February 13, 2019 and expires on February 13, 2020. A new combustion adjustment must be conducted prior to the expiration date.
- Ensure the emergency generator operation complies with NJAC 7:27. This can be found in section 1.1.4 of this report.
- Retrofit the Class I ODC-containing drinking fountains and refrigeration unit with an acceptable substitute.
- Retrofit the Class II ODC-containing AC units with an acceptable substitute.

The cost of the General Permit is $820 every five years. No other emission sources at this facility require a permit. The annual burner adjustments will cost $650 per year per facility. The estimated cost for a contractor to perform monthly visual checks is $260 per facility, or $3,120 annually.

Westfield Armory

While all of the OMS and most of the armory were available at the time of the survey, 13 rooms in the armory were not. It is recommended that arrangements be made to gain access to those rooms to survey for any FLB, ODC, and/or other air emission sources.

The Westfield facility has several emission sources and are listed on Table 32-1, while their locations are presented on figures WD1 and WD2. Emission sources at the facility include three boilers, two storage tanks, and VOC containing equipment. These pieces of equipment either use natural gas, oil, or diesel. Both the actual and PTE for individual sources and facility wide emissions are presented on Tables 32-2.

Fluorescent Light Ballast Survey

While the FLB survey did not identify any leaking ballasts that would require immediate attention, the following actions are recommended:

- Determine the reason why 23 fluorescent fixtures in the armory, and three in the OMS, were inoperable. These should be repaired and screened to determine if they use magnetic or electronic ballasts.
- De-energize and disassemble the one magnetic ballast in the armory to determine if their labels display “No PCBs”

Ozone Depleting Chemicals Survey

The ODC survey identified 17 units containing Class II ODCs. Class II ODCs are scheduled for complete phase out by 2020. R134A, RS-44b, R407C, and R290 are acceptable replacements for R22 in accordance with SNAP’s Section 612c of the Clean Air Act. R134A, RS-44b, and R407C have medium GWP levels, and due to new restrictions could become unacceptable alternatives to use in the future. Therefore R290 is the recommended replacement for all 17 units currently containing R22 However, due to the fact that all R22 containing units were small AC units, another recommended action is to continue to utilize the units in their current state and condition until they fail, at which point they should be replaced with a higher efficiency unit containing refrigerant with a low GWP.

Global Warming Potential Survey

Of the 46 refrigerant-containing units identified during the survey, 37 are confirmed to have medium-high GWP. A best management practice recommended by the EPA includes replacing R134A, R404A, and R410A with R290 (Propane) or other hydrocarbon blends to increase efficiency and reduce GWP. R290 is listed as an acceptable replacement in accordance with SNAP’s Section 612c of the Clean Air Act. The recommended action for refrigerators, ice machines, water coolers, and small window AC units is to either perform the necessary retrofits, or continue to utilize the units in their current state and condition until they fail, at which point they should be replaced with a higher efficiency unit containing refrigerant with a low GWP.

Air Emissions Survey

The emission sources identified during this survey are included Table WD11. The locations of these emission sources are presented in Figure WD1. Emission sources at the facility include three boilers, two storage tanks, and VOC-containing paints/solvents. The armory’s “Boiler 1” and the FMS’s boiler consume natural gas. The armory’s “Boiler 2” consume oil. The storage tank outside the armory stores diesel, and the tank outside the FMS stores oil. Both the actual and PTE for facility-wide emissions are presented in Table WD12.

The potential emissions for the facility do not exceed the Federal or the State “major source” threshold regulations. However, the Armory boilers are “significant sources” as each of their heat input capacities exceed 1 MMBTU/hr and require a permit. The facility has a valid general permit (GP-017A) to operate the boilers and it expires on April 21st, 2022.

Therefore, the facility must do the following to maintain compliance:

- Monitor the General Permit expiration date (permit ID: GP-017A). This permit

expires on February 1st, 2023. A new permit should be obtained prior to the expiration date.
- Though the site has no boilers or generators that require combustion adjustments to be performed annually, it is recommended that all boilers and generators >1 MMBTU/hr receive combustion adjustments annually.
- Retrofit the 17 Class II ODC-containing AC units with an acceptable substitute.

The cost of the General Permit is $820 every five years. No other emission sources at this facility require a permit. The estimated cost for a contractor to perform monthly visual checks is $260 per facility, or $3,120 annually.

Woodbridge Armory

While most rooms in the armory were accessible at the time of the survey, 11 were not. It is recommended that arrangements be made to gain access to those rooms to survey for any FLB, ODC, and/or other air emission sources.

Fluorescent Light Ballast Survey

While the FLB survey did not identify any leaking ballasts that would require immediate attention, or inoperable fluorescent fixtures, the following action is recommended:

- De-energize and disassemble the one magnetic ballast in the armory to determine if their labels display “No PCBs”

Ozone Depleting Chemicals Survey

The ODC survey identified eight units containing Class II ODCs. Class II ODCs are scheduled for complete phase out by 2020. R134A, RS-44b, R407C, and R290 are acceptable replacements for R22 in accordance with SNAP’s Section 612c of the Clean Air Act. R134A, RS-44b, and R407C have medium GWP levels, and due to new restrictions could become unacceptable alternatives to use in the future. Therefore, R290 is the recommended replacement for all eight units currently containing R22. However, due to the fact that all R22 containing units were small AC units, another recommended action is to continue to utilize the units in their current state and condition until they fail, at which point they should be replaced with a higher efficiency unit containing refrigerant with a low GWP.

Global Warming Potential Survey

All 17 refrigerant-containing units identified during the survey are confirmed to have medium-high GWP. A best management practice recommended by the EPA includes replacing R134A, R404A, and R410A with R290 (Propane) or other hydrocarbon blends to increase efficiency and reduce GWP. R290 is listed as an acceptable replacement in accordance with SNAP’s Section 612c of the Clean Air Act. The recommended action for refrigerators, ice machines, water coolers, and small window AC units is to either

perform the necessary retrofits, or continue to utilize the units in their current state and condition until they fail, at which point they should be replaced with a higher efficiency unit containing refrigerant with a low GWP.

Air Emissions Survey

The emission sources identified during this survey are included in Table WE11. The locations of these emission sources are presented in Figure WE1. Emission sources at this facility include two boilers. Both boilers consume natural gas. Both the actual and PTE for facility-wide emissions are presented in Table WE12.

The potential emissions for the facility do not exceed the Federal or the State “major source” threshold regulations. However, the Armory boilers are “significant sources” as each of their heat input capacities exceed 1 MMBTU/hr and require a permit. The facility has a valid general permit (GP-017A) to operate the boilers and it expires on April 21st, 2022.

Therefore, the facility must do the following to maintain compliance:

- Monitor the General Permit expiration date (permit ID: GP-017A). This permit expires on April 21st, 2022. A new permit should be obtained prior to the expiration date.
- Though the site has no boilers or generators that require combustion adjustments to be performed annually, it is recommended that all boilers and generators >1 MMBTU/hr receive combustion adjustments annually.
- Retrofit the eight Class II ODC-containing AC units with an acceptable substitute.

The cost of the General Permit is $820 every five years. No other emission sources at this facility require a permit. The estimated cost for a contractor to perform monthly visual checks is $260 per facility, or $3,120 annually.

Woodbury Armory

While all rooms in MVSB-1 and MVSB-2, and most rooms in the armory, were accessible at the time of the survey, seven in the armory were not. Additionally, MVSB-3 was not accessible. It is recommended that arrangements be made to gain access to those rooms and buildings to survey for any FLB, ODC, and/or other air emission sources.

Fluorescent Light Ballast Survey

While the FLB survey did not identify any leaking ballasts that would require immediate attention, the following actions are recommended:

- Determine the reason why 34 fluorescent fixtures in the armory were inoperable. These should be repaired and screened to determine if they use magnetic or electronic ballasts.

- De-energize and disassemble at least 10 percent of the magnetic ballasts to determine if their labels display “No PCBs”

Ozone Depleting Chemicals Survey

The ODC survey identified two units containing Class I ODCs, and three units containing Class II ODCs. Class I ODCs should have been phased out by 2005, and Class II ODCs are scheduled for complete phase out by 2020. R134A, RS-44b, R407C, and R290 are acceptable replacements for R22 in accordance with SNAP’s Section 612c of the Clean Air Act. R134A, RS-44b, and R407C have medium GWP levels, and due to new restrictions could become unacceptable alternatives to use in the future. Therefore, R290 is the recommended replacement for all five units currently containing R12 or R22. The R12-containing drinking fountain and refrigeration unit should be retrofitted with R290, or entirely removed and properly disposed of. It can be recommended that small, R22-containing AC units continue to be utilized in their current state and condition until they fail, at which point they should be replaced with a more efficient unit with lower GWP.

Global Warming Potential Survey

Of the 23 refrigerant-containing units identified during the survey, 20 are confirmed to have medium-high GWP. . A best management practice recommended by the EPA includes replacing R134A, R404A, and R410A with R290 (Propane) or other hydrocarbon blends to increase efficiency and reduce GWP. R290 is listed as an acceptable replacement in accordance with SNAP’s Section 612c of the Clean Air Act. The recommended action for refrigerators, ice machines, water coolers, and small window AC units is to either perform the necessary retrofits, or continue to utilize the units in their current state and condition until they fail, at which point they should be replaced with a higher efficiency unit containing refrigerant with a low GWP.

Air Emissions Survey

The emission sources identified during this survey are included in Table WY11. The locations of these emission sources are presented in Figure WY1. Emission sources at this facility include a boiler, hot water heater, parts washer, and VOC-containing paints/solvents. The boiler and hot water heater consume natural gasses. Both the actual and PTE for facility-wide emissions are presented in Table WY12.

The potential emissions for the facility do not exceed the Federal or the State “major source” threshold regulations. However, the Armory boiler is a “significant source” as the heat input capacity is over 1 MMBTU/hr and requires a permit. The facility has a valid general permit (GP-017) to operate the boilers and it expires on August 8th, 2021.

Therefore, the facility must do the following to maintain compliance:

- Monitor the General Permit expiration date (permit ID: GP-017). This permit expires on August 8th, 2021. A new permit should be obtained prior to the expiration date.

- Though the site has no boilers or generators that require combustion adjustments to be performed annually, it is recommended that all boilers and generators >1 MMBTU/hr receive combustion adjustments annually.
- Retrofit the Class I ODC-containing drinking fountain and refrigeration units with an acceptable substitute.
- Retrofit the three Class II ODC-containing AC units with an acceptable substitute.

The cost of the General Permit is $820 every five years. No other emission sources at this facility require a permit. The estimated cost for a contractor to perform monthly visual checks is $260 per facility, or $3,120 annually.

Woodstown Armory

While most rooms in the armory were accessible at the time of the survey, three were not. It is recommended that arrangements be made to gain access to those rooms to survey for any FLB, ODC, and/or other air emission sources.

Fluorescent Light Ballast Survey

While the FLB survey did not identify any leaking ballasts that would require immediate attention, the following actions are recommended:

- Determine the reason why 20 fluorescent fixtures were inoperable. These should be repaired and screened to determine if they use magnetic or electronic ballasts.
- De-energize and disassemble 10 magnetic ballasts to determine if their labels display “No PCBs”

Ozone Depleting Chemicals Survey

The ODC survey identified five units contained Class II ODCs. Class II ODCs are scheduled for complete phase out by 2020. R134A, RS-44b, R407C, and R290 are acceptable replacements for R22 in accordance with SNAP’s Section 612c of the Clean Air Act. R134A, RS-44b, and R407C have medium GWP levels, and due to new restrictions could become unacceptable alternatives to use in the future. Therefore, R290 is the recommended replacement for all 22 units currently containing R22. . However, due to the fact that all R22 containing units were small AC units, another recommended action is to continue to utilize the units in their current state and condition until they fail, at which point they should be replaced with a higher efficiency unit containing refrigerant with a low GWP.

Global Warming Potential Survey

Of the 17 refrigerant-containing units identified during the survey, 16 are confirmed to

have medium GWP. A best management practice recommended by the EPA includes replacing R134A, R404A, and R410A with R290 (Propane) or other hydrocarbon blends to increase efficiency and reduce GWP. R290 is listed as an acceptable replacement in accordance with SNAP's Section 612c of the Clean Air Act. The recommended action for refrigerators, ice machines, water coolers, and small window AC units is to either perform the necessary retrofits, or continue to utilize the units in their current state and condition until they fail, at which point they should be replaced with a higher efficiency unit containing refrigerant with a low GWP.

Air Emissions Survey

The emission sources identified during this survey are included in Table WN11. The locations of these emission sources are presented in Figure WN1. Emission sources at the facility include two boilers, two heaters, a storage tank, and VOC-containing paints/solvents. All boilers and heaters consume oil. The storage tank stores heating oil. Both the actual and PTE for facility-wide emissions are presented in Table WN12.

The potential emissions for the facility do not exceed the Federal or the State "major source" threshold regulations. However, the Armory water heater and boilers are a "significant source" as the heat input capacity is over 1 MMBTU/hr and require a permit. The facility has a valid general permit (GP-017) to operate the equipment and it expires on June 11th, 2023.

Therefore, the facility must do the following to maintain compliance:

- Monitor the General Permit expiration date (permit ID: GP-017). This permit expires on June 11th, 2023. A new permit should be obtained prior to the expiration date.
- The two 4.2 MMBTU/hr boilers in the Armory require combustion adjustments every year in order to meet the requirements of the Boiler Area Source Rule (40 CFR Part 63 Subpart JJJJJJ). The most recent combustion adjustment for these boilers was conducted on January 31, 2019 and expires on January 31, 2020. Another burner adjustment will have to be conducted before the current adjustment expires.
- Retrofit the five Class II ODC-containing AC units with an acceptable substitute.

The cost of the General Permit (GP-017) needed to operate the boiler is $820 every five years. No other emission sources at this facility require a permit. The annual burner adjustments will cost $650 per year per facility. The estimated cost for a contractor to perform monthly visual checks is $260 per facility, or $3,120 annually.

Table 1

Fluorescent Light Ballast Data

Table AY1
Light Ballast Survey

Date: 5/22/2017
Surveyors: Devin Walker, Rosalie Hood, Jonathan McKinnon
Facility Name: Atlantic City
Armorer: Jake Falana

Building (Armory, FMS, Warehouse, MVSB,CSMS)	Floor	Room	Room Accessible (Y/N)	Number of Fluorescent Light Fixtures	Number of Inoperable Fluorescent Light Fixtures	Number of Magnetic Ballast	Number of Electronic Ballast	Number of Leaking Ballast	Number of LED	Notes
Armory	1	101	Y	1	0	0	0	0	1	Foyer
Armory	1	101A	Y	4	0	0	0	0	4	
Armory	1	101B	Y	2	0	0	0	0	2	
Armory	1	101C	Y	0	0	0	0	0	0	No FLBs
Armory	1	102	Y	6	0	0	0	0	6	
Armory	1	103	Y	10	0	0	0	0	10	
Armory	1	105	Y	7	0	0	0	0	7	
Armory	1	104A	Y	5	0	0	5	0	0	
Armory	1	104B	Y	2	0	1	1	0	0	
Armory	1	106	Y	4	0	0	0	0	4	
Armory	1	107	Y	2	0	0	0	0	2	
Armory	1	108	Y	1	0	0	0	0	1	
Armory	1	109	Y	2	0	0	0	0	2	
Armory	1	110	N	Null	Null	Null	Null	Null	Null	no access
Armory	1	110H	Y	1	0	0	0	0	1	Hall
Armory	1	111	Y	56	0	0	0	0	56	
Armory	1	112	Y	7	1	Null	Null	Null	6	
Armory	1	113	Y	6	0	Null	Null	Null	6	
Armory	1	114	N	Null	Null	Null	Null	Null	Null	vault
Armory	1	115	Y	4	0	0	4	0	0	
Armory	1	116	Y	15	0	0	15	0	0	
Armory	1	116H	Y	3	0	3	0	0	0	
Armory	1	117	Y	9	0	0	9	0	0	
Armory	1	124	Y	14	1	13	0	0	0	
Armory	1	119	Y	2	0	0	2	0	0	
Armory	1	120	Y	6	0	0	6	0	0	
Armory	1	121	Y	6	0	0	6	0	0	
Armory	1	122	Y	6	0	0	6	0	0	closet not on floor plan
Armory	1	123	Y	4	0	0	4	0	0	
Armory	1	118	Y	3	0	3	0	0	0	
Armory	1	125	Y	2	0	2	0	0	0	
Armory	1	126	Y	2	0	0	2	0	0	
Armory	2	200	Y	2	0	0	0	0	2	
Armory	2	201	Y	2	0	0	0	0	2	
Armory	2	202	Y	2	0	0	0	0	2	
Armory	2	203	Y	2	0	0	0	0	2	
Armory	2	199	Y	2	0	0	0	0	2	2nd Floor Landing
Armory	2	204	Y	3	0	0	0	0	3	
Armory	2	205	Y	3	0	0	0	0	3	
Armory	2	206	Y	4	0	0	0	0	4	
Armory	2	207	Y	4	0	0	0	0	4	
Armory	2	208	Y	4	0	0	0	0	4	
Armory	2	209	Y	4	0	0	0	0	4	
Armory	2	210	Y	4	0	0	0	0	4	
Armory	2	211	Y	5	0	0	0	0	5	
Armory	2	212	Y	1	0	0	0	0	1	
Armory	2	213	Y	1	0	0	0	0	1	
Armory	2	214	Y	6	0	0	0	0	6	
Armory	2	215	Y	3	0	0	3	0	0	
Armory	2	215A	N	Null	Null	Null	Null	Null	Null	no access
Armory	2	216	Y	0	0	0	0	0	0	No FLBs
Armory	2	217	Y	0	0	0	0	0	0	No FLBs
Armory	2	218	Y	22	Null	Null	Null	Null	22	
Armory	2	219	Y	1	Null	Null	Null	Null	1	
Armory	2	220	Y	3	Null	Null	Null	Null	3	
Armory	2	221	Y	6	Null	Null	Null	Null	6	
Armory	3	300	Y	3	Null	Null	Null	Null	3	
Armory	3	301	Y	2	Null	Null	Null	Null	2	
Armory	3	302	Y	1	Null	Null	Null	Null	1	
Armory	3	303	Y	4	Null	Null	Null	Null	4	
Armory	3	304	Y	2	Null	Null	Null	Null	2	
FMS	1	101	Y	2	0	2	0	0	0	not all lights were accessible

	Number of Fluorescent Light Fixtures	Number of Inoperable Fluorescent Light Ballasts	Number of Magnetic Ballast	Number of Electronic Ballast	Number of Leaking Ballast	Number of LED
Armory Totals:	288	2	22	63	0	201
FMS Totals:	2	0	2	0	0	0
Facility Totals:	290	2	24	63	0	201

Table BT1
Light Ballast Survey

Date: July 11, 2017
Surveyors: Rosalie Hood, and Jon Mckinnon
Facility Name: Bordentown
Armorer: Sam DelPidio

Building (Armory, FMS, Warehouse, MVSB,CSMS)	Floor	Room	Room Accessible (Y/N)	Number of Fluorescent Light Fixtures	Number of Inoperable Fluorescent Light Fixtures	Number of Magnetic Ballast	Number of Electronic Ballast	Number of Leaking Ballast
ARMORY	1	100	Y	4	0	0	4	0
ARMORY	1	100H	Y	1	0	0	1	0
ARMORY	1	101	Y	12	0	0	12	0
ARMORY	1	102	Y	25	0	0	25	0
ARMORY	1	102H	Y	1	0	0	1	0
ARMORY	1	103	Y	12	0	0	12	0
ARMORY	1	104	Y	2	0	0	2	0
ARMORY	1	105	Y	2	0	0	2	0
ARMORY	1	106H	Y	1	0	0	1	0
ARMORY	1	107	Y	2	0	0	2	0
ARMORY	1	108	N	N/A	N/A	N/A	N/A	N/A
ARMORY	1	109	Y	2	0	0	2	0
ARMORY	1	110	Y	2	0	0	2	0
ARMORY	1	111	Y	2	0	0	2	0
ARMORY	1	112	N	N/A	N/A	N/A	N/A	N/A
ARMORY	1	113	Y	2	0	0	2	0
ARMORY	1	114	Y	2	0	0	2	0
ARMORY	1	115	Y	2	0	0	2	0
ARMORY	1	116	Y	2	0	0	2	0
ARMORY	1	117	Y	2	0	0	2	0
ARMORY	1	118	Y	2	0	0	2	0
ARMORY	1	119	N	N/A	N/A	N/A	N/A	N/A
ARMORY	1	120	Y	2	0	0	2	0
ARMORY	1	121	Y	2	0	0	2	0
ARMORY	1	122	Y	12	1	0	11	0
ARMORY	1	123	Y	3	1	0	2	0
ARMORY	1	124	Y	3	0	0	3	0
ARMORY	1	125	Y	16	0	0	16	0
ARMORY	1	126	Y	12	0	0	12	0
ARMORY	1	127	Y	7	1	0	6	0
ARMORY	1	127H	Y	3	0	0	0	0
ARMORY	1	128	Y	2	0	0	2	0
ARMORY	1	129	N	N/A	N/A	N/A	N/A	N/A
ARMORY	1	130	N	N/A	N/A	N/A	N/A	N/A
ARMORY	1	131	Y	3	0	0	3	0
ARMORY	1	132	Y	6	0	0	6	0
ARMORY	1	133	Y	4	0	0	4	0
ARMORY	1	134	Y	5	0	0	5	0
OMS	1	OMS-100	Y	25	0	0	25	0
OMS	1	OMS-100A	Y	1	0	0	1	0
OMS	1	OMS-100B	Y	1	0	0	1	0
OMS	1	OMS-100C	Y	0	0	0	0	0
OMS	1	OMS-101	Y	13			13	0
OMS	1	OMS-102	Y	4	0	0	4	0
OMS	1	OMS-103	Y	3	0	0	3	0
OMS	1	OMS-104	Y	3	0	0	3	0
OMS	1	OMS-105	Y	5	0	0	5	0
OMS	1	OMS-106	Y	5	0	0	5	0
OMS	1	OMS-107	N	N/A	N/A	N/A	N/A	N/A
OMS	1	OMS-108	N	N/A	N/A	N/A	N/A	N/A

	Number of Fluorescent Light Fixtures	Number of Inoperable Fluorescent Light Ballasts	Number of Magnetic Ballast	Number of Electronic Ballast	Number of Leaking Ballast
Armory Totals:	160	3	0	154	0
OMS Totals:	60	0	0	60	0
Facility Totals:	220	3	0	214	0

Table BN1
Light Ballast Survey

Date: 6/21/2017
Surveyors: Devin Walker, Rosalie Hood, Jonathan McKinnon
Facility Name: Bridgeton
Armorer: Phil Fiore

Building (Armory, FMS, Warehouse, MVSB, CSMS)	Floor	Room	Room Accessible (Y/N)	Number of Fluorescent Light Fixtures	Number of Inoperable Fluorescent Light Fixtures	Number of Magnetic Ballast	Number of Electronic Ballast	Number of Leaking Ballast	Number of LED
Armory	1	100	Y	7	1	5	1	0	0
Armory	1	101	Y	14	0	13	1	0	0
Armory	1	102A	Y	7	0	4	3	0	0
Armory	1	102B	Y	8	0	7	1	0	0
Armory	1	102C	Y	4	0	4	0	0	0
Armory	1	103	Y	0	0	0	0	0	No FLBs
Armory	1	104	Y	1	0	0	1	0	0
Armory	1	105	Y	4	1	0	3	0	0
Armory	1	106	Y	8	1	1	6	0	0
Armory	1	107	Y	0	0	0	0	0	No FLBs
Armory	1	108	Y	0	0	0	0	0	No FLBs
Armory	1	109	Y	0	0	0	0	0	No FLBs
Armory	1	110	Y	3	2	1	0	0	0
Armory	1	111	Y	0	0	0	0	0	No FLBs
Armory	1	112	Y	0	0	0	0	0	No FLBs
Installation Storage	1	100	Y	3	0	3	0	0	0
Installation Storage	1	101	Y	9	1	5	3	0	0

	Number of Fluorescent Light Fixtures	Number of Inoperable Fluorescent Light Ballasts	Number of Magnetic Ballast	Number of Electronic Ballast	Number of Leaking Ballast	Number of LED
Armory Total:	56	5	35	16	0	0
Storage Total:	12	1	8	3	0	0
Facility Total:	68	6	43	19	0	0

Table CY1
Light Ballast Survey

Date: 6/22/2017
Surveyors: Devin Walker, Rosalie Hood, Jonathan McKinnon
Facility Name: Cape May
Armorer: Steve Allay

Building (Armory, FMS, Warehouse, MVSB,CSMS)	Floor	Room	Room Accessible (Y/N)	Number of Fluorescent Light Fixtures	Number of Inoperable Fluorescent Light Fixtures	Number of Magnetic Ballast	Number of Electronic Ballast	Number of Leaking Ballast	Number of LED
ARMORY	1	100	Y	8	0	2	6	0	0
ARMORY	1	100A	Y	11	0	0	11	0	0
ARMORY	1	100B	Y	8	0	0	8	0	0
ARMORY	1	101	Y	2	0	2	0	0	0
ARMORY	1	102	Y	2	0	0	2	0	0
ARMORY	1	103	Y	2	0	1	1	0	0
ARMORY	1	104	Y	2	0	2	0	0	0
ARMORY	1	105	Y	2	0	2	0	0	0
ARMORY	1	106	Y	2	0	2	0	0	0
ARMORY	1	107	Y	4	0	2	2	0	0
ARMORY	1	108	Y	4	0	2	2	0	0
ARMORY	1	109	Y	2	0	2	0	0	0
ARMORY	1	110	Y	2	0	2	0	0	0
ARMORY	1	111	Y	6	0	5	1	0	0
ARMORY	1	112	Y	2	0	0	2	0	0
ARMORY	1	113	Y	2	0	1	1	0	0
ARMORY	1	114	Y	6	0	5	1	0	0
ARMORY	1	115	Y	2	0	2	0	0	0
ARMORY	1	116	Y	2	0	2	0	0	0
ARMORY	1	117	Y	3	0	0	3	0	0
ARMORY	1	118	Y	2	0	2	0	0	0
ARMORY	1	119	Y	4	0	0	4	0	0
ARMORY	1	120	Y	5	0	1	4	0	0
ARMORY	1	121	Y	5	0	4	1	0	0
ARMORY	1	122	Y	17	0	0	17	0	0
ARMORY	1	123	Y	0	0	0	0	0	0
ARMORY	1	124	Y	10	0	3	7	0	0
ARMORY	1	125	Y	0	0	0	0	0	0
ARMORY	1	126	Y	0	0	0	0	0	0
ARMORY	1	127	Y	18	0	0	18	0	0
ARMORY	1	128	Y	9	0	0	9	0	0
ARMORY	1	129	Y	14	2	12	0	0	0
ARMORY	1	130	Y	9	3	6	0	0	0
ARMORY	1	Vault	N	N/A	N/A	N/A	N/A	N/A	0
ARMORY	1	Vault	N	N/A	N/A	N/A	N/A	N/A	0
ARMORY	1	Vault	N	N/A	N/A	N/A	N/A	N/A	0
FMS	1	101A	Y	1	0	0	1	0	0
FMS	1	101	Y	3	0	0	3	0	0
FMS	1	102	Y	6	0	0	6	0	0
FMS	1	103	Y	1	0	0	1	0	0
FMS	1	104	Y	2	0	0	2	0	0
FMS	1	105	Y	54	4	0	50	0	0
MVSB	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

	Number of Fluorescent Light Fixtures	Number of Inoperable Fluorescent Light Ballasts	Number of Magnetic Ballast	Number of Electronic Ballast	Number of Leaking Ballast	Number of LED
Armory Total:	167	5	62	100	0	0
FMS Total:	67	0	0	63	0	0
Facility Total:	234	5	62	163	0	0

Table CL1
Light Ballast Survey

Date: 6/29/2017
Surveyors: Devin Walker, Rosalie Hood, Jonathan McKinnon
Facility Name: Cherry Hill
Armorer: Ed Torres

Building (Armory, FMS, Warehouse, MVSB,CSMS)	Floor	Room	Room Accessible (Y/N)	Number of Fluorescent Light Fixtures	Number of Inoperable Fluorescent Light Fixtures	Number of Magnetic Ballast	Number of Electronic Ballast	Number of Leaking Ballast	Number of LED
Armory	1	O-1	Y	7	2	0	5	0	0
Armory	1	O-2	Y	2	0	0	2	0	0
Armory	1	O-3	Y	2	0	0	2	0	0
Armory	1	O-4	Y	2	0	0	2	0	0
Armory	1	O-5	Y	2	0	0	2	0	0
Armory	1	O-6	Y	3	0	0	3	0	0
Armory	1	O-7	Y	3	0	0	3	0	0
Armory	1	O-8	Y	1	0	0	1	0	0
Armory	1	O-9	Y	8	1	0	7	0	0
Armory	1	162	Y	2	1	0	1	0	0
Armory	1	O-19	Y	2	0	0	2	0	0
Armory	1	O-18	Y	3	0	0	3	0	0
Armory	1	O-17	Y	1	0	0	1	0	0
Armory	1	158	Y	2	0	2	0	0	0
Armory	1	O-16	Y	1	0	0	1	0	0
Armory	1	O-15	Y	2	0	0	2	0	0
Armory	1	O-14	Y	3	0	0	3	0	0
Armory	1	100F	Y	6	0	0	6	0	0
Armory	1	171	Y	4	0	0	4	0	0
Armory	1	170	Y	4	0	0	4	0	0
Armory	1	170A	Y	1	0	0	1	0	0
Armory	1	170B	Y	2	0	0	2	0	0
Armory	1	130	Y	4	0	0	4	0	0
Armory	1	100H	Y	11	1	0	10	0	0
Armory	1	163	Y	3	1	0	2	0	0
Armory	1	146	Y	7	0	0	7	0	0
Armory	1	145	Y	2	0	0	2	0	0
Armory	1	143	Y	2	0	0	2	0	0
Armory	1	138	Y	8	2	6	0	0	0
Armory	1	173	Y	7	2	0	5	0	0
Armory	1	136	Y	7	1	0	6	0	0
Armory	1	115	Y	20	12	7	1	0	0
Armory	1	116	Y	0	0	0	0	0	0
Armory	1	117	Y	0	0	0	0	0	0
Armory	1	114	Y	0	0	0	0	0	0
Armory	1	113	Y	1	0	1	0	0	0
Armory	1	111	Y	0	0	0	0	0	0
Armory	1	120	N	N/A	N/A	N/A	N/A	N/A	N/A
Armory	1	121	N	N/A	N/A	N/A	N/A	N/A	N/A
Armory	1	125	Y	12	7	0	5	0	0
Armory	1	127	Y	22	2	0	20	0	0
Armory	1	128	Y	0	0	0	0	0	0
Armory	1	101	Y	6	0	0	6	0	0
Armory	1	102-104	Y	14	1	11	2	0	0
Armory	1	131	Y	2	0	0	2	0	0
Armory	1	132	Y	1	0	0	1	0	0
Armory	1	134	Y	2	0	0	2	0	0
Armory	1	172	Y	8	2	1	5	0	0
Armory	1	120D	Y	21	0	0	0	0	21
Armory	1	115	Y	20	12	7	1	0	0
Armory	1	101H	Y	6	0	0	6	0	0
Armory	1	122	Y	10	10	0	0	0	0
Armory	1	123	Y	8	8	0	0	0	0
Armory	1	124	Y	8	1	0	7	0	0
Armory	1	125	Y	12	7	5	0	0	0
Armory	1	126	N	N/A	N/A	N/A	N/A	N/A	N/A
Armory	1	127	Y	22	2	0	20	0	0
FMS	1	100	Y	21	9	12	0	0	0
FMS	1	101	Y	1	0	0	1	0	0
FMS	1	102	Y	4	0	2	2	0	0
FMS	1	103	Y	6	1	5	0	0	0
FMS	1	104	Y	0	0	0	0	0	0
FMS	1	105	Y	0	0	0	0	0	0

	Number of Fluorescent Light Fixtures	Number of Inoperable Fluorescent Light Ballasts	Number of Magnetic Ballast	Number of Electronic Ballast	Number of Leaking Ballast	Number of LED
Armory Total:	309	75	40	173	0	21
FMS Total:	32	10	19	3	0	0
Facility Total:	341	85	59	176	0	21

Table DR1
Light Ballast Survey Data

Date: 6/22/2017
Surveyors: Bill McBride, Hannah Buckley, Hunter Davis
Armory Name: Dover
Armorer: Charles Rissmiller

Building (Armory, FMS, Warehouse, MVSB,CSMS)	Floor	Room	Room Accessible (Y/N)	Number of Fluorescent Light Fixtures	Number of Inoperable Fluorescent Light Fixtures	Number of Magnetic Ballast	Number of Electronic Ballast	Number of Leaking Ballast	Number of LED	Number of Unreachable Ballast
ARMORY	1	108	Y	9	5	0	4	0	0	0
ARMORY	1	141	Y	13	3	9	0	0	1	0
ARMORY	1	107	Y	1	0	0	0	0	1	0
ARMORY	1	126	N	NA	NA	NA	NA	NA	NA	NA
ARMORY	1	106	Y	0	0	0	0	0	0	0
ARMORY	1	105	Y	1	0	0	0	0	1	0
ARMORY	1	102	Y	18	0	0	0	0	18	0
ARMORY	1	104	Y	15	9	6	0	0	0	0
ARMORY	1	103	Y	11	5	0	6	0	0	0
ARMORY	1	133	Y	0	0	0	0	0	0	0
ARMORY	1	100	Y	2	0	0	0	0	2	0
ARMORY	1	109	Y	4	0	0	0	0	4	0
ARMORY	1	140	Y	2	0	0	1	0	0	1
ARMORY	1	101	Y	0	0	0	0	0	0	0
ARMORY	1	134	Y	0	0	0	0	0	0	0
ARMORY	1	135	Y	3	0	0	0	0	3	0
ARMORY	1	127	N	NA	NA	NA	NA	NA	NA	NA
ARMORY	1	128	N	NA	NA	NA	NA	NA	NA	NA
ARMORY	1	125	N	NA	NA	NA	NA	NA	NA	NA
ARMORY	1	124	N	NA	NA	NA	NA	NA	NA	NA
ARMORY	1	123	N	NA	NA	NA	NA	NA	NA	NA
ARMORY	1	122	N	NA	NA	NA	NA	NA	NA	NA
ARMORY	1	138	Y	4	0	0	4	0	0	0
ARMORY	1	137	Y	1	0	0	0	0	1	0
ARMORY	1	136	Y	2	0	0	0	0	2	0
ARMORY	1	118	Y	0	0	0	0	0	0	0
ARMORY	1	119	N	NA	NA	NA	NA	NA	NA	NA
ARMORY	1	120	Y	4	1	3	0	0	0	0
ARMORY	1	121	Y	8	3	5	0	0	0	0
ARMORY	2	213	Y	1	0	1	0	0	0	0
ARMORY	2	209	Y	2	0	2	0	0	0	0
ARMORY	2	211	Y	1	1	0	0	0	0	0
ARMORY	2	206	Y	2	0	0	0	0	0	2
ARMORY	2	201	Y	6	2	0	0	0	1	0
ARMORY	2	201C	Y	1	0	1	0	0	0	0
ARMORY	2	200	Y	4	0	4	0	0	0	0
ARMORY	2	202	Y	6	1	5	0	0	0	0
ARMORY	2	203	Y	2	1	1	0	0	0	0
ARMORY	2	215	Y	2	0	0	0	0	0	2
ARMORY	2	210	Y	4	0	4	0	0	0	0
ARMORY	2	212	Y	1	0	1	0	0	0	0
ARMORY	2	214	Y	1	0	1	0	0	0	0
ARMORY	2	208	Y	7	4	3	0	0	0	0
OMS	1	101	Y	4	0	4	0	0	0	0
OMS	1	102	Y	0	0	0	0	0	0	0
OMS	1	106	Y	2	0	0	2	0	0	0
OMS	1	104	Y	1	0	0	1	0	0	0
OMS	1	105	Y	1	0	1	0	0	0	0
OMS	1	103	Y	0	0	0	0	0	0	0
OMS	1	107	Y	4	0	3	1	0	0	0
OMS	1	108	Y	5	0	2	3	0	0	0
OMS	1	109	Y	2	0	2	0	0	0	0
OMS	1	111	Y	2	0	0	2	0	0	0
OMS	1	110	Y	2	1	0	1	0	0	0
OMS	1	113	Y	0	0	0	0	0	0	0
OMS	1	112	Y	3	0	0	3	0	0	0

	Number of Fluorescent Light Fixtures	Number of Inoperable Fluorescent Light Ballasts	Number of Magnetic Ballast	Number of Electronic Ballast	Number of Leaking Ballast	Number of LED	Number of Unreachable Ballast
Armory Total:	138	35	46	15	0	34	5
OMS Total:	26	12	12	13	0	0	0
Facility Total:	164	47	58	28	0	34	5

Table FL1
Light Ballast Survey

Date: 6/29/2017
Surveyors: Anjelica McMahon, Hannah Buckley, Hunter Davis
Facility Name: Flemington
Armorer: Brett Davala

Building (Armory, FMS, Warehouse, MVSB,CSMS)	Floor	Room	Room Accessible (Y/N)	Number of Fluorescent Light Fixtures	Number of Inoperable Fluorescent Light Fixtures	Number of Magnetic Ballast	Number of Electronic Ballast	Number of Leaking Ballast	Number of LED
ARMORY	1	100	Y	8	0	0	0	0	8
ARMORY	1	154	Y	12	0	0	12	0	0
ARMORY	1	103	N	NA	NA	NA	NA	NA	NA
ARMORY	1	105	Y	2	0	NA	2	0	0
ARMORY	1	156	Y	4	0	0	4	0	0
ARMORY	1	122	Y	1	0	NA	0	0	0
ARMORY	1	121	Y	1	0	0	0	0	0
ARMORY	1	118	Y	4	0	0	4	0	0
ARMORY	1	119	Y	1	0	0	1	0	0
ARMORY	1	120	Y	1	0	0	1	0	0
ARMORY	1	124	Y	1	0	0	1	0	0
ARMORY	1	123	Y	1	0	0	1	0	0
ARMORY	1	125	Y	2	0	0	2	0	0
ARMORY	1	150	Y	2	0	0	2	0	0
ARMORY	1	153	Y	1	0	0	1	0	0
ARMORY	1	151	Y	7	0	0	7	0	0
ARMORY	1	152	Y	2	0	0	2	0	0
ARMORY	1	130	Y	4	0	0	4	0	0
ARMORY	1	131	Y	2	0	0	2	0	0
ARMORY	1	116	Y	0	0	0	0	0	0
ARMORY	1	115	Y	1	0	0	0	0	1
ARMORY	1	114	Y	1	0	0	0	0	1
ARMORY	1	155	N	NA	NA	NA	NA	NA	NA
ARMORY	1	112	Y	12	0	NA	12	0	0
ARMORY	1	108	Y	10	0	0	8	0	2
ARMORY	1	157	Y	8	0	0	8	0	0
MVSB	1	101	Y	7	2	1	0	0	0
MVSB	1	102	Y	0	0	0	0	0	0
MVSB	1	103	Y	16	5	0	11	0	0

	Number of Fluorescent Light Fixtures	Number of Inoperable Fluorescent Light Ballasts	Number of Magnetic Ballast	Number of Electronic Ballast	Number of Leaking Ballast	Number of LED
Armory Total:	88	0	0	74	0	12
MVSB Total:	23	7	1	11	0	0
Facility Total:	111	7	1	85	0	12

Table FX1
Light Ballast Survey

Date: 7/24/2017
Surveyors: Jon, Rose, Devin
Facility Name: Fort Dix
Armorer: Scott Reddler

Building (Armory, FMS, Warehouse, MVSB,CSMS)	Floor	Room	Room Accessible (Y/N)	Number of Fluorescent Light Fixtures	Number of Inoperable Fluorescent Light Fixtures	Number of Magnetic Ballast	Number of Electronic Ballast	Number of Leaking Ballast	Number of LED
BLDG 3651	1	101	Y	2	0	0	2	0	0
BLDG 3651	1	102	Y	2	0	0	2	0	0
BLDG 3651	1	103	Y	4	0	0	4	0	0
BLDG 3651	1	104	Y	4	0	0	4	0	0
BLDG 3651	1	105	Y	4	0	0	4	0	0
BLDG 3651	1	106	Y	8	0	0	8	0	0
BLDG 3651	1	107	Y	5	0	0	5	0	0
BLDG 3651	1	108	Y	20	0	0	20	0	0
BLDG 3651	1	109	Y	0	0	0	0	0	0
BLDG 3651	1	110	Y	0	0	0	0	0	0
BLDG 3650	1A	C106	Y	26	3	0	23	0	0
BLDG 3650	1A	C106A	Y	2	0	0	2	0	0
BLDG 3650	1A	C106B	Y	2	0	0	2	0	0
BLDG 3650	1A	C106C	Y	2	0	0	2	0	0
BLDG 3650	1A	C106D	Y	2	0	0	2	0	0
BLDG 3650	1A	C106E	Y	6	3	0	3	0	0
BLDG 3650	1A	C104	Y	22	0	4	4	0	0
BLDG 3650	1A	B104B	N	N/A	N/A	N/A	N/A	N/A	N/A
BLDG 3650	1A	B105	N	N/A	N/A	N/A	N/A	N/A	N/A
BLDG 3650	1A	C103	N	N/A	N/A	N/A	N/A	N/A	N/A
BLDG 3650	1A	C102	Y	27	0	9	15	0	0
BLDG 3650	1A	B103	N	N/A	N/A	N/A	N/A	N/A	N/A
BLDG 3650	1A	C101	Y	3	0	0	3	0	0
BLDG 3650	1A	C107	Y	26	0	0	8	0	0
BLDG 3650	1A	C100	Y	22	3	5	14	0	0
BLDG 3650	1A	C110	Y	28	0	4	6	0	0
BLDG 3650	1A	B111	N	N/A	N/A	N/A	N/A	N/A	N/A
BLDG 3650	1A	B110	Y	7	0	4	3	0	0
BLDG 3650	1A	B10A	Y	5	0	3	2	0	0
BLDG 3650	1A	B108	Y	10	0	2	8	0	0
BLDG 3650	1A	B107	Y	12	1	3	8	0	0
BLDG 3650	1A	B106	N	N/A	N/A	N/A	N/A	N/A	N/A
BLDG 3650	1A	B105	Y	6	0	5	1	0	0
BLDG 3650	1A	B104	Y	8	0	3	5	0	0
BLDG 3650	1A	B103	N	N/A	N/A	N/A	N/A	N/A	N/A
BLDG 3650	1A	B102	Y	3	0	1	2	0	0
BLDG 3650	1A	B102A	Y	8	0	0	8	0	0
BLDG 3650	1A	B121	Y	3	0	2	1	0	0
BLDG 3650	1A	B120	Y	26	0	0	26	0	0
BLDG 3650	1A	B118	Y	9	0	7	2	0	0
BLDG 3650	1A	B117	Y	14	0	5	9	0	0
BLDG 3650	1A	B116B	Y	4	1	0	3	0	0
BLDG 3650	1A	B116A	Y	9	0	0	9	0	0
BLDG 3650	1A	B116	Y	5	0	0	5	0	0
BLDG 3650	1A	B116C	Y	18	0	0	18	0	0
BLDG 3650	1A	B114A	Y	12	1	8	3	0	0
BLDG 3650	1A	B114	Y	12	N/A	N/A	N/A	N/A	N/A
BLDG 3650	1A	B113	Y	6	0	1	5	0	0
BLDG 3650	1A	3AA	Y	7	0	0	7	0	0
BLDG 3650	1A	B112	Y	N/A	N/A	N/A	N/A	N/A	N/A
BLDG 3650	1A	100A	Y	10	0	0	10	0	0

	Number of Fluorescent Light Fixtures	Number of Inoperable Fluorescent Light Ballasts	Number of Magnetic Ballast	Number of Electronic Ballast	Number of Leaking Ballast	Number of LED
Bldg 3651 Totals:	49	0	0	49	0	0
Bldg3650 Totals:	362	12	66	219	0	0
Facility Totals:	411	12	66	268	0	0

Table FRN1
Light Ballast Survey

Date: 6/28/2017
Surveyors: Sarah Helble, Hannah Buckley, Hunter Davis
Facility Name: Franklin
Armorer: Charles Rissmiller

Building (Armory, FMS, Warehouse, MVSB,CSMS)	Floor	Room	Room Accessible (Y/N)	Number of Fluorescent Light Fixtures	Number of Inoperable Fluorescent Light Fixtures	Number of Magnetic Ballast	Number of Electronic Ballast	Number of Leaking Ballast	Number of LED	Number of Unreachable Ballast
ARMORY	1	121	N	NA	NA	NA	NA	NA	NA	NA
ARMORY	1	109	Y	6	0	0	6	0	0	0
ARMORY	1	108	Y	0	0	0	0	0	0	0
ARMORY	1	121	Y	1	0	0	1	0	0	0
ARMORY	1	107	Y	4	0	0	4	0	0	0
ARMORY	1	106	Y	12	0	0	12	0	0	0
ARMORY	1	105	Y	6	0	0	6	0	0	0
ARMORY	1	104	Y	2	0	0	2	0	0	0
ARMORY	1	103	Y	2	0	0	2	0	0	0
ARMORY	1	102	Y	2	0	0	2	0	0	0
ARMORY	1	101	Y	5	0	0	5	0	0	0
ARMORY	1	118	Y	1	0	1	0	0	0	0
ARMORY	1	119	Y	1	0	0	1	0	0	0
ARMORY	1	116	Y	4	0	2	2	0	0	0
ARMORY	1	117	Y	2	0	1	1	0	0	0
ARMORY	1	115	Y	1	0	0	1	0	0	0
ARMORY	1	114	Y	2	0	0	2	0	0	0
ARMORY	1	113	N	NA	NA	NA	NA	NA	NA	NA
ARMORY	1	112	Y	24	0	0	24	0	0	0
ARMORY	1	111	Y	4	0	0	4	0	0	0
ARMORY	1	120	N	NA	NA	NA	NA	NA	NA	NA
ARMORY	1	110	Y	0	0	0	0	0	0	0

	Number of Fluorescent Light Fixtures	Number of Inoperable Fluorescent Light Ballasts	Number of Magnetic Ballast	Number of Electronic Ballast	Number of Leaking Ballast	Number of LED	Number of Unreachable Ballast
Facility Total:	79	0	4	75	0	0	0

Table FD1
Light Ballast Survey

Date: 7/11/2017
Surveyors: Devin Walker, Rosalie Hood, Jonathan McKinnon
Facility Name: Freehold
Armorer: William Homeyer

Building (Armory, FMS, Warehouse, MVSB,CSMS)	Floor	Room	Room Accessible (Y/N)	Number of Fluorescent Light Fixtures	Number of Inoperable Fluorescent Light Fixtures	Number of Magnetic Ballast	Number of Electronic Ballast	Number of LED	Number of Leaking Ballast	Notes
ARMORY	1	100	Y	22	0	0	2	20	0	
ARMORY	1	102	Y	6	0	6	0	0	0	
ARMORY	1	103	Y	10	0	0	10	0	0	
ARMORY	1	1A-1B	N	N/A	N/A	N/A	N/A	N/A	N/A	No Access
ARMORY	1	2A-2B	Y	13	1	0	12	0	0	
ARMORY	1	106	Y	6	0	0	6	0	0	
ARMORY	1	106A	Y	2	0	0	2	0	0	
ARMORY	1	106B	Y	2	0	0	2	0	0	
ARMORY	1	106C	Y	2	0	0	2	0	0	
ARMORY	1	106D	Y	2	0	0	2	0	0	
ARMORY	1	104	Y	4	0	0	4	0	0	
ARMORY	1	105	N	N/A	N/A	N/A	N/A	N/A	N/A	No Access
ARMORY	1	101	Y	2	0	0	2	0	0	
ARMORY	1	100H	Y	16	2	0	0	14	0	Hall
ARMORY	1	24A	Y	4	0	0	3	1	0	
ARMORY	1	24B	Y	4	0	0	4	0	0	
ARMORY	1	24C	Y	4	0	0	4	0	0	
ARMORY	1	7A	Y	1	0	0	1	0	0	
ARMORY	1	7	Y	2	0	0	2	0	0	
ARMORY	1	7B	Y	1	0	0	1	0	0	
ARMORY	1	8	Y	2	0	0	2	0	0	
ARMORY	1	9	Y	1	0	0	0	1	0	
ARMORY	1	10	Y	3	0	0	3	0	0	
ARMORY	1	12	Y	0	0	0	0	0	0	No FLBs
ARMORY	1	11A-11B	Y	16	0	0	16	0	0	
ARMORY	1	19	Y	2	0	0	0	2	0	
ARMORY	1	20	Y	6	4	0	0	2	0	
ARMORY	1	15	Y	2	0	0	2	0	0	
ARMORY	1	16	Y	0	0	0	0	0	0	No FLBs
ARMORY	1	17	Y	50	0	0	0	50	0	
ARMORY	1	18	Y	21	0	0	0	21	0	
ARMORY	1	23	Y	1	0	0	1	0	0	
ARMORY	1	22	Y	1	0	0	0	1	0	
ARMORY	1	21	Y	0	0	0	0	0	0	No FLBs
ARMORY	1	20	Y	6	4	0	0	2	0	

	Number of Fluorescent Light Fixtures	Number of Inoperable Fluorescent Light Ballasts	Number of Magnetic Ballast	Number of Electronic Ballast	Number of LED	Number of Leaking Ballast
Facility Total:	214	11	6	83	114	0

Table HN1
Light Ballast Survey

Date: 6/27/2017
Surveyors: Bill McBride, Hannah Buckley, Hunter Davis
Facility Name: Hackettstown
Armorer: Charles Rissmiller

Building (Armory, FMS, Warehouse, MVSB,CSMS)	Floor	Room	Room Accessible (Y/N)	Number of Fluorescent Light Fixtures	Number of Inoperable Fluorescent Light Fixtures	Number of Magnetic Ballast	Number of Electronic Ballast	Number of Leaking Ballast	Number of Leaking Ballast	Number of Unreachable Ballast	Number of LED
ARMORY	1	101	Y	3	0	3	0	0	0	0	0
ARMORY	1	128	Y	6	2	4	0	0	0	0	0
ARMORY	1	132	Y	6	1	5	0	0	0	0	0
ARMORY	1	143	Y	4	2	2	0	0	0	0	0
ARMORY	1	144	Y	3	0	3	0	0	0	0	0
ARMORY	1	145	Y	2	0	2	0	0	0	0	0
ARMORY	1	127	Y	27	17	10	0	0	0	0	0
ARMORY	1	113	Y	2	1	1	0	0	0	0	0
ARMORY	1	114	Y	2	0	2	0	0	0	0	0
ARMORY	1	105	Y	6	1	5	0	0	0	0	0
ARMORY	1	136	Y	2	0	2	0	0	0	0	0
ARMORY	1	137	Y	2	1	1	0	0	0	0	0
ARMORY	1	106	Y	3	1	2	0	0	0	0	0
ARMORY	1	100	Y	12	1	3	8	0	0	0	0
ARMORY	1	118	Y	18	2	16	0	0	0	0	0
ARMORY	1	138	Y	0	0	0	0	0	0	0	0
ARMORY	1	115	Y	0	0	0	0	0	0	0	0
ARMORY	1	103	Y	2	0	2	0	0	0	0	0
ARMORY	1	126	Y	0	0	0	0	0	0	0	0
ARMORY	1	146	Y	2	1	1	0	0	0	0	0
ARMORY	1	147	Y	26	4	10	0	0	0	0	0
ARMORY	1	131	Y	2	0	2	0	0	0	0	0
ARMORY	1	134	Y	6	0	6	0	0	0	0	0
ARMORY	1	133	Y	3	0	3	0	0	0	0	0
ARMORY	1	135	Y	6	0	6	0	0	0	0	0
ARMORY	1	108	Y	6	3	3	0	0	0	0	0
ARMORY	1	109	Y	3	2	1	0	0	0	0	0
ARMORY	1	110	Y	3	2	1	0	0	0	0	0
ARMORY	1	130	Y	10	6	4	0	0	0	0	0
ARMORY	1	107	Y	0	0	0	0	0	0	0	0
ARMORY	1	140	Y	10	6	4	0	0	0	0	0
ARMORY	1	141	Y	37	24	13	0	0	0	0	0
ARMORY	1	142	Y	0	0	0	0	0	0	0	0

	Number of Fluorescent Light Fixtures	Number of Inoperable Fluorescent Light Ballasts	Number of Magnetic Ballast	Number of Electronic Ballast	Number of Leaking Ballast	Number of LED	Number of Unreachable Ballast
Facility Total:	214	77	117	8	0	0	0

Light Ballast Survey

Date: 6/26/2017
Surveyors: Chuck Appleby, Rosalie Hood, Jonathan McKinnon
Facility Name: Hammonton
Armorer: Phillip Fiore

Building (Armory, FMS, Warehouse, MVSB,CSMS)	Floor	Room	Room Accessible (Y/N)	Number of Fluorescent Light Fixtures	Number of Inoperable Fluorescent Light Fixtures	Number of Magnetic Ballast	Number of Electronic Ballast	Number of Leaking Ballast	Number of LED	Notes
Armory	1	100R	Y	6	0	0	6	0	0	
Armory	1	107A	Y	12	0	0	12	0	0	
Armory	1	107	Y	3	0	0	3	0	0	
Armory	1	109	Y	2	0	0	2	0	0	
Armory	1	111	Y	0	0	0	0	0	0	No FLBs
Armory	1	100F	Y	1	0	0	1	0	0	Foyer
Armory	1	100	Y	3	0	1	2	0	0	
Armory	1	100A	Y	2	0	1	1	0	0	
Armory	1	100B	Y	3	0	0	3	0	0	
Armory	1	100C	Y	2	0	0	2	0	0	
Armory	1	102	Y	2	0	0	2	0	0	
Armory	1	104	Y	0	0	0	0	0	0	No FLBs
Armory	1	106	Y	2	0	0	2	0	0	
Armory	1	108	N	N/A	N/A	N/A	N/A	N/A	N/A	No Access
Armory	1	110	N	N/A	N/A	N/A	N/A	N/A	N/A	No Access
Armory	1	110A	N	N/A	N/A	N/A	N/A	N/A	N/A	No Access
Armory	1	110B	N	N/A	N/A	N/A	N/A	N/A	N/A	No Access
Armory	1	112	Y	4	0	0	4	0	0	
Armory	1	112A	Y	2	0	0	2	0	0	
Armory	1	112B	Y	2	1	0	1	0	0	
Armory	1	112C	Y	2	0	0	2	0	0	
Armory	1	112D	Y	2	0	0	2	0	0	
Armory	1	100H	Y	9	0	1	8	0	0	Hallway
OMS	1	100	Y	3	0	0	3	0	0	
OMS	1	101	Y	2	0	2	0	0	0	
OMS	1	102	Y	1	0	0	1	0	0	
OMS	1	103	Y	4	0	0	4	0	0	
OMS	1	104	Y	21	0	0	21	0	0	
OMS	1	105	Y	0	0	0	0	0	0	No FLBs

	Number of Fluorescent Light Fixtures	Number of Inoperable Fluorescent Light Ballasts	Number of Magnetic Ballast	Number of Electronic Ballast	Number of Leaking Ballast	Number of LED
Armory Total:	59	1	3	55	0	0
OMS Total:	31	0	2	29	0	0
Facility Total:	90	1	5	84	0	0

Table JC1
Light Ballast Survey

Date: 7/27/2017
Surveyors: Chuck Appleby, Rosalie Hood, Jon Mikinnon, Hannah Buckley, and Hunter Davis
Facility Name: Jersey City
Armorer: Charles Parsons

Building (Armory, FMS, Warehouse, MVSB,CSMS)	Floor	Room	Room Accessible (Y/N)	Number of Fluorescent Light Fixtures	Number of Inoperable Fluorescent Light Fixtures	Number of Magnetic Ballast	Number of Electronic Ballast	Number of Leaking Ballast	Notes
Armory	BASEMENT	B100	Y	1	0	0	1	0	
Armory	BASEMENT	B100H	Y	13	6	1	6	0	
Armory	BASEMENT	B101	N	N/A	N/A	N/A	N/A	N/A	
Armory	BASEMENT	B102	N	N/A	N/A	N/A	N/A	N/A	
Armory	BASEMENT	B103	N	N/A	N/A	N/A	N/A	N/A	
Armory	BASEMENT	B104	Y	0	0	0	0	0	
Armory	BASEMENT	B105	Y	0	0	0	0	0	
Armory	BASEMENT	B106	Y	0	0	0	0	0	
Armory	BASEMENT	B107	Y	4	0	0	4	0	
Armory	BASEMENT	B107H	Y	1	0	0	1	0	
Armory	BASEMENT	B108	Y	3	0	0	3	0	
Armory	BASEMENT	B109	Y	4	0	0	4	0	
Armory	BASEMENT	B110	Y	6	0	0	6	0	
Armory	BASEMENT	B111	Y	5	0	0	5	0	
Armory	BASEMENT	B112	N	N/A	N/A	N/A	N/A	N/A	
Armory	BASEMENT	B113	Y	0	0	0	0	0	
Armory	BASEMENT	B114	N	N/A	N/A	N/A	N/A	N/A	
Armory	BASEMENT	B115	N	N/A	N/A	N/A	N/A	N/A	
Armory	BASEMENT	B116	Y	5	0	0	5	0	
Armory	BASEMENT	B117	Y	4	0	0	4	0	
Armory	BASEMENT	B119	N	2	0	0	2	0	
Armory	BASEMENT	B120	N	N/A	N/A	N/A	N/A	N/A	
Armory	BASEMENT	B121	N	N/A	N/A	N/A	N/A	N/A	
Armory	BASEMENT	B122	Y	0	0	0	0	0	
Armory	BASEMENT	B123	Y	0	0	0	0	0	
Armory	BASEMENT	B124	Y	4	0	0	4	0	
Armory	BASEMENT	B125	N	N/A	N/A	N/A	N/A	N/A	
Armory	BASEMENT	B126	N	N/A	N/A	N/A	N/A	N/A	
Armory	BASEMENT	B128	Y	7	0	0	7	0	
Armory	BASEMENT	B128H	Y	2	0	1	1	0	
Armory	BASEMENT	B129	Y	4	0	0	4	0	
Armory	BASEMENT	B129H	Y	3	0	0	3	0	
Armory	BASEMENT	B130	Y	6	0	0	6	0	
Armory	BASEMENT	B130A	Y	2	0	0	2	0	
Armory	BASEMENT	B131	Y	4	3	0	1	0	
Armory	BASEMENT	B132	Y	2	0	0	2	0	
Armory	BASEMENT	B133	Y	6	1	0	5	0	
Armory	BASEMENT	B134	Y	10	0	0	10	0	
Armory	BASEMENT	B134A	Y	114	0	0	114	0	
Armory	BASEMENT	B135	Y	2	0	0	2	0	
Armory	BASEMENT	B136	Y	10	0	0	10	0	
Armory	BASEMENT	B136A	N	N/A	N/A	N/A	N/A	N/A	
Armory	BASEMENT	B136B	N	N/A	N/A	N/A	N/A	N/A	
Armory	BASEMENT	B136C	N	N/A	N/A	N/A	N/A	N/A	
Armory	BASEMENT	B136D	N	N/A	N/A	N/A	N/A	N/A	
Armory	BASEMENT	B137	Y	20	0	0	20	0	
Armory	BASEMENT	B138	Y	0	0	0	0	0	
Armory	BASEMENT	B139	Y	0	0	0	0	0	
Armory	1	100	Y	60	3	0	39	0	18 UNREACHABLE
Armory	1	100A	Y	0	0	0	0	0	
Armory	1	100B	Y	0	0	0	0	0	
Armory	1	101	Y	4	0	0	4	0	
Armory	1	101H	Y	13	6	0	7	0	
Armory	1	102	Y	8	0	0	8	0	
Armory	1	103	Y	8	0	0	8	0	
Armory	1	104	Y	4	0	0	4	0	
Armory	1	105	N	N/A	N/A	N/A	N/A	N/A	
Armory	1	106	N	N/A	N/A	N/A	N/A	N/A	
Armory	1	107	N	N/A	N/A	N/A	N/A	N/A	
Armory	1	108	N	N/A	N/A	N/A	N/A	N/A	
Armory	1	109	Y	1	0	0	1	0	

Armory	1	110	Y	3	3	0	0	0	
Armory	1	111	Y	1	0	0	1	0	
Armory	1	112	Y	2	2	0	0	0	
Armory	2	200	Y	2	1	0	1	0	
Armory	2	200H	Y	0	0	0	0	0	
Armory	2	201	N	N/A	N/A	N/A	N/A	N/A	
Armory	2	202	N	N/A	N/A	N/A	N/A	N/A	
Armory	2	203	Y	7	7	0	0	0	
Armory	2	204	Y	2	0	0	2	0	
Armory	2	205	Y	0	0	0	0	0	
Armory	2	206	Y	8	0	0	8	0	
Armory	2	207	N	N/A	N/A	N/A	N/A	N/A	
Armory	2	208	N	N/A	N/A	N/A	N/A	N/A	
Armory	2	209	N	N/A	N/A	N/A	N/A	N/A	
Armory	2	210	Y	4	0	0	4	0	
Armory	2	211	Y	4	0	0	4	0	
Armory	2	212	Y	4	0	0	4	0	
Armory	2	213	Y	4	0	0	4	0	
Armory	2	214	Y	2	0	0	2	0	
Armory	2	215	N	N/A	N/A	N/A	N/A	N/A	
Armory	2	216	N	N/A	N/A	N/A	N/A	N/A	
Armory	2	217	N	N/A	N/A	N/A	N/A	N/A	
Armory	2	218	N	N/A	N/A	N/A	N/A	N/A	
Armory	2	219	N	N/A	N/A	N/A	N/A	N/A	
Armory	2	220	N	N/A	N/A	N/A	N/A	N/A	
Armory	2	221	N	N/A	N/A	N/A	N/A	N/A	
Armory	2	222	N	N/A	N/A	N/A	N/A	N/A	
Armory	2	223	N	N/A	N/A	N/A	N/A	N/A	
Armory	3	300E	Y	2	0	2	0	0	
Armory	3	301	Y	0	0	0	0	0	
Armory	3	301	Y	0	0	0	0	0	
Armory	3	302	Y	0	0	0	0	0	
Armory	3	304	Y	0	0	0	0	0	
Armory	3	305	Y	0	0	0	0	0	
Armory	3	306	Y	0	0	0	0	0	
Armory	3	307	Y	2	0	0	2	0	
Armory	3	308	N	N/A	N/A	N/A	N/A	N/A	
Armory	3	309	Y	0	0	0	0	0	
Armory	3	310	Y	1	0	0	1	0	
Armory	3	311	Y	0	0	0	0	0	
Armory	3	312	Y	0	0	0	0	0	
Armory	3	313	N	N/A	N/A	N/A	N/A	N/A	
Armory	3	314	Y	2	0	0	2	0	
Armory	3	315	Y	2	1	0	1	0	
Armory	3	316	N	N/A	N/A	N/A	N/A	N/A	
Armory	3	317	N	N/A	N/A	N/A	N/A	N/A	
Armory	3	318	Y	7	7	0	0	0	

	Number of Fluorescent Light Fixtures	Number of Inoperable Fluorescent Light Ballasts	Number of Magnetic Ballast	Number of Electronic Ballast	Number of Leaking Ballast	Number of Unreachable Ballast
Basement Totals:	244	10	2	232	0	0
Floor 1 Totals:	104	14	0	72	0	18
Floor 2 Totals:	37	8	0	29	0	0
Floor 3 Totals:	16	8	2	6	0	0
Armory Totals	401	40	4	339	0	18

Table LH1
Light Ballast Survey

Date: 6/13/2017
Surveyors: Bill, Anj, Devin, Rose, Jin, Hannah, Hunter
Armory Name: Lakehurst
Armorer: David Lohman

Building (Armory, FMS, Warehouse, MVSB,CSMS)	Floor	Room	Room Accessible (Y/N)	Number of Fluorescent Light Fixtures	Number of Inoperable Fluorescent Light Fixtures	Number of Magnetic Ballast	Number of Electronic Ballast	Number of Leaking Ballast	Number of Unreachable Ballast	Notes
CLTF-UTES	1	D112	Y	15	0	0	15	0	0	
CLTF-UTES	1	D112A	Y	5	1	0	4	0	0	
CLTF-UTES	1	D109	Y	8	0	0	8	0	0	
CLTF-UTES	1	D110	Y	6	0	0	6	0	0	
CLTF-UTES	1	D106	Y	4	0	0	4	0	0	
CLTF-UTES	1	D113	Y	14	0	0	14	0	0	
CLTF-UTES	1	D104	Y	2	0	0	2	0	0	
CLTF-UTES	1	D103	Y	2	0	0	2	0	0	
CLTF-UTES	1	D107	Y	2	0	0	2	0	0	
CLTF-UTES	1	D108	Y	2	0	0	2	0	0	
CLTF-UTES	1	D111	Y	4	0	0	4	0	0	
CLTF-UTES	1	D123	Y	21	1	0	20	0	0	
CLTF-UTES	1	D122	Y	10	0	0	10	0	0	
CLTF-UTES	1	D119	Y	11	0	0	11	0	0	
CLTF-UTES	1	D120	Y	8	0	0	8	0	0	
CLTF-UTES	1	D124	Y	2	0	0	2	0	0	
CLTF-UTES	1	D125	Y	2	0	0	2	0	0	
CLTF-UTES	1	D129	Y	6	0	0	6	0	0	
CLTF-UTES	1	D128	Y	2	0	0	2	0	0	
CLTF-UTES	1	D130	Y	12	0	0	12	0	0	
CLTF-UTES	1	D132	Y	12	0	0	12	0	0	
CLTF-UTES	1	D133	Y	12	0	0	12	0	0	
CLTF-UTES	1	D135	Y	7	0	0	7	0	0	
CLTF-UTES	1	D134	Y	1	0	0	1	0	0	
CLTF-UTES	1	D138	Y	4	0	0	4	0	0	
CLTF-UTES	1	D137	Y	4	0	0	4	0	0	
CLTF-UTES	1	D136	Y	1	0	0	1	0	0	
CLTF-UTES	1	D139	Y	2	0	0	2	0	0	
CLTF-UTES	1	D140	Y	2	0	0	2	0	0	
CLTF-UTES	1	D141	Y	6	0	0	6	0	0	
CLTF-UTES	1	D142	Y	12	0	0	12	0	0	
CLTF-UTES	1	E105	Y	2	1	0	1	0	0	
CLTF-UTES	1	E103	Y	1	0	0	1	0	0	
CLTF-UTES	1	E107	Y	1	0	0	1	0	0	
CLTF-UTES	1	E108	Y	12	0	0	12	0	0	
CLTF-UTES	1	E102	Y	3	1	0	2	0	0	
CLTF-UTES	1	E106	Y	1	0	0	1	0	0	
CLTF-UTES	1	E104	Y	1	0	0	1	0	0	
CLTF-CSMS	1	A103	Y	18	0	N/A	N/A	0	0	UNREADABLE
CLTF-CSMS	1	*(spray room)*	Y	48	0	0	48	0	0	
CLTF-CSMS	1	*104? (shower room)*	Y	3	0	0	3	0	0	
CLTF-CSMS	1	*105?(bathroom)*	Y	2	0	0	2	0	0	
CLTF-CSMS	1	*106? (filter room)*	Y	3	0	0	3	0	0	
CLTF-CSMS	1	A107	Y	1	0	0	1	0	0	
CLTF-CSMS	1	A108	Y	8	0	N/A	N/A	0	0	UNREADABLE
CLTF-CSMS	1	A109/10	Y	10	0	N/A	N/A	0	0	UNREADABLE
CLTF-CSMS	1	A119	Y	8	0	N/A	N/A	0	0	UNREADABLE
CLTF-CSMS	1	A120	Y	8	0	N/A	N/A	0	0	UNREADABLE
CLTF-CSMS	1	A121	Y	6	0	0	6	0	0	
CLTF-CSMS	1	A118	Y	4	0	0	4	0	0	
CLTF-CSMS	1	A139	Y	4	0	0	4	0	0	
CLTF-CSMS	1	A117	Y	2	0	0	2	0	0	
CLTF-CSMS	1	A118	Y	2	0	0	2	0	0	
CLTF-CSMS	1	A123	Y	8	0	0	8	0	0	
CLTF-CSMS	1	A115	Y	6	0	0	6	0	0	
CLTF-CSMS	1	A127	Y	1	0	0	1	0	0	
CLTF-CSMS	1	A128	Y	13	0	0	13	0	0	
CLTF-CSMS	1	A129	Y	13	1	0	12	0	0	
CLTF-CSMS	1	A130	Y	8	1	0	3	0	4	

CLTF-CSMS	1	A131	Y	15	0	0	15	0	0	
CLTF-CSMS	1	A133	Y	19	0	0	19	0	0	
CLTF-CSMS	1	A132	Y	2	0	0	2	0	0	
CLTF-CSMS	1	A112	Y	11	0	0	11	0	0	
CLTF-CSMS	1	A111	Y	2	0	0	2	0	0	
CLTF-CSMS	1	B124	Y	4	0	0	4	0	0	
CLTF-CSMS	1	B125	Y	4	0	0	4	0	0	
CLTF-CSMS	1	B126	Y	12	1	0	12	0	0	
CLTF-CSMS	1	B123	Y	6	0	0	6	0	0	
CLTF-CSMS	1	B128	Y	6	0	0	6	0	0	
CLTF-CSMS	1	B119	Y	3	0	0	3	0	0	
CLTF-CSMS	1	B118	Y	1	0	0	1	0	0	
CLTF-CSMS	1	B121	Y	12	0	0	12	0	0	
CLTF-CSMS	1	B120	Y	15	0	0	15	0	0	
CLTF-CSMS	1	B122	Y	12	0	0	12	0	0	
CLTF-CSMS	1	B140	Y	N/A	0	0	N/A	0	0	
CLTF-CSMS	1	B141	Y	12	0	0	12	0	0	8 UNREADABLE
CLTF-CSMS	1	B108	Y	4	0	0	4	0	0	
CLTF-CSMS	1	FIRST HALL	Y	8	0	N/A	N/A	0	0	UNREADABLE
CLTF-CSMS	1	B107	Y	3	0	0	3	0	0	
CLTF-CSMS	1	B133	Y	6	0	0	6	0	0	
CLTF-CSMS	1	B132	Y	6	0	0	6	0	0	
CLTF-CSMS	1	B135	Y	2	0	0	2	0	0	
CLTF-CSMS	1	B130	Y	14	0	0	14	0	0	
CLTF-CSMS	1	B131	Y	2	0	0	2	0	0	
CLTF-CSMS	1	B136	Y	10	0	0	10	0	0	
CLTF-CSMS	1	B137	Y	16	0	0	16	0	0	
CLTF-CSMS	1	B139	Y	10	2	0	8	0	0	
CLTF-CSMS	1	B151	Y	14	0	0	14	0	0	
CLTF-CSMS	1	B149	Y	4	0	0	4	0	0	
CLTF-CSMS	1	B148	Y	2	0	0	2	0	0	
CLTF-CSMS	1	B142	Y	10	0	0	10	0	0	
CLTF-CSMS	1	B147	Y	17	0	0	17	0	0	
CLTF-CSMS	1	B145	Y	2	0	0	2	0	0	
CLTF-CSMS	1	B146	Y	11	0	0	11	0	0	
CLTF-CSMS	1	C135-122	Y	75	1	0	6	0	68	
CLTF-CSMS	1	C112	Y	3	1	0	2	0	0	
CLTF-CSMS	1	C120	Y	9	1	0	3	0	5	
CLTF-CSMS	1	C115	Y	3	0	0	3	0	0	
CLTF-CSMS	1	C118	Y	2	0	0	2	0	0	
CLTF-CSMS	1	C116	Y	2	0	0	2	0	0	
CLTF-CSMS	1	C103	Y	7	0	0	7	0	0	
CLTF-CSMS	1	C105	Y	7	0	0	7	0	0	
CLTF-CSMS	1	C102	Y	2	0	0	2	0	0	
CLTF-CSMS	1	C110	Y	10	0	0	10	0	0	
CLTF-CSMS	1	C109	Y	6	0	N/A	N/A	0	1	Unreachable
CLTF-CSMS	1	C101	Y	4	0	0	4	0	0	
CLTF-CSMS	1	C111	Y	6	0	0	6	0	0	
AAFS	1	ENTRYWAY HALL	Y	30	1	0	29	0	0	
AAFS	1	MENS RR	Y	41	0	0	41	0	0	
AAFS	1	WOMENS RR	Y	18	0	0	18	0	0	
AAFS	1	108A	Y	1	0	0	1	0	0	
AAFS	1	114	Y	14	0	0	14	0	0	
AAFS	1	115	Y	3	0	0	3	0	0	
AAFS	1	STAIRS	Y	3	0	0	3	0	0	
AAFS	2	SECURE 220	Y	2	0	0	2	0	0	
AAFS	2	216	Y	2	0	0	2	0	0	
AAFS	2	2ND FLOOR HALL	Y	44	2	0	40	0	0	1 NOT READING
AAFS	2	MENS	Y	4	0	0	4	0	0	
AAFS	2	WOMENS	Y	4	0	0	4	0	0	
AAFS	2	STORAGE ACROSS 215	Y	1	0	0	1	0	0	
AAFS	2	215	Y	19	0	0	19	0	0	
AAFS	2	224	Y	1	0	0	1	0	0	
AAFS	2	221A	Y	2	0	0	2	0	0	
AAFS	2	202	Y	1	0	0	1	0	0	
AAFS	2	229	N	N/A	N/A	N/A	N/A	N/A	N/A	
AAFS	2	217	Y	12	0	0	0	0	0	
AAFS	2	213	Y	2	0	0	2	0	0	
AAFS	2	212	Y	2	0	0	2	0	0	
AAFS	2	207	Y	2	0	0	2	0	0	

AAFS	2	BREAK AREA	Y	5	0	0	5	0	0	
AAFS	2	230	Y	1	0	0	1	0	0	
AAFS	2	223A	Y	2	0	0	2	0	0	
AAFS	2	211	Y	2	0	0	2	0	0	
AAFS	2	210	Y	2	0	0	2	0	0	
AAFS	2	208	Y	2	0	0	2	0	0	
AAFS	2	209	Y	2	0	0	2	0	0	
AAFS	2	206	Y	2	0	0	0	0	0	
AAFS	2	205	Y	2	0	0	1	0	0	
AAFS	2	204	Y	2	0	0	2	0	0	
AAFS	2	203	Y	2	0	0	2	0	0	
AAFS	2	201	Y	2	0	0	2	0	0	
AAFS	2	202	Y	2	0	0	2	0	0	
AAFS	1	HALL	Y	19	0	0	19	0	0	
AAFS	1	107	Y	1	0	0	1	0	0	
AAFS	1	105	Y	4	0	0	4	0	0	
AAFS	1	104	N	4	0	0	4	0	0	
AAFS	1	103	Y	4	0	0	4	0	0	
AAFS	1	102	Y	4	0	0	4	0	0	
AAFS	1	101	Y	4	0	0	4	0	0	
AAFS	1	113	Y	1	0	0	1	0	0	
AAFS	1	LEFT OF MENS ROOM	Y	1	0	0	1	0	0	
AAFS	1	STAIRS MENS LOCKER ROOM SIDE	Y	3	0	0	3	0	0	
AAFS	1	HALL	Y	3	0	0	3	0	0	
AAFS	1	WOMENS BATHROOM	Y	13	3	0	10	0	0	
COLD STORAGE	1	COLD STORAGE	Y	49	0	N/A	N/A	0	1	Unreachable
AASF	1	127	Y	6	2	0	4	0	0	
AASF	1	132	Y	18	0	0	18	0	0	
AASF	1	HALL BETWEEN 127 & 132	Y	3	0	0	3	0	0	
AASF	1	129	Y	2	0	0	2	0	0	
AASF	1	130	Y	2	0	0	2	0	0	
AASF	1	140	Y	1	0	0	1	0	0	
AASF	1	128	Y	2	0	0	2	0	0	
AASF	1	125	Y	6	0	0	6	0	0	
AASF	1	118A	Y	2	0	0	2	0	0	
AASF	1	118B	Y	2	0	0	2	0	0	
AASF	1	118C	Y	2	0	0	2	0	0	
AASF	1	118D	Y	2	0	0	2	0	0	
AASF	1	118E	Y	2	1	0	1	0	0	
AASF	1	117	Y	9	3	0	6	0	0	
AASF	1	121	Y	2	0	0	2	0	0	
AASF	1	121A	Y	2	0	0	2	0	0	
AASF	1	120	Y	4	2	0	2	0	0	
AASF	1	123	Y	16	0	0	16	0	0	
AASF	1	126	Y	11	0	0	11	0	0	
AASF	1	BATHROOM 1	Y	3	0	0	3	0	0	
AASF	1	BATHROOM 2	Y	3	0	0	3	0	0	
AASF	1	134	Y	18	0	0	18	0	0	
AASF	1	135	Y	9	0	0	9	0	0	
AASF	1	HALL WITH CAGES	Y	26	0	0	26	0	0	
AASF	1	HANGER	Y	105	0	N/A	N/A	0	0	Unreachable
AASF	1	HANGER 2	Y	49	0	N/A	N/A	0	0	Unreachable
FUEL STORAGE BUILDING	1	101	Y	6	0	0	6	0	0	
FUEL STORAGE BUILDING	1	102	Y	3	0	0	3	0	0	
FUEL STORAGE BUILDING	1	103	Y	3	0	0	3	0	0	
FUEL STORAGE BUILDING	1	104	Y	6	0	0	6	0	0	
FUEL STORAGE BUILDING	1	105	Y	6	0	0	6	0	0	
FUEL STORAGE BUILDING	1	SHED BY GENERATOR (AASF2)	Y	4	0	0	4	0	0	
B802	1	PUMP HOUSE	Y	6	1	0	5	0	0	
B813	1	B813	Y	1	0	0	1	0	0	
B814	1	B814	Y	1	0	0	1	0	0	
B608	1	114	Y	0	0	0	0	0	0	
B608	1	113	Y	1	0	2	0	0	0	

B608	1	115	Y	1	0	0	1	0	0	
B608	1	116	Y	4	0	0	4	0	0	
B608	1	112	Y	0	0	0	0	0	0	
B608	1	111	N	N/A	N/A	N/A	N/A	N/A	N/A	
B608	1	109	Y	2	2	0	0	0	0	
B608	1	108	Y	0	0	0	0	0	0	
B608	1	107	Y	0	0	0	0	0	0	
B608	1	110	N	N/A	N/A	N/A	N/A	N/A	N/A	
B608	1	104	Y	1	0	0	1	0	0	
B608	1	112	Y	0	0	0	0	0	0	
B608	1	101	Y	0	0	0	0	0	0	
B608	1	103	Y	14	1	0	13	0	0	
B608	1	106	Y	3	0	0	3	0	0	
B608	1	105	Y	3	1	0	2	0	0	
B608	1	117	Y	5	1	2	2	0	0	
B608	1	102	Y	0	0	0	0	0	0	
B129 SECTION 2	1	122	Y	21	2	0	19	0	0	
B129 SECTION 2	1	123	Y	20	5	0	15	0	0	
B129 SECTION 2	1	124	Y	27	0	0	27	0	0	
B129 SECTION 2	1	132	Y	4	0	0	4	0	0	
B129 SECTION 2	1	131	Y	2	0	0	2	0	0	
B129 SECTION 2	1	130	Y	4	0	0	4	0	0	
B129 SECTION 2	1	127	Y	12	3	0	9	0	0	
B129 SECTION 2	1	128	Y	1	0	0	1	0	0	
B129 SECTION 2	1	129	Y	5	0	0	5	0	0	
B129 SECTION 2	1	167	Y	3	0	0	3	0	0	
B129 SECTION 2	1	166	N	N/A	N/A	N/A	N/A	N/A	N/A	
B129 SECTION 2	1	168	Y	9	0	0	9	0	0	
B129 SECTION 2	1	129	N	N/A	N/A	N/A	N/A	N/A	N/A	
B129 SECTION 2	1	101	Y	6	0	0	6	0	0	
B129 SECTION 2	1	102	Y	3	0	0	3	0	0	
B129 SECTION 2	1	103	Y	6	0	0	6	0	0	
B129 SECTION 2	1	104	Y	3	0	0	3	0	0	
B129 SECTION 2	1	105	Y	3	0	0	3	0	0	
B129 SECTION 2	1	106	Y	6	0	0	6	0	0	
B129 SECTION 2	1	107	Y	30	6	0	24	0	0	
B129 SECTION 2	1	LOUNGEROOM	Y	7	0	0	7	0	0	
B129 SECTION 2	1	HALLWAY	Y	4	0	0	4	0	0	
B129 SECTION 2	1	109	Y	12	2	0	10	0	0	
B129 SECTION 1	1	HALLWAY EF	Y	3	1	0	2	0	0	
B129 SECTION 1	1	135	N	N/A	N/A	N/A	N/A	N/A	N/A	
B129 SECTION 1	1	134	N	N/A	N/A	N/A	N/A	N/A	N/A	
B129 SECTION 1	1	160	Y	3	0	0	3	0	0	
B129 SECTION 1	1	161	Y	4	0	0	4	0	0	
B129 SECTION 1	1	162	Y	4	0	0	4	0	0	
B129 SECTION 1	1	163	Y	4	0	0	4	0	0	
B129 SECTION 1	1	165	Y	6	0	0	6	0	0	
B129 SECTION 1	1	166	Y	20	0	0	20	0	0	
B129 SECTION 1	1	153	Y	4	0	0	4	0	0	
B129 SECTION 1	1	158D	Y	18	1	0	17	0	0	
B129 SECTION 1	1	167	Y	10	0	0	10	0	0	
B129 SECTION 1	1	168	Y	30	1	0	29	0	0	
B129 SECTION 1	1	169	Y	5	0	0	5	0	0	
B129 SECTION 1	1	170	Y	2	0	0	2	0	0	
B129 SECTION 1	1	171	Y	2	0	0	2	0	0	
B129 SECTION 1	1	159E	Y	6	1	0	5	0	0	
B129 SECTION 1	1	158E	Y	9	1	0	8	0	0	
B129 SECTION 1	1	158F	Y	4	0	0	4	0	0	
B129 SECTION 1	1	150	Y	8	1	0	7	0	0	
B129 SECTION 1	1	148	Y	4	0	0	4	0	0	
B129 SECTION 1	1	147	Y	4	0	0	4	0	0	
B129 SECTION 1	1	146	Y	5	0	0	5	0	0	
B129 SECTION 1	1	140	Y	4	0	0	4	0	0	
B129 SECTION 1	1	139	Y	4	1	0	3	0	0	
B129 SECTION 1	1	138	Y	2	0	0	2	0	0	
B129 SECTION 1	1	137	Y	2	0	0	2	0	0	
B129 SECTION 1	1	136	Y	3	0	0	3	0	0	
B129 SECTION 1	1	133	Y	2	0	0	2	0	0	
B129 SECTION 1	1	HALLWAY BETWEEN 140 & 150	Y	2	0	0	2	0	0	

UNLABELED FLOOR PLAN LABELED AA	1	MAINTENANCE	Y	69	0	0	9	0	60	

	Number of Fluorescent Light Fixtures	Number of Inoperable Fluorescent Light Ballasts	Number of Magnetic Ballast	Number of Electronic Ballast	Number of Leaking Ballast	Number of Unreachable Ballast
CLTF-UTES Totals:	222	4	0	218	0	0
CLTF-CSMS Totals:	589	8	0	439	0	78
AAFS Totals:	604	14	0	419	0	0
Cold Storage Totals:	49	0	0	0	0	1
Fuel Storage Bldg Totals:	28	0	0	28	0	0
B802 Totals:	6	1	0	5	0	0
B813 Totals:	1	0	0	1	0	0
B814 Totals:	1	0	0	1	0	0
B608 Totals:	34	5	4	26	0	0
B129 SECTION 2 Totals:	188	18	0	170	0	0
B129 SECTION 1 Totals:	174	7	0	167	0	0
Unlabeled floorplan Totals:	69	0	0	9	0	60
Facility Totals:	1965	57	4	1483	0	139

Table LE1
Light Ballast Survey

Date: June 20, 2017
Surveyors: Bill, Anjelica, Devon, Hannah, Rosalie
Facility Name: Lawrenceville
Armorer: Joe Lech

Building (Armory, FMS, Warehouse, MVSB,CSMS)	Floor	Room	Room Accessible (Y/N)	Number of Fluorescent Light Fixtures	Number of Magnetic Ballast	Number of Electronic Ballast	Number of Inoperable Fluorescent Light Fixtures	Number of LED	Number of Leaking Ballast
DMAVA	BASEMENT	100	Y	12	8	4	0	0	0
DMAVA	BASEMENT	101	Y	10	0	9	1	0	0
DMAVA	BASEMENT	102	Y	0	0	0	0	0	0
DMAVA	BASEMENT	103	Y	9	0	9	0	0	0
DMAVA	BASEMENT	104	Y	3	0	3	0	0	0
DMAVA	BASEMENT	105	Y	3	0	3	0	0	0
DMAVA	BASEMENT	106	N	N/A	N/A	N/A	N/A	N/A	N/A
DMAVA	BASEMENT	107	Y	2	0	2	0	0	0
DMAVA	BASEMENT	108	Y	6	0	0	0	6	0
DMAVA	BASEMENT	109	Y	4	0	4	0	0	0
DMAVA	BASEMENT	110	Y	2	0	2	0	0	0
DMAVA	BASEMENT	111	Y	4	0	0	0	4	0
DMAVA	BASEMENT	112	Y	4	0	0	0	4	0
DMAVA	BASEMENT	113	Y	2	0	2	0	0	0
DMAVA	BASEMENT	114	Y	2	0	0	0	2	0
DMAVA	BASEMENT	115	Y	2	0	0	0	2	0
DMAVA	BASEMENT	116	Y	0	0	0	0	0	0
DMAVA	BASEMENT	117	N	N/A	N/A	N/A	N/A	N/A	N/A
DMAVA	BASEMENT	118	Y	2	2	0	0	0	0
DMAVA	BASEMENT	119	Y	4	0	0	0	4	0
DMAVA	BASEMENT	120	Y	1	1	0	0	0	0
DMAVA	BASEMENT	121	Y	1	0	1	0	0	0
DMAVA	BASEMENT	122	Y	2	1	1	0	0	0
DMAVA	BASEMENT	123	Y	4	2	2	0	0	0
DMAVA	BASEMENT	124	Y	0	0	0	0	0	0
DMAVA	BASEMENT	125	Y	2	0	2	0	0	0
DMAVA	BASEMENT	126	Y	4	0	4	0	0	0
DMAVA	BASEMENT	127	Y	2	0	2	0	0	0
DMAVA	BASEMENT	128	N	N/A	N/A	N/A	N/A	N/A	N/A
DMAVA	BASEMENT	129	Y	4	0	0	0	4	0
DMAVA	BASEMENT	130	N	N/A	N/A	N/A	N/A	N/A	N/A
DMAVA	BASEMENT	131	Y	5	0	0	0	5	0
DMAVA	BASEMENT	132	Y	3	1	2	0	0	0
DMAVA	BASEMENT	133	Y	14	9	5	0	0	0
DMAVA	BASEMENT	134	Y	0	0	0	0	0	0
DMAVA	BASEMENT	135	Y	1	0	0	0	1	0
DMAVA	BASEMENT	136	Y	2	0	0	0	2	0
DMAVA	BASEMENT	137	Y	2	0	0	0	2	0
DMAVA	BASEMENT	138	Y	4	0	0	0	4	0
DMAVA	BASEMENT	139	Y	12	0	0	0	12	0
DMAVA	BASEMENT	140	Y	2	0	0	0	2	0
DMAVA	BASEMENT	141	Y	10	0	0	0	10	0
DMAVA	BASEMENT	142	Y	6	0	0	0	6	0
DMAVA	BASEMENT	143	Y	2	0	0	0	2	0
DMAVA	BASEMENT	144	Y	15	0	0	0	15	0
DMAVA	BASEMENT	145	Y	0	0	0	0	0	0

DMAVA	BASEMENT	146	Y	10	0	0	0	10	0
DMAVA	BASEMENT	147	Y	4	0	0	0	4	0
DMAVA	BASEMENT	148	Y	4	0	0	0	4	0
DMAVA	BASEMENT	149	Y	1	0	0	0	1	0
DMAVA	BASEMENT	150	Y	8	0	0	0	8	0
DMAVA	BASEMENT	151	Y	2	1	1	0	0	0
DMAVA	BASEMENT	152	Y	2	2	0	0	0	0
DMAVA	BASEMENT	153	Y	1	0	1	0	0	0
DMAVA	BASEMENT	154	N	N/A	N/A	N/A	N/A	N/A	N/A
DMAVA	BASEMENT	155	Y	1	0	0	0	1	0
DMAVA	BASEMENT	156	Y	0	0	0	0	0	0
DMAVA	BASEMENT	157	Y	2	0	0	0	2	0
DMAVA	BASEMENT	158	Y	0	0	0	0	0	0
DMAVA	BASEMENT	159	Y	0	0	0	0	0	0
DMAVA	BASEMENT	160	Y	6	0	0	0	6	0
DMAVA	1	201	Y	0	0	0	0	0	0
DMAVA	1	202	Y	8	0	5	3	0	0
DMAVA	1	203	Y	6	0	4	2	0	0
DMAVA	1	204	Y	6	0	6	0	0	0
DMAVA	1	205	Y	3	0	3	0	0	0
DMAVA	1	206	Y	112	0	46	66	0	0
DMAVA	1	207	Y	5	0	4	1	0	0
DMAVA	1	208	Y	6	0	0	2	4	0
DMAVA	1	209	N	N/A	N/A	N/A	N/A	N/A	N/A
DMAVA	1	210	Y	6	0	5	1	0	0
DMAVA	1	211	Y	6	0	3	3	0	0
DMAVA	1	212	Y	9	0	6	3	0	0
DMAVA	1	213	Y	6	0	4	2	0	0
DMAVA	1	214	Y	36	1	24	11	0	0
DMAVA	1	215	Y	6	0	6	0	0	0
DMAVA	1	216	Y	9	0	5	4	0	0
DMAVA	1	217	Y	4	0	4	0	0	0
DMAVA	1	218	Y	141	0	54	87	0	0
DMAVA	1	219	Y	6	0	6	0	0	0
DMAVA	1	220	Y	6	2	0	4	0	0
DMAVA	1	221	Y	6	0	5	1	0	0
DMAVA	1	222	Y	6	0	5	1	0	0
DMAVA	1	223	Y	6	0	0	0	6	0
DMAVA	1	224	Y	6	0	0	0	6	0
DMAVA	1	225	N	N/A	N/A	N/A	N/A	N/A	N/A
DMAVA	1	226	Y	0	0	0	0	0	0
DMAVA	1	227	Y	1	0	1	0	0	0
DMAVA	1	228	Y	1	1	0	0	0	0
DMAVA	2	300	Y	17	0	17	0	0	0
DMAVA	2	301	Y	69	0	21	48	0	0
DMAVA	2	302	Y	16	0	13	3	0	0
DMAVA	2	303	Y	12	0	12	0	0	0
DMAVA	2	304	N	N/A	N/A	N/A	N/A	N/A	N/A
DMAVA	2	305	Y	1	0	1	0	0	0
DMAVA	2	306	Y	125	0	72	53	0	0
DMAVA	2	307	Y	6	0	6	0	0	0
DMAVA	2	308	Y	6	0	4	2	0	0
DMAVA	2	309	N	N/A	N/A	N/A	N/A	N/A	N/A
DMAVA	2	310	Y	4	0	3	1	0	0
DMAVA	2	311	Y	4	0	3	1	0	0
DMAVA	2	312	Y	3	0	2	1	0	0
DMAVA	2	313	Y	4	0	1	3	0	0

DMAVA	2	314	Y	9	0	9	0	0	0
DMAVA	2	315	Y	4	0	4	0	0	0
DMAVA	2	316	Y	4	0	4	0	0	0
DMAVA	2	317	N	N/A	N/A	N/A	N/A	N/A	N/A
DMAVA	2	318	Y	9	0	4	5	0	0
DMAVA	2	319	Y	14	0	13	1	0	0
DMAVA	2	320	Y	4	0	2	2	0	0
DMAVA	2	321	N	N/A	N/A	N/A	N/A	N/A	N/A
DMAVA	2	322	N	N/A	N/A	N/A	N/A	N/A	N/A
DMAVA	2	323	N	N/A	N/A	N/A	N/A	N/A	N/A
DMAVA	2	324	N	N/A	N/A	N/A	N/A	N/A	N/A
DMAVA	2	325	N	N/A	N/A	N/A	N/A	N/A	N/A
DMAVA	2	326	Y	0	0	0	0	0	0
DMAVA	2	327	Y	12	0	8	4	0	0
DMAVA	2	328	Y	12	0	7	5	0	0
DMAVA	2	329	Y	9	0	7	2	0	0
DMAVA	2	330	Y	15	0	9	6	0	0
DMAVA	2	331	Y	6	0	5	1	0	0
DMAVA	2	332	Y	6	0	5	1	0	0
DMAVA	2	333	Y	6	0	3	3	0	0
DMAVA	2	334	Y	1	1	0	0	0	0
DMAVA	2	335	Y	3	0	3	0	0	0
DMAVA	2	336	Y	6	0	6	0	0	0
DMAVA	ROOF	401	Y	11	0	11	0	0	0
ARMORY	1	101	Y	14	0	0	14	0	0
ARMORY	1	102	Y	1	0	0	0	1	0
ARMORY	1	103	Y	2	0	0	0	2	0
ARMORY	1	104	N	N/A	N/A	N/A	N/A	N/A	N/A
ARMORY	1	105	N	N/A	N/A	N/A	N/A	N/A	N/A
ARMORY	1	106	Y	3	0	0	0	3	0
ARMORY	1	107	Y	4	0	0	0	4	0
ARMORY	1	108	Y	4	4	0	0	0	0
ARMORY	1	109	Y	3	3	0	0	0	0
ARMORY	1	110	Y	3	2	1	0	0	0
ARMORY	1	111	Y	4	3	1	0	0	0
ARMORY	1	112	Y	4	4	0	0	0	0
ARMORY	1	113	N	N/A	N/A	N/A	N/A	N/A	N/A
ARMORY	1	114	Y	1	0	0	0	1	0
ARMORY	1	115	Y	8	4	1	3	0	0
ARMORY	1	116	Y	27	0	0	0	27	0
ARMORY	1	117	Y	6	0	1	0	5	0
ARMORY	1	118	Y	9	0	0	9	0	0
ARMORY	1	119	Y	11	0	0	0	11	0
ARMORY	1	120	Y	10	0	0	0	10	0
ARMORY	1	121	Y	6	0	0	0	6	0
ARMORY	1	122	Y	18	0	3	0	15	0
ARMORY	1	123	N	N/A	N/A	N/A	N/A	N/A	N/A
ARMORY	1	124	Y	8	0	0	0	8	0
ARMORY	1	125	Y	10	0	2	0	8	0
ARMORY	1	126	Y	10	0	2	0	8	0
ARMORY	1	127	Y	6	0	1	3	2	0
ARMORY	1	128	Y	11	0	0	0	1	0
ARMORY	1	129	Y	6	0	0	0	6	0
ARMORY	1	130	Y	0	0	0	0	0	0
ARMORY	1	131	Y	0	0	0	0	0	0
ARMORY	1	132	Y	0	0	0	0	0	0
ARMORY	1	133	Y	0	0	0	0	0	0

ARMORY	1	134	Y	0	0	0	0	0	0
ARMORY	1	135	Y	8	0	0	0	8	0
ARMORY	1	136	Y	1	0	0	0	1	0
ARMORY	1	137	Y	3	0	0	0	3	0
ARMORY	1	138	Y	1	0	0	0	1	0
ARMORY	1	139	N	N/A	N/A	N/A	N/A	N/A	N/A
ARMORY	1	140	N	N/A	N/A	N/A	N/A	N/A	N/A
ARMORY	1	141	N	N/A	N/A	N/A	N/A	N/A	N/A
ARMORY	1	142	N	N/A	N/A	N/A	N/A	N/A	N/A
ARMORY	1	143	Y	15	0	0	3	12	0
ARMORY	1	144	Y	37	0	0	1	36	0
ARMORY	1	145	Y	17	0	0	0	17	0
ARMORY	1	146	Y	2	0	0	0	2	0
ARMORY	1	147	Y	1	0	0	0	1	0
ARMORY	1	148	Y	1	0	0	0	1	0
ARMORY	1	149	Y	2	0	1	0	1	0
ARMORY	1	150	Y	0	0	0	0	0	0
ARMORY	1	151	Y	0	0	0	0	0	0
ARMORY	1	152	Y	0	0	0	0	0	0
ARMORY	1	153	Y	0	0	0	0	0	0
ARMORY	1	154	Y	0	0	0	0	0	0
ARMORY	1	155	Y	0	0	0	0	0	0
ARMORY	1	156	Y	0	0	0	0	0	0
ARMORY	1	157	Y	3	3	0	0	0	0
ARMORY	1	158	N	N/A	N/A	N/A	N/A	N/A	N/A
ARMORY	1	159	Y	3	0	3	0	0	0
ARMORY	1	160	N	N/A	N/A	N/A	N/A	N/A	N/A
ARMORY	1	161	N	N/A	N/A	N/A	N/A	N/A	N/A
ARMORY	1	162	N	N/A	N/A	N/A	N/A	N/A	N/A
ARMORY	1	163	Y	3	3	0	0	0	0
ARMORY	1	164	N	N/A	N/A	N/A	N/A	N/A	N/A
ARMORY	1	165	Y	0	0	0	0	0	0
ARMORY	1	166	N	N/A	N/A	N/A	N/A	N/A	N/A
ARMORY	1	167	N	N/A	N/A	N/A	N/A	N/A	N/A
ARMORY	1	168	N	N/A	N/A	N/A	N/A	N/A	N/A
ARMORY	1	169	N	N/A	N/A	N/A	N/A	N/A	N/A
ARMORY	1	170	Y	6	0	6	0	0	0
ARMORY	1	171	Y	15	12	3	0	0	0
ARMORY	1	172	N	N/A	N/A	N/A	N/A	N/A	N/A
ARMORY	1	173	Y	0	0	0	0	0	0
ARMORY	1	174	Y	2	0	2	0	0	0
ARMORY	1	175	Y	8	0	8	0	0	0
ARMORY	1	176	Y	0	0	0	0	0	0
ARMORY	1	177	Y	0	0	0	0	0	0
ARMORY	1	178	N	N/A	N/A	N/A	N/A	N/A	N/A
ARMORY	1	179	Y	10	0	7	3	0	0
ARMORY	1	180	Y	37	3	27	7	0	0
ARMORY	1	181	N	N/A	N/A	N/A	N/A	N/A	N/A
ARMORY	1	182	Y	55	2	23	10	20	0
ARMORY	2	201	Y	6	0	5	0	1	0
ARMORY	2	202	N	N/A	N/A	N/A	N/A	N/A	N/A
ARMORY	2	203	N	N/A	N/A	N/A	N/A	N/A	N/A
ARMORY	2	204	Y	12	0	11	0	1	0
ARMORY	2	205	N	N/A	N/A	N/A	N/A	N/A	N/A
ARMORY	2	206	N	N/A	N/A	N/A	N/A	N/A	N/A
ARMORY	2	207	N	N/A	N/A	N/A	N/A	N/A	N/A
ARMORY	2	208	Y	0	0	0	0	0	0

ARMORY	2	209	N	N/A	N/A	N/A	N/A	N/A	N/A
ARMORY	2	210	N	N/A	N/A	N/A	N/A	N/A	N/A
ARMORY	2	211	Y	6	0	0	0	6	0
ARMORY	2	212	Y	7	0	4	1	2	0
ARMORY	2	213	Y	0	0	0	0	0	0
ARMORY	2	214	Y	3	0	0	0	3	0
ARMORY	2	215	Y	2	0	0	0	2	0
ARMORY	2	216	Y	3	0	0	0	3	0
ARMORY	2	217	Y	2	0	0	0	2	0
ARMORY	2	218	Y	2	0	0	0	2	0
ARMORY	2	219	Y	4	0	0	0	4	0
ARMORY	2	220	Y	1	0	0	0	1	0
ARMORY	2	221	Y	4	0	0	0	4	0
ARMORY	2	222	Y	2	0	0	0	2	0
ARMORY	2	223	Y	4	0	0	0	4	0
ARMORY	2	224	N	N/A	N/A	N/A	N/A	N/A	N/A
ARMORY	2	225	Y	2	0	0	0	2	0
ARMORY	2	226	Y	6	0	0	0	6	0
ARMORY	2	227	Y	2	0	0	0	2	0
ARMORY	2	228	Y	2	0	0	0	2	0
ARMORY	2	229	Y	2	0	0	0	2	0
ARMORY	2	230	Y	6	0	0	0	6	0
ARMORY	2	231	Y	9	0	0	0	9	0
ARMORY	2	232	Y	6	0	0	0	6	0
ARMORY	2	233	Y	1	1	0	0	0	0
ARMORY	2	234	Y	4	0	0	0	4	0
ARMORY	2	235	Y	8	0	0	0	8	0
ARMORY	2	236	Y	2	0	2	0	0	0
ARMORY	2	237	Y	5	0	0	0	5	0
ARMORY	2	238	Y	5	0	5	0	0	0
HSCOE	1	100	Y	6	0	0	0	6	0
HSCOE	1	101	Y	10	0	0	0	10	0
HSCOE	1	102	Y	3	0	0	0	3	0
HSCOE	1	103	Y	3	0	0	0	3	0
HSCOE	1	104	Y	1	1	0	0	0	0
HSCOE	1	105	Y	4	0	0	0	4	0
HSCOE	1	106	Y	43	0	0	0	43	0
HSCOE	1	107	Y	10	0	0	0	10	0
HSCOE	1	108	Y	2	0	0	0	2	0
HSCOE	1	109	N	N/A	N/A	N/A	N/A	N/A	N/A
HSCOE	1	110	Y	0	0	0	0	0	0
HSCOE	1	111	Y	4	0	0	0	4	0
HSCOE	1	112	Y	10	0	0	2	8	0
HSCOE	1	113	Y	4	0	0	0	4	0
HSCOE	1	114	Y	0	0	0	0	0	0
HSCOE	1	115	Y	3	0	0	0	3	0
HSCOE	1	116	Y	3	3	0	0	0	0
HSCOE	1	117	Y	25	0	0	0	25	0
HSCOE	1	118	Y	2	0	0	0	2	0
HSCOE	1	119	Y	2	0	0	0	2	0
HSCOE	1	120	Y	2	0	0	0	2	0
HSCOE	1	121	Y	2	0	0	0	2	0
HSCOE	1	122	Y	2	0	0	0	2	0
HSCOE	1	123	Y	4	0	0	0	4	0
HSCOE	1	124	Y	4	0	0	0	4	0
HSCOE	1	125	Y	4	0	0	0	4	0
HSCOE	1	126	Y	2	0	0	0	2	0

HSCOE	1	127	Y	12	0	0	0	12	0
HSCOE	1	128	Y	2	0	0	0	2	0
HSCOE	1	129	Y	1	0	0	0	1	0
HSCOE	1	130	Y	4	0	0	0	4	0
HSCOE	1	131	N	N/A	N/A	N/A	N/A	N/A	N/A
HSCOE	1	132	Y	19	0	0	0	19	0
HSCOE	1	133	Y	2	0	0	0	2	0
HSCOE	1	134	Y	1	0	0	0	1	0
HSCOE	1	135	Y	6	0	0	0	6	0
HSCOE	1	136	Y	6	0	0	0	6	0
HSCOE	1	137	Y	8	0	0	0	8	0
HSCOE	1	138	Y	10	0	0	0	10	0
HSCOE	1	139	Y	10	0	0	0	10	0
HSCOE	1	140	Y	8	0	0	0	8	0
HSCOE	1	141	N	N/A	N/A	N/A	N/A	N/A	N/A
HSCOE	1	142	N	N/A	N/A	N/A	N/A	N/A	N/A
ARSHALL'S BUILDIN	1	101	Y	52	0	42	10	0	0
ARSHALL'S BUILDIN	1	102	Y	4	0	4	0	0	0
ARSHALL'S BUILDIN	1	103	Y	1	0	0	1	0	0
ARSHALL'S BUILDIN	1	104	Y	4	0	4	0	0	0
ARSHALL'S BUILDIN	1	105	Y	3	2	1	0	0	0
ARSHALL'S BUILDIN	1	106	Y	16	0	16	0	0	0
ARSHALL'S BUILDIN	1	107	Y	1	0	1	0	0	0
ARSHALL'S BUILDIN	1	108	Y	4	0	3	1	0	0
ARSHALL'S BUILDIN	1	109	Y	2	0	2	0	0	0
ARSHALL'S BUILDIN	1	110	N	N/A	N/A	N/A	N/A	N/A	N/A
ARSHALL'S BUILDIN	1	111	Y	2	0	2	0	0	0
ARSHALL'S BUILDIN	1	112	Y	11	0	10	1	0	0
ARSHALL'S BUILDIN	1	113	N	N/A	N/A	N/A	N/A	N/A	N/A
ARSHALL'S BUILDIN	1	114	Y	1	0	1	0	0	0
ARSHALL'S BUILDIN	1	115	Y	4	0	1	1	0	0
ARSHALL'S BUILDIN	1	116	Y	3	3	0	0	0	0
GUARD POST	1	101	Y	2	0	2	0	0	0
DMAVA	1	Shed	Y	1	0	1	0	0	0
FMS	1	101	Y	21	0	21	0	0	0
FMS	1	102	Y	4	0	0	0	4	0
FMS	1	103	Y	5	0	0	0	5	0
FMS	1	104	Y	10	0	0	0	10	0
FMS	1	105	Y	15	0	0	0	15	0
FMS	1	106	Y	5	0	0	0	5	0
FMS	1	107	Y	6	0	0	6	0	0
FMS	1	108	Y	6	0	5	1	0	0
FMS	1	109	Y	12	0	3	1	8	0
FMS	1	110	Y	2	0	0	0	2	0
FMS	1	111	Y	5	0	0	0	5	0
BUILDING 161	1	101	Y	113	55	0	0	58	0
BUILDING 161	1	102	Y	6	6	0	0	0	0
BUILDING 161	1	103	Y	4	3	0	0	1	0
BUILDING 161	1	104	Y	2	0	2	0	0	0
BUILDING 161	1	105	Y	2	0	2	0	0	0
BUILDING 161	1	Attic	Y	4	4	0	0	0	0
BUILDING 3	1	101	Y	11	3	8	0	0	0
BUILDING 5	1	101	Y	31	0	0	0	31	0
BUILDING 5	1	102	Y	0	0	0	0	0	0
BUILDING 5	1	103	Y	3	0	0	0	3	0
BUILDING 5	1	104	Y	6	0	0	0	6	0

	Number of Fluorescent Light Fixtures	Number of Magnetic Ballast	Number of Electronic Ballast	Number of Inoperable Fluorescent Light Ballasts	Number of LED	Number of Leaking Ballast
DMAVA total	1015	32	510	334	139	0
ARMORY total	624	45	183	76	310	0
HSCOE total	244	4	0	2	238	0
Marshall's total	108	5	87	14	0	0
REST total	1991	86	780	426	687	0

Table LI1
Light Ballast Survey

Date: 8/2/2017
Surveyors: Bill McBride, Hannah Buckley, and Hunter Davis
Facility Name: Lodi
Armorer: Frank Martinez

Building (Armory, FMS, Warehouse, MVSB,CSMS)	Floor	Room	Room Accessible (Y/N)	Number of Fluorescent Light Fixtures	Number of Inoperable Fluorescent Light Fixtures	Number of Magnetic Ballast	Number of Electronic Ballast	Number of Leaking Ballast	Number of Unreachable Ballast	Notes
LODI ARMORY	1	100	Y	0	0	0	0	0	0	
LODI ARMORY	1	101	Y	1	0	0	1	0	0	
LODI ARMORY	1	102	Y	7	1	5	1	0	0	1 maybe LED
LODI ARMORY	1	102A	N	N/A	N/A	N/A	N/A	N/A	N/A	
LODI ARMORY	1	103	Y	1	0	1	0	0	0	
LODI ARMORY	1	104	Y	1	0	1	0	0	0	
LODI ARMORY	1	105	Y	2	0	2	0	0	0	
LODI ARMORY	1	106	Y	2	0	2	0	0	0	
LODI ARMORY	1	107	Y	2	0	2	0	0	0	
LODI ARMORY	1	108	N	N/A	N/A	N/A	N/A	N/A	N/A	
LODI ARMORY	1	108A	N	N/A	N/A	N/A	N/A	N/A	N/A	
LODI ARMORY	1	109	Y	3	0	0	3	0	0	
LODI ARMORY	1	109H	Y	2	1	1	0	0	0	
LODI ARMORY	1	110	Y	20	0	0	18	0	2	
LODI ARMORY	1	112	Y	2	0	0	2	0	0	
LODI ARMORY	1	113	Y	2	0	0	2	0	0	
LODI ARMORY	1	114	Y	3	2	0	1	0	0	
LODI ARMORY	1	115	Y	3	0	0	3	0	0	
LODI ARMORY	1	116	Y	20	0	0	20	0	0	
LODI ARMORY	1	117	Y	5	0	0	5	0	0	
LODI ARMORY	1	117A	Y	2	0	0	2	0	0	
LODI ARMORY	1	117B	Y	2	0	2	0	0	0	
LODI ARMORY	1	118A	Y	3	0	2	1	0	0	
LODI ARMORY	1	118B	Y	2	0	1	1	0	0	
LODI ARMORY	1	120	Y	10	0	9	1	0	0	
LODI ARMORY	1	121	Y	7	2	5	0	0	0	
LODI ARMORY	1	122	Y	6	0	6	0	0	0	
LODI ARMORY	1	123	Y	3	0	3	0	0	0	
LODI ARMORY	1	125	Y	5	0	5	0	0	0	
LODI ARMORY	1	126	Y	0	0	0	0	0	0	
LODI ARMORY	1	127	Y	1	0	1	0	0	0	
LODI ARMORY	1	128	Y	4	0	4	0	0	0	
LODI ARMORY	1	129	Y	4	1	3	0	0	0	
LODI ARMORY	1	130	N	N/A	N/A	N/A	N/A	N/A	N/A	
LODI ARMORY	1	130	N	N/A	N/A	N/A	N/A	N/A	N/A	
LODI ARMORY	1	131	N	N/A	N/A	N/A	N/A	N/A	N/A	
LODI ARMORY	1	131A	Y	1	0	0	1	0	0	
LODI ARMORY	1	132	N	1	0	0	1	0	0	
LODI ARMORY	1	132A	N		0		0	0	0	
LODI ARMORY	1	133	Y	2	0	0	2	0	0	
LODI ARMORY	1	133	Y	2	0	0	2	0	0	
LODI ARMORY	1	133	N	N/A	N/A	N/A	N/A	N/A	N/A	
LODI ARMORY	1	133A	N	N/A	N/A	N/A	N/A	N/A	N/A	
LODI ARMORY	1	133B	N	N/A	N/A	N/A	N/A	N/A	N/A	
LODI ARMORY	1	134	Y	6	0		4	0	2	

LODI ARMORY	1	135	Y	23	4	19	0	0	0	
LODI ARMORY	1	140	Y	2	1	1	0	0	0	
LODI ARMORY	1	141	Y	2	0	0	2	0	0	
LODI ARMORY	1	143	Y	2	0	0	2	0	0	
LODI ARMORY	1	144	Y	7	0	0	7	0	0	
LODI MVSB-1	1	MVSB1-1	Y	0	0	0	0	0	0	
LODI MVSB-1	1	MVSB1-1A	Y	2	0	2	0	0	0	
LODI MVSB-1	1	MVSB1-2	Y	45	1	44	0	0	0	
LODI MVSB-1	1	MVSB1-3	Y	4	0	4	0	0	0	
LODI MVSB-1	1	MVSB1-4	Y	4	0	4	0	0	0	
LODI MVSB-1	1	MVSB1-5	Y	0	0	0	0	0	0	
LODI MVSB-1	1	MVSB1-6	Y	5	0	5	0	0	0	
LODI MVSB-1	1	MVSB1-7	Y	0	0	0	0	0	0	
LODI MVSB-1	1	MVSB1-8	Y	14	0	8	6	0	0	
LODI MVSB-2	1	MVSB2-1	Y	26	3	21	1	0	0	
LODI MVSB-2	1	MVSB2-2	Y	2	0	0	2	0	0	

	Number of Fluorescent Light Fixtures	Number of Inoperable Fluorescent Light Ballasts	Number of Magnetic Ballast	Number of Electronic Ballast	Number of Leaking Ballast	Number of Unreachable Ballast
Armory Total:	173	12	75	82	0	4
MSVB Total:	102	4	88	9	0	0
Facility Total:	275	16	163	91	0	4

Table MN1
Light Ballast Survey

Date: 6/26/2017
Surveyors: Bill McBride, Hannah Buckley, Hunter Davis
Facility Name: Morristown
Armorer: Collin Thomas

Building (Armory, FMS, Warehouse, MVSB,CSMS)	Floor	Room	Room Accessible (Y/N)	Number of Fluorescent Light Fixtures	Number of Inoperable Fluorescent Light Fixtures	Number of Magnetic Ballast	Number of Electronic Ballast	Number of LED Ballast	Number of Leaking Ballast	Number of Unreachable Ballast
ARMORY	1	100	Y	10	0	0	0	10	0	0
ARMORY	1	103	Y	7	0	0	0	7	0	0
ARMORY	1	101	Y	13	0	0	0	8	0	5
ARMORY	1	104	Y	12	0	0	0	12	0	0
ARMORY	1	105	Y	2	0	0	0	2	0	0
ARMORY	1	125	Y	1	0	0	0	1	0	0
ARMORY	1	106	Y	7	0	0	0	7	0	0
ARMORY	1	107	Y	0	0	0	0	0	0	0
ARMORY	1	108	Y	5	0	0	0	5	0	0
ARMORY	1	109	Y	8	0	0	8	0	0	0
ARMORY	1	110	Y	0	0	0	0	0	0	0
ARMORY	1	111	Y	10	0	0	0	10	0	0
ARMORY	1	112	Y	9	0	0	9	0	0	0
ARMORY	1	113	Y	61	0	0	1	0	0	60
ARMORY	1	115	Y	2	0	0	2	0	0	0
ARMORY	1	126	N	N/A	N/A	N/A	N/A	N/A	N/A	N/A
ARMORY	1	116	N	N/A	N/A	N/A	N/A	N/A	N/A	N/A
ARMORY	1	117	Y	18	0	18	0	0	0	0
ARMORY	1	118	N	0	0	0	0	0	0	0
ARMORY	1	119	N	0	0	0	0	0	0	0
ARMORY	1	127	Y	4	0	0	0	4	0	0
ARMORY	1	120	N	N/A	N/A	N/A	N/A	N/A	N/A	N/A
ARMORY	1	121	N	N/A	N/A	N/A	N/A	N/A	N/A	N/A
ARMORY	1	122	N	N/A	N/A	N/A	N/A	N/A	N/A	N/A
ARMORY	1	123	Y	8	0	0	0	8	0	0
ARMORY	1	124	Y	12	0	0	0	12	0	0
ARMORY	2	216	N	N/A	N/A	N/A	N/A	N/A	N/A	N/A
ARMORY	2	215	Y	2	0	2	0	0	0	0
ARMORY	2	214	Y	3	0	0	0	3	0	0
ARMORY	2	213	Y	6	0	0	0	6	0	0
ARMORY	2	212	Y	9	0	9	0	0	0	0
ARMORY	2	211	Y	3	0	0	0	0	0	3
ARMORY	2	210	Y	4	1	0	0	3	0	0
ARMORY	2	209	Y	2	0	0	0	2	0	0
ARMORY	2	208	Y	10	0	10	0	0	0	0
ARMORY	2	207	Y	10	0	10	0	0	0	0
ARMORY	2	206	Y	5	0	2	0	3	0	0
ARMORY	2	205	Y	5	0	0	0	5	0	0
ARMORY	2	204	Y	16	1	0	15	0	0	0
ARMORY	2	203	Y	8	0	0	0	8	0	0
ARMORY	2	202	Y	37	0	0	35	2	0	0
ARMORY	2	201	Y	13	0	0	13	0	0	0
ARMORY	2	200	Y	18	0	0	0	18	0	0

	Number of Fluorescent Light Fixtures	Number of Inoperable Fluorescent Light Ballasts	Number of Magnetic Ballast	Number of Electronic Ballast	Number of LED	Number of Leaking Ballast	Number of Unreachable Ballast
Armory Total:	340	2	51	83	136	0	68
Facility Total:	340	2	51	83	136	0	68

Table MY1
Light Ballast Survey

Date: 6/29/2017
Surveyors: Devin Walker, Rosalie Hood, Jonathan McKinnon
Facility Name: Mount Holly
Armorer: Nick Torres

Building (Armory, FMS, Warehouse, MVSB,CSMS)	Floor	Room	Room Accessible (Y/N)	Number of Fluorescent Light Fixtures	Number of Inoperable Fluorescent Light Fixtures	Number of Magnetic Ballast	Number of Electronic Ballast	Number of LED	Number of Leaking Ballast	Notes
Armory	1	100	Y	1	0	0	1	0	0	
Armory	1	100A	Y	3	0	0	3	0	0	
Armory	1	101	Y	2	0	0	2	0	0	
Armory	1	101A	Y	2	0	2	0	0	0	
Armory	1	101B	Y	2	0	2	0	0	0	
Armory	1	102	Y	7	0	0	7	0	0	
Armory	1	103	Y	3	0	0	3	0	0	
Armory	1	104	Y	4	0	0	4	0	0	
Armory	1	105	Y	8	0	0	8	0	0	
Armory	1	106	Y	8	0	0	8	0	0	
Armory	1	107	Y	20	0	0	0	20	0	
Armory	1	108	Y	0	0	0	0	0	0	No FLBs
Armory	1	108A	N	N/A	N/A	N/A	N/A	N/A	N/A	No Access
Armory	1	108	Y	0	0	0	0	0	0	No FLBs
Armory	1	109	Y	0	0	0	0	0	0	No FLBs
Armory	1	109A	Y	0	0	0	0	0	0	No FLBs
Armory	1	109B	Y	0	0	0	0	0	0	No FLBs
Armory	1	109C	Y	0	0	0	0	0	0	No FLBs
Armory	1	110	Y	0	0	0	0	0	0	No FLBs
Armory	1	111	Y	5	0	0	5	0	0	
Armory	1	112	Y	3	0	0	3	0	0	
Armory	1	112A	Y	1	0	0	1	0	0	
Armory	1	107A	Y	0	0	0	0	0	0	No FLBs, hallway outside armorer office
Armory	1	114	Y	2	0	2	0	0	0	
Armory	1	113	Y	2	0	2	0	0	0	

	Number of Fluorescent Light Fixtures	Number of Inoperable Fluorescent Light Ballasts	Number of Magnetic Ballast	Number of Electronic Ballast	Number of Leaking Ballast	Number of LED
Facility Total:	73	0	8	45	0	20

Table NK1
Light Ballast Survey

Date: 7/27/2017
Surveyors: Chuck Appleby, Rosalie Hood, Jon Mikinnon, Hannah Buckley, and Hunter Davis
Facility Name: Newark
Armorer: Jamie Simon

Building (Armory, FMS, Warehouse, MVSB,CSMS)	Floor	Room	Room Accessible (Y/N)	Number of Fluorescent Light Fixtures	Number of Inoperable Fluorescent Light Fixtures	Number of Magnetic Ballast	Number of Electronic Ballast	Number of Leaking Ballast	Notes
Armory	1	100	Y	7	0	0	7	0	
Armory	1	100H	Y	5	0	0	5	0	
Armory	1	101	Y	6	0	0	6	0	
Armory	1	102	Y	5	0	0	5	0	
Armory	1	104	Y	5	0	0	5	0	
Armory	1	105	Y	3	0	0	3	0	
Armory	1	106	Y	2	0	0	2	0	
Armory	1	107	Y	6	0	0	6	0	
Armory	1	107H	Y	1	0	0	1	0	
Armory	1	108	Y	2	0	0	2	0	
Armory	1	109	Y	2	0	0	2	0	
Armory	1	110	Y	2	0	0	2	0	
Armory	1	111	Y	2	0	0	2	0	
Armory	1	112	Y	16	1	0	15	0	
Armory	1	113	Y	6	0	0	6	0	
Armory	1	113H	Y	5	0	0	5	0	
Armory	1	114	Y	0	0	0	0	0	
Armory	1	115	Y	7	0	0	7	0	
Armory	1	115H	Y	12	1	0	11	0	
Armory	1	116	Y	0	0	0	0	0	
Armory	1	117	Y	0	0	0	0	0	
Armory	1	118	Y	0	0	0	0	0	
Armory	1	119	Y	0	0	0	0	0	
Armory	1	120	Y	3	0	0	3	0	
Armory	1	121	Y	2	0	0	2	0	
Armory	1	122	Y	0	0	0	0	0	
Armory	1	123	Y	15	0	0	15	0	
Armory	1	125	Y	7	0	0	7	0	
Armory	1	126	Y	8	0	0	8	0	
Armory	1	127	Y	3	0	0	3	0	
Armory	1	129	Y	8	0	0	8	0	
Armory	1	131	Y	10	1	0	9	0	
Armory	1	134	Y	50	0	0	50	0	
Armory	1	140	Y	0	0	0	0	0	4 UNACCESSIBLE
Armory	1	141	Y	0	0	0	0	0	
OMS	1	OMS-1	Y	0	0	0	0	0	
OMS	1	OMS-2	Y	0	0	0	0	0	
OMS	1	OMS-3	Y	37	3	34	0	0	
OMS	1	OMS-3A	Y	0	0	0	0	0	
OMS	1	OMS-4	Y	1	0	1	0	0	
OMS	1	OMS-6	Y	4	0	4	0	0	
OMS	1	OMS-7	Y	2	0	2	0	0	
OMS	1	OMS-8	Y	2	0	2	0	0	
OMS	1	OMS-10	Y	0	0	0	0	0	
Armory	2	200	Y	1	0	0	1	0	
Armory	2	201	Y	1	0	0	1	0	
Armory	2	202	Y	1	0	0	1	0	
Armory	2	203	Y	1	0	0	1	0	
Armory	2	204	Y	1	0	0	1	0	
Armory	2	205	Y	2	0	0	2	0	
Armory	2	206	Y	4	0	0	4	0	
Armory	2	206H	Y	3	0	0	3	0	
Armory	2	207	Y	32	0	0	32	0	

Armory	2	208	Y	12	0	0	12	0	
Armory	2	209	Y	4	0	0	4	0	
Armory	2	210	Y	4	0	0	4	0	
Armory	2	211	Y	6	0	0	6	0	
Armory	2	212H	Y	8	0	0	8	0	
Armory	2	213	Y	2	0	0	2	0	
Armory	2	214	Y	0	0	0	0	0	
Armory	2	215	Y	0	0	0	0	0	
Armory	2	216	Y	0	0	0	0	0	
Armory	2	217	Y	0	0	0	0	0	
Armory	2	218	Y	0	0	0	0	0	
Armory	2	219	Y	7	0	0	7	0	
Armory	2	220	Y	8	0	0	8	0	
Armory	2	221	Y	2	0	0	2	0	
Armory	2	222	Y	7	2	0	5	0	
Armory	2	223H	Y	9	0	0	9	0	
Armory	2	224	Y	3	0	0	3	0	
Armory	2	226	Y	3	0	0	3	0	
Armory	2	227	Y	2	0	0	2	0	
Armory	2	228	Y	3	0	0	3	0	
Armory	2	229	Y	6	0	0	6	0	
Armory	2	230	Y	3	1	0	2	0	
Armory	2	231	Y	6	0	0	6	0	
Armory	2	232	Y	2	0	0	2	0	
Armory	2	233	Y	2	0	0	2	0	
Armory	2	234	Y	2	0	0	2	0	
Armory	2	235	Y	2	0	0	2	0	
Armory	2	236	Y	2	0	0	2	0	
Armory	2	237	Y	2	0	0	2	0	
Armory	2	238	Y	2	0	0	2	0	
Armory	2	239	Y	2	0	0	2	0	
Armory	2	240	Y	2	0	0	2	0	
Armory	2	241	Y	2	0	0	2	0	
Armory	2	242	Y	14	1	0	13	0	
Armory	3	ALL	Y	0	0	0	0	0	Floor 3, Room ALL, the whole floor was unsurveyable and the light ballast fixtures were disconnected from electrical system.

	Number of Fluorescent Light Fixtures	Number of Inoperable Fluorescent Light Ballasts	Number of Magnetic Ballast	Number of Electronic Ballast	Number of Leaking Ballast
Armory Total:	375	7	0	368	0
OMS Total:	46	3	43	0	0
Facility Total:	421	10	43	368	0

Table OU1
Light Ballast Survey

Date: 8/8/2017
Surveyors: Devin Walker, Rosalie Hood, Jon Mckinnon
Facility Name: Old UTES
Armorer: Sam Delpidio

Building (Armory, FMS, Warehouse, MVSB,CSMS)	Floor	Room	Room Accessible (Y/N)	Number of Fluorescent Light Fixtures	Number of Inoperable Fluorescent Light Fixtures	Number of Magnetic Ballast	Number of Electronic Ballast	Number of Leaking Ballast	Notes
OLD UTES	1	100	Y	59	20	33	6	0	
OLD UTES	1	100A	N	N/A	N/A	N/A	N/A	N/A	
OLD UTES	1	100AB	Y	0	0	0	0	0	
OLD UTES	1	101	Y	14	0	8	6	0	
OLD UTES	1	102	Y	2	0	2	0	0	
OLD UTES	1	103	Y	4	2	2	0	0	
OLD UTES	1	104	Y	7	0	0	7	0	
OLD UTES	1	105	Y	4	1	1	2	0	
OLD UTES	1	106	Y	5	2	2	1	0	
OLD UTES	1	107	Y	0	0	0	0	0	
OLD UTES	1	108	Y	0	0	0	0	0	
OLD UTES	1	109	Y	6	3	0	0	0	3 LED
OLD UTES	1	110	Y	3	0	3	0	0	
OLD UTES	1	111	Y	3	0	3	0	0	
OLD UTES	1	112	Y	4	0	4	0	0	
OLD UTES	1	113	Y	2	0	1	1	0	
OLD UTES	1	114	Y	2	0	2	0	0	
OLD UTES	1	115	Y	4	0	4	0	0	
OLD UTES	1	116	Y	5	1	1	3	0	
OLD UTES	1	117	Y	4	0	0	4	0	
OLD UTES	1	118	N	N/A	N/A	N/A	N/A	N/A	
OLD UTES	1	119	Y	116	0	0	116	0	

	Number of Fluorescent Light Fixtures	Number of Inoperable Fluorescent Light Ballasts	Number of Magnetic Ballast	Number of Electronic Ballast	Number of Leaking Ballast	Number of Leaking Ballast	Number of LED
Facility Total:	244	29	66	146	0	0	3

Light Ballast Survey
Table PY1

Date: 6/19/2017
Surveyors: Bill McBride, Hannah Buckley, Hunter Davis
Facility Name: Picatinny
Armorer: Charles Rissmiller

Building (Armory, FMS, Warehouse, MVSB,CSMS)	Floor	Room	Room Accessible (Y/N)	Number of Fluorescent Light Fixtures	Number of Inoperable Fluorescent Light Fixtures	Number of Magnetic Ballast	Number of Electronic Ballast	Number of LED	Number of Leaking Ballast	Number of Unreachable Ballast
FMS	1	113	Y	8	2	0	6	0	0	0
FMS	1	105	Y	0	0	0	0	0	0	0
FMS	1	106	Y	2	0	0	2	0	0	0
FMS	1	114	Y	6	0	0	6	0	0	0
FMS	1	115	Y	4	0	0	4	0	0	0
FMS	1	111	Y	4	0	0	4	0	0	0
FMS	1	122	Y	2	1	0	1	0	0	0
FMS	1	112	Y	6	0	0	6	0	0	0
FMS	1	107	Y	3	0	0	3	0	0	0
FMS	1	108	Y	3	0	0	3	0	0	0
FMS	1	109	N	NA	NA	NA	NA	NA	NA	NA
FMS	1	110	N	NA	NA	NA	NA	NA	NA	NA
FMS	1	119	Y	16	0	0	16	0	0	0
FMS	1	118	Y	11	0	0	11	0	0	0
FMS	1	117	Y	4	0	0	4	0	0	0
FMS	1	116	Y	3	0	0	3	0	0	0
FMS	1	121	Y	3	0	0	3	0	0	0
FMS	1	120	Y	13	0	0	13	0	0	0
FMS	1	125	Y	0	0	0	0	0	0	0
FMS	1	103	Y	24	0	0	1	0	0	23
FMS	1	104	Y	8	0	0	8	0	0	0
FMS	1	102	Y	5	0	0	5	0	0	0
FMS	1	101	Y	9	0	0	9	0	0	0
FMS	2	213	Y	5	0	0	5	0	0	0
FMS	2	214	Y	6	0	0	6	0	0	0
FMS	2	215	Y	3	0	0	3	0	0	0
FMS	2	226	Y	3	0	0	3	0	0	0
FMS	2	210	Y	3	0	0	3	0	0	0
FMS	2	209	Y	3	0	0	3	0	0	0
FMS	2	211	Y	3	1	0	2	0	0	0
FMS	2	204	Y	7	1	0	6	0	0	0
FMS	2	208	Y	12	0	0	12	0	0	0
FMS	2	225	Y	2	0	0	2	0	0	0
FMS	2	201	Y	1	0	0	1	0	0	0
FMS	2	205	Y	11	0	0	11	0	0	0
FMS	2	203	Y	4	0	0	4	0	0	0
FMS	2	224	Y	12	0	0	12	0	0	0
FMS	2	228	Y	5	1	0	4	0	0	0
FMS	2	207	Y	14	0	0	14	0	0	0

	Number of Fluorescent Light Fixtures	Number of Inoperable Fluorescent Light Ballasts	Number of Magnetic Ballast	Number of Electronic Ballast	Number of LED	Number of Leaking Ballast	Number of Unreachable Ballast
Facility Total:	228	6	0	199	0	0	23

Light Ballast Survey
Table PN1

Date: 7/12/2017
Surveyors: Anjelica McMahone, Rosalie Hood and Jon Mckinnon
Facility Name: Princeton Warehouse
Armorer: Sam DelPidio

Building (Armory, FMS, Warehouse, MVSB,CSMS)	Floor	Room	Room Accessible (Y/N)	Number of Fluorescent Light Fixtures	Number of Inoperable Fluorescent Light Fixtures	Number of Magnetic Ballast	Number of Electronic Ballast	Number of Leaking Ballast
WAREHOUSE	1	100	Y	0	0	0	0	0
WAREHOUSE	1	100A	Y	2	0	2	0	0
WAREHOUSE	1	100B	Y	2	0	0	2	0
WAREHOUSE	1	100C	Y	4	0	0	4	0
STATE POLICE	1	101	Y	6	0	6	0	0
STATE POLICE	1	102	Y	4	1	3	0	0
STATE POLICE	1	103	Y	3	0	3	0	0
STATE POLICE	1	104	Y	0	0	0	0	0
STATE POLICE	1	105	Y	1	0	1	0	0
STATE POLICE	1	105A	Y	0	0	0	0	0
STATE POLICE	1	106	Y	16	0	0	16	0
STATE POLICE	1	107	Y	8	0	8	0	0
STATE POLICE	1	108	Y	8	0	8	0	0
STATE POLICE	1	109	N	N/A	N/A	N/A	N/A	N/A
STATE POLICE	1	110	Y	0	0	0	0	0

	Number of Fluorescent Light Fixtures	Number of Inoperable Fluorescent Light Ballasts	Number of Magnetic Ballast	Number of Electronic Ballast	Number of Leaking Ballast
Warehouse Totals	8	0	2	6	0
State Police Totals	46	1	29	16	0
Facility Totals	54	1	31	22	0

Light Ballast Survey
Table RE1

Date: 6/28/2017
Surveyors: Sarah Helble, Hannah Buckley, Hunter Davis
Facility Name: Riverdale
Armorer: Charles Rissmiller

Building (Armory, FMS, Warehouse, MVSB,CSMS)	Floor	Room	Room Accessible (Y/N)	Number of Fluorescent Light Fixtures	Number of Inoperable Fluorescent Light Fixtures	Number of Magnetic Ballast	Number of Electronic Ballast	Number of LED Ballast	Number of Leaking Ballast	Number of Unreachable Ballast
ARMORY	1	106	Y	4	0	0	4	0	0	0
ARMORY	1	118	Y	8	0	0	8	0	0	0
ARMORY	1	140	Y	2	0	0	2	0	0	0
ARMORY	1	139	Y	9	2	0	7	0	0	0
ARMORY	1	146	Y	7	3	4	0	0	0	0
ARMORY	1	141	N	N/A	N/A	N/A	N/A	N/A	N/A	N/A
ARMORY	1	145	Y	10	5	5	0	0	0	0
ARMORY	1	147	Y	9	0	0	9	0	0	0
ARMORY	1	138	Y	4	0	2	2	0	0	0
ARMORY	1	142	N	N/A	N/A	N/A	N/A	N/A	N/A	N/A
ARMORY	1	143	N	N/A	N/A	N/A	N/A	N/A	N/A	N/A
ARMORY	1	144	Y	2	0	0	2	0	0	0
ARMORY	1	136	Y	15	10	4	1	0	0	0
ARMORY	1	107	Y	0	0	0	0	0	0	0
ARMORY	1	112	Y	2	0	0	2	0	0	0
ARMORY	1	110	Y	6	0	0	6	0	0	0
ARMORY	1	111	Y	1	0	1	0	0	0	0
ARMORY	1	108	Y	8	1	7	0	0	0	0
ARMORY	1	109	Y	1	0	0	1	0	0	0
ARMORY	1	101	Y	6	4	2	0	0	0	0
ARMORY	1	100	Y	2	0	1	1	0	0	0
ARMORY	1	102	Y	2	0	0	2	0	0	0
ARMORY	1	104	Y	0	0	0	0	0	0	0
ARMORY	1	103	Y	6	1	2	3	0	0	0
ARMORY	1	105	Y	0	0	0	0	0	0	0
ARMORY	1	106	Y	0	0	0	0	0	0	0
ARMORY	1	135	Y	6	0	4	2	0	0	0
ARMORY	1	113	Y	4	1	3	0	0	0	0
ARMORY	1	131	Y	1	0	1	0	0	0	0
ARMORY	1	132	N	N/A	N/A	N/A	N/A	N/A	N/A	N/A
ARMORY	1	130	N	N/A	N/A	N/A	N/A	N/A	N/A	N/A
ARMORY	1	114	Y	7	1	1	5	0	0	0
ARMORY	1	133	Y	6	1	5	0	0	0	0
ARMORY	1	115	N	N/A	N/A	N/A	N/A	N/A	N/A	N/A
ARMORY	1	116	N	N/A	N/A	N/A	N/A	N/A	N/A	N/A
ARMORY	1	134	Y	6	0	5	1	0	0	0
ARMORY	1	117	Y	11	4	7	0	0	0	0
ARMORY	1	148	Y	4	0	4	0	0	0	0
ARMORY	1	120	Y	6	0	3	3	0	0	0
ARMORY	2A	220	Y	4	2	2	0	0	0	0
ARMORY	2A	233	Y	2	0	0	0	0	0	2
ARMORY	2A	234	Y	2	0	0	0	0	0	2
ARMORY	2A	232	Y	3	0	0	0	0	0	3
ARMORY	2A	231	Y	2	0	2	0	0	0	0
ARMORY	2A	230	Y	2	0	2	0	0	0	0
ARMORY	2A	229	Y	8	4	4	0	0	0	0
ARMORY	2A	228	Y	2	0	2	0	0	0	0
ARMORY	2A	227	Y	2	0	2	0	0	0	0
ARMORY	2A	226	Y	4	1	3	0	0	0	0
ARMORY	2A	225	Y	4	2	2	0	0	0	0

ARMORY	2A	224	Y	2	0	1	1	0	0	0
ARMORY	2A	223	Y	2	0	0	2	0	0	0
ARMORY	2A	222	Y	4	1	3	0	0	0	0
ARMORY	2A	236	Y	4	0	4	0	0	0	0
ARMORY	2B	200	Y	3	0	0	3	0	0	0
ARMORY	2B	201	Y	4	1	3	0	0	0	0
ARMORY	2B	202	Y	2	1	1	0	0	0	0
ARMORY	2B	203	Y	4	0	3	1	0	0	0
ARMORY	2B	204	Y	2	1	1	0	0	0	0
ARMORY	2B	205	Y	2	0	0	0	0	0	2
ARMORY	2B	206	Y	2	0	2	0	0	0	0
ARMORY	2B	207	Y	2	0	2	0	0	0	0
ARMORY	2B	208	Y	7	3	3	1	0	0	0
ARMORY	2B	209	Y	3	0	0	3	0	0	0
ARMORY	2B	211	Y	2	1	1	0	0	0	0
ARMORY	2B	210	Y	3	0	2	1	0	0	0
MVSB	1	101	Y	0	0	0	0	0	0	0
MVSB	1	108	Y	1	1	0	0	0	0	0
MVSB	1	109	N	N/A	N/A	N/A	N/A	N/A	N/A	N/A
MVSB	1	103	N	N/A	N/A	N/A	N/A	N/A	N/A	N/A
MVSB	1	102	Y	9	3	6	0	0	0	0
MVSB	1	104	Y	19	10	9	0	0	0	0
MVSB	1	105	N	N/A	N/A	N/A	N/A	N/A	N/A	N/A
MVSB	1	107	Y	1	0	1	0	0	0	0
MVSB	1	106	N	N/A	N/A	N/A	N/A	N/A	N/A	N/A

	Number of Fluorescent Light Fixtures	Number of Inoperable Fluorescent Light Ballasts	Number of Magnetic Ballast	Number of Electronic Ballast	Number of Leaking Ballast	Number of LED	Number of Unreachable Ballast
Armory Totals:	238	50	106	73	0	0	9
MVSB Total:	30	14	16	0	0	0	0
Facility Total:	268	64	122	73	0	0	9

Light Ballast Survey
Table ST1

Date: 5/23/2017
Surveyors: Bill, Devin, Rose, Jon, Hunter, Hannah
Facility Name: Sea Girt
Armorer: Joseph Landree

Building (Armory, FMS, Warehouse, MVSB,CSMS)	Floor	Room	Room Accessible (Y/N)	Number of Fluorescent Light Fixtures	Number of Inoperable Fluorescent Light Fixtures	Number of Magnetic Ballast	Number of Electronic Ballast	Number of Leaking Ballast	LED
Building 1	1	Kitchen	Y	2	0	2	0	0	0
Building 1	1	Sun Porch	Y	2	0	2	0	0	0
Building 1	Basement	Basement	Y	6	1	5	0	0	0
Building 2	1	100	Y	8	0	5	3	0	0
Building 2	1	101	Y	2	0	2	0	0	0
Building 2	1	102	Y	2	0	2	0	0	0
Building 2	1	103	Y	27	1	16	10	0	0
Building 2	1	104	Y	2	0	2	0	0	0
Building 2	1	105	Y	3	0	2	1	0	0
Building 2	1	106	Y	2	0	0	2	0	0
Building 2	1	107	Y	4	0	4	0	0	0
Building 2	1	108	Y	4	0	4	0	0	0
Building 2	1	109	Y	1	0	0	1	0	0
Building 2	1	110	Y	2	0	0	2	0	0
Building 2	1	111	Y	2	1	1	0	0	0
Building 2	1	112	Y	17	0	0	17	0	0
Building 2	1	113	Y	12	0	0	12	0	0
Building 2	1	114	Y	9	2	7	0	0	0
Building 2	1	115	Y	1	0	1	0	0	0
Building 2	1	116	Y	1	0	0	1	0	0
Building 2	1	117	Y	2	0	0	2	0	0
Building 2	1	118	Y	6	0	0	6	0	0
Building 2	1	119	N	N/A	N/A	N/A	N/A	N/A	N/A
Building 2	1	120	Y	5	1	0	2	0	0
Building 2	1	121	N	N/A	n/a	n/a	n/a	n/a	n/a
Building 5	1	101	Y	2	0	0	2	0	0
Building 5	1	102	Y	2	0	2	0	0	0
Building 6	1	101	Y	1	0	1	0	0	0
Building 6	1	103	Y	1	0	1	0	0	0
Building 7	1	101	Y	3	0	3	0	0	0
Building 7	1	102	Y	3	1	2	0	0	0
Building 7	1	103	Y	3	0	0	3	0	0
Building 7	1	104	Y	2	0	0	2	0	0
Building 7	1	105	Y	4	0	0	4	0	0
Building 7	1	108	Y	11	0	0	11	0	0
Building 7	1	109	Y	10	0	2	8	0	0
Building 7	1	110	Y	3	1	2	0	0	0
Building 7	1	111	Y	2	0	2	0	0	0
Building 7	1	112	Y	4	0	3	1	0	0
Building 7	1	113	Y	2	0	0	2	0	0
Building 7	1	114	Y	1	0	0	1	0	0
Building 7	1	115	Y	3	0	1	2	0	0
Building 7	1	116	Y	2	0	0	2	0	0
Building 7	1	117	Y	4	0	4	0	0	0
Building 7	1	118	Y	2	0	0	2	0	0
Building 7	1	119	Y	4	0	0	4	0	0
Building 7	1	120	Y	1	0	0	1	0	0
Building 7	1	121	Y	1	0	0	1	0	0
Building 7	1	123	N	N/A	N/A	N/A	N/A	N/A	N/A
Building 7	1	125	Y	16	0	0	16	0	0
Building 7	1	126	Y	4	0	0	4	0	0
Building 7	1	127	Y	6	0	0	6	0	0
Building 7	1	128	Y	3	0	0	3	0	0
Building 7	1	130	Y	4	0	1	3	0	0
Building 7	1	131	Y	2	0	1	1	0	0
Building 7	1	132	Y	4	0	0	4	0	0
Building 7	1	133	Y	2	0	0	2	0	0
Building 7	1	134	Y	4	0	0	4	0	0
Building 7	1	135	Y	8	0	0	8	0	0
Building 7	1	136	Y	6	0	0	6	0	0
Building 7	1	137	Y	8	0	0	8	0	0

Building 7	2	201	Y	4	0	0	4	0	0
Building 7	2	202	Y	3	0	0	3	0	0
Building 7	2	203	Y	5	0	0	5	0	0
Building 7	2	204	Y	10	0	0	10	0	0
Building 7	2	205	Y	10	0	0	10	0	0
Building 7	2	206	Y	14	3	0	11	0	0
Building 7	2	207	Y	11	0	0	11	0	0
Building 7	2	208	Y	14	0	4	10	0	0
Building 7	2	209	Y	2	0	0	2	0	0
Building 7	2	211	Y	4	0	0	4	0	0
Building 7	2	215	Y	4	0	0	4	0	0
Building 7	2	216	Y	2	0	0	2	0	0
Building 7	2	217	Y	6	0	0	6	0	0
Building 7	2	218	Y	5	0	0	5	0	0
Building 7	2	219	Y	4	0	0	4	0	0
Building 7	2	220	Y	4	0	0	4	0	0
Building 7	2	221	Y	16	0	0	16	0	0
Building 7	2	222	Y	2	0	0	2	0	0
Building 7	2	223	Y	4	0	0	4	0	0
Building 7	2	224	Y	N/A	N/A	N/A	N/A	N/A	N/A
Building 7	2	225	Y	2	0	0	2	0	0
Building 7	2	226	Y	2	0	0	2	0	0
Building 7	2	227	Y	13	4	0	9	0	0
Building 7	2	228	Y	10	0	0	10	0	0
Building 7	2	229	Y	7	0	0	7	0	0
Building 7	2	230	Y	6	0	0	6	0	0
Building 8	1	101	Y	12	0	0	12	0	0
Building 8	1	102	Y	12	1	0	11	0	0
Building 8	1	103	Y	2	0	2	0	0	0
Building 8	1	104	Y	2	0	0	2	0	0
Building 8	1	105	Y	2	0	0	2	0	0
Building 8	1	106	Y	2	0	0	2	0	0
Building 8	1	107	Y	8	0	0	8	0	0
Building 8	1	108	Y	5	0	0	5	0	0
Building 8	1	109	Y	8	0	1	7	0	0
Building 8	1	110	Y	3	0	0	3	0	0
Building 8	1	111	Y	6	0	1	5	0	0
Building 8	1	112	Y	5	1	0	4	0	0
Building 8	1	113	Y	6	0	0	6	0	0
Building 8	1	114	Y	6	0	0	6	0	0
Building 8	1	115	Y	4	0	1	3	0	0
Building 8	1	116	N	N/A	N/A	N/A	N/A	N/A	N/A
Building 8	1	117	Y	6	0	0	6	0	0
Building 8	1	118	Y	3	0	1	2	0	0
Building 8	1	119	Y	2	0	0	2	0	0
Building 8	1	120	Y	1	0	0	1	0	0
Building 8	1	121	N	N/A	N/A	N/A	N/A	N/A	N/A
Building 8	1	122	Y	4	0	0	4	0	0
Building 8	1	123	Y	10	0	0	10	0	0
Building 8	1	124	Y	5	0	0	5	0	0
Building 8	1	125	Y	8	0	0	8	0	0
Building 8	1	126	Y	9	0	0	9	0	0
Building 8	1	127	Y	3	0	0	3	0	0
Building 8	1	128	Y	3	0	0	3	0	0
Building 8	1	129	N	N/A	N/A	N/A	N/A	N/A	N/A
Building 8	1	130	Y	10		0	10	0	0
Building 8	1	131	Y	2	0	0	2	0	0
Building 8	1	132	Y	3	1	0	2	0	0
Building 8	2	201	Y	6	0	0	6	0	0
Building 8	2	202	Y	6	0	0	6	0	0
Building 8	2	203	Y	5	0	0	5	0	0
Building 8	2	204	Y	5	0	0	5	0	0
Building 8	2	205	Y	6	0	0	6	0	0
Building 8	2	206	Y	6	0	0	6	0	0
Building 8	2	207	Y	6	0	0	6	0	0
Building 8	2	208	Y	6	0	0	6	0	0
Building 8	2	209	Y	5	0	0	5	0	0
Building 8	2	210	Y	5	0	0	5	0	0
Building 8	2	211	Y	6	0	0	6	0	0
Building 8	2	212	Y	6	0	0	6	0	0
Building 8	2	213	N	N/A	N/A	N/A	N/A	N/A	N/A
Building 8	2	214	N	N/A	N/A	N/A	N/A	N/A	N/A

Building 8	2	215	Y	6	0	0	6	0	0
Building 8	2	216	Y	6	0	0	6	0	0
Building 8	2	217	Y	5	0	0	5	0	0
Building 8	2	218	Y	5	0	0	5	0	0
Building 8	2	219	Y	6	0	0	6	0	0
Building 8	2	220	Y	6	0	0	6	0	0
Building 8	2	221	Y	5	0	0	5	0	0
Building 8	2	222	Y	5	0	0	5	0	0
Building 8	2	223	Y	6	0	0	6	0	0
Building 8	2	224	Y	6	0	0	6	0	0
Building 8	2	225	Y	3	0	0	3	0	0
Building 8	2	226	Y	4	0	0	4	0	0
Building 8	2	227	Y	12	0	0	12	0	0
Building 8	2	228	Y	12	0	0	12	0	0
Building 11	1	101	Y	44	3	35	6	0	0
Building 11	1	102	Y	1	0	1	0	0	0
Building 11	1	103	Y	10	0	0	10	0	0
Building 11	1	104	Y	0	0	0	0	0	0
Building 11	1	105	Y	0	0	0	0	0	0
Building 11	1	106	Y	0	0	0	0	0	0
Building 11	1	107	Y	0	0	0	0	0	0
Building 11	1	108	Y	0	0	0	0	0	0
Building 11	1	109	Y	4		0	4		0
Building 11	1	110	N	N/A	N/A	N/A	N/A	N/A	N/A
Building 11	1	111	N	N/A	N/A	N/A	N/A	N/A	N/A
Building 11	1	112	Y	0	0	0	0	0	0
Building 11	1	113	Y	15	1	2	3	0	9
Building 11	1	114	Y	0	0	0	0	0	0
Building 11	1	115	Y	2	0	0	2	0	0
Building 11	1	116	Y	2	0	0	2	0	0
Building 11	1	117	Y	32	0	0	32	0	0
Building 11	1	118	Y	0	0	0	0	0	0
Building 11	1	119	Y	0	0	0	0	0	0
Building 11	1	120	Y	1	0	0	1	0	0
Building 11	1	121	Y	2	0	0	2	0	0
Building 11	1	122	Y	56	1	11	44	0	0
Building 11	1	123	Y	0	0	0	0	0	0
Building 11	1	124	Y	0	0	0	0	0	0
Building 11	1	125	Y	0	0	0	0	0	0
Building 11	1	126	Y	0	0	0	0	0	0
Building 11	1	127	Y	4	0	0	4	0	0
Building 11	1	128	Y	34	2	24	8	0	0
Building 14	1	101	Y	11	0	5	6	0	0
Building 14	1	102	Y	1	0	1	0	0	0
Building 14	1	103	Y	4	1	3	0	0	0
Building 14	1	104	Y	4	0	2	2	0	0
Building 14	1	105	Y	2	0	0	2	0	0
Building 14	1	106	Y	6	0	4	2	0	0
Building 14	1	107	Y	3	0	1	2	0	0
Building 14	1	108	Y	3	0	1	2	0	0
Building 14	1	109	Y	4	0	2	2	0	0
Building 14	1	110	Y	2	1	1	1	0	0
Building 14	1	111	Y	1	0	1	0	0	0
Building 14	1	112	Y	2	0	2	0	0	0
Building 14	1	113	Y	8	0	1	7	0	0
Building 14	1	114	Y	7	0	2	5	0	0
Building 14	1	115	Y	2	1	0	1	0	0
Building 14	1	116	Y	6	1	0	5	0	0
Building 14	1	117	Y	6	1	0	5	0	0
Building 15	1	101	Y	16		0	16	0	0
Building 15	1	102	Y	6	1	0	5	0	0
Building 15	1	103	Y	0	0	0	0	0	0
Building 15	1	104	Y	0	0	0	0	0	0
Building 15	1	105	Y	1	0	1	0	0	0
Building 15	1	106	Y	16	0	0	16	0	0
Building 15	1	107	Y	6	0	0	6	0	0
Building 16	1	108	Y	0	0	0	0	0	0
Building 17	1	101	Y	14	0	0	14	0	0
Building 17	1	102	Y	5	0	0	5	0	0
Building 17	1	103	Y	9	0	0	9	0	0
Building 17	1	104	Y	1	0	0	1	0	0
Building 17	1	105	Y	2	1	0	1	0	0

Building 17	1	106	Y	14	0	0	14	0	0
Building 18	1	101	Y	14	0	0	14	0	0
Building 18	1	102	Y	3	1	0	2	0	0
Building 18	1	103	Y	0	0	0	0	0	0
Building 18	1	104	Y	0	0	0	0	0	0
Building 18	1	105	Y	0	0	0	0	0	0
Building 18	1	106	Y	14	0	0	14	0	0
Building 20	1	101	Y	18	3	4	11	0	0
Building 20	1	102	Y	4	0	0	4	0	0
Building 20	1	103	Y	3	0	1	2	0	0
Building 20	1	104	Y	3	0	1	2	0	0
Building 20	1	105	Y	4	0	0	4	0	0
Building 20	1	106	Y	19	0	7	11	0	0
Building 21	1	101	Y	17	1	0	16	0	0
Building 21	1	102	N	N/A	N/A	N/A	N/A	N/A	N/A
Building 21	1	103	Y	3	0	1	2	0	0
Building 21	1	104	Y	4	0	0	4	0	0
Building 21	1	105	Y	3	0	0	3	0	0
Building 21	1	106	Y	4	0	0	4	0	0
Building 21	1	107	Y	24	0	2	22	0	0
Building 21	1	108	Y	2	0	0	2	0	0
Building 21	1	109	Y	2	0	0	2	0	0
Building 21	1	110	Y	17	0	0	17	0	0
Building 21	1	111	Y	0	0	0	0	0	0
Building 22	1	101	Y	17	1	1	15	0	0
Building 22	1	102	Y	5	0	2	3	0	0
Building 22	1	103	Y	3	0	1	2	0	0
Building 22	1	104	Y	3	0	1	2	0	0
Building 22	1	105	Y	6	0	0	6	0	0
Building 22	1	106	Y	25	0	1	24	0	0
Building 22	1	107	Y	2	0	0	2	0	0
Building 22	1	108	Y	2	0	0	2	0	0
Building 22	1	109	Y	17	0	2	15	0	0
Building 22	1	110	Y	0	0	0	0	0	0
Building 22	1	111	Y	0	0	0	0	0	0
Building 22	1	112	Y	0	0	0	0	0	0
Building 23	1	101	Y	17	0	0	17	0	0
Building 23	1	102	Y	0	0	0	0	0	0
Building 23	1	103	Y	4	1	2	1	0	0
Building 23	1	104	Y	5	1	0	4	0	0
Building 23	1	105	Y	24	3	2	19	0	0
Building 23	1	106	Y	2	0	1	1	0	0
Building 23	1	107	N	N/A	N/A	N/A	N/A	N/A	N/A
Building 23	1	108	Y	3	0	0	3	0	0
Building 23	1	109	Y	5	0	1	4	0	0
Building 23	1	110	Y	17	0	0	17	0	0
Building 23	1	111	Y	0	0	0	0	0	0
Building 23	1	112	Y	0	0	0	0	0	0
Building 24	1	101	Y	1	0	0	1	0	0
Building 24	1	102	Y	16	1	6	9	0	0
Building 24	1	103	Y	1	0	1	0	0	0
Building 24	1	104	Y	1	0	1	0	0	0
Building 24	1	105	Y	5	0	3	2	0	0
Building 24	1	106	Y	7	0	0	7	0	0
Building 24	1	107	Y	10	0	4	6	0	0
Building 24	1	108	Y	6	0	0	6	0	0
Building 24	1	109	Y	1	0	1	0	0	0
Building 24	1	110	Y	1	0	1	0	0	0
Building 24	1	111	Y	1	0	0	1	0	0
Building 26	1	101	Y	8	0	0	0	0	8
Building 26	1	102	Y	52	52	0	0	0	0
Building 26	1	103	Y	1	0	1	0	0	0
Building 26	1	104	Y	2	0	0	2	0	0
Building 26	1	105	Y	2	0	2	0	0	0
Building 35	1	101	N	N/A	N/A	N/A	N/A	N/A	N/A
Building 35	1	102	Y	2	0	2	0	0	0
Building 35	1	103	1	11	1	0	10	0	0
Building 35	1	104	1	0	0	0	0	0	0
Building 35	1	105	1	0	0	0	0	0	0
Building 35	1	106	1	2	0	1	1	0	0
Building 35	1	107	1	5	0	0	5	0	0
Building 35	1	108	1	0	0	0	0	0	0

Building 35	1	109	N	N/A	N/A	N/A	N/A	N/A	N/A
Building 35	1	110	Y	13	0	0	13	0	0
Building 35	1	111	N	N/A	N/A	N/A	N/A	N/A	N/A
Building 35	1	112	N	N/A	N/A	N/A	N/A	N/A	N/A
Building 35	1	113	Y	6	0	0	6	0	0
Building 35	1	114	Y	8	0	0	8	0	0
Building 35	1	115	Y	17	3	12	0	0	2
Building 35	1	116	Y	6	1	0	5	0	0
Building 35	1	117	Y	2	0	1	1	0	0
Building 35	1	118	Y	2	0	0	2	0	0
Building 35	1	119	Y	8	0	0	8	0	0
Building 35	1	120	Y	2	0	0	2	0	0
Building 35	1	121	Y	2	0	0	2	0	0
Building 35	1	122	Y	2	0	0	2	0	0
Building 35	1	123	Y	10	0	0	10	0	0
Building 35	1	124	Y	2	0	0	2	0	0
Building 35	1	125	Y	2	0	1	1	0	0
Building 35	1	126	Y	2	0	2	0	0	0
Building 35	1	127	Y	9	1	0	8	0	0
Building 35	1	128	Y	6	1	0	5	0	0
Building 35	1	129	Y	3	0	0	1	0	3
Building 35	1	130	Y	1	0	0	1	0	0
Building 35	1	131	Y	1	1	0	0	0	0
Building 35	1	132	Y	2	0	1	1	0	0
Building 35	1	133	N	N/A	N/A	N/A	N/A	N/A	N/A
Building 35	1	134	Y	2	0	2	0	0	0
Building 35	1	135	Y	6	0	1	5	0	0
Building 35	1	136	Y	2	0	2	0	0	0
Building 35	1	137	Y	2	0	2	0	0	0
Building 35	1	138	Y	2	0	2	0	0	0
Building 35	1	139	Y	3	0	0	3	0	0
Building 35	1	140	Y	2	0	2	0	0	0
Building 35	1	141	Y	2	0	2	0	0	0
Building 35	1	142	Y	0	0	0	0	0	0
Building 35	1	143	Y	18	0	0	18	0	0
Building 35	1	144	Y	2	0	2	0	0	0
Building 35	1	145	Y	4	0	4	0	0	0
Building 35	1	146	Y	0	0	0	0	0	0
Building 35	1	147	Y	4	0	0	4	0	0
Building 35	1	148	Y	10	0	0	10	0	0
Building 35	1	149	Y	7	0	0	7	0	0
Building 35	1	150	Y	12	2	0	10	0	0
Building 35	1	151	Y	9	0	0	9	0	0
Building 35	1	152	Y	12	0	0	12	0	0
Building 35	1	153	Y	4	1	1	2	0	0
Building 36	1	101	Y	14	1	0	13	0	0
Building 36	1	102	Y	4	0	0	4	0	0
Building 36	1	103	Y	1	0	0	1	0	0
Building 36	1	104	Y	0	0	0	0	0	0
Building 36	1	105	N	N/A	N/A	N/A	N/A	N/A	N/A
Building 36	1	106	N	N/A	N/A	N/A	N/A	N/A	N/A
Building 36	1	107	Y	3	0	0	3	0	0
Building 36	1	108	Y	2	0	0	2	0	0
Building 36	1	109	Y	0	0	0	0	0	0
Building 36	1	100	Y	10	0	0	10	0	0
Building 37	1	101	Y	6	1	0	5	0	0
Building 37	1	102	Y	4	0	0	4	0	0
Building 37	1	103	Y	20	0	0	20	0	0
Building 37	1	104	Y	2	0	0	2	0	0
Building 37	1	105	Y	2	0	0	2	0	0
Building 37	1	106	Y	4	0	0	4	0	0
Building 37	1	107	Y	5	0	0	5	0	0
Building 37	1	108	Y	0	0	0	0	0	0
Building 37	1	109	Y	5	0	0	5	0	0
Building 37	1	110	Y	2	0	0	2	0	0
Building 37	1	111	Y	6	1	0	5	0	0
Building 37	1	112	Y	8	0	0	8	0	0
Building 37	1	113	Y	6	0	0	6	0	0
Building 37	1	114	Y	2	0	0	2	0	0
Building 37	1	115	Y	21	1	0	20	0	0
Building 37	1	116	Y	5	0	0	5	0	0
Building 37	1	117	Y	5	0	0	5	0	0

Building 37	1	118	Y	6	0	0	6	0	0
Building 37	1	122	Y	6	0	0	6	0	0
Building 37	1	123	Y	8	0	0	8	0	0
Building 37	1	124	Y	6	0	0	6	0	0
Building 37	1	125	Y	6	0	0	6	0	0
Building 37	1	126	Y	6	0	0	6	0	0
Building 37	1	127	Y	6	1	0	5	0	0
Building 54	1	101	Y	5	0	0	5	0	0
Building 54	1	102	Y	2	0	0	2	0	0
Building 54	1	103	Y	1	0	0	1	0	0
Building 54	1	104	Y	1	0	0	1	0	0
Building 54	1	105	Y	16	2	0	14	0	0
Building 54	1	106	Y	5	0	0	5	0	0
Building 54	1	107	Y	2	0	0	2	0	0
Building 54	1	108	Y	2	0	0	2	0	0
Building 54	1	109	Y	1	0	0	1	0	0
Building 56	1	101	Y	3	0	0	3	0	0
Building 56	1	102	Y	2	1	0	1	0	0
Building 56	1	103	Y	2	0	0	2	0	0
Building 56	1	104	Y	1	0	0	1	0	0
Building 56	1	105	Y	1	0	0	1	0	0
Building 56	1	106	Y	18	0	0	18	0	0
Building 56	1	107	Y	4	0	0	4	0	0
Building 56	1	108	N	N/A	N/A	N/A	N/A	N/A	N/A
Building 56	1	109	N	N/A	N/A	N/A	N/A	N/A	N/A
Building 58	1	101	Y	10	0	0	10	0	0
Building 58	1	102	Y	10	1	0	9	0	0
Building 58	1	103	Y	4	0	0	4	0	0
Building 58	1	104	Y	11	0	0	11	0	0
Building 59	1	101	Y	5	0	0	5	0	0
Building 59	1	102	Y	1	0	0	1	0	0
Building 59	1	103	Y	13	0	0	13	0	0
Building 59	1	104	Y	5	0	0	5	0	0
Building 59	1	105	Y	7	0	0	7	0	0
Building 59	1	106	Y	0	0	0	0	0	0
Building 59	1	107	Y	7	0	0	7	0	0
Building 60 Door 1	1	outside	Y	1	1	0	0	0	0
Building 60 Door 2	1	101	Y	1	0	0	1	0	0
Building 60 Door 2	1	102	Y	1	1	0	0	0	0
Building 60 Door 2	1	103	Y	2	2	0	0	0	0
Building 60 Door 2	1	104	Y	20	0	0	20	0	0
Building 60 Door 3	1	101	Y	14	0	0	14	0	0
Building 60 Door 3	1	102	Y	2	0	0	2	0	0
Building 60 Door 4 & 5	1	101	Y	9	0	0	0	0	9
Building 60 Door 4 & 5	1	102	Y	3	0	0	0	0	3
Building 60 Door 4 & 5	1	103	Y	4	0	0	0	0	4
Building 60 Door 4 & 5	1	104	Y	6	0	0	6	0	0
Building 60 Door 7	1	101	Y	16	4	12	0	0	0
Building 60 Door 7	1	102	Y	1	0	0	1	0	0
Building 60 Door 7	1	103	Y	2	0	0	2	0	0
Building 60 Door 7	1	104	Y	1	0	1	0	0	0
Building 60 Door 7	1	105	Y	1	0	1	0	0	0
Building 60 Door 7	1	106	Y	3	0	3	0	0	0
Building 60 Door 7	1	107	Y	1	0	1	0	0	0
Building 60 Door 7	1	108	Y	1	0	0	1	0	0
Building 60 Door 7	1	109	Y	3	0	3	0	0	0
Building 60 Door 7	1	110	Y	9	0	3	6	0	0
Building 60 Door 8	1	101	Y	2	2	0	0	0	0
Building 60 Door 8	1	102	Y	1	0	1	0	0	0
Building 60 Door 8	1	103	Y	3	1	2	0	0	0
Building 60 Door 11	1	101	Y	3	0	0	0	0	3
Building 60 Door 11	1	102	Y	2	1	1	0	0	0
Building 60 Door 11	1	103	Y	4	0	0	4	0	0
Building 60 Door 11	1	104	Y	2	0	2		0	0
Building 65	1	101	Y	26	0	0	26	0	0
Building 65	1	102	Y	1	0	0	1	0	0
Building 65	1	103	Y	2	0	0	2	0	0
Building 65	1	104	Y	1	0	0	1	0	0
Building 65	1	105	Y	1	1	0	0	0	0
Building 65	1	106	Y	2	0	0	2	0	0
Building 65	1	107	Y	13	1	10	2	0	0
Building 66	1	101	Y	0	0	0	0	0	0

Building 66	1	102	Y	1	0	0	1	0	0
Building 66	1	103	Y	15	0	0	15	0	0
Building 66	1	104	Y	1	0	0	1	0	0
Building 66	1	105	Y	10	0	0	10	0	0
Building 66	1	106	Y	4	0	0	4	0	0
Building 66	1	107	N	N/A	N/A	N/A	N/A	N/A	N/A
Building 66	1	108	Y	1	0	0	1	0	0
Building 66	1	109	Y	4	0	0	4	0	0
Building 66	1	110	Y	9	0	1	2	0	6
Building 66	1	111	Y	4	0	0	4	0	0
Building 66	1	112	Y	3	0	0	3	0	0
Building 66	1	113	Y	4	1	3	0	0	0
Building 66	1	114	Y	20	0	0	20	0	0
Building 66	1	115	N	N/A	N/A	N/A	N/A	N/A	N/A
Building 66	1	116	N	N/A	N/A	N/A	N/A	N/A	N/A
Building 68	1	101	Y	8	0	0	8	0	0
Building 68	1	102	Y	1	0	0	1	0	0
Building 68	1	103	Y	1	0	0	1	0	0
Building 68	1	104	N	N/A	N/A	N/A	N/A	N/A	N/A
Building 68	1	105	N	N/A	N/A	N/A	N/A	N/A	N/A
Range Building 1	1	101	Y	18	0	0	18	0	0
Range Building 1	1	102	N	N/A	N/A	N/A	N/A	N/A	N/A
Range Building 2	1	101	Y	2	0	0	2	0	0
Range Building 3	1	101	Y	1	1	0	0	0	0
Building 73	1	101	Y	45	0	0	45	0	0
Building 73	1	102	Y	1	0	0	1	0	0
Building 73	1	103	Y	1	0	0	1	0	0
Building 73	1	104	Y	1	0	0	1	0	0
Building 73	1	105	Y	9	0	0	9	0	0

	Number of Fluorescent Light Fixtures	Number of Inoperable Fluorescent Light Ballasts	Number of Magnetic Ballast	Number of Electronic Ballast	Number of Leaking Ballast	Number of LED
Building 1	10	1	9	0	0	0
Building 2	107	4	46	57	0	0
Building 5	4	0	2	2	0	0
Building 6	2	0	2	0	0	0
Building 7	296	9	25	262	0	0
Building 8	307	3	6	298	0	0
Building 11	34	2	24	8	0	0
Building 14	72	5	26	42	0	0
Building 15	45	1	1	43	0	0
Building 16	0	0	0	0	0	0
Building 17	45	1	0	44	0	0
Building 18	31	1	0	30	0	0
Building 20	51	3	13	34	0	0
Building 21	76	1	3	72	0	0
Building 22	80	1	8	71	0	0
Building 23	77	5	6	66	0	0
Building 24	50	1	17	32	0	0
Building 26	65	52	3	2	0	8
Building 35	229	11	40	174	0	5
Building 36	34	1	0	33	0	0
Building 37	147	4	0	143	0	0
Building 54	35	2	0	33	0	0
Building 56	31	1	0	30	0	0
Building 58	35	1	0	34	0	0
Building 59	38	0	0	38	0	0
Building 60	118	12	30	57	0	19
Building 65	46	2	10	34	0	0
Building 66	76	1	4	65	0	6
Building 68	10	0	0	10	0	0
Range Building 1	18	0	0	18	0	0
Range Building 2	2	0	0	2	0	0
Range Building 3	1	1	0	0	0	0
Building 73	57	0	0	57	0	0
Facility Total	2229	126	275	1791	0	38

Light Ballast Survey
Table SS1

Date: 7/12/2017
Surveyors: Bill McBride, Anjelica McMahon, Devin Walker, Hannah Buckley, Rosalie Hood, Jon Mckinnon and Hunter Da
Facility Name: Somerset Armory
Armorer: Llewelyn Charles

Building (Armory, FMS, Warehouse, MVSB,CSMS)	Floor	Room	Room Accessible (Y/N)	Number of Fluorescent Light Fixtures	Number of Inoperable Fluorescent Light Fixtures	Number of Magnetic Ballast	Number of Electronic Ballast	Number of Leaking Ballast
ARMORY	1	100	Y	3	1	2	0	0
ARMORY	1	101	Y	9	4	4	1	0
ARMORY	1	102	Y	2	0	2	0	0
ARMORY	1	103	N	N/A	N/A	N/A	N/A	N/A
ARMORY	1	104	Y	24	9	0	15	0
ARMORY	1	105	N	N/A	N/A	N/A	N/A	N/A
ARMORY	1	106	Y	6	1	5	0	
ARMORY	1	107	Y	18	3	0	15	0
ARMORY	1	108	Y	5	1	0	4	0
ARMORY	1	109	Y	2	0	0	2	0
ARMORY	1	110	Y	2	0	0	2	0
ARMORY	1	111	Y	2	0	0	2	0
ARMORY	1	112	N	N/A	N/A	N/A	N/A	N/A
ARMORY	1	113	N	N/A	N/A	N/A	N/A	N/A
ARMORY	1	114	Y	8	0	0	8	0
ARMORY	1	115	Y	8	3	0	5	0
ARMORY	1	116	Y	3	1	2	0	0
ARMORY	1	117	Y	6	0	0	6	0
ARMORY	1	118	Y	1	1	0	0	0
ARMORY	1	119	Y	16	0	0	16	0
ARMORY	1	120	N	N/A	N/A	N/A	N/A	N/A
ARMORY	1	121	Y	4	0	0	4	0
ARMORY	1	122	Y	1	0	0	1	0
ARMORY	1	123	Y	2	0	0	2	0
ARMORY	1	124	Y	3	1	0	2	0
ARMORY	1	125	Y	3	0	0	3	0
ARMORY	1	126	Y	2	0	0	2	0
ARMORY	1	127	Y	2	0	0	2	0
ARMORY	1	128	Y	2	0	0	2	0
ARMORY	1	129	Y	4	0	0	4	0
ARMORY	1	130	Y	2	0	0	2	0
ARMORY	1	131	Y	2	0	0	2	0
ARMORY	1	132	Y	2	1	0	1	0
ARMORY	1	133	Y	2	0	0	2	0
ARMORY	1	134	Y	9	0	0	9	0
ARMORY	1	135	Y	2	0	0	2	0
ARMORY	1	136	Y	16	0	0	16	0
ARMORY	1	137	Y	6	0	0	6	0
ARMORY	1	138	Y	1	0	0	1	0
ARMORY	1	139	Y	2	1	1	0	0
ARMORY	1	138	N	N/A	N/A	N/A	N/A	N/A
ARMORY	1	139	N	N/A	N/A	N/A	N/A	N/A
ARMORY	1	140	N	N/A	N/A	N/A	N/A	N/A
ARMORY	1	141	N	N/A	N/A	N/A	N/A	N/A
ARMORY	1	142	N	N/A	N/A	N/A	N/A	N/A
ARMORY	1	143	N	N/A	N/A	N/A	N/A	N/A
ARMORY	1	145	N	N/A	N/A	N/A	N/A	N/A
ARMORY	2	200	N	N/A	N/A	N/A	N/A	N/A
ARMORY	2	200S	Y	N/A	N/A	N/A	N/A	N/A
ARMORY	2	201	Y	14	1	12	1	0
ARMORY	2	202	Y	13	0	11	2	0
ARMORY	2	203	Y	3	0	0	3	0
ARMORY	2	204	Y	2	0	0	2	0
ARMORY	2	205	Y	14	0	14	0	0
ARMORY	2	206	Y	14	2	11	1	0
ARMORY	2	207	Y	12	2	7	3	0
ARMORY	2	208	N	3	0	3	0	0
ARMORY	2	209	N	N/A	N/A	N/A	N/A	N/A
ARMORY	2	210	N	N/A	N/A	N/A	N/A	N/A
ARMORY	2	211	N	N/A	N/A	N/A	N/A	N/A
ARMORY	2	212	N	N/A	N/A	N/A	N/A	N/A

ARMORY	2	213	N	N/A	N/A	N/A	N/A	N/A
ARMORY	2	214	Y	3	0	3	0	0
ARMORY	2	215	N	N/A	N/A	N/A	N/A	N/A
ARMORY	2	216	Y	8	0	6	2	0
ARMORY	2	217	Y	1	0	1	0	0
ARMORY	2	218	Y	2	0	0	2	0
ARMORY	2	219	Y	2	0	0	2	0
ARMORY	2	220	N	N/A	N/A	N/A	N/A	N/A
ARMORY	2	221	Y	2	1	1	0	0
ARMORY	2	222	Y	8	1	4	3	0
ARMORY	2	223	Y	2	1	1	0	0
ARMORY	2	224	Y	1	1	0	0	0
ARMORY	2	225	Y	4	0	0	4	0
ARMORY	2	226	Y	4	0	0	4	0
ARMORY	2	227	Y	3	0	3	1	0
ARMORY	2	228	N	N/A	N/A	N/A	N/A	N/A
ARMORY	2	229	N	N/A	N/A	N/A	N/A	N/A
ARMORY	2	229S	Y	2	1	0	1	0
ARMORY	2	230	Y	2	1	0	1	0
ARMORY	2	231	Y	2	0	0	2	0
ARMORY	2	232	Y	6	1	0	5	0
ARMORY	2	233	Y	3	0	0	3	0
ARMORY	2	233H	Y	1	0	0	1	0
ARMORY	2	234	Y	3	0	0	3	0
ARMORY	2	235	Y	2	1	0	1	0
ARMORY	2	235A	Y	2	1	1	0	0
ARMORY	2	236	Y	4	2	2	0	0
ARMORY	2	237	Y	4	0	0	4	0
ARMORY	2	237A	Y	7	1	5	1	0
ARMORY	2	238	Y	2	0	2	0	0
ARMORY	2	239	Y	2	0	2	0	0
ARMORY	2	240	Y	2	1	1	0	0
ARMORY	2	241	Y	8	1	7	0	0
ARMORY	2	242	Y	11	2	5	4	0
ARMORY	2	243	Y	3	0	0	3	0
ARMORY	2	244	Y	1	0	0	1	0
ARMORY	2	245	Y	2	0	2	0	0
ARMORY	2	246	Y	5	0	0	5	0
ARMORY	2	247	Y	3	0	0	3	0
ARMORY	2	248	Y	5	0	0	5	0
DTMB	1	DTMB-1	Y	11	0	0	11	0
DTMB	1	DTMB-2	Y	2	0	0	2	0
FMS	1	FMS-1	Y	18	0	0	18	0
FMS	1	FMS-2	Y	8	0	0	8	0
FMS	1	FMS-3	Y	4	0	0	4	0
FMS	1	FMS-4	Y	4	0	0	4	0
FMS	1	FMS-5	Y	1	0	0	1	0
FMS	1	FMS-6	Y	5	0	0	5	0
FMS	1	FMS-7	Y	3	0	0	3	0
FMS	1	FMS-8	Y	2	0	0	2	0
FMS	1	FMS-9	Y	0	0	0	0	0
FMS	1	FMS-10	Y	1	0	0	1	0

	Number of Fluorescent Light Fixtures	Number of Inoperable Fluorescent Light Ballasts	Number of Magnetic Ballast	Number of Electronic Ballast	Number of Leaking Ballast
Armory Total:	379	48	120	212	0
DTMB Total:	13	0	0	13	0
FMS Total:	46	0	0	46	0
Facility Total:	438	48	120	271	0

Light Ballast Survey
Table TK1

Date: 8/8/2018
Surveyors: Devin Walker, Rosalie Hood, and Jon Mckinnon
Facility Name: Teaneck
Armorer: Wendell Laws

Building (Armory, FMS, Warehouse, MVSB,CSMS)	Floor	Room	Room Accessible (Y/N)	Number of Fluorescent Light Fixtures	Number of Inoperable Fluorescent Light Fixtures	Number of Magnetic Ballast	Number of Electronic Ballast	Number of Leaking Ballast	Number of Unreachable Ballast
ARMORY	BASEMENT	B02	N	N/A	N/A	N/A	N/A	N/A	N/A
ARMORY	BASEMENT	B03	N	N/A	N/A	N/A	N/A	N/A	N/A
ARMORY	BASEMENT	B04	N	N/A	N/A	N/A	N/A	N/A	N/A
ARMORY	BASEMENT	B05	Y	12	1	0	11	0	0
ARMORY	BASEMENT	B06	Y	12	1	0	11	0	0
ARMORY	BASEMENT	B07	Y	13	1	0	12	0	0
ARMORY	BASEMENT	B08	N	N/A	N/A	N/A	N/A	N/A	N/A
ARMORY	BASEMENT	B09	N	N/A	N/A	N/A	N/A	N/A	N/A
ARMORY	BASEMENT	B10	N	N/A	N/A	N/A	N/A	N/A	N/A
ARMORY	BASEMENT	B11	N	N/A	N/A	N/A	N/A	N/A	N/A
ARMORY	BASEMENT	B12	Y	2	0	0	2	0	0
ARMORY	BASEMENT	B13	Y	8	0	8	0	0	0
ARMORY	BASEMENT	B14	Y	10	8	0	2	0	0
ARMORY	BASEMENT	B15	N	N/A	N/A	N/A	N/A	N/A	N/A
ARMORY	BASEMENT	B16	N	N/A	N/A	N/A	N/A	N/A	N/A
ARMORY	BASEMENT	B17	Y	17	15	2	0	0	0
ARMORY	BASEMENT	B1A	Y	8	0	8	0	0	0
ARMORY	BASEMENT	B1B	Y	13	0	0	13	0	0
ARMORY	BASEMENT	B1C	Y	8	0	8	0	0	0
ARMORY	BASEMENT	B20	N	N/A	N/A	N/A	N/A	N/A	N/A
ARMORY	BASEMENT	B21H	Y	14	0	0	14	0	0
ARMORY	BASEMENT	B22	Y	0	0	0	0	0	0
ARMORY	BASEMENT	B23	N	N/A	N/A	N/A	N/A	N/A	N/A
ARMORY	BASEMENT	B24	N	N/A	N/A	N/A	N/A	N/A	N/A
ARMORY	BASEMENT	B25	N	N/A	N/A	N/A	N/A	N/A	N/A
ARMORY	BASEMENT	B26	N	N/A	N/A	N/A	N/A	N/A	N/A
ARMORY	BASEMENT	B27	N	N/A	N/A	N/A	N/A	N/A	N/A
ARMORY	BASEMENT	B28	N	N/A	N/A	N/A	N/A	N/A	N/A
ARMORY	BASEMENT	B29	N	N/A	N/A	N/A	N/A	N/A	N/A
ARMORY	BASEMENT	B30	Y	3	0	3	0	0	0
ARMORY	BASEMENT	B31	Y	30	16	14	0	0	0
ARMORY	BASEMENT	B32	N	N/A	N/A	N/A	N/A	N/A	N/A
ARMORY	BASEMENT	B33	Y	0	0	0	0	0	0
ARMORY	BASEMENT	B34	Y	1	0	1	0	0	0
ARMORY	BASEMENT	B36	Y	12	0	0	0	0	12
ARMORY	BASEMENT	B37	N	N/A	N/A	N/A	N/A	N/A	N/A
ARMORY	BASEMENT	B38	N	N/A	N/A	N/A	N/A	N/A	N/A
ARMORY	BASEMENT	B39	N	N/A	N/A	N/A	N/A	N/A	N/A
ARMORY	BASEMENT	B40	Y		112	31	3	0	50
ARMORY	BASEMENT	B05	Y	5	3	2	0	0	0
ARMORY	1	100	Y	0	0	0	0	0	0
ARMORY	1	100A	Y	0	0	0	0	0	0
ARMORY	1	101	N	N/A	N/A	N/A	N/A	N/A	N/A
ARMORY	1	102	N	N/A	N/A	N/A	N/A	N/A	N/A
ARMORY	1	103	N	N/A	N/A	N/A	N/A	N/A	N/A
ARMORY	1	104	Y	4	0	0	4	0	0
ARMORY	1	105	N	N/A	N/A	N/A	N/A	N/A	N/A
ARMORY	1	106	N	N/A	N/A	N/A	N/A	N/A	N/A
ARMORY	1	107	Y	12	0	0	12	0	0
ARMORY	1	108	N	N/A	N/A	N/A	N/A	N/A	N/A
ARMORY	1	109	N	N/A	N/A	N/A	N/A	N/A	N/A
ARMORY	1	110	N	N/A	N/A	N/A	N/A	N/A	N/A
ARMORY	1	111	Y	16	0	0	16	0	0

ARMORY	1	112	Y	4	0	0	4	0	0
ARMORY	1	113	Y	4	0	0	4	0	0
ARMORY	1	114	Y	12	0	0	12	0	0
ARMORY	1	115	N	N/A	N/A	N/A	N/A	N/A	N/A
ARMORY	1	116	Y	3	0	0	3	0	0
ARMORY	1	116A	Y	0	0	0	0	0	0
ARMORY	1	117	Y	7	1	0	6	0	0
ARMORY	1	117A	Y	1	0	0	1	0	0
ARMORY	1	118	Y	5	3	0	2	0	0
ARMORY	1	119	Y	12	0	0	12	0	0
ARMORY	1	121	Y	4	0	0	4	0	0
ARMORY	1	122	Y	4	0	0	4	0	0
ARMORY	1	123	Y	4	2	2	0	0	0
ARMORY	1	124	N	N/A	N/A	N/A	N/A	N/A	N/A
ARMORY	1	125	N	N/A	N/A	N/A	N/A	N/A	N/A
ARMORY	1	126	Y	4	0	0	4	0	0
ARMORY	1	127	Y	4	0	0	4	0	0
ARMORY	1	128	Y	12	0	0	12	0	0
ARMORY	1	129	Y	12	1	0	11	0	0
ARMORY	1	130	N	N/A	N/A	N/A	N/A	N/A	N/A
ARMORY	1	131	Y	4	0	0	4	0	0
ARMORY	1	132	N	N/A	N/A	N/A	N/A	N/A	N/A
ARMORY	1	133	Y	16	0	0	16	0	0
ARMORY	1	134	Y	4	0	0	4	0	0
ARMORY	1	135	Y	4	0	0	4	0	0
ARMORY	1	136	Y	12	2	0	10	0	0
ARMORY	1	137	Y	12	2	0	10	0	0
ARMORY	1	138	Y	4	0	0	4	0	0
ARMORY	1	139	Y	4	0	0	4	0	0
ARMORY	1	140	Y	12	0	0	12	0	0
ARMORY	1	141	Y	4	0	0	4	0	0
ARMORY	1	142	Y	4	0	0	4	0	0
ARMORY	1	144	N	N/A	N/A	N/A	N/A	N/A	N/A
ARMORY	1	145	Y	12	0	0	12	0	0
ARMORY	1	149	Y	0	0	0	0	0	0
ARMORY	1	149A	Y	0	0	0	0	0	0
ARMORY	1	150	Y	0	0	0	0	0	0
OMS	1	150A	Y	0	0	0	0	0	0
OMS	1	OMS-1	Y	8	0	0	8	0	0
OMS	1	OMS-2	Y	6	0	0	6	0	0
OMS	1	OMS-4	Y	42	0	0	42	0	0
OMS	1	OMS-5	Y	3	0	0	3	0	0
OMS	1	OMS-6	Y	0	0	0	0	0	0
OMS	1	OMS-7	Y	0	0	0	0	0	0
OMS	1	OMS-8	Y	4	0	0	4	0	0
OMS	1	OMS-9	Y	1	0	0	1	0	0
OMS	1	OMS-10	Y	8	0	0	8	0	0
OMS	1	OMS-11	Y	2	0	0	2	0	0
OMS	1	OMS-12	Y	0	0	0	0	0	0
OMS	1	OMS-14	Y	58	0	0	58	0	0
OMS	1	OMS-14H	Y	1	0	0	1	0	0
DTMB	1	DTMB-1	Y	11	0	0	0	0	11
DTMB	1	DTMB-2	Y	2	0	0	2	0	0

	Number of Fluorescent Light Fixtures	Number of Inoperable Fluorescent Light Ballasts	Number of Magnetic Ballast	Number of Electronic Ballast	Number of Leaking Ballast	Number of Unreachable Ballast
Armory Total:	384	168	79	271	0	62
OMS Total:	133	0	0	132	0	0
DTMB Total:	13	0	0	2	0	11
Facility Total:	530	168	79	405	0	73

Light Ballast Survey
Table TR1

Date: 7/11/2017
Surveyors: Devin Walker, Rosalie Hood, Jonathan McKinnon
Facility Name: Toms River
Armorer: Mike Reeves

Building (Armory, FMS, Warehouse, MVSB,CSMS)	Floor	Room	Room Accessible (Y/N)	Number of Fluorescent Light Fixtures	Number of Inoperable Fluorescent Light Fixtures	Number of Magnetic Ballast	Number of Electronic Ballast	Number of Leaking Ballast	Notes
Armory	1	IFR-100	Y	6	0	6	0	0	Indoor Firing Range
Armory	1	100H	Y	5	1	4	0	0	Hallway
Armory	1	102	Y	3	0	3	0	0	
Armory	1	104	N	N/A	N/A	N/A	N/A	N/A	No Access
Armory	1	103	Y	3	0	0	3	0	
Armory	1	103A	Y	3	0	0	3	0	
Armory	1	103B	Y	1	0	0	1	0	
Armory	1	103C	Y	1	1	0	0	0	
Armory	1	103D	Y	1	0	0	1	0	
Armory	1	103E	Y	2	2	0	0	0	
Armory	1	103F	Y	1	0	0	1	0	
Armory	1	105	Y	3	0	0	3	0	
Armory	1	105A	Y	2	0	0	2	0	
Armory	1	105B	Y	2	0	0	2	0	
Armory	1	106	Y	3	0	0	3	0	
Armory	1	107	Y	4	0	0	4	0	
Armory	1	102H	Y	2	0	2	0	0	
Armory	1	110	Y	4	0	4	0	0	
Armory	1	110A	Y	3	0	3	0	0	
Armory	1	111	Y	3	0	3	0	0	
Armory	1	112	Y	21	2	18	1	0	
Armory	1	101A	Y	6	0	6	0	0	
Armory	1	101B	Y	6	0	5	1	0	
Armory- Drill Hall	1	101	Y	0	0	0	0	0	No FLBs
Armory	1	127	Y	2	0	2	0	0	
Armory	1	128	Y	2	0	0	2	0	
Armory	1	129	Y	2	0	0	2	0	
Armory	1	130	Y	4	1	0	3	0	
Armory	1	131	Y	2	0	0	2	0	
Armory	1	125F	Y	4	0	3	1	0	Foyer
Armory	1	126V	Y	2	0	1	1	0	Vestibule
Armory	1	124	Y	5	0	0	5	0	
Armory	1	113	Y	2	1	1	0	0	
Armory	1	114	Y	1	0	0	1	0	
Armory	1	123	Y	6	0	0	6	0	
Armory	1	123A	Y	2	0	0	2	0	
Armory	1	123B	Y	2	0	0	2	0	
Armory	1	122	Y	10	0	0	10	0	
Armory	1	122A	Y	3	0	2	1	0	
Armory	1	122B	Y	2	0	0	2	0	
Armory	1	122C	Y	2	0	0	2	0	
Armory	1	122D	Y	1	0	0	1	0	
Armory	1	121	N	N/A	N/A	N/A	N/A	N/A	No Access
Armory	1	101H	Y	3	0	3	0	0	Hallway
Armory	1	120	Y	9	0	9	0	0	
Armory	1	119	Y	9	2	7	0	0	
OMS	1	100	Y	1	1	0	0	0	Entrance Hallway
OMS	1	101	Y	4	2	2	0	0	
OMS	1	102	Y	3	3	0	0	0	
OMS	1	103	Y	3	0	3	0	0	
OMS	1	104	Y	2	0	2	0	0	
OMS	1	105	Y	0	0	0	0	0	No FLBs
OMS	1	106	Y	3	0	3	0	0	
OMS	1	107	Y	3	3	0	0	0	
OMS	1	108	Y	0	0	0	0	0	No FLBs
OMS	1	109	Y	0	0	0	0	0	No FLBs
UTMB/Family Support	1	1	Y	0	0	0	0	0	No FLBs

	Number of Fluorescent Light Fixtures	Number of Inoperable Fluorescent Light Ballasts	Number of Magnetic Ballast	Number of Electronic Ballast	Number of Leaking Ballast
Armory Total:	160	10	82	68	0
OMS Total:	19	9	10	0	0
UTMB Total:	0	0	0	0	0
Facility Total:	179	19	92	68	0

Light Ballast Survey
Table TU1

Date: 6/26/2017
Surveyors: Chuck Appleby, Rosalie Hood, Jonathan McKinnon
Facility Name: Tuckerton
Armorer: Lynne Gutierrez

Building (Armory, FMS, Warehouse, MVSB,CSMS)	Floor	Room	Room Accessible (Y/N)	Number of Fluorescent Light Fixtures	Number of Inoperable Fluorescent Light Fixtures	Number of Magnetic Ballast	Number of Electronic Ballast	Number of Leaking Ballast	Notes
ARMORY	1	3H	Y	13	1	13	0	0	Hallway
ARMORY	1	1	Y	24	0	12	12	0	Chalboard FLBs
ARMORY	1	2	Y	8	1	7	0	0	
ARMORY	1	4	Y	3	0	0	3	0	
ARMORY	1	5	Y	0	0	0	0	0	No FLBs in Vault
ARMORY	1	6	Y	0	0	0	0	0	No FLBs
ARMORY	1	7	Y	3	0	0	3	0	
ARMORY	1	8	Y	3	0	0	3	0	
ARMORY	1	9	Y	2	0	0	2	0	
ARMORY	1	10-B	Y	0	0	0	0	0	No FLBs
ARMORY	1	11	Y	0	0	0	0	0	No FLBs
ARMORY	1	12	Y	5	0	0	5	0	
Storage	1	1	Y	0	0	0	0	0	No FLBs

	Number of Fluorescent Light Fixtures	Number of Inoperable Fluorescent Light Ballasts	Number of Magnetic Ballast	Number of Electronic Ballast	Number of Leaking Ballast
Armory Total:	61	2	32	28	0
Storage Total:	0	0	0	0	0
Facility Total:	61	2	32	28	0

Table VD1
Light Ballast Survey

Date: 5/11/2017
Surveyors: Bill McBride, Anjelica McMahon, Devin Walker, Hannah Buckley, Rosalie Hood, Jon Mckinnon and Hunter Davis
Facility Name: Vineland
Armorer: Phillip Fiore

Building (Armory, FMS, Warehouse, MVSB,CSMS)	Floor	Room (Reference Floor Plan)	Room Accessible (Y/N)	Number of Fluorescent Light Fixtures	Number of Inoperable Fluorescent Light Fixtures	Number of Magnetic Ballast	Number of Electronic Ballast	Number of Leaking Ballast
ARMORY	B	101	Y	6	0	0	6	0
ARMORY	B	102	Y	37	0	19	18	0
ARMORY	B	B4	Y	1	0	1	0	0
ARMORY	B	103	Y	10	0	9	1	0
ARMORY	B	104	Y	3	0	1	2	0
ARMORY	1	201	Y	45	0	40	5	0
ARMORY	1	202	N	N/A	N/A	N/A	N/A	N/A
ARMORY	1	203	Y	95	5	64	26	0
ARMORY	1	204	N	N/A	N/A	N/A	N/A	N/A
ARMORY	1	205	Y	4	0	3	1	0
ARMORY	1	206	Y	3	0	3	0	0
ARMORY	1	207	N	N/A	N/A	N/A	N/A	N/A
ARMORY	1	208	Y	1	0	1	0	0
ARMORY	1	209	N	N/A	N/A	N/A	N/A	N/A
ARMORY	1	210	N	N/A	N/A	N/A	N/A	N/A
ARMORY	1	211	Y	8	1	0	7	0
ARMORY	1	212	Y	12	0	0	12	0
ARMORY	1	213	Y	19	0	8	11	0
ARMORY	1	214	Y	2	0	0	2	0
ARMORY	1	215	N	N/A	N/A	N/A	N/A	N/A
ARMORY	1	216	Y	0	0	0	0	0
ARMORY	2	301	Y	3	0	2	1	0
ARMORY	2	302	Y	3	0	2	1	0
ARMORY	2	303	Y	3	0	2	1	0
ARMORY	2	304	Y	0	0	0	0	0
ARMORY	2	305	Y	3	0	2	1	0
ARMORY	2	306	Y	3	0	2	1	0
ARMORY	2	307	Y	2	0	1	1	0
ARMORY	2	308	Y	12	0	0	12	0
ARMORY	2	317	Y	2	0	0		0
ARMORY	2	316	Y	3	0	1	2	0
ARMORY	2	309	Y	6	0	3	3	0
ARMORY	2	310	Y	3	1	1	1	0
ARMORY	2	311	Y	3	0	3	0	0
ARMORY	2	312	Y	3	0	2	1	0
ARMORY	2	313	Y	3	0	3	0	0
ARMORY	2	314	Y	3	2	0	1	0
ARMORY	2	315	Y	3	0	3	0	0
ARMORY	3	401	Y	10	0	2	8	0
ARMORY	3	402	Y	2	0	0	2	0
ARMORY	3	403	N	N/A	N/A	N/A	N/A	N/A
ARMORY	3	404	N	N/A	N/A	N/A	N/A	N/A
ARMORY	3	405	N	N/A	N/A	N/A	N/A	N/A
ARMORY	3	406	N	N/A	N/A	N/A	N/A	N/A
ARMORY	3	407	N	N/A	N/A	N/A	N/A	N/A
ARMORY	3	408	N	N/A	N/A	N/A	N/A	N/A
ARMORY	3	409	N	N/A	N/A	N/A	N/A	N/A
ARMORY	3	410	N	N/A	N/A	N/A	N/A	N/A
ARMORY	3	411	N	N/A	N/A	N/A	N/A	N/A
OMS	1	105	Y	6	0	0	6	0
OMS	1	110	Y	2	0	0	2	0
OMS	1	106	Y	1	0	0	1	0
OMS	1	107	Y	2	0	0	2	0
OMS	1	108	N	N/A	N/A	N/A	N/A	N/A
OMS	1	109	Y	9	0	0	9	0
OMS	1	101	Y	2	1	0	1	0
OMS	1	102	Y	6	0	0	6	0
OMS	1	103	Y	5	0	0	5	0

	Number of Fluorescent Light Fixtures	Number of Inoperable Fluorescent Light Ballasts	Number of Magnetic Ballast	Number of Electronic Ballast	Number of Leaking Ballast
Armory Total:	316	9	178	127	0
OMS Total:	33	1	0	32	0
Facility Total:	349	10	178	159	0

Light Ballast Survey
Table WT1

Date: 6/27/2017
Surveyors: Bill McBride, Hannah Buckley, Hunter Davis
Facility Name: Washington
Armorer: Charles Rissmiller

Building (Armory, FMS, Warehouse, MVSB, CSMS)	Floor	Room	Room Accessible (Y/N)	Number of Fluorescent Light Fixtures	Number of Inoperable Fluorescent Light Fixtures	Number of Magnetic Ballast	Number of Electronic Ballast	Number of LED Ballast	Number of Leaking Ballast	Number of Unreachable Ballast
ARMORY	1	170	Y	1	0	1	0	0	0	0
ARMORY	1	171	Y	1	0	1	0	0	0	0
ARMORY	1	172	Y	1	0	0	1	0	0	0
ARMORY	1	145	Y	6	1	5	0	0	0	0
ARMORY	1	146	Y	4	0	4	0	0	0	0
ARMORY	1	198	Y	3	0	3	0	0	0	0
ARMORY	1	173	Y	1	0	0	0	0	0	1
ARMORY	1	174	Y	1	0	0	0	0	0	1
ARMORY	1	178	Y	1	0	0	1	0	0	0
ARMORY	1	140	Y	5	0	0	5	0	0	0
ARMORY	1	182	Y	2	0	1	1	0	0	0
ARMORY	1	183	Y	2	1	1	0	0	0	0
ARMORY	1	181	Y	1	0	0	1	0	0	0
ARMORY	1	180	Y	1	0	0	1	0	0	0
ARMORY	1	179	Y	1	0	0	1	0	0	0
ARMORY	1	176	Y	1	0	0	0	0	0	1
ARMORY	1	175	Y	1	0	0	0	0	0	1
ARMORY	1	131	Y	9	3	0	6	0	0	0
ARMORY	1	185	Y	6	0	0	0	0	0	6
ARMORY	1	184	Y	2	0	2	0	0	0	0
ARMORY	1	186	N	N/A	N/A	N/A	N/A	N/A	N/A	N/A
ARMORY	1	188	N	N/A	N/A	N/A	N/A	N/A	N/A	N/A
ARMORY	1	187	N	N/A	N/A	N/A	N/A	N/A	N/A	N/A
ARMORY	1	189	Y	9	1	1	7	0	0	0
ARMORY	1	129	Y	2	0	0	0	2	0	0
ARMORY	1	126	Y	4	0	4	0	0	0	0
ARMORY	1	191	N	N/A	N/A	N/A	N/A	N/A	N/A	N/A
ARMORY	1	192	Y	1	0	1	0	0	0	0
ARMORY	1	193	Y	2	0	0	0	0	0	2
ARMORY	1	190	Y	2	0	2	0	0	0	0
ARMORY	1	166	Y	3	3	0	0	0	0	0
ARMORY	1	167	Y	1	0	1	0	0	0	0
ARMORY	1	150	Y	6	0	6	0	0	0	0
ARMORY	1	149	Y	1	0	1	0	0	0	0
ARMORY	1	148	Y	1	0	1	0	0	0	0
ARMORY	1	169	Y	1	0	1	0	0	0	0
ARMORY	1	153	Y	16	0	16	0	0	0	0
ARMORY	1	155	Y	7	0	7	0	0	0	0
ARMORY	1	197	Y	1	0	1	0	0	0	0
ARMORY	1	164	Y	2	0	0	2	0	0	0
ARMORY	1	156	Y	2	0	0	2	0	0	0
ARMORY	1	165	Y	0	0	0	0	0	0	0
ARMORY	1	163	Y	7	2	0	5	0	0	0
ARMORY	1	102	Y	2	0	0	1	1	0	0
ARMORY	1	162	Y	4	0	4	0	0	0	0

ARMORY	1	161	Y	2	0	2	0	0	0	0
ARMORY	1	160	Y	2	0	2	0	0	0	0
ARMORY	1	159	Y	2	0	2	0	0	0	0
ARMORY	1	108	Y	2	0	2	0	0	0	0
ARMORY	1	110	Y	4	0	4	0	0	0	0
ARMORY	1	110A	Y	4	0	4	0	0	0	0
ARMORY	1	110B	Y	6	1	5	0	0	0	0
ARMORY	1	114A	Y	2	0	0	0	2	0	0
ARMORY	1	114	Y	2	0	1	1	0	0	0
ARMORY	1	158	Y	1	0	0	1	0	0	0
ARMORY	1	115	Y	3	0	0	0	3	0	0
ARMORY	1	116	Y	4	1	3	0	0	0	0
ARMORY	1	118	Y	9	1	8	0	0	0	0
ARMORY	1	118A	Y	6	1	5	0	0	0	0
ARMORY	1	194	Y	1	0	1	0	0	0	0
ARMORY	1	118B	Y	2	0	2	0	0	0	0
ARMORY	1	120	Y	1	0	1	0	0	0	0
ARMORY	1	121	Y	1	0	1	0	0	0	0
ARMORY	1	195	Y	3	0	0	0	0	0	3
ARMORY	1	164	Y	0	0	0	0	0	0	0
ARMORY	1	163	Y	2	0	0	0	2	0	0
ARMORY	1	162	Y	3	0	3	0	0	0	0
ARMORY	1	161	Y	2	0	2	0	0	0	0
ARMORY	1	101	Y	0	0	0	0	0	0	0
ARMORY	1	177	N	N/A	N/A	N/A	N/A	N/A	N/A	N/A
ARMORY	2	209	Y	11	0	11	0	0	0	0
ARMORY	2	208	Y	15	1	14	0	0	0	0
ARMORY	2	212	Y	4	0	4	0	0	0	0
ARMORY	2	200	Y	10	3	5	2	0	0	0
ARMORY	2	213	Y	1	0	1	0	0	0	0
ARMORY	2	201	Y	6	3	3	0	0	0	0
ARMORY	2	211	Y	1	1	0	0	0	0	0
ARMORY	2	210	Y	1	0	1	0	0	0	0
ARMORY	2	214	Y	2	0	1	1	0	0	0
ARMORY	2	215	Y	1	0	0	0	1	0	0
ARMORY	2	202	Y	3	0	2	1	0	0	0
ARMORY	2	205	Y	2	0	2	0	0	0	0
ARMORY	2	204	Y	4	0	0	4	0	0	0
ARMORY	2	207A	Y	5	0	0	5	0	0	0
ARMORY	2	207	Y	5	0	0	5	0	0	0
ARMORY	2	206	Y	10	1	0	9	0	0	0
ARMORY	2	216	N	N/A	N/A	N/A	N/A	N/A	N/A	N/A

	Number of Fluorescent Light Fixtures	Number of Inoperable Fluorescent Light Ballasts	Number of Magnetic Ballast	Number of Electronic Ballast	Number of LED	Number of Leaking Ballast	Number of Unreachable Ballast
Facility Total:	269	24	156	63	11	0	15

Table WO1
Light Ballast Survey

Date:
Surveyors:
Facility Name: **West Orange**
Armorer: **Raul Chacon**

Building (Armory, FMS, Warehouse, MVSB,CSMS)	Floor	Room	Room Accessible (Y/N)	Number of Fluorescent Light Fixtures	Number of Inoperable Fluorescent Light Fixtures	Number of Magnetic Ballast	Number of Electronic Ballast	Number of LED	Notes
CSMS 1	1	100	Y	11	0	0	0	1	
CSMS 1	1	101	Y	1	0	0	1	0	
CSMS 1	1	102	Y	15	0	0	0	15	
CSMS 1	1	103	Y	4	0	0	0	4	
CSMS 1	1	104	Y	4	0	0	0	4	
CSMS 1	1	105	Y	3	0	0	0	3	
CSMS 1	1	106	Y	1	0	0	0	1	
CSMS 1	1	107	Y	2	0	0	0	2	
CSMS 1	1	108	N	N/A	N/A	N/A	N/A	N/A	
CSMS 1	1	109	Y	2	1	0	0	1	
CSMS 1	1	110	Y	11	0	0	0	11	
CSMS 1	1	111	Y	2	0	0	0	2	
CSMS 1	1	112	Y	4	0	0	0	4	
CSMS 1	1	113	Y	6	0	0	0	6	
CSMS 1	1	114	Y	54	0	0	0	54	
CSMS 1	1	115	N	N/A	N/A	N/A	N/A	N/A	
CSMS 1	1	116	N	N/A	N/A	N/A	N/A	N/A	
CSMS 1	1	117	N	N/A	N/A	N/A	N/A	N/A	
CSMS 1	1	118	N	N/A	N/A	N/A	N/A	N/A	
CSMS 2	1	100	Y	4	0	0	0	4	
CSMS 2	1	101	Y	2	0	0	0	2	
CSMS 2	1	102	Y	2	0	0	0	2	
CSMS 2	1	103	Y	6	0	0	0	6	
CSMS 2	1	104	Y	14	2	0	0	12	
CSMS 2	1	105	Y	9	0	0	0	9	
CSMS 2	1	106	Y	4	0	0	0	4	
CSMS 2	1	107	Y	6	0	0	0	6	
CSMS 2	1	108	Y	10	0	0	0	10	
CSMS 2	1	109	Y	4	0	0	0	4	
CSMS 2	1	110	Y	10	0	0	0	10	
CSMS 2	1	111	Y	4	0	0	0	4	
CSMS 2	1	112	Y	1	0	0	0	1	
CSMS 2	1	113	Y	16	0	0	0	16	
CSMS 2	1	114	Y	1	0	0	0	1	
CSMS 2	1	115	N	N/A	N/A	N/A	N/A	N/A	
CSMS 2	1	116	N	N/A	N/A	N/A	N/A	N/A	
Computer Shop	1	101	Y	40	0	0	0	40	
Computer Shop	1	102	Y	8	0	0	0	8	
Computer Shop	1	103	Y	2	0	0	0	2	unknown: 4
Computer Shop	1	104	Y	3	0	0	0	3	
Computer Shop	1	105	Y	3	0	0	0	3	
Computer Shop	1	106	Y	2	0	0	0	2	
Computer Shop	1	107	Y	1	0	0	0	1	
Armory	1	100	Y	6	0	0	0	6	
Armory	1	101	Y	10	0	0	0	10	
Armory	1	102	Y	1	0	0	0	1	
Armory	1	103	Y	19	0	0	0	19	
Armory	1	104	Y	0	0	0	0	0	
Armory	1	105	Y	1	0	0	0	1	
Armory	1	106	N	N/A	N/A	N/A	N/A	N/A	

Armory	1	107	N	N/A	N/A	N/A	N/A	N/A	
Armory	1	108	Y	1	0	0	0	1	
Armory	1	109	Y	0	0	0	0	0	
Armory	1	110	Y	6	0	0	0	6	
Armory	1	111	Y	1	0	0	0	1	
Armory	1	112	Y	0	0	0	0	0	
Armory	1	113	Y	0	0	0	0	0	
Armory	1	114	Y	0	0	0	0	0	
Armory	1	115	Y	0	0	0	0	0	
Armory	1	116	Y	4	0	0	0	4	
Armory	1	117	N	N/A	N/A	N/A	N/A	N/A	
Armory	1	118	Y	6	0	0	0	6	
Armory	1	119	Y	8	0	0	0	8	
Armory	1	120	N	N/A	N/A	N/A	N/A	N/A	
Armory	1	121	Y	8	0	0	0	8	
Armory	1	122	N	N/A	N/A	N/A	N/A	N/A	
Armory	1	123	Y	4	0	0	0	4	
Armory	1	124	Y	5	0	0	0	5	
Armory	1	125	Y	2	0	0	0	2	
Armory	1	126	Y	0	0	0	0	0	
Armory	1	127	Y	4	0	0	0	4	
Armory	1	128	Y	0	0	0	0	0	
Armory	1	129	N	N/A	N/A	N/A	N/A	N/A	
Armory	1	130	Y	10	0	0	0	10	
Armory	1	131	Y	2	0	0	0	2	
Armory	1	132	Y	48	0	0	48	0	
Armory	1	133	Y	11	0	11	0	0	
Armory	1	134	Y	5	0	5	0	0	
Armory	1	135	Y	4	0	4	0	0	
Armory	1	136	Y	22	0	22	0	0	
Armory	1	137	Y	18	0	18	0	0	
Armory	1	138	Y	6	0	0	0	6	
Armory	1	138A	Y	1	0	0	0	1	
Armory	1	139	Y	5	0	5	0	0	
Armory	1	140	Y	4	0	4	0	0	
Armory	1	141	Y	9	0	9	0	0	
Armory	1	142	Y	4	0	4	0	0	
Armory	2	200	Y	6	0	0	6	0	
Armory	2	201	Y	4	0	0	0	4	
Armory	2	202	Y	3	0	0	0	3	
Armory	2	203	Y	3	0	0	0	3	
Armory	2	204	Y	3	0	0	0	3	
Armory	2	205	Y	3	0	0	0	3	
Armory	2	206	N	N/A	N/A	N/A	N/A	N/A	
Armory	2	207	N	N/A	N/A	N/A	N/A	N/A	
Armory	2	208	N	N/A	N/A	N/A	N/A	N/A	
Armory	2	209	N	N/A	N/A	N/A	N/A	N/A	
Armory	2	210	N	N/A	N/A	N/A	N/A	N/A	
Armory	2	211	N	N/A	N/A	N/A	N/A	N/A	
Armory	2	212	N	N/A	N/A	N/A	N/A	N/A	
Armory	2	213	N	N/A	N/A	N/A	N/A	N/A	
Armory	2	214	Y	1	0	0	0	1	
Armory	2	215	N	N/A	N/A	N/A	N/A	N/A	
Armory	2	216	N	N/A	N/A	N/A	N/A	N/A	
Armory	2	217	N	N/A	N/A	N/A	N/A	N/A	
Armory	2	218	N	N/A	N/A	N/A	N/A	N/A	
Armory	2	219	N	N/A	N/A	N/A	N/A	N/A	
Armory	2	220	N	N/A	N/A	N/A	N/A	N/A	
Armory	2	221	N	N/A	N/A	N/A	N/A	N/A	
Armory	2	222	Y	1	0	0	0	1	
Armory	2	223	Y	4	0	0	4	0	

Armory	2	224	Y	3	0	0	0	3	
Armory	2	225	Y	0	0	0	0	0	
Armory	2	226	N	N/A	N/A	N/A	N/A	N/A	
Armory	2	227	N	N/A	N/A	N/A	N/A	N/A	
Armory	2	228	Y	2	0	0	0	2	
Armory	2	229	N	N/A	N/A	N/A	N/A	N/A	
Armory	2	230	N	N/A	N/A	N/A	N/A	N/A	
Armory	2	231	N	N/A	N/A	N/A	N/A	N/A	
Armory	2	232	N	N/A	N/A	N/A	N/A	N/A	
Armory	2	233	N	N/A	N/A	N/A	N/A	N/A	
Armory	2	234	N	N/A	N/A	N/A	N/A	N/A	
Armory	2	235	N	N/A	N/A	N/A	N/A	N/A	
Armory	2	236	N	N/A	N/A	N/A	N/A	N/A	
Armory	2	237	N	N/A	N/A	N/A	N/A	N/A	
Armory	2	238	N	N/A	N/A	N/A	N/A	N/A	
Armory	2	239	N	N/A	N/A	N/A	N/A	N/A	
Armory	2	240	N	N/A	N/A	N/A	N/A	N/A	
Armory	2	241	N	N/A	N/A	N/A	N/A	N/A	
Armory	2	242	N	N/A	N/A	N/A	N/A	N/A	
Armory	2	243	N	N/A	N/A	N/A	N/A	N/A	
Armory	2	244	N	N/A	N/A	N/A	N/A	N/A	
Armory	2	245	Y	0	0	0	0	0	
Armory	2	246	Y	13	0	13	0	0	
Armory	2	247	Y	18	0	18	0	0	
Armory	2	249	Y	0	0	0	0	0	
Armory	2	248	Y	1	0	0	0	1	
Armory	2	250	Y	1	0	0	0	1	
Armory	2	251	Y	2	0	0	2	0	
Armory	2	252	N	N/A	N/A	N/A	N/A	N/A	
Armory	2	253	Y	5	0	0	5	0	
Armory	2	254	Y	12	0	0	0	12	
Armory	2	255	Y	9	0	9	0	0	
Armory	2	256	Y	2	0	0	0	2	
Armory	2	257	Y	2	0	0	0	2	
Armory	2	258	Y	2	0	2	0	0	
Armory	2	259	Y	2	0	2	0	0	
Armory	2	260	Y	2	0	0	0	2	
Armory	2	261	Y	3	0	0	0	3	
Armory	2	262	Y	1	0	1	0	0	
Armory	2	263	N	N/A	N/A	N/A	N/A	N/A	
Armory	2	264	N	N/A	N/A	N/A	N/A	N/A	
Armory	2	265	N	N/A	N/A	N/A	N/A	N/A	
Armory	2	266	Y	2	0	0	0	2	
Armory	2	267	Y	4	0	0	0	4	
Armory	2	268	Y	10	0	10	0	0	
Armory	2	269	Y	9	0	9	0	0	
Armory	2	270	Y	2	0	2	0	0	
Armory	2	271	Y	2	0	2	0	0	
Armory	2	272	N	N/A	N/A	N/A	N/A	N/A	

	Number of Fluorescent Light Fixtures	Number of Inoperable Fluorescent Light Ballasts	Number of Magnetic Ballast	Number of Electronic Ballast	Number of LED
CSMS 1	120	0	0	1	108
CSMS 2	93	0	0	0	91
Computer Shop	59	0	0	0	59
Armory	372	0	150	65	157
Facility Total:	644	0	150	66	415

Table WD1
Light Ballast Survey

Date: 7/11/2017
Surveyors: Abbie Zorn, Hannah Buckley, Hunter Davis
Facility Name: Westfield
Armorer: Frank Martinez

Building (Armory, FMS, Warehouse, MVSB,CSMS)	Floor	Room	Room Accessible (Y/N)	Number of Fluorescent Light Fixtures	Number of Inoperable Fluorescent Light Fixtures	Number of Magnetic Ballast	Number of Electronic Ballast	Number of LED Ballast	Number of Leaking Ballast	Number of Unreachable Ballast
ARMORY	1	155	Y	2	0	0	2	0	0	0
ARMORY	1	128	Y	5	0	0	5	0	0	0
ARMORY	1	127	Y	8	0	0	8	0	0	0
ARMORY	1	126	Y	8	0	0	8	0	0	0
ARMORY	1	100	Y	6	0	0	6	0	0	0
ARMORY	1	125	Y	4	0	0	4	0	0	0
ARMORY	1	122	Y	3	0	0	3	0	0	0
ARMORY	1	123	Y	3	0	0	3	0	0	0
ARMORY	1	124	Y	5	0	0	5	0	0	0
ARMORY	1	121	Y	3	0	0	3	0	0	0
ARMORY	1	129	Y	6	0	0	6	0	0	0
ARMORY	1	120	Y	4	0	0	4	0	0	0
ARMORY	1	130	Y	4	0	0	4	0	0	0
ARMORY	1	156	Y	2	0	0	2	0	0	0
ARMORY	1	131	Y	15	1	0	12	0	0	2
ARMORY	1	157	Y	2	0	0	2	0	0	0
ARMORY	1	132	Y	3	0	0	3	0	0	0
ARMORY	1	133	Y	3	0	0	3	0	0	0
ARMORY	1	158	N	N/A	N/A	N/A	N/A	N/A	N/A	N/A
ARMORY	1	135	Y	6	1	0	2	0	0	3
ARMORY	1	104	Y	19	0	0	19	0	0	0
ARMORY	1	103	Y	14	3	1	10	0	0	0
ARMORY	1	136	N	N/A	N/A	N/A	N/A	N/A	N/A	N/A
ARMORY	1	137	N	N/A	N/A	N/A	N/A	N/A	N/A	N/A
ARMORY	1	138	N	N/A	N/A	N/A	N/A	N/A	N/A	N/A
ARMORY	1	139	N	N/A	N/A	N/A	N/A	N/A	N/A	N/A
ARMORY	1	140	N	N/A	N/A	N/A	N/A	N/A	N/A	N/A
ARMORY	1	141	N	N/A	N/A	N/A	N/A	N/A	N/A	N/A
ARMORY	1	101	Y	4	0	0	4	0	0	0
ARMORY	1	143	N	N/A	N/A	N/A	N/A	N/A	N/A	N/A
ARMORY	1	142	Y	2	0	0	2	0	0	0
ARMORY	1	144	Y	6	1	0	5	0	0	0
ARMORY	1	145	Y	2	0	0	2	0	0	0
ARMORY	1	146	N	N/A	N/A	N/A	N/A	N/A	N/A	N/A
ARMORY	1	102	Y	8	3	0	5	0	0	0
ARMORY	1	159	Y	1	0	0	1	0	0	0
ARMORY	1	148	Y	1	0	0	1	0	0	0
ARMORY	1	149	Y	2	0	0	2	0	0	0
ARMORY	1	152	Y	3	0	0	3	0	0	0
ARMORY	1	151	Y	1	0	0	1	0	0	0
ARMORY	1	150	Y	1	0	0	1	0	0	0
ARMORY	1	160	Y	3	0	0	3	0	0	0
ARMORY	1	147	Y	6	0	0	6	0	0	0
ARMORY	1	153	Y	50	0	0	50	0	0	0
ARMORY	2	200	Y	13	1	0	12	0	0	0
ARMORY	2	201	N	N/A	N/A	N/A	N/A	N/A	N/A	N/A
ARMORY	2	202	Y	12	0	0	12	0	0	0
ARMORY	2	203	Y	12	0	0	12	0	0	0
ARMORY	2	204	Y	12	0	0	12	0	0	0
ARMORY	2	205	Y	12	0	0	12	0	0	0

ARMORY	2	226	Y	1	1	0	0	0	0	0
ARMORY	2	229	N	N/A	N/A	N/A	N/A	N/A	N/A	N/A
ARMORY	2	208	Y	6	1	0	5	0	0	0
ARMORY	2	209	Y	31	7	0	20	0	0	4
ARMORY	2	227	Y	10	1	0	9	0	0	0
ARMORY	2	218	Y	4	0	0	4	0	0	0
ARMORY	2	210	Y	3	0	0	3	0	0	0
ARMORY	2	211	Y	3	0	0	3	0	0	0
ARMORY	2	212	Y	8	3	0	5	0	0	0
ARMORY	2	213	Y	2	0	0	2	0	0	0
ARMORY	2	214	Y	2	0	0	2	0	0	0
ARMORY	2	215	Y	9	0	0	9	0	0	0
ARMORY	2	216	N	N/A	N/A	N/A	N/A	N/A	N/A	N/A
ARMORY	2	217	Y	3	0	0	3	0	0	0
ARMORY	2	223	Y	0	0	0	0	0	0	0
ARMORY	2	220	Y	18	0	0	18	0	0	0
ARMORY	2	224	Y	15	0	0	15	0	0	0
ARMORY	2	228	Y	0	0	0	0	0	0	0
ARMORY	2	225	Y	2	0	0	2	0	0	0
ARMORY	2	222	Y	2	0	0	2	0	0	0
ARMORY	2	221	Y	4	0	0	4	0	0	0
ARMORY	2	300	Y	4	0	0	4	0	0	0
ARMORY	B	B6	N	N/A	N/A	N/A	N/A	N/A	N/A	N/A
ARMORY	B	B4	Y	4	0	0	4	0	0	0
ARMORY	B	B5	Y	1	0	0	1	0	0	0
ARMORY	B	B3	Y	12	0	0	12	0	0	0
ARMORY	B	B2	Y	0	0	0	0	0	0	0
ARMORY	B	B1	Y	4	0	0	4	0	0	0
OMS	1	111	Y	18	0	0	18	0	0	0
OMS	1	107	Y	3	0	0	3	0	0	0
OMS	1	108	Y	1	0	0	1	0	0	0
OMS	1	109	Y	2	0	0	2	0	0	0
OMS	1	110	Y	2	0	0	2	0	0	0
OMS	1	106	Y	44	3	0	41	0	0	0
OMS	1	105	Y	21	0	0	21	0	0	0
OMS	1	112	Y	1	0	0	1	0	0	0
OMS	1	101	Y	4	0	0	4	0	0	0
OMS	1	102	Y	6	0	0	6	0	0	0
OMS	1	103	Y	1	0	0	1	0	0	0
OMS	1	104	Y	2	0	0	2	0	0	0

	Number of Fluorescent Light Fixtures	Number of Inoperable Fluorescent Light Ballasts	Number of Magnetic Ballast	Number of Electronic Ballast	Number of Leaking Ballast	Number of LED	Number of Unreachable Ballast
Armory Total:	424	23	1	391	0	0	9
OMS Total:	105	3	0	102	0	0	0
Facility Total:	529	26	1	493	0	0	9

Table WE1
Light Ballast Survey

Date: 7/11/2017
Surveyors: Abbie Zorn, Hannah Buckley, Hunter Davis
Facility Name: Woodbridge
Armorer: Frank Martinez

Building (Armory, FMS, Warehouse, MVSB,CSMS)	Floor	Room	Room Accessible (Y/N)	Number of Fluorescent Light Fixtures	Number of Inoperable Fluorescent Light Fixtures	Number of Magnetic Ballast	Number of Electronic Ballast	Number of LED Ballast	Number of Leaking Ballast	Number of Unreachable Ballast
ARMORY	1	101	Y	4	0	0	0	4	0	0
ARMORY	1	102	Y	9	0	0	0	9	0	0
ARMORY	1	104	Y	2	0	0	0	2	0	0
ARMORY	1	103	Y	2	0	0	0	2	0	0
ARMORY	1	105	Y	2	0	0	0	2	0	0
ARMORY	1	109	Y	2	0	0	0	2	0	0
ARMORY	1	112	Y	1	0	0	0	1	0	0
ARMORY	1	155	N	N/A	N/A	N/A	N/A	N/A	N/A	N/A
ARMORY	1	154	Y	5	0	0	0	5	0	0
ARMORY	1	107	Y	2	0	0	0	2	0	0
ARMORY	1	106	Y	4	0	0	0	4	0	0
ARMORY	1	108	Y	4	0	0	0	4	0	0
ARMORY	1	113	Y	1	0	0	0	1	0	0
ARMORY	1	116	Y	2	0	0	0	2	0	0
ARMORY	1	115	Y	2	0	0	0	2	0	0
ARMORY	1	114	Y	5	0	0	0	5	0	0
ARMORY	1	153	N	N/A	N/A	N/A	N/A	N/A	N/A	N/A
ARMORY	1	152	Y	3	0	0	0	3	0	0
ARMORY	1	120	Y	4	0	0	0	4	0	0
ARMORY	1	117	Y	24	0	0	24		0	0
ARMORY	1	135	Y	11	0	0	0	11	0	0
ARMORY	1	134A	Y	1	0	0	0	1	0	0
ARMORY	1	134B	Y	2	0	0	0	2	0	0
ARMORY	1	133A	Y	1	0	0	0	1	0	0
ARMORY	1	133B	Y	1	0	0	0	1	0	0
ARMORY	1	134	Y	6	0	0	0	6	0	0
ARMORY	1	135	Y	4	0	0	0	4	0	0
ARMORY	1	136	Y	6	0	0	3	3	0	0
ARMORY	1	137	Y	8	0	0	8	0	0	0
ARMORY	1	142	Y	15	0	0	0	15	0	0
ARMORY	1	138	N	N/A	N/A	N/A	N/A	N/A	N/A	N/A
ARMORY	1	139	N	N/A	N/A	N/A	N/A	N/A	N/A	N/A
ARMORY	1	140	N	N/A	N/A	N/A	N/A	N/A	N/A	N/A
ARMORY	1	141	N	N/A	N/A	N/A	N/A	N/A	N/A	N/A
ARMORY	1	143	N	N/A	N/A	N/A	N/A	N/A	N/A	N/A
ARMORY	1	144	N	N/A	N/A	N/A	N/A	N/A	N/A	N/A
ARMORY	1	150	Y	1	0	1	0	0	0	0
ARMORY	1	118	Y	5	0	0	5	0	0	0
ARMORY	1	119	Y	4	0	0	0	4	0	0
ARMORY	1	151	Y	3	0	0	0	3	0	0
ARMORY	1	122	Y	2	0	0	0	2	0	0
ARMORY	1	147	N	N/A	N/A	N/A	N/A	N/A	N/A	N/A
ARMORY	1	146	N	N/A	N/A	N/A	N/A	N/A	N/A	N/A
ARMORY	1	145	N	N/A	N/A	N/A	N/A	N/A	N/A	N/A
ARMORY	1	121	Y	6	0	0	0	6	0	0
ARMORY	1	110	Y	3	0	0	0	0	0	3
ARMORY	1	111	Y	3	0	0	0	0	0	3

	Number of Fluorescent Light Fixtures	Number of Inoperable Fluorescent Light Ballasts	Number of Magnetic Ballast	Number of Electronic Ballast	Number of LED	Number of Leaking Ballast	Number of Unreachable Ballast
Facility Total:	160	0	1	40	113	0	6

Light Ballast Survey
Figure WY1

Date: 6/27/2017
Surveyors: Devin Walker, Rosalie Hood, Jonathan McKinnon
Facility Name: Woodbury
Armorer: Sam Delpidio

Building (Armory, FMS, Warehouse, MVSB,CSMS)	Floor	Room	Room Accessible (Y/N)	Number of Fluorescent Light Fixtures	Number of Inoperable Fluorescent Light Fixtures	Number of Magnetic Ballast	Number of Electronic Ballast	Number of Leaking Ballast	Notes
ARMORY	1	100H	Y	13	0	0	13	0	
ARMORY	1	101	N	N/A	N/A	N/A	N/A	N/A	
ARMORY	1	105	N	N/A	N/A	N/A	N/A	N/A	
ARMORY	1	105A	Y	2	0	2	0	0	
ARMORY	1	105H	Y	6	0	0	6	0	
ARMORY	1	106	Y	8	0	8	0	0	
ARMORY	1	107	Y	16	3	13	0	0	
ARMORY	1	108	Y	8	0	1	7	0	
ARMORY	1	108A	Y	4	0	2	2	0	
ARMORY	1	108B	Y	1	0	1	0	0	
ARMORY	1	109	Y	6	2	3	1	0	
ARMORY	1	110	Y	9	1	2	6	0	
ARMORY	1	111	Y	10	2	7	1	0	
ARMORY	1	112	Y	5	0	0	5	0	
ARMORY	1	113	Y	4	0	2	2	0	
ARMORY	1	114	Y	2	0	2	0	0	
ARMORY	1	114A	Y	4	0	2	2	0	
ARMORY	1	115	Y	20	0	16	4	0	
ARMORY	1	A-1A	N	N/A	N/A	N/A	N/A	N/A	
ARMORY	1	A-1B	Y	2	0	2	0	0	
ARMORY	1	A-3	Y	3	0	0	3	0	
ARMORY	1	A-4	Y	3	0	1	2	0	
ARMORY	1	S-1	Y	4	2	0	2	0	
ARMORY	1	S-2	Y	2	0	1	1	0	
ARMORY	1	S-3	Y	5	3	0	2	0	
ARMORY	B	B-1S	Y	6	0	0	6	0	
ARMORY	B	B-1A	Y	2	0	0	2	0	
ARMORY	B	B-1B	Y	2	0	0	2	0	
ARMORY	B	B-1	Y	6	0	0	6	0	
ARMORY	B	B-2	Y	6	0	0	6	0	
ARMORY	B	B-2A	Y	2	0	0	2	0	
ARMORY	B	B-2B	Y	2	0	0	2	0	
ARMORY	B	B-4	Y	2	0	0	2	0	
ARMORY	B	B-5	Y	4	2	0	2	0	
ARMORY	B	B-6	Y	10	1	0	9	0	
ARMORY	B	B-6A	N	N/A	N/A	N/A	N/A	N/A	
ARMORY	B	B-6B	Y	1	0	0	1	0	
ARMORY	B	B-6C	Y	1	0	0	1	0	
ARMORY	B	B-6D	Y	2	0	0	2	0	
ARMORY	B	B-6E	Y	2	1	0	1	0	
ARMORY	B	B-6F	N	N/A	N/A	N/A	N/A	N/A	
ARMORY	B	B-6G	Y	2	0	0	2	0	
ARMORY	B	B-7	Y	7	1	0	6	0	
ARMORY	B	B-7A	N	N/A	N/A	N/A	N/A	N/A	
ARMORY	B	B-7B	Y	3	0	0	3	0	
ARMORY	B	B-8	Y	5	0	0	5	0	Boiler/Sprinkler Valve Room
ARMORY	B	B-9	Y	21	7	2	12	0	
ARMORY	B	B-9A	Y	6	0	6	0	0	
ARMORY	B	B-10	Y	46	2	0	44	0	

ARMORY	B	B-11	Y	13	5	0	8	0	
ARMORY	B	B-12	Y	18	0	4	4	0	10 FLBs were inaccessible
ARMORY	B	B-13	Y	6	0	0	6	0	
ARMORY	B	S-2	Y	2	0	2	0	0	
ARMORY	B	VAULT-2	N	N/A	N/A	N/A	N/A	N/A	
ARMORY	B	HALL	Y	21	2	0	19	0	
MVSB-1	1	MVSB-1	Y	35	0	0	35	0	
MVSB-2	1	MVSB-2	Y	32	0	0	32	0	
MVSB-3	1	MVSB-3	N	N/A	N/A	N/A	N/A	N/A	

	Number of Fluorescent Light Fixtures	**Number of Inoperable Fluorescent Light Ballasts**	**Number of Magnetic Ballast**	**Number of Electronic Ballast**	**Number of Leaking Ballast**
Armory Total:	335	34	79	212	0
MSVB-1 Total:	35	0	0	35	0
MVSB-2 Total:	32	0	0	32	0
MVSB-3 Total:	No Access	No Access	No Access	No Access	No Access
Facility Total:	402	34	79	279	0

Table WN1
Light Ballast Survey

Date: 6/21/2017
Surveyors: Devin Walker, Rosalie Hood, Jonathan McKinnon
Facility Name: Woodstown
Armorer: Todd Vecchione

Building (Armory, FMS, Warehouse, MVSB,CSMS)	Floor	Room	Room Accessible (Y/N)	Number of Fluorescent Light Fixtures	Number of Inoperable Fluorescent Light Fixtures	Number of Magnetic Ballast	Number of Electronic Ballast	Number of Leaking Ballast	Notes
Armory	1	101A	Y	3	0	0	3	0	
Armory	1	100	Y	4	0	0	4	0	
Armory	1	101	Y	2	0	0	2	0	
Armory	1	103	Y	2	0	0	2	0	
Armory	1	104	Y	5	0	1	4	0	
Armory	1	105	Y	3	0	2	1	0	
Armory	1	106	Y	2	0	1	1	0	
Armory	1	107	Y	0	0	0	0	0	No FLBs
Armory	1	108	Y	8	1	2	5	0	
Armory	1	109	Y	10	1	0	9	0	
Armory	1	110	N	N/A	N/A	N/A	N/A	N/A	NO ACCESS
Armory	1	110A	N	N/A	N/A	N/A	N/A	N/A	NO ACCESS
Armory	1	111	Y	2	0	1	1	0	
Armory	1	112	Y	0	0	0	0	0	No FLBs
Armory	1	112A	Y	4	1	3	0	0	
Armory	1	120	Y	27	13	3	11	0	
Armory	1	113	Y	8	1	5	2	0	
Armory	1	113A	Y	2	0	0	2	0	
Armory	1	113B	Y	4	1	0	3	0	
Armory	1	114	Y	4	1	1	2	0	
Armory	1	115	Y	16	1	0	15	0	
Armory	1	116	Y	2	0	0	2	0	
Armory	1	117	N	N/A	N/A	N/A	N/A	N/A	NO ACCESS

	Number of Fluorescent Light Fixtures	Number of Inoperable Fluorescent Light Ballasts	Number of Magnetic Ballast	Number of Electronic Ballast	Number of Leaking Ballast
Facility Total:	108	20	19	69	0

Table 2

Parts Washers / Solvents / Rattlecan Data

Table AY2

Air Emission Source Survey

Parts Washer/ Solvent/Rattle Cans

Date: 5/22/2017
Surveyors: Devin Walker, Rosalie Hood, Jonathan McKinnon
Armory Name: Atlantic City
Armorer: Jake Falana

Location	Emission Source Name	Make	Model	Serial Number	VOC content (%) or (g/liter)	Type of Solvent Used	Amount of Solvent Used in Year	Hot or Cold Parts Washer	Open Area of parts washer (tape measure)	NSN Number	Number of Cans in Cabinet (oz)	Notes	VOC Emissions (ton/yr)
Armory	Paint can	Sherman Williams	A-100	N/A	49.1288 g/L	N/A	N/A	N/A	N/A	N/A	2304		0.0036887142
Armory	Paint can	Master Chem Industries	Kilz2 Latex Primer	N/A	99.4559 g/L	N/A	N/A	N/A	N/A	N/A	128		0.0004148555493
Armory	Paint thinner	Barr	GKPT94002	3019294002	778.0000 g/L	N/A	N/A	N/A	N/A	N/A	128		0.003245233489
Armory	CLP	CSD Inc.	Cleaner lubricant preservative	MIL-PRF-63460D & AMD 6	unknown	N/A	N/A	N/A	N/A	N/A	240	9150-01-054-6453	
Armory	Paint can	Duron	DU1220914	N/A	35.9479 g/L	N/A	N/A	N/A	N/A	N/A	384		0.0004498431707
Armory	Insulating Foam Sealant	DOW - great stuff	Great stuff	N/A	unknown	N/A	N/A	N/A	N/A	N/A	48		
Armory	Slip Resistant Coating	Rust-Oleum	Epoxy Shield	N/A	Charcoal: 0 g/L Rustic Brown: 0 g/L Black Walnut: 15 g/L	N/A	N/A	N/A	N/A	N/A	12		0.0000058658221
FMS	Spray Paint	Sherman Williams	Green	N/A	unknown	N/A	N/A	N/A	N/A	N/A	N/A		
FMS	Parts Washer	Walker Special	1	12	780g/L	Mineral Spirits	100 gal	Cold	10x12 (.83333 ft2)	N/A	N/A		0.33
										Total Cans:	3244	Total VOC Emissions	0.3378045122

Table BN2

Air Emission Source Survey

Parts Washer/ Solvent/Rattle Cans

Date: 6/21/2017

Surveyors: Devin Walker, Rosalie Hood, Jonathan McKinnon

Facility Name: Bridgeton

Armorer:

Location	Emission Source Name	Make	Model	Serial Number	VOC content (%) or (g/liter)	Type of Solvent Used	Amount of Solvent Used in Year	Hot or Cold Parts Washer	Open Area of parts washer (tape measure)	NSN Number	Number of Cans in Cabinet	Notes
N/A												

Table BT2

Air Emission Source Survey

Parts Washer/ Solvent/Rattle Cans

Date: 07/11/2017
Surveyors: Rosalie Hood, and Jon Mckinnon
Facility Name: Bordentown
Armorer: Sam DelPidio

Location	Emission Source Name	Make	Model	Serial Number	VOC content (%) or (g/liter)	Type of Solvent Used	Amount of Solvent Used in Year	Hot or Cold Parts Washer	Open Area of parts washer (tape measure)	NSN Number	Number of Cans in Cabinet (oz)	Notes	VOC Emissions (ton/yr)
ARMORY	PAINT	Sherman Williams	B97YD2467	N/A	48.0000 g/L	N/A	N/A	N/A	N/A	N/A	128		0.000200220061
ARMORY	PAINT	INSL-X	TP-2210	N/A	100.0000 g/L	N/A	N/A	N/A	N/A	N/A	393		0.001281435375
ARMORY	PAINT	Custom Paint Products group	Z90 l 812	N/A	86.0000 g/L	N/A	N/A	N/A	N/A	N/A	384		0.001076182828
OMS	ENAMEL	Rust-O-Leum	7538 HUNTER GREEN	2006675387	533.000 g/L	N/A	N/A	N/A	N/A	N/A			unknown
OMS	INK MARKING STENCIL OPAQUE	So-Sure	RED 31136	7510001837697	75.00%	N/A	N/A	N/A	N/A	N/A			unknown
OMS	ENAMEL	So-Sure	FLAT BLACK 37038	N/A	40% / 520 g/L	N/A	N/A	N/A	N/A	N/A			unknown
OMS	METHYLKETONE MEK SOLVENT	Crown		N/A	100% / 805.0000 g/L	N/A	N/A	N/A	N/A	N/A			unknown
OMS	TRAFFIC PAINT	INSL-X	TP-3224 YELLOW	N/A	< 100 g/L	N/A	N/A	N/A	N/A	N/A	393		0.001281435375
										Sum (oz)	1298	Total VOCs:	0.003839273639

Table CL2

Air Emission Source Survey

Parts Washer/ Solvent/Rattle Cans

Date: 6/29/2017

Surveyors: Devin Walker, Rosalie Hood, Jonathan McKinnon

Armory Name: Cherry Hill

Armorer: Ed Torres

Location	Emission Source Name	Make	Model	Serial Number	VOC content (%) or (g/liter)	Type of Solvent Used	Amount of Solvent Used in Year	Hot or Cold Parts Washer	Open Area of parts washer (tape measure)	NSN Number	Number of Cans in Cabinet (oz)	Notes	VOC Emissions (tons/yr)
ARMORY	PAINT	Rust-O-Leum	2348	N/A	66.00%	N/A	N/A	N/A	N/A	N/A	108		0.001840694975
ARMORY	PAINT	Duron	WHITE	N/A	58 g/L	N/A	N/A	N/A	N/A	N/A	768		0.001451595442
ARMORY	PAINT	So Sure	7510-00-469-7910	N/A	523 g/L	N/A	N/A	N/A	N/A	N/A	768		0.01308938649
ARMORY	PAINT	TriCom Coatings	8010-01-363-3373	N/A	316 g/L	N/A	N/A	N/A	N/A	N/A	252		0.002595039697
												Total:	0.0189767166

Table CY2

Air Emission Source Survey

Parts Washer/ Solvent/Rattle Cans

Date: 6/22/2017

Surveyors: Devin Walker, Rosalie Hood, Jonathan McKinnon

Facility Name: Cape May

Armorer: Steve Allay

Location	Emission Source Name	Make	Model	Serial Number	VOC content (%) or (g/liter)	Type of Solvent Used	Amount of Solvent Used in Year	Hot or Cold Parts Washer	Open Area of parts washer (tape measure)	NSN Number	Number of Cans in Cabinet (oz)	Notes	Emissions (tons/yr)
FMS	PAINT	Skilcraft		AA2787A	512.86 g/L						196		0.003275754013
FMS	PAINT	Sherman William	B66T204		191g/L						640		0.003983544964
FMS	PAINT	Duron	29-101		89 g/L						512		0.001484965452
FMS	De-icer Fluid	Skilcraft	6850-00-853-0484		52.00%						168		0.00413454426
FMS	PAINT	Skilcraft		8010-01-331-6109	65.00%						55		0.001018010167
FMS	PAINT	Skilcraft		8010-01-331-6109	567.98 g/L						88		0.001628816267
FMS	PARTSWASHER	Snap-On	PBC57A		20%	Karchen Super-Clean		HOT	660.52 in^3				0
ARMORY	PAINT	Skilcraft		AA1801	517.65 g/L						416		0.007017556716
ARMORY	PAINT	Skilcraft		AA1801	666.23 g/L						156		0.00338692177
ARMORY	PAINT	Pratt and Lamber	GOLD		50 g/L						128		0.0002085625636
ARMORY	PAINT	Sherman William	B54WZ413		328 g/L						128		0.001368170417
												Total VOCs:	0.02750684659

Table DR2

Air Emission Source Survey

Parts Washer/ Solvent/Rattle Cans

Date: 6/22/2017

Surveyors: Bill McBride, Hannah Buckley, Hunter Davis

Armory Nar Dover

Armorer: Charles Rissmiller

Location	Emission Source Name	Make	Model	Serial Number	VOC content (%) or (g/liter)	Type of Solvent Used	Amount of Solvent Used in Year	Hot or Cold Parts Washer	Open Area of parts washer (tape measure)	NSN Number	Number of Cans in Cabinet	Amount in Cabinet (oz)	VOC Emissions (tons/yr)	Notes
ARMORY	RATTLE CAN	Rustoleum	Sail Blue	DOT-2P	65%		Agitene cleaning Fluid	Unknown	N/A	N/A	Unknown	17.6	0	
FMS	PARTS WASHER	Graymills	PL36A	IDK55-H-5	80%			COLD	34.5X20.75in (4.97135 ft2)	Unknown	N/A	0.33	0.33	height of liquid: 8in
FMS	RATTLE CAN	Rustoleum	Gloss White	7792 NFPP	60%		N/A	Unknown	N/A	N/A	Unknown	360	0.00675	
FMS	PAINT CAN	Rustoleum	Hunter Green	K7738	400 g/L		N/A	Unknown	N/A	N/A	Unknown	384	0.0399849	
FMS	PAINT CAN	Nason	White	Unknown	527 g/L		N/A	Unknown	N/A	N/A	Unknown	512	0.070240061	
FMS	RATTLE CAN	Krylon	Marking Paint	Unknown	66 g/L		N/A	Unknown	N/A	N/A	Unknown	60	0.00103086	
FMS	RATTLE CAN	Blaster	Penetrating Catalyst	16039 B090	195.68 g/L		N/A	Unknown	N/A	N/A	Unknown	60	0.003056498	
FMS	RATTLE CAN	Brakleen	Brake Parts Cleaner	Unknown	45%		N/A	Unknown	N/A	N/A	Unknown	72	0.0010125	
													Total VOC Emissions (tons/yr)	**0.452074819**

Table FD2

Air Emission Source Survey

Parts Washer/ Solvent/Rattle Cans

Date: 7/11/2017

Surveyors: Devin Walker, Rosalie Hood, Jonathan McKinnon

Facility Name: Freehold

Armorer: William Homeyer

Location	Emission Source Name	Make	Model	Serial Number	VOC content (%) or (g/liter)	Type of Solvent Used	Amount of Solvent Used in Year	Hot or Cold Parts Washer	Open Area of parts washer (tape measure)	NSN Number	Number of Cans in Cabinet (oz)	Notes	VOC Emissions (tons/yr)
ARMORY	PAINT	Rust O Leum	K7769	N/A	400 g/L	N/A	N/A	N/A	N/A	N/A	256		0.003337001017
ARMORY	PAINT	Premier	PR350	N/A		N/A	N/A	N/A	N/A	N/A			
ARMORY	PAINT	Duron	122-0914 1	N/A	134.2056 g/L	N/A	N/A	N/A	N/A	N/A	256		0.001119610559
ARMORY	PARTS WASHER	SmartWasher	SW-23	A028185		OzzyMat	N/A	HOT	N/A	N/A			0
ARMORY	PAINT	Rust O Leum	protective enamel	N/A	60.00%	N/A	N/A	N/A	N/A	N/A	24		0.0004090433278
ARMORY	PAINT	Spraypaint	fast dry	N/A	60.00%	N/A	N/A	N/A	N/A	N/A	20		0.0003408694398
ARMORY	PAINT	eco-sure	a-a-2787a	N/A	517 g/L	N/A	N/A	N/A	N/A	N/A	11		0.0001853273905
												Total:	0.005391851734

Table FL2

Air Emission Source Survey

Parts Washer/ Solvent/Rattle Cans

Date: 6/29/2017

Surveyors: Anjelica McMahon, Hannah Buckley, Hunter Davis

Facility Name Flemington

Armorer: Brett Davala

Location	Emission Source Name	Make	Model	Serial Number	VOC content (%) or (g/liter)	Type of Solvent Used	Amount of Solvent Used in Year	Hot or Cold Parts Washer	Open Area of parts washer (tape measure)	NSN Number	Amount in Cabinet (oz)	VOC Emissions (tons)	Notes
MVSB	RATTLECAN	Skilcraft	Enamel Paint	A-A-2787A	552 g/l	NA	Unknown	N/A	N/A	Unknown	1380	0.1983	

Table FRN2

Air Emission Source Survey

Parts Washer/ Solvent/Rattle Cans

Date: 6/28/2017

Surveyors: Sarah Helble, Hannah Buckley, Hunter Davis

Facility Name: Franklin

Armorer: Charles Rissmiller

Location	Emission Source Name	Make	Model	Serial Number	VOC content (%) or (g/liter)	Type of Solvent Used	Amount of Solvent Used in Year	Hot or Cold Parts Washer	Open Area of parts washer (tape measure)	NSN Number	Number of Cans in Cabinet	Notes
N/A												

Table FX2

Air Emission Source Survey

Parts Washer/ Solvent/Rattle Cans

Date: 7/24/2017

Surveyors: Jon, Rose, Devin

Facility Name: Fort Dix

Armorer: Scott Reddler

Location	Emission Source Name	Make	Model	Serial Number	VOC content (%) or (g/liter)	Type of Solvent Used	Amount of Solvent Used in Year	Hot or Cold Parts Washer	Open Area of parts washer (tape measure)	NSN Number	Number of Cans in Cabinet	Notes	VOC Emissions (tons/yr)
3601	Rattle Cans	Skilcraft So-Sure	ENAMEL	BROWN 30372	60%	N/A	N/A	N/A	N/A	N/A	84		0.001431651647
3601	Rattle Cans	Rustoleum Enamel	RESIN TAN		65%	N/A	N/A	N/A	N/A	N/A	96		0.001636173311
												Total:	0.003067824958

Table HA2

Air Emission Source Survey

Parts Washer/ Solvent/Rattle Cans

Date: 6/26/2017

Surveyors: Chuck Appleby, Rosalie Hood, Jonathan McKinnon

Facility Name: Hammonton

Armorer: Phillip Fiore

Location	Emission Source Name	Make	Model	Serial Number	VOC content (%) or (g/liter)	Type of Solvent Used	Amount of Solvent Used in Year	Hot or Cold Parts Washer	Open Area of parts washer	NSN Number	Number of Cans in Cabinet	Notes	VOC Emissions (tons/yr)
STORAGE	RATTLE	RATTLE	So-Sure	N/A	517.6502 g/L	N/A	N/A	N/A	N/A	N/A	13 oz		0.0002192987321

Table HN2

Air Emission Source Survey

Parts Washer/ Solvent/Rattle Cans

Date: 6/27/2017

Surveyors: Bill McBride, Hannah Buckley, Hunter Davis

Facility Name: Hackettstown

Armorer: Charles Rissmiller

Location	Emission Source Name	Make	Model	Serial Number	VOC content (%) or (g/liter)	Type of Solvent Used	Amount of Solvent Used in Year	Hot or Cold Parts Washer	Open Area of parts washer (tape measure)	NSN Number	Amount in Cabinet (oz)	VOC Emissions (tons)	Notes
ARMORY	Rattle Can	Krylon	Camouflage	4290	60 g/l	N/A	Unknown	N/A	N/A	Unknown	60	0.000937	
ARMORY	Rattle Can	Rustoleum	Camouflage	279178	65.00%	N/A	Unknown	N/A	N/A	Unknown	288	0.00585	
ARMORY	Paint Can	Hentzen	Black	37030	420 g/l	N/A	Unknown	N/A	N/A	Unknown	384	0.041984	
FMS	Parts Washer	Graymills	300-A	198655-18	88%	Petroleum Distillate, 2-Butoxyethanol	7 empty cans on ground	Cold	44L x 22W x 16H	Unknown	N/A	0.33	VOC Content is for Penetone 1090
FMS	Parts Washer	Graymills	A-28000-A	Unknown	88%	Petroleum Distillate, 2-Butoxyethanol	N/A	Cold	35L x 22W x 10H	4940-00-449-6689	N/A	0.33	VOC Content is for Penetone 1090
											Total:	0.708771	

Table JC2

Air Emission Source Survey

Parts Washer/ Solvent/Rattle Cans

Date: 5/27/2017
Surveyors: Chuck Appleby, Rosalie Hood, Jon Mikinnon, Hannah Buckley, and Hunter Davis
Armory Name: Jersey City
Armorer: Charles Parsons

Location	Emission Source Name	Make	Model	Serial Number	VOC content (%) or (g/liter)	Type of Solvent Used	Amount of Solvent Used in Year	Hot or Cold Parts Washer	Open Area of parts washer (tape measure)	Number of Cans in Cabinet (oz)	VOC Emissions (tons/yr)
FMS	Spray Paint	Sherman Williams	Green	unkn	10%	N/A	N/A	N/A	N/A	unkn	unkn
FMS	Parts Washer	Walker Special	1	12	2%	Mineral Spirits	100 gal	Cold	10x12	N/A	0.33
										Total VOC Emissions	0.33

Table LE2

Air Emission Source Survey

Parts Washer/ Solvent/Rattle Cans

Date: N/A
Surveyors: Bill, Anjelica, Devon, Hannah, Rosalie
Facility Name: Lawrenceville
Armorer: Joe Lech

Location	Emission Source Name	Make	Model	Serial Number	VOC content (%) or (g/liter)	Type of Solvent Used	Amount of Solvent/Cans Used in Year	Hot or Cold Parts Washer	Open Area of parts washer (tape measure)	NSN Number	Number of Cans in Cabinet (oz)	Notes	VOC Emissions (tons/yr)
BLDG 3- Wood Shop	Paint Can	*MAB*	*Rust-o-lastic finish coating*	*1608900839*	467.323 g/L	*N/A*	*N/A*	*N/A*	*N/A*	*N/A*	316		0.004813419722
BLDG 3- Wood Shop	Paint Can	*MAB*	*Sea Shore Semi Gloss Trim*	*1608918441*	143.792 g/L	*N/A*	*N/A*	*N/A*	*N/A*	*N/A*	896		0.004198547939
BLDG 3- Wood Shop	Paint Can	MAB	*Sea Shore Full Gloss Exterior Trim Color #55695 Lemon Ice*	*N/A*	354.6862 g/L	*N/A*	*N/A*	*N/A*	*N/A*	*N/A*	128		0.001479485263
BLDG 3- Wood Shop	Paint Can	Con Lux	Trim Plex 250 Arctic White	*N/A*	378.6515 g/L	*N/A*	*N/A*	*N/A*	*N/A*	*N/A*	128		0.001579450551
BLDG 3- Wood Shop	Paint Can	Bondo	Body Filler	7630800265	N/A	*N/A*	*N/A*	*N/A*	*N/A*	*N/A*	128		
BLDG 3- Wood Shop	Paint Can	Muralo	Super-Tred Alkyd Floor & Trim Enamel	*N/A*	339.1088 g/L	*N/A*	*N/A*	*N/A*	*N/A*	*N/A*	384		0.004243524039
BLDG 3- Wood Shop	Paint Can	Sherman Williams	Porch & Floor Enamel	0020290-001	39.54272 g/L	*N/A*	*N/A*	*N/A*	*N/A*	*N/A*	384		0.0004948278632
BLDG 3- Wood Shop	Paint Can	Aervoe	979G Forest Green	8819310879	N/A	*N/A*	*N/A*	*N/A*	*N/A*	*N/A*	256		
BLDG 3- Wood Shop	Paint Can	Duron	Interior Flat Acrylic Latex One Coat White	3909224593	250.4372 g/L	*N/A*	*N/A*	*N/A*	*N/A*	*N/A*	640		0.005223182444
BLDG 3- Wood Shop	Paint Can	Behr		7888507023	50 g/L	*N/A*	*N/A*	*N/A*	*N/A*	*N/A*	512		0.0008342502542
BLDG 3- Wood Shop	Paint Can	GCI	Enamel Alkyd Lustreless	8010005985460	N/A	*N/A*	*N/A*	*N/A*	*N/A*	*N/A*	640		
BLDG 3- Wood Shop	Paint Can	GCI	Enamel 383 Green		N/A	*N/A*	*N/A*	*N/A*	*N/A*	*N/A*	256		
BLDG 3- Wood Shop	Paint Can	MAB	Extra White	MB024W151	21 g/L	*N/A*	*N/A*	*N/A*	*N/A*	*N/A*	128		0.00008759627669
BLDG 3- Wood Shop	Paint Can	MAB	Classic White Base	041-1501	1.2 g/L	*N/A*	*N/A*	*N/A*	*N/A*	*N/A*	128		0.000005005501525
BLDG 3- Wood Shop	Paint Can	Pratt & Lambert	bright white base		50 g/L	*N/A*	*N/A*	*N/A*	*N/A*	*N/A*	128		0.0002085625636
BLDG 3- Wood Shop	Rattle Cans	Gillespe Coatings Inc. Paint	Touch up Spray	52951	88.00%	*N/A*	*N/A*	*N/A*	*N/A*	*N/A*	60		0.001022608319
BLDG 3- Wood Shop	Rattle Cans	Skilcraft	industrial enamel paint	8010-01-331-6111	65.00%	*N/A*	*N/A*	*N/A*	*N/A*	*N/A*	72		0.001227129983
BLDG 3- Wood Shop	Rattle Cans	So Sure	Olive Green	A-A-665	65.00%	*N/A*	*N/A*	*N/A*	*N/A*	)-00-584-3	120		0.002045216639
BLDG 3- Wood Shop	Rattle Cans	Quick Color	Spray enamel	214231 0304	65.00%	*N/A*	*N/A*	*N/A*	*N/A*	*N/A*	12		0.0002045216639
BLDG 3- Wood Shop	Rattle Cans	Rustoleum	hard hat	CD02131-0899	66.00%	*N/A*	*N/A*	*N/A*	*N/A*	*N/A*	192		0.003272346622
BLDG 3- Wood Shop	Rattle Cans	Krylon	camouflage	4291	60g/1.2L	*N/A*	*N/A*	*N/A*	*N/A*	*N/A*	96		0.001636173311
DMAVA PENTHOUSE	Paint Can	Sherwin Williams	Alkyd Coating Pure White	0057652-001	N/A	*N/A*	*N/A*	*N/A*	*N/A*	*N/A*	48		
Marshal's Building	paint	Behr	Base	*N/A*	50 g/L	*N/A*	*N/A*	*N/A*	*N/A*	*N/A*	352		0.0005735470498
Marshal's Building	paint	MAB	LockTite	*N/A*	97 g/L	*N/A*	*N/A*	*N/A*	*N/A*	*N/A*	128		0.0004046113733
Marshal's Building	paint	Henry	WetPatch Roof Cement	*N/A*	300 g/L	*N/A*	*N/A*	*N/A*	*N/A*	*N/A*	448		0.004379813835
Marshal's Building	paint	Rust o leum	gloss protective enamel	*N/A*	65.00%	*N/A*	*N/A*	*N/A*	*N/A*	*N/A*	48		0.0008180866555
											6628	Total:	0.03875190787

Table LH2

Air Emission Source Survey

Parts Washer/ Solvent/Rattle Cans

Date: June 13, 2017
Surveyors: Bill, Anj,Devin, Rose, Jin, Hannah, Hunter
Armory Name: Lakehurst
Armorer: David Lohman

Location	Emission Source Name	Make	Model	Serial Number	VOC content (g/Liter)	Type of Solvent Used	Amount of Solvent/Cans Used in Year	Hot or Cold Parts Washer	Open Area of parts washer (tape measure)	NSN Number	Amount in Cabinet (oz)	VOC Emissions (Tons/Yr)	Location
CLTF CSMS	PARTS WASHER	Beter Engineering	FZ000-ZX	19499	0	water	N/A	hot	19 in radius x two trays	N/A	0	0	CLTF CSMS
CLTF CSMS	PARTS WASHER	Beter Engineering	F3000PZX	21774	0	water	N/A	hot	N/A	N/A	0	0	CLTF CSMS
CLTF CSMS	PAINT CAN	Behr	Ultra Pure White 558	8247455802	50	N/A	N/A	N/A	N/A	N/A	256.3	0.0004177582967	CLTF CSMS
CLTF CSMS	PAINT CAN	Hentzen	Brown 83	07179TWU	PRODUCT NOT FOUND ONLINE	N/A	N/A	N/A	N/A	N/A	768.9	PRODUCT NOT FOUND ONLINE	CLTF CSMS
CLTF CSMS	PAINT CAN	Skilcraft	Green 34053	TT-E-527D	367	N/A	N/A	N/A	N/A	N/A	10.5	0.0001256208815	CLTF CSMS
CLTF CSMS	PAINT CAN	Skilcraft	Light Gray	A-A-1551	367	N/A	N/A	N/A	N/A	N/A	21	0.000251241763	CLTF CSMS
CLTF CSMS	PRIMER	NCP Coatings	n-9018	8010-00-292-1127	275.6	N/A	N/A	N/A	N/A	N/A	256	0.002299988433	CLTF CSMS
CLTF CSMS	WOOD FINISH	Minwax	Early American 230		250	N/A	N/A	N/A	N/A	N/A	128	0.001043173273	CLTF CSMS
CLTF CSMS	LATEX GLOSS	Durant	11105	8010013339813	150	N/A	N/A	N/A	N/A	N/A	128	0.0006259039639	CLTF CSMS
CLTF CSMS	WOOD FINISH	Minwax	Colonial Maple		550	N/A	N/A	N/A	N/A	N/A	256	0.004589962402	CLTF CSMS
CLTF CSMS	RATTLECAN	Specseal	Smoke n Spray SNS205	SNS0509-4S	34	N/A	N/A	N/A	N/A	N/A	1280	0.001418715651	CLTF CSMS
CLTF CSMS	FIRESTOP SEALANT	ES Elastomeric	ES105		15	N/A	N/A	N/A	N/A	N/A	640	0.0003129519819	CLTF CSMS
CLTF CSMS	TRAFFIC PAINT	Pratt and Lamberr	yellow	Z9107	75	N/A	N/A	N/A	N/A	N/A	640	0.00156475991	CLTF CSMS
CLTF CSMS	ADHESIVE	Marlite	C-551 Light Cream	T400C55135	2.6	N/A	N/A	N/A	N/A	N/A	448	0.00003797150714	CLTF CSMS
CLTF CSMS	PAINT CAN	Sherwin Williams	Master Hide Flat Wall Paint	3577753892	49	N/A	N/A	N/A	N/A	N/A	630	0.001006336217	CLTF CSMS
CLTF CSMS	RATTLECAN	Skilcraft	Stencil Marking Ink White 37875	923542105	526	N/A	N/A	N/A	N/A	N/A	63	0.001080271123	CLTF CSMS
CLTF CSMS	RATTLECAN	Skilcraft	Eco-Sure Industrial Enamel Paint A-A-2787A	8010013316108	517.65	N/A	N/A	N/A	N/A	N/A	44	0.0007424981366	CLTF CSMS
CLTF CSMS	RATTLECAN	Skilcraft	Eco-Sure Industrial Enamel Paint A-A-2787		545.21	N/A	N/A	N/A	N/A	N/A	77	0.001368551079	CLTF CSMS
CLTF CSMS	PAINT CAN	Durant	Duraplex 1190 Exterior Latex Gloss	8010013339813	150	N/A	N/A	N/A	N/A	N/A	384	0.001877711892	CLTF CSMS
CLTF CSMS	RATTLECAN	Minwax	Fast drying polyurethane	2742633050	550	N/A	N/A	N/A	N/A	N/A	517.5	0.009278537277	CLTF CSMS
CLTF CSMS	PAINT CAN	Minwax	Fast drying polyurethane	2742663005	550	N/A	N/A	N/A	N/A	N/A	32	0.0005737453002	CLTF CSMS
CLTF CSMS	PAINT CAN	Behr Premium Plus	Interior Semi-gloss Enamel	8247433001	150	N/A	N/A	N/A	N/A	N/A	1664	0.00813675153	CLTF CSMS
CLTF CSMS	PAINT CAN	Sherwin Williams	Industrial & Marine Coatings Water Based Catalyzed Epoxy	3577732661	200	N/A	N/A	N/A	N/A	N/A	256	0.001669077237	CLTF CSMS
CLTF CSMS	PAINT CAN	Behr	1-Part Epoxy Concrete & Garage Floor Paint	8247490205	250	N/A	N/A	N/A	N/A	N/A	1920	0.0156475991	CLTF CSMS
CLTF CSMS	RATTLECAN	Rust-oleum	Inverted Stripping Paint	2006623919	502	N/A	N/A	N/A	N/A	N/A	18	0.000294566053	CLTF CSMS
CLTF CSMS	PAINT CAN	Homax Tough as Tile	Tub & Tile Brush-on Refinishing Kit	N/A	508	N/A	N/A	N/A	N/A	N/A	26	0.0004305697685	CLTF CSMS
FUEL STORAGE BUILDING	RATTLECAN	Met-L-Check Company	FP-95A (M) Penetrant	MSN: 6850012674345	0	N/A	N/A	N/A	N/A	N/A	24	0	FUEL STORAGE BUILDING
FUEL STORAGE BUILDING	RATTLECAN	Met-L-Check Company	#1400B/ 1400B MPI BATH	MSN: 6850015717370	0	N/A	N/A	N/A	N/A	N/A	42.5	0	FUEL STORAGE BUILDING
FUEL STORAGE BUILDING	RATTLECAN	Met-L-Check Company	FP-923 & FP-923 Penetrant	MSN: 6850PHM00050684	0	N/A	N/A	N/A	N/A	N/A	52.5	0	FUEL STORAGE BUILDING
FUEL STORAGE BUILDING	RATTLECAN	Daubert Chemical Company	5010 NOX-RUST 501LS	MSN: 8030000626950	436.5	N/A	N/A	N/A	N/A	N/A	128	0.001821380535	FUEL STORAGE BUILDING
FUEL STORAGE BUILDING	RATTLECAN	Skilcraft So Sure	MIL-PRF-81309F TYPE III-Soft Film	2224522	661	N/A	N/A	N/A	N/A	N/A	294	0.006335126089	FUEL STORAGE BUILDING
FUEL STORAGE BUILDING	RATTLECAN	Skilcraft So Sure	MIL-PRF-81309G TYPE II, Class 2, Grade 134A	N/A	441	N/A	N/A	N/A	N/A	N/A	493	0.007087482213	FUEL STORAGE BUILDING
FUEL STORAGE BUILDING	RATTLECAN	Skilcraft So Sure	MIL-DTL-85054D (AS), Type I, Class CO2	N/A	584	N/A	N/A	N/A	N/A	N/A	165	0.003141255519	FUEL STORAGE BUILDING
FUEL STORAGE BUILDING	PAINT CAN	Daubert Chemical Company	NOX-RUST 501 LS/ TECTYL 891-D CLASS 1	MSN: 80300023122345	436.5	N/A	N/A	N/A	N/A	N/A	384	0.005464141605	FUEL STORAGE BUILDING
HANGER	PAINT CAN	Flamemaster Chem Seal Division	CS 3213 CLASS B-2	PN M81733-21A-QT-2HR	11.11	N/A	N/A	N/A	N/A	N/A	192	0.00006953793039	HANGER
HANGER	PAINT CAN	Hentzen	37038 Aircraft Black Vohap Free Zenthane MIL-DTL-53039e TYPE IX	08628KUZ-B33	3.35	N/A	N/A	N/A	N/A	N/A	128	0.00001397852186	HANGER
HANGER	PAINT CAN	Kaercher	RM22ASF Cleaning Solvent	NSN: AIRBUS	PRODUCT NOT FOUND ONLINE	N/A	N/A	N/A	N/A	N/A	N/A	PRODUCT NOT FOUND ONLINE	HANGER
AASF	PAINT GUN	Blue-Point	H16A	N/A	PRODUCT NOT FOUND ONLINE	N/A	N/A	N/A	N/A	N/A	N/A	PRODUCT NOT FOUND ONLINE	AASF
AASF	PAINT GUN	Warwick	9804 Water Acetone	140506019	791	N/A	N/A	N/A	N/A	N/A	42	0.001083009452	AASF
AASF	PAINT CAN	Hentzen	16931GWU	N/A	1.29	N/A	N/A	N/A	N/A	N/A	416	0.00001749401579	AASF
AASF	PAINT CAN	PGG Aerospace	02-Y-040A	N/A	28.5	N/A	N/A	N/A	N/A	N/A	960	0.0008919131485	AASF
HANGER	PAINT CAN	sandstrom	VV-P-236	9150-01-260-2534	PRODUCT NOT FOUND ONLINE	N/A	N/A	N/A	N/A	N/A	48	PRODUCT NOT FOUND ONLINE	HANGER
HANGER	TECH PETROLATUM	Penreco		N/A	PRODUCT NOT FOUND ONLINE	N/A	N/A	N/A	N/A	N/A	256	PRODUCT NOT FOUND ONLINE	HANGER
HANGER	PAINT WASHER GUN	Herkules	N/A	N/A	PRODUCT NOT FOUND ONLINE	N/A	N/A	N/A	N/A	N/A	N/A	PRODUCT NOT FOUND ONLINE	HANGER
											Total:	0.0807195818	

Table LI2

Air Emission Source Survey

Parts Washer/ Solvent/Rattle Cans

Date: 8/2/2017

Surveyors: Bill McBride, Hannah Buckley, and Hunter Davis

Armory Name: Lodi

Armorer: Frank Martinez

Location	Emission Source Name	Make	Model	Serial Number	VOC content (%) or (g/liter)	Type of Solvent Used	Amount of Solvent/ Cans Used in Year	Hot or Cold Parts Washer	Open Area of parts washer (tape measure)	NSN Number	Number of Cans in Cabinet (oz)	Notes	VOC Emissions (Tons/yr)
MVSB 1	Rattle Can	Rustoleum	Satin Protective Enamel	H56011	65.00%	N/A	N/A	N/A	N/A	N/A	24		0.0005453911037
MVSB 1	Rattle Can	Krylon	Metallic Enamel	A1454	61.00%	N/A	N/A	N/A	N/A	N/A	72		0.001636173311
MVSB 1	Pain Can	Interlux	Brightside	4250	420 g/L	N/A	N/A	N/A	N/A	N/A	320		0.004379813835
MVSB 1	Parts Washer	BAC Build All Corporation	DM 32	89312871	800 g/L	Safety-Kleen Premium Solvent	N/A	Cold	32L x 22W x 10H	N/A	N/A		0.33
												Total:	0.3365613782

Table MN2

Air Emission Source Survey

Parts Washer/Solvent/Rattle Cans

Date: 6/26/2017
Surveyors: Bill McBride, Hannah Buckley, Hunter Davis
Armory Name: Morristown
Armorer: Collin Thomas

Location	Emission Source Name	Make	Model	Serial Number	VOC content (%) or (g/liter)	Type of Solvent Used	Amount of Solvent/Cans Used in Year	Hot or Cold Parts Washer	Open Area of parts washer (tape measure)	NSN Number	Amount in Cabinet (oz)	VOC Emissions (tons/yr)	Notes
ARMORY ROOM 123	PAINT CAN	Duron	White Base	COROB SW-10000	89 g/L	N/A	Unknown	N/A	N/A	Unknown	1536	0.03558652	
ARMORY ROOM 123	PAINT CAN	Muralo	Superfinish White base	5280704921	150 g/l	N/A	Unknown	N/A	N/A	Unknown	512	0.019992427	
ARMORY ROOM 123	PAINT CAN	Benjamin Moore & Co.	Bone White	28603	250 g/L	N/A	Unknown	N/A	N/A	Unknown	1280	0.08330178	
ARMORY ROOM 100	RATTLECAN	Skilcraft	Stencil Marking Ink	7510-00-469-7910	555 g/L	N/A	Unknown	N/A	N/A	Unknown	24	0.003467437	
ARMORY ROOM 100	RATTLECAN	Rustoleum	Multi Purpose Paint	1976 FLAT BLACK	60.00%	N/A	Unknown	N/A	N/A	Unknown	24	0.00045	
												Total VOC Emissions (tons/yr)	0.142798164

Table MY2

Air Emission Source Survey

Parts Washer/ Solvent/Rattle Cans

Date: 6/29/2017

Surveyors: Devin Walker, Rosalie Hood, Jonathan McKinnon

Facility Name: Mount Holly

Armorer: Nick Torres

Location	Emission Source Name	Make	Model	Serial Number	VOC content (%) or (g/liter)	Type of Solvent Used	Amount of Solvent/Cans Used in Year	Hot or Cold Parts Washer	Open Area of parts washer (tape measure)	NSN Number	Number of Cans in Cabinet	Notes	Emissions (Tons/yr)
ARMORY	PARTS WASHER	SmartWasher	SW-23A028181	N/A	N/A	OzzyMat	N/A	HOT	N/A	N/A	N/A		0

Table NK2

Air Emission Source Survey

Parts Washer/Solvent/Rattle Cans

Date: 7/27/2017
Surveyors: Chuck Appleby, Rosalie Hood, Jon Mikinnon, Hannah Buckley, and Hunter Davis
Armory Name: Newark
Armorer: Jamie Simon

Location	Emission Source Name	Make	Model	Serial Number	VOC content (%) or (g/liter)	Type of Solvent Used	Amount of Solvent Used in Year (oz)	Hot or Cold Parts Washer	Open Area of parts washer (tape measure)	VOC Emissions (tons/yr)
PAINT	PAINT	N/A	N/A	N/A	449.3491 g/L	3.758 liters	2560	old needs to be disposed	N/A	0.037228402
PAINT	PAINT	Dunham's	STONE GRAY	N/A	149.783 g/L	voc 1.25 lbs	126	N/A	N/A	1.310598622
PAINT	PAINT	ACE	CONSTRUCTION ADHESIVE	N/A	359.0000 g/L	N/A	512	N/A	N/A	0.005989916825
PAINT	PAINT	Sherman Williams	CASHMERE	6504-13859	50 g/L	N/A	896	N/A	N/A	0.001459937945
PAINT	PAINT	Dunham's		SAFETY YELLOW	383.445 g/L	N/A	1280	N/A	N/A	0.001499480103
									Total:	1.356776359

Table OU2

Air Emission Source Survey

Parts Washer/Solvent/Rattle Cans

Date: 8/8/2017

Surveyors: Devin Walker, Rosalie Hood, Jon Mckinnon

Armory Name: Old Utes

Armorer: Sam Delpidio

Location	Emission Source Name	Make	Model	Serial Number	VOC content (%) or (g/liter)	Type of Solvent Used	Amount of Solvent/Cans Used in Year	Hot or Cold Parts Washer	Open Area of parts washer (tape measure)	NSN Number	Number of Cans in Cabinet	Notes	Emissions (tons/yr)
FMS	*Spray Paint*	*Sherman Williams*	*Green*		*10%*								
FMS	*Parts Washer*	*Walker Special*	*1*	*12*	*2%*	*Mineral Spirits*	*100 gal*	*Cold*	*10x12*				0.33
	rattle can	skilcraft eco sure	a-a-2787 type 1	9235420362	65.00%						84	idustrial enamel paint	0.001431651647
	rattle can	skilcraft eco sure	flat black 37038	9235420454	60.00%						48	idustrial enamel paint	0.0008180866555
	rattle can	skilcraft so sure	black 37038	9235420553	60.00%						24	acrylic lacquer	0.0004090433278
	rattle can	skilcraft eco sure	desert tan	8010015025538	557 g/l						24	idustrial enamel paint	0.0004356350546
												Total:	0.3330944167

Table PN2

Air Emission Source Survey

Parts Washer/ Solvent/Rattle Cans

Date: 7/12/2017
Surveyors: Anjelica McMahone, Rosalie Hood and Jon Mckinnon
Armory Name: Princeton Warehouse
Armorer: Sam DelPidio

Location	Emission Source Name	Make	Model	Serial Number	VOC content (%) or (g/liter)	Type of Solvent Used	Amount of Solvent/Cans Used in Year	Hot or Cold Parts Washer	Open Area of parts washer (tape measure)	NSN Number	Number of Cans in Cabinet
WAREHOUSE	Gloss Protective Enamel	Rust-Oleum	250704 GLS LOBSTER RED	20066189563	65%	N/A	Unknown	N/A	N/A	N/A	N/A
WAREHOUSE	High Performance	Rust-Oleum	7543 SAFETY YELLOW	20066754389	65%	N/A	Unknown	N/A	N/A	N/A	N/A
WAREHOUSE	AG/C&CE Yellow Paint	Jon Deere	TY25641	N/A	65%	N/A	Unknown	N/A	N/A	N/A	N/A
WAREHOUSE	AG/C&CE Green Paint	Jon Deere	TY25624	N/A	65%	N/A	Unknown	N/A	N/A	N/A	N/A
WAREHOUSE/ STATE POLICE	Laquer (Aresol)	So-Sure	BLUE 15102	N/A	81%	N/A	Unknown	N/A	N/A	N/A	N/A
WAREHOUSE/ STATE POLICE	Alkyd Lusterless Enamel (Aresol)	So-Sure	BROWN 30372	TT-E-527	57%	N/A	Unknown	N/A	N/A	N/A	N/A

Table PY2

Air Emission Source Survey

Parts Washer/Solvent/Rattle Cans

Date: 6/19/2017

Surveyors: Bill McBride, Hannah Buckley, Hunter Davis

Armory Name: Picatinny

Armorer: Charles Rissmiller

Location	Emission Source Name	Make	Model	Serial Number	VOC content (%) or (g/liter)	Type of Solvent Used	Amount of Solvent Used in Year	Hot or Cold Parts Washer	Open Area of parts washer (tape measure)	NSN Number	Amount in Cabinet (oz)	VOC Emissions (tons/yr)	Notes
FMS	RATTLE CAN	Skilcraft	12197	Unknown	65.00%	NA	Unknown	NA	NA	Unknown	65	0.001320313	Unknown
FMS	RATTLE CAN	Skilcraft	17178	Unknown	539.219 g/L	NA	Unknown	NA	NA	Unknown	1014	0.001188	0.002508313
												Total VOC Emissions (tons/yr)	0.002508313

Table RE2

Air Emission Source Survey

Parts Washer/Solvent/Rattle Cans

Date: 6/28/2017
Surveyors: Sarah Helble, Hannah Buckley, Hunter Davis
Armory Name: Riverdale
Armorer: Charles Rissmiller

Location	Emission Source Name	Make	Model	Serial Number	VOC content (%) or (g/liter)	Type of Solvent Used	Amount of Solvent/Cans Used in Year	Hot or Cold Parts Washer	Open Area of parts washer (tape measure)	NSN Number	Amount in Cabinet (oz)	VOC Emissions (tons/yr)	Notes
ARMORY 106	Paint Can	INSL-X	Traffic Paint	TP-2210	100 g/L	N/A	N/A	N/A	N/A	N/A	768	0.020461	
ARMORY 106	Paint Can	Traffic and Zone Marking Paint	Handicapped Blue	Z90 L 812	86 g/L	N/A	N/A	N/A	N/A	N/A	256	0.005731162	
ARMORY 106	Paint Can	Sherwin Williams	Industrial Enamel	B54TZ404	316 g/L	N/A	N/A	N/A	N/A	N/A	512	0.04211738	
ARMORY 106	Paint Can	Sherwin Williams	Superpaint	6503-68376	59 g/L	N/A	N/A	N/A	N/A	N/A	2944	0.045216206	
											Total VOC Emissions (tons/yr)		**0.113525748**

Table SS2

Air Emission Source Survey

Parts Washer/Solvent/Rattle Cans

Date: 7/12/2017

Surveyors: Bill McBride, Anjelica McMahon, Devin Walker, Hannah Buckley, Rosalie Hood, Jon Mckinnon and Hunter Davis.

Facility Name: Somerset Armory

Armorer: Llewelyn Charles

Location	Emission Source Name	Make	Model	Serial Number	VOC content (%) or (g/liter)	Type of Solvent Used	Amount of Solvent/ Cans Used in Year	Hot or Cold Parts Washer	Open Area of parts washer (tape measure)	NSN Number	Number of Cans in Cabinet (oz)	Notes	Emissions (Tons/yr)
FMS-9	Rattle Cans	Skilcraft	So-sure	A-A-1801	517g/L	N/A	N/A	N/A	N/A	N/A	396		0.00667179
FMS-9	Rattle Cans	Skilcraft	Eco sure	13655	65.00%	N/A	N/A	N/A	N/A	N/A	72		0.00122713
FMS-1	Parts Washer	Cuda	H20-2216	1004134	N/A	Biodegradeable detergent	N/A	Hot	32x28x6	N/A	N/A	out of order/not used	0.00000000
												Total:	0.00789892

Table ST2

Air Emission Source Survey

Parts Washer/ Solvent/Rattle Cans

Date: 5/23/2017
Surveyors: Bill, Devin, Rose, Jon, Hunter, Hannah
Facility Name: Sea Girt
Armorer: Joseph Landree

Location	Emission Source Name	Make	Model	Serial Number	VOC content (%) or (g/liter)	Type of Solvent Used	Amount of Solvent/Cans Used in Year	Hot or Cold Parts Washer	Open Area of parts washer (tape measure)	NSN Number	Number of Cans in Cabinet	Emissions (tons/yr)
FMS	*Spray Paint*	*Sherman Williams*	*Green*	*N/A*	*10%*	*N/A*	*N/A*	*N/A*	*N/A*	*N/A*	*N/A*	*N/A*
FMS	*Parts Washer*	*Walker Special*	*1*	*12*	*2%*	*Mineral Spirits*	*100 gal*	*Cold*	*10x12*	*N/A*	*N/A*	0.33000
FMS	*PARTS WASHER*	*Inland Technology*	*TT48M6*	*100650692*		*Breakthrough*	*N/A*	*COLD*	*48L 28W 5D*	*N/A*	*N/A*	0.33000
FMS	STAIN	Sherman-Williams	SUPERDECK	SD7T54	78 g/L	N/A	*N/A*	N/A	N/A	N/A	1280	0.00325
FMS	PAINT	Sherman-Williams	SUPERPAINT	A89W153	50 g/L	N/A	*N/A*	N/A	N/A	N/A	1280	0.00209
FMS	JOINT COMPOUND	Sheetrock	ALL PURPOSE	8109920458	2 g/L	N/A	*N/A*	N/A	N/A	N/A	1728	0.00011
FMS	STAIN	Wolman	RAINCOAT	3777212336	350 g/L	N/A	*N/A*	N/A	N/A	N/A	512	0.00584
BUILDINGB66	SKILCRAFT	SO SURE	2408	N/A	468 g/l	N/A	*N/A*	N/A	N/A	N/A	73.5	0.00112
BUILDINGB66	PAINT	Bher	5853	N/A	50 g/L	N/A	*N/A*	N/A	N/A	N/A	192	0.00031
BUILDINGB66	PAINT	Bher	5853	N/A	100 g/L	N/A	*N/A*	N/A	N/A	N/A	192	0.00063
BUILDINGB66	GLOSS	Siperstein's	2502	N/A		N/A	*N/A*	N/A	N/A	N/A	768	
BUILDINGB66	RUST NUTRALIZR	LOCTIE	EXTEND	N/A	110 g/L	N/A	*N/A*	N/A	N/A	N/A	128	0.00046
BUILDINGB66	PAINT	SprayPak	1280A3	N/A	65.00%	N/A	*N/A*	N/A	N/A	N/A	61.5	0.00105
bldg59	*Spray Paint*	*rustoleum*	*industrial choice*	*2006611264*	66%	N/A	*N/A*	N/A	N/A	N/A	85	0.00145
bldg59	*Spray Paint*	*rustoleum*	*satin*	*2006677938*	65%	N/A	*N/A*	N/A	N/A	N/A	36	0.00061
bldg59	*Spray Paint*	*rustoleum*	*gloss*	*2006677248*	66%	N/A	*N/A*	N/A	N/A	N/A	12	0.00020
bldg59	*Spray Paint*	*rustoleum*	*slate blue*	*2006615723*	65%	N/A	*N/A*	N/A	N/A	N/A	12	0.00020
bldg59	spray paint	sherwin williams	controls rust	2450440250	43.75%	N/A	*N/A*	N/A	N/A	N/A	12	0.00020
bldg59	spray paint	aervoe	paint	8819300796	66%	N/A	*N/A*	N/A	N/A	N/A	18	0.00031
bidg59	pipe cement	hercules	clear pvc	3262860015	491 g/L	16oz	144	N/A	N/A	N/A		0.00230
bldg59	pipe cement	hercules	clear pvc	3262860013	510 g/L	16oz	24	N/A	N/A	N/A		0.00040
bldg59	paint cleaner	jasco	oderless mineral spirits	2645200140	780.0000g/L	1gallon	128	N/A	N/A	N/A	N/A	0.00325
bldg60door7	spray paint	skilcraft	eco-sure enemel	8010-01-331-6115	4.67lb/gal	N/A	N/A	N/A	N/A	N/A	231	7.23298
bldg 59	paint can	Sherwin Williams	Pro Industrial	3577746730	89 g/L	N/A	N/A	N/A	N/A	N/A	128	0.00037
bldg 59	paint can	Sherwin Williams	Superpaint	3577704260	50 g/L	N/A	N/A	N/A	N/A	N/A	5632	0.00918
bldg 59	paint can	Behr Premium	Concrete and garage floor paint	8247490201	50 g/L	N/A	N/A	N/A	N/A	N/A	512	0.00083
bldg 59	paint can	Sherwin Williams	SuperDeck	3577735514	95 g/L	N/A	N/A	N/A	N/A	N/A	1920	0.00594
bldg 59	rattlecan	Minwax	fast drying polyurethane	2742633060	350 g/L	N/A	N/A	N/A	N/A	N/A	11.5	0.00014
bldg 59	rattlecan	rust-oleum	satin	2006677938	65.00%	N/A	N/A	N/A	N/A	N/A	60	0.00102
bldg 59	rattlecan	quick color	spray enamel	2006628518	563.0000 g/L	N/A	N/A	N/A	N/A	N/A	20	0.00037
bldg 59	rattlecan	NAPA	chain and cable lube	6776629517	20%	N/A	N/A	N/A	N/A	N/A	12.75	0.00022
bldg 59	rattlecan	krylon	industrial line up	7557708305	94.0000 g/L	N/A	N/A	N/A	N/A	N/A	108	0.00033
bldg 59	rattlecan	rust-oleum	Inverted marking/stripping paint	2006600349	66.00%	N/A	N/A	N/A	N/A	N/A	72	0.00123
bldg 59	paint can	Oatey	Purple Primer	38753307589	505 g/L	N/A	N/A	N/A	N/A	N/A	320	0.00527
bldg 59	paint can	Oatey	Medium Clear PVC Cement	3875331020	484 g/L	N/A	N/A	N/A	N/A	N/A	64	0.00101
bldg 59	paint can	Carlon	Quick-set cement	3448106977	423 g/L	N/A	N/A	N/A	N/A	N/A	32	0.00044
bldg 59	paint can	Armaflex	520 Adhesive	301411121	596 g/L	N/A	N/A	N/A	N/A	N/A	64	0.00124
bldg 59	paint can	Klean-Strip	Safer Paint Thinner	3019275012	30%	N/A	N/A	N/A	N/A	N/A	120	0.00205
bldg 59	paint can	Parks	Denatured Alcohol	7595521230	790.0000 g/L	N/A	N/A	N/A	N/A	N/A	128	0.00330
bldg 60 door 7	rattlecan	Skilcraft	Industrial Enamel Paint	8010-01-331-6113	60.00%	N/A	N/A	N/A	N/A	N/A	110	0.00187
bldg 60 door 7	rattlecan	Skilcraft	Eco-Sure Industrial Enamel Paint	8010013316109	540 g/L	N/A	N/A	N/A	N/A	N/A	253	0.00445
BLDG 66	PAINT CAN	Minwax	Wood Finish Golden Oak 210B	N/A	550 g/liter	N/A	N/A	N/A	N/A	N/A	160	0.00287
BLDG 66	PAINT CAN	Minwax	Wood Finish Red Mahogany 225	N/A	250 g/liter	N/A	N/A	N/A	N/A	N/A	128	0.00443
BLDG 66	Paint Thinner	Crown	Mineral Spirits	2385773741	771 g/liter	N/A	N/A	N/A	N/A	N/A	365	0.00564
BLDG 66	RATTLECAN	Rust-oleum	7769 Rusty Metal Primer	2006677698	421.0000 g/L	N/A	N/A	N/A	N/A	N/A	168	0.00230
BLDG 66	RATTLECAN	nybco	10006 Walnut Color Touch Spray Enamel	1113810006	65.00%	N/A	N/A	N/A	N/A	N/A	44	0.00075
											Total:	**7.97203**

Table TK2

Air Emission Source Survey

Parts Washer/ Solvent/Rattle Cans

Date: 8/8/2018
Surveyors: Devin Walker, Rosalie Hood, and Jon Mckinnon
Armory Name: Teaneck
Armorer: Wendell Laws

Location	Emission Source Name	Make	Model	Serial Number	VOC content (%) or (g/liter)	Type of Solvent Used	Amount of Solvent Used in Year	Hot or Cold Parts Washer	Open Area of parts washer (tape measure)	NSN Number	Emissions (tons/yr)
FMS	*Spray Paint*	*Sherman Williams*	*Green*		*10%*					N/A	
FMS	*Parts Washer*	*Walker Special*	*1*	*12*	*2%*	*Mineral Spirits*	*100 gal*	*Cold*	*10x12 (120 in2, . 83333 ft2*	N/A	0.33000
OMS	SPRAY CANS	SPRAY CANS	SO-SURE	PENETRATING FLUID 0-P-1731,6850009739091	VOC 7%		1080		CARBOARD BOXES	N/A	0.01841
OMS	SPRAY CANS	SPRAY CANS	SKILCRAFT, Black	8010015025538	VOC 557 G/L		576		CARBOARD BOXES	N/A	0.01046
OMS	SPRAY CANS	SPRAY CANS	SKILCRAFT		VOC 65%		624		CARBOARD BOXES	N/A	0.01064
										Total:	0.36950

Table TR2

Air Emission Source Survey

Parts Washer/ Solvent/Rattle Cans

Date: 7/11/2017

Surveyors: Devin Walker, Rosalie Hood, Jonathan McKinnon

Armory Name: Toms River

Armorer: Mike Reeves

Location	Emission Source Name	Make	Model	Serial Number	VOC content (%) or (g/liter)	Type of Solvent Used	Amount of Solvent/Cans Used in Year	Hot or Cold Parts Washer	Open Area of parts washer (tape measure)	NSN Number	Number of Cans in Cabinet	Notes	VOC Emissions (tons/yr)
ARMORY	PAINT	MAB	281941	N/A	251.635 g/L	N/A	N/A	N/A	N/A	N/A	512	N/A	0.004199
ARMORY	PAINT	Muralo	166	N/A	339.1088 g/L	N/A	N/A	N/A	N/A	N/A	256	N/A	0.002829
ARMORY	PAINT	Duron	BLACK	N/A	383.445 g/L	N/A	N/A	N/A	N/A	N/A	256	N/A	0.006398
ARMORY	PAINT	Muralo	492	N/A	149.783 g/L	N/A	N/A	N/A	N/A	N/A	128	N/A	0.000625
FMS	PAINT	So Sure	a-a-1801	N/A	517.6502 g/L	N/A	N/A	N/A	N/A	N/A	352	N/A	0.005938
FMS	PAINT	So Sure	8010-01-331-6107	N/A	552.3998 g/L	N/A	N/A	N/A	N/A	N/A	110	N/A	0.001980
		RUST O LEUM	60	N/A		N/A	N/A	N/A	N/A	N/A	100	N/A	N/A
												Total:	0.021968

Table TU2

Air Emission Source Survey

Parts Washer/Solvent/Rattle Cans

Date: 6/26/2017

Surveyors: Chuck Appleby, Rosalie Hood, Jonathan McKinnon

Armory Name: Lynne Gutierrez

Armorer:

Location	Emission Source Name	Make	Model	Serial Number	VOC content (%) or (g/liter)	Type of Solvent Used	Amount of Solvent/Cans Used in Year	Hot or Cold Parts Washer	Open Area of parts washer (tape measure)	NSN Number	Number of Cans in Cabinet	Notes
N/A												

Table VD2

Air Emission Source Survey

Parts Washer/Solvent/Rattle Cans

Date: 5/11/2017

Surveyors: Bill McBride, Anjelica McMahon, Devin Walker, Hannah Buckley, Rosalie Hood, Jon Mckinnon and Hunter Davis

Facility Name: Vineland

Armorer: Phillip Fiore

Location	Emission Source Name	Make	Model	Serial Number	VOC content (%) or (g/liter)	Type of Solvent Used	Amount of Solvent/ Cans Used in Year	Hot or Cold Parts Washer	Open Area of parts washer (tape measure)	NSN number	Number of Cans in cabinet	VOC Emissions (tons/yr)
FMS	PARTS WASHER	Inland Technology	IT-15DM3	100753280	N/A	Smart Washer	640	COLD	15 x 21 x 3	N/A	N/A	0.33
FMS	CLEANING COMPOUND	Nexeo Solutions	Arpolsolv 680 Type II	6850-01-474-2317	767.0000 g/L	N/A	N/A	N/A	N/A	N/A	1920	0.04799024587
FMS	RATTLECAN	Skilcraft	Flat Brown 30277	N/A	517 g/L	N/A	144	N/A	N/A	N/A	66	0.001111964343
FMS	RATTLECAN	Sandstrom	Lubricant Solid Film	9150-01-260-2534	606.32 g/L	N/A	144	N/A	N/A	N/A	88	0.001738765236
FMS	RATTLECAN	Skilcraft	Black 37038	8010-00-948-7388	60%	N/A	N/A	N/A	N/A	N/A	44	0.0007499127676
FMS	RATTLECAN	Valspar Project Source	282253	N/A	N/A	N/A	N/A	N/A	N/A	N/A	50	
FMS	RATTLECAN	Skilcraft	Break Parts Cleaner	6850-01-167-0678	45%	N/A	N/A	N/A	N/A	N/A	528	0.008998953211
FMS	RATTLECAN	Skilcraft	Refresh Floral	N/A	20%	N/A	N/A	N/A	N/A	N/A	99	0.001687303727
FMS	RATTLECAN	Skilcraft	Meter Mist Mandarin Orange	6840-01-459-8263	223 g/L	N/A	N/A	N/A	N/A	N/A	176	0.001279009921
FMS	RATTLECAN	Star Brite	Coating Electrical	N/A	586 g/L	N/A	N/A	N/A	N/A	N/A	22	0.000420123214
											Total:	0.01238539007

Table WD2

Air Emission Source Survey

Parts Washer/Solvent/Rattle Cans

Date: 7/11/2017

Surveyors: Abbie Zorn, Hannah Buckley, Hunter Davis

Facility Name: Westefield

Armorer: Frank Martinez

Location	Emission Source Name	Make	Model	Serial Number	VOC content (%) or (g/liter)	Type of Solvent Used	Amount of Solvent/Cans Used in Year	Hot or Cold Parts Washer	Open Area of parts washer (tape measure)	NSN Number	Amount in Cabinet (oz)	VOC Emissions (tons/yr)	Notes
ARMORY 128	RATTLE CAN	Skilcraft	Gloss Yellow	8010-01-331-6114	65.00%	N/A	N/A	N/A	N/A	N/A	144	0.002925	
ARMORY 128	RATTLE CAN	Skilcraft	Flat Gray	8010-01-363-3375	510g/L	N/A	N/A	N/A	N/A	N/A	24	0.003186293	
ARMORY 128	PAINT CAN	Dunham's	Stone Gray	14122402	150g/L	N/A	N/A	N/A	N/A	N/A	1024	0.039984854	
ARMORY 128	PAINT CAN	INSL-X	Silver Gray	V440-70	250g/L	N/A	N/A	N/A	N/A	N/A	786	0.051152499	
FMS	PARTS WASHER	Cuda	H2O-2216	1003986	Unknown	Biodegradable detergent	<1 bucket	Hot	32Lx28Wx6.5H	N/A	N/A	0	
												Total	**0.097248646**

Table WE2

Air Emission Source Survey

Parts Washer/Solvent/Rattle Cans

Date: **7/11/2017**

Surveyors: **Abbie Zorn, Hannah Buckley, Hunter Davis**

Facility Name: **Woodbridge**

Armorer: **Frank Martinez**

Location	Emission Source Name	Make	Model	Serial Number	VOC content (%) or (g/liter)	Type of Solvent Used	Amount of Solvent/Cans Used in Year	Hot or Cold Parts Washer	Open Area of parts washer (tape measure)	NSN Number	Number of Cans in Cabinet	Notes
N/A												

Table WN2

Air Emission Source Survey

Parts Washer/ Solvent/Rattle Cans

Date: 6/21/2017

Surveyors: Devin Walker, Rosalie Hood, Jonathan McKinnon

Armory Name: Woodstown

Armorer: Todd Vecchione

Location	Emission Source Name	Make	Model	Serial Number	VOC content (%) or (g/liter)	Type of Solvent Used	Amount of Solvent/Cans Used in Year	Hot or Cold Parts Washer	Open Area of parts washer (tape measure)	NSN Number	Number of Cans in Cabinet (oz)	Notes	VOC Emissions (tons/yr)
ARMORY	PAINT	Behr	7050	N/A	< 5 g/L	N/A	N/A	N/A	N/A	N/A	384		0.0000626
ARMORY	Waterborne Acrylic Dryfall	Sherman William	B42W1	N/A	38.34 g/L	N/A	N/A	N/A	N/A	N/A	1280		0.0015993
ARMORY	PAINT	Duron	white	N/A	88 g/L	N/A	N/A	N/A	N/A	N/A	640		0.0018354
ARMORY	PAINT	MAB	072-3251	N/A	119.93 g/L	N/A	N/A	N/A	N/A	N/A	384		0.0015008
ARMORY	PAINT	MAB	074-0871	N/A	503.271 g/L	N/A	N/A	N/A	N/A	N/A	1408		0.0230920
ARMORY	PAINT	Duron		N/A	148.5848 g/L	N/A	N/A	N/A	N/A	N/A	768		0.0037187
ARMORY	PAINT	MAB	274T130	N/A	316 g/L	N/A	N/A	N/A	N/A	N/A	256		0.0026362
ARMORY		RustOLeum	Florescent	N/A	75.00%	N/A	N/A	N/A	N/A	N/A	154		0.0026247
												Total:	0.0370696

Table WO2

Air Emission Source Survey

Parts Washer/Solvent/Rattle Cans

Date: 7/27/2017

Surveyors: Anjelica McMahon, Devin Walker, Hannah Buckley, Rosalie Hood, Jon Mckinnon and Hunter Davis

Armory Name: West Orange

Armorer: Raul Chacon

Location	Emission Source Name	Make	Model	Serial Number	VOC content (%) or (g/liter)	Type of Solvent Used	Amount of Solvent/Cans Used in Year	Hot or Cold Parts Washer	Open Area of parts washer (tape measure)	NSN Number	Number of Cans in Cabinet (oz)	Notes	VOC Emissions (tons/yr)
ARMORY 112	RATTLE CAN	Sherman Williams	Sherliner Stripping Paint		58%						252		0.004295
ARMORY 112	RATTLE CAN	Skilcraft	So Sure TT-E-527D		60.00%						94.5		0.001611
ARMORY 112	RATTLE CAN	Rustoleum	Industrial Choice Inverted Stripping Paint		66.00%						1088		0.018543
ARMORY 112	PAINT CAN	Sherman Williams	Porch & Floor Enamel		50 g/L						3916.364		0.006381
ARMORY 112	PAINT CAN	Duron	Dura Glad Deep Base		328 g/L						384		0.004105
ARMORY 112	PAINT CAN	Duron	Weather Shield Satin		103 g/L						384		0.001289
ARMORY 201	PAINT CAN	Duron	Duraplex 900		340 g/L						1152		0.012764
												Total:	0.048988

Table WT2

Air Emission Source Survey

Parts Washer/Solvent/Rattle Cans

Date: 6/27/2017

Surveyors: Bill McBride, HanN/Ah Buckley, Hunter Davis

Facility Name: Washington

Armorer: Charles Rissmiller

Location	Emission Source Name	Make	Model	Serial Number	VOC content (%) or (g/liter)	Type of Solvent Used	Amount of Solvent/ Cans Used in Year	Hot or Cold Parts Washer	Open Area of parts washer (tape measure)	NSN Number	Amount in Cabinet (oz)	VOC Emissions (tons/yr)	Notes
FMS 101	RATTLECAN	Skilcraft	EN/Amel Paint	A-A-2787A	540 g/L	N/A	Unknown	N/A	N/A	Unknown	117	0.016447	
FMS 101	RATTLECAN	Rustoleum	Satin	7758	65.00%	N/A	Unknown	N/A	N/A	Unknown	48	0.000975	
FMS 101	RATTLECAN	Skilcraft	So-sure	A-A-1801	517 g/L	N/A	Unknown	N/A	N/A	Unknown	12	0.001615	
												Total:	**0.019037**

Table WY2

Air Emission Source Survey

Parts Washer/Solvent/Rattle Cans

Date: 6/27/2017

Surveyors: Devin Walker, Rosalie Hood, Jonathan McKinnon

Armory Name: Woodbury

Armorer: Sam Delpidio

Location	Emission Source Name	Make	Model	Serial Number	VOC content (%) or (g/liter)	Type of Solvent Used	Amount of Solvent/Cans Used in Year	Hot or Cold Parts Washer	Open Area of parts washer (tape measure)	NSN Number	Number of Cans in Cabinet (oz)	Notes	Emissions (Tons/yr)
ARMORY	PAINT	Duron	122-091411	N/A	36 g/L	N/A	N/A	N/A	N/A	N/A	1408		0.001652
ARMORY	PAINT	MAB	074-9011	N/A	149.78 g/L	N/A	N/A	N/A	N/A	N/A	1408		0.006872
ARMORY	PAINT	Sherman William	6503-68376	N/A	40 g/L	N/A	N/A	N/A	N/A	N/A	3712		0.004839
ARMORY	PAINT	Pratt and Lambert	Z3169	N/A	50 g/L	N/A	N/A	N/A	N/A	N/A	384		0.000626
ARMORY	PAINT	SoSure	A-A-655	N/A	64.00%	N/A	N/A	N/A	N/A	N/A	31		0.000528
ARMORY	PAINT	MAB	274T13	N/A	315.14 g/L	N/A	N/A	N/A	N/A	N/A	768		0.007887
ARMORY	PAINT	Sherman William	6500-47582	N/A	50g/L	N/A	N/A	N/A	n/A	N/A	3840		0.006257
ARMORY	PARTSWASHER	SmartWasher	Model 23	A028180		OZZYMAT		COLD	**SEE WOODSTOWN**	N/A	N/A		0.000000
												Total	0.028661

Table 3

Ozone Depleting Chemicals Survey

Table AY3

Air Emission Source Survey

Ozone Depleting Chemicals Survey

Date: 5/22/2017
Surveyors: Devin Walker, Rosalie Hood, Jonathan McKinnon
Armory Name: Atlantic City
Armorer: Jake Falana

Location	Floor	Room	Emission Source Name	Equipment Type (See Blue Text on Questionnaire)	Make	Model	Serial Number	Refrigerant	Class	GWP Level	Replacement Options	Amount of Refrigerant (lbs/oz)
Armory	1	115	Window AC Unit	Window AC Unit	FEDDERS	A3T12F2AG	BM 886800 0340	R22	Class II	Medium	R290, R407C, or RS-44b	18.5 OZ
Armory	1	118	Window AC Unit	Window AC Unit	HAIER	HW-07CB12	978000550200541	R22	Class II	Medium	R290, R407C, or RS-44b	10 OZ
Armory	1	118	Window AC Unit	Window AC Unit	HAIER	HW07CB12	978000550200673	R22	Class II	Medium	R290, R407C, or RS-44b	10 OZ
Armory	1	118	Window AC Unit	Window AC Unit	HAIER	HW-07CB12	978000550200698	R22	Class II	Medium	R290, R407C, or RS-44b	10 OZ
Armory	1	105	Drinking Fountain	Drinking Fountain	HALSEY TAYLOR	HAC8FSCQ	111128227	R134A	N/A	Medium	R290	3.85 OZ
Armory	2	216	Freezer	Freezer	JORDON COMMERCIAL	BV-4-SC	125942-69	UNKN	N/A	N/A	N/A	N/A
Armory	2	220	Drinking Fountain	Drinking Fountain	ELKAY	EBFSA8 1D	99103604	R134A	N/A	Medium	R290	4 OZ
Armory	2	212	Window AC Unit	Window AC Unit	FRIGIDAIRE	FRA126GT1	KK1460930	R410A	N/A	Medium	R290	18.52 OZ
Armory	2	212	Floor AC Unit	Floor AC Unit	DANBY	DPAC90061	0106030800682	R22	Class II	Medium	R290, R407C, or RS-44b	24.7 OZ
Armory	2	210	Window AC Unit	Window AC Unit	FRIGIDAIRE	FFRE0633S1	KK61927910	R410A	N/A	Medium	R290	13.76 OZ
Armory	2	207	Window AC Unit	Window AC Unit	FRIGIDAIRE	FFRE0633S1	KK61928377	R410A	N/A	Medium	R290	13.76 OZ
Armory	2	204	Window AC Unit	Window AC Unit	FRIGIDAIRE	FFRE0633S1	KK61918831	R410A	N/A	Medium	R290	13.76 OZ
Armory	3	302	Window AC Unit	Window AC Unit	FRIGIDAIRE	FFRE0633S1	KK61928161	R410A	N/A	Medium	R290	13.76 OZ
Armory	3	303	Window AC Unit	Window AC Unit	General Electric	ASV06LBS1	AZ769263	R22	Class II	Medium	R290, R407C, or RS-44b	13.4 OZ
FMS	1	101	Window AC Unit	Window AC Unit	WHITE WESTINGOUSE	AC051H7Z1	AHC217229	R22	Class II	Medium	R290, R407C, or RS-44b	14.75 OZ
Armory	2	201	Drinking Fountain	Drinking Fountain	Drink	Foundation01	123456	R402A	Class II	High	R290	2.34
Armory	1	112	Refrigerator	refrigerator	Traulsen	G20010	T182385C12	R134A	N/A	Medium	R290	16oz
Armory	1	113	Window AC Unit	Window AC Unit	General Electric	AEM06LQW1	DZ567907	R410A	N/A	Medium	R290	12.35
Armory	1	outside/ 117	AC Condeser	AC Condeser	Daikin Industries LTD	RKN24KEVJU	C000309	R410A	N/A	Medium	R290	3.2lbs
Armory	1	outside/ 117	AC Condeser	AC Condeser	Daikin Industries LTD	RKN24KEVJU	C000745	R410A	N/A	Medium	R290	3.2lbs
Armory	1	outside/ 117	AC Condeser	AC Condeser	Trane U.S. Inc	4TTA3060D3000CA	12162RAU4F	R410A	N/A	Medium	R290	8lbs
Armory	1	102	Window AC Unit	Window AC Unit	Frigidaire	FRA106CV1	KK14560324	R410A	N/A	Medium	R290	15.17 oz
Armory	1	106	Window AC Unit	Window AC Unit	Friedrich	CP10C10	LGAK02347	R22	Class II	Medium	R290, R407C, or RS-44b	18.5 oz
Armory	2	219	Portable Air Conditioner	Portable Air Conditioner	Danby	DPAC120068	6763870140	R22	Class II	Medium	R290, R407C, or RS-44b	21.2 oz
Armory	2	215	Refrigerator	Refrigerator	Amana	ABB1924WEW1	K14914745	R134A	N/A	Medium	R290	4.25 oz
Armory	2	214	Window AC Unit	Window AC Unit	Frigidaire	FFRE0633S11	KK61918838	R410A	N/A	Medium	R290	13.76 oz
Armory	2	211	Window AC Unit	Window AC Unit	Frigidaire	FFRE0633S11	KK61918860	R410A	N/A	Medium	R290	13.76 oz
Armory	2	211	Window AC Unit	Window AC Unit	Frigidaire	FFRE0633S11	KK61928113	R410A	N/A	Medium	R290	13.76 oz
Armory	2	208	Window AC Unit	Window AC Unit	Frigidaire	FFRE0633S10	KK54833528	R410A	N/A	Medium	R290	13.76 oz
Armory	2	202	Window AC Unit	Window AC Unit	Haier	HW-07CB12	978991250200256	R22	Class II	Medium	R290, R407C, or RS-44b	10 oz
Armory	1	112	Ice machine	Ice machine	Ice-O-Matic	ICEU22OHA2	11061280014156	R404A	N/A	High	R290	12oz
Armory	1	115	Window AC Unit	Window AC Unit	General Electric	ASV06LBS1	AZ768881	R22	Class II	Medium	R290, R407C, or RS-44b	13.4 oz
Armory	1	115	Window AC Unit	Window AC Unit	General Electric	AEM06LNW1	DZ567901	R410A	N/A	Medium	R290	12.35oz
Armory	1	111	Drinking Fountain	Drinking Fountain	Elkay	AMABF8 1B	111219100	R134A	N/A	Medium	R290	3.65oz
Armory	1	outside/117	AC Condeser	AC Condeser	Daikin	RKN24KEVJU	C000304	R410A	N/A	Medium	R290	3.2LBS
Armory	1	outside/117	AC Condeser	AC Condeser	Daikin	RKN24KEVJU	C000701	R410A	N/A	Medium	R290	3.2LBS
Armory	1	103	Window AC Unit	Window AC Unit	General Electric	AEL06LSQ1	N/A	R410A	N/A	Medium	R290	N/A
Armory	1	107	Window AC Unit	Window AC Unit	Fedders	A3X05F2B	MP267853355X	UNKN	N/A	N/A	N/A	N/A
Armory	2	219	Portable Air Conditioner	Portable Air Conditioner	DANBY	DPAC90061	106030800690	R22	Class II	Medium	R290, R407C, or RS-44b	24.7 OZ
Armory	2	219	Portable Air Conditioner	Portable Air Conditioner	DANBY	DPAC90061-1	106030800684	R22	Class II	Medium	R290, R407C, or RS-44b	24.7 OZ
Armory	2	219	Portable Air Conditioner	Portable Air Conditioner	DANBY	DPAC90061	106030800688	R22	Class II	Medium	R290, R407C, or RS-44b	24.7 OZ
Armory	2	213	Window AC Unit	Window AC Unit	FRIEDRICH	CP06N10	702HAMG03291	R22	Class II	Medium	R290, R407C, or RS-44b	11.8 OZ
Armory	2	211	Mini Fridge	Mini Fridge	General Electric	SMR04DASACS	LH066906	R134A	N/A	Medium	R290	1.8 OZ
Armory	2	209	Window AC Unit	Window AC Unit	ELECTROLUX	FFRE0633S11	KK61928395	R410A	N/A	Medium	R290	13.76OZ
Armory	2	206	Window AC Unit	Window AC Unit	ELECTROLUX	FAA055M7A1	JK31731737	R22	Class II	Medium	R290, R407C, or RS-44b	14.5OZ
Armory	2	200	Window AC Unit	Window AC Unit	FRIEDRICH	CP06N10	702HAKA03653	R22	Class II	Medium	R290, R407C, or RS-44b	11.8OZ
Armory	3	303	Window AC Unit	Window AC Unit	FRIGIDARE	FFRE0633S1	KK61928400	R410A	N/A	Medium	R290	13.76OZ

Summary of Totals	
Class 1'(s)	0
Class 2'(s)	18
Medium-High GWP'(s)	45
Missing Code'(s)	2

GWP Level Index*	
High	Greater than 2500
Medium	150-2500
Low	Less than 150

*Values are from Linde Gas and IPCC 4th Assessment Report, 2007. Global Warming Potential (GWP) based 100 year.

GWP Level Totals**	
High	2
Medium	43
Low	0

**Totals do not reflect the refrigerant units missing codes.

Table BT3

Air Emission Source Survey

Ozone Depleting Chemicals Survey

Date: 7/11/2017
Surveyors: Rosalie Hood, and Jon Mckinnon
Facility Name: Bordentown
Armorer: Sam DelPidio

Location	Floor	Room	Emission Source Name	Equipment Type (See Blue Text on Questionnaire)	Make	Model	Serial Number	Refrigerant	Class	GWP Level	Replacement Options	Amount of Refrigerant (lbs/oz)
ARMORY	1	100	FREEZER	FREEZER	Traulsen	N/A	T169012H11	R404A	N/A	High	R290	15 oz
ARMORY	1	100	REFRIGERATION UNIT	REFRIGERATION UNIT	Traulsen	G20010	T168911H11	R134A	N/A	Medium	R290	16 oz
ARMORY	1	101	ICE MACHINE	ICE MACHINE	Manitowoc	ID0302A-161	1101195874	R404A	N/A	High	R290	15 oz
ARMORY	1	105	AIR CONDITION COMPRESSOR	AIR CONDITION COMPRESSOR	Mitsubishi Electric Mr. Slim	PKA-A12HA4	0YA00309A	R410A	N/A	Medium	R290	N/A
ARMORY	1	122	DRINKING WATER FOUNTAIN	DRINKING WATER FOUNTAIN	Elkay	EDFP217C B	110227236	N/A	N/A	N/A	N/A	N/A
ARMORY	1	OUTSIDE	RTU-4	AIR CONDITION CONDENSER	Trane	THH180F4R0A030EB10006000E000000000000000	141010138D	R410A	N/A	Medium	R290	11.93lbs/7.33lbs
ARMORY	1	OUTSIDE	RTU-3	AIR CONDITION CONDENSER	Trane	THC047E4R0A0BEEB10006000E0000C0000000000	141110997L	R410A	N/A	Medium	R290	10.8 lbs
ARMORY	1	OUTSIDE	RTU-2	AIR CONDITION CONDENSER	Trane	SLHLF2043L00C4CD2011ACC00H00000200M8000#	C14B00658	R410A	N/A	Medium	R290	33.75 lbs
ARMORY	1	OUTSIDE	RTU-1	AIR CONDITION CONDENSER	Trane	TFH211E400AB	110910269D	R410A	N/A	Medium	R290	24.88 lbs/14 lbs
OMS	1	OMS-102	DRINKING WATER FOUNTAIN	DRINKING WATER FOUNTAIN	Elkay	EDFP217C B	140823152	N/A	N/A	N/A	N/A	N/A
OMS	1	OUTSIDE	AIR CONDITION CONDENSER	AIR CONDITION CONDENSER	LG Inverter V	LSU12H1HSV3	406KAJP00116	R410A	N/A	Medium	R290	35.03 OZ
OMS	1	OUTSIDE	AIR CONDITION CONDENSER	AIR CONDITION CONDENSER	Trane	THH180F3R0A030EB10006000E000000000000000	143611227D	R410A	N/A	Medium	R290	11.93lbs/7.33lbs
ARMORY	1	101	CHILLED SERVING COUNTER	CHILLED SERVING COUNTER	Duke	316-25SS-N7 M	8113958	R134A	N/A	Medium	R290	11 oz

Summary of Totals	
Class 1'(s)	0
Class 2'(s)	0
GWP'(s)	11
Missing Code'(s)	2

GWP Level Index*	
High	Greater than 2500
Medium	150-2500
Low	Less than 150

*Values are from Linde Gas and IPCC 4th Assessment Report, 2007. Global Warming Potential (GWP) based 100 year.

GWP Level Totals**	
High	2
Medium	9
Low	0

**Totals do not reflect the refrigerant units missing codes.

Table BN3

Air Emission Source Survey

Ozone Depleting Chemicals Survey

Date: 6/21/2017

Surveyors: Devin Walker, Rosalie Hood, Jonathan McKinnon

Facility Name: Bridgeton

Armorer: Phil Fiore

Location	Floor	Room	Emission Source Name	Equipment Type (See Blue Text on Questionnaire)	Make	Model	Serial Number	Refrigerant	Class	GWP Level	Replacement Options	Amount of Refrigerant (lbs/oz)
Armory	ROOF	N/A	AIR CONDITION	AIR CONDITION	Silent Air	N/A	N/A	N/A	N/A	N/A	N/A	N/A
ARMORY	ROOF	N/A	AIR CONDITION	AIR CONDITION	Silent Air	N/A	N/A	N/A	N/A	N/A	N/A	N/A
ARMORY	ROOF	N/A	AIR CONDITION	AIR CONDITION	TRANE	TCH036A100A	D28159599	R22	Class II	Medium	R290, R407C, or RS-44b	7 lbs 10 oz
ARMORY	ROOF	N/A	AIR CONDITION	AIR CONDITION	TRANE	TCH024A100A	D28159601	R22	Class II	Medium	R290, R407C, or RS-44b	4 lbs 12 oz
ARMORY	ROOF	N/A	AIR CONDITION	AIR CONDITION	TRANE	TCH036A100A	D28159599	R22	Class II	Medium	R290, R407C, or RS-44b	7 lbs 10 oz
FMS	OUTSIDE	N/A	AIR CONDITION	AIR CONDITION	N/A	PA13NR030-J	3012X76224	R22	Class II	Medium	R290, R407C, or RS-44b	4.11 lbs

Summary of Totals	
Class 1'(s)	0
Class 2'(s)	4
GWP'(s)	4
Missing Code'(s)	2

GWP Level Index*	
High	Greater than 2500
Medium	150-2500
Low	Less than 150

*Values are from Linde Gas and IPCC 4th Assessment Report, 2007. Global Warming Potential (GWP) based 100 year.

GWP Level Totals**	
High	0
Medium	4
Low	0

**Totals do not reflect the refrigerant units missing codes.

Ozone Depleting Chemicals Survey

Date: 6/22/2017

Surveyors: Devin Walker, Rosalie Hood, Jonathan McKinnon

Facility Name: Cape May

Armorer: Steve Allay

Location	Floor	Room	Emission Source Name	Equipment Type (See Blue Text on Questionnaire)	Make	Model	Serial Number	Refrigerant	Class	GWP Level	Replacment Options	Amount of Refrigerant (lbs/oz)
FMS	1	100	WATER FOUNTAIN	WATER FOUNTAIN	Sunroc	CSW-4	L24412M	R12	Class 1	High	R290	4.5 oz
FMS	1	101	AIR CONDITION	AIR CONDITION	Americana	A3316ABSDRWW	GS733473	R134A	N/A	Medium	R290	4.12 oz
FMS	1	106	AIR CONDITION	AIR CONDITION	Mitsubishi	MSZ-FH09NA	6013220T	R410A	N/A	Medium	R290	29 lbs
FMS	1		AIR CONDITION	AIR CONDITION	Mitsubishi	MSZ-FH06NA	6005492T	R410A	N/A	Medium	R290	29 lbs
FMS	1	OUTSIDE	AIR CONDITION	AIR CONDITION	Sanyo	CH0921	0033324	R22	Class II	Medium	R290, R407C, or RS-44b	2.84 lbs
FMS	1	OUTSIDE	AIR CONDITION	AIR CONDITION	Sanyo	CH0921	0013523	R22	Class II	Medium	R290, R407C, or RS-44b	2.84 lbs
DTMB	1	BOILER ROOM	RECOVERY UNIT	RECOVERY UNIT	Robinair	17800B	9709	R22 OR R134A	Class II	Medium	R290, R407C, or RS-44b	N/A
ARMORY	1	100	AIR CONDITION	AIR CONDITION	Fredrich	SM20J30-A	LCFR06636	R22	Class II	Medium	R290, R407C, or RS-44b	48 oz
ARMORY	1	102	AIR CONDITION	AIR CONDITION	Fridgidare	A11ME5L2	JK92914822	R22	Class II	Medium	R290, R407C, or RS-44b	29 oz
ARMORY	1	107	AIR CONDITION	AIR CONDITION	Fridgidare	FAC122P1A	IK64714102	R22	Class II	Medium	R290, R407C, or RS-44b	29 oz
ARMORY	1	111	SPLIT UNIT	SPLIT UNIT	Haier	HPAC1200HRD	20040047	R22	Class II	Medium	R290, R407C, or RS-44b	15.7 oz
ARMORY	1	116	AIR CONDITION	AIR CONDITION	Fredrich	SS09J10B-1	LADR14579	R22	Class II	Medium	R290, R407C, or RS-44b	26 oz
ARMORY	1	120	AIR CONDITION	AIR CONDITION	Kenmore	25370186000	1K01526336	R22	Class II	Medium	R290, R407C, or RS-44b	40.5 oz
ARMORY	1	121	AIR CONDITION	AIR CONDITION	Fredrich	CP08E10	LHCK0295	R22	Class II	Medium	R290, R407C, or RS-44b	17.3 oz
ARMORY	1	128	REFRIGERATOR	REFRIGERATOR	Traulsen	G20010	T182377C12	R134A	N/A	Medium	R290	16oz
ARMORY	1	128	REFRIGERATOR	REFRIGERATOR	Traulsen	G10000	T181738C12	R134A	N/A	Medium	R290	21 oz
ARMORY	1	128	REFRIGERATOR	REFRIGERATOR	Traulsen	G12001	T18222C612	R404A	N/A	High	R290	15 oz
ARMORY	1	100B	DRINKING WATER FOUNTAIN	DRINKING WATER FOUNTAIN	Halsey Taylor	S500_5EQ_1M	70732866	R134A	N/A	Medium	R290	3.60 OZ
ARMORY	1	OUTSIDE	AC UNIT	AC UNIT	York	YCJD60S43S3A	W1D1964626	R410A	N/A	Medium	R290	5 LBS 6 OZ
ARMORY	1	128	ICE MACHINE	ICE MACHINE	Ice-O-Matic	ICEU220HA2	106128221410	R404A	N/A	High	R290	12 OZ
ARMORY	1	130	SUNPENTOWN	PORTABLE AC UNIT	Portable Ac Unit	WA-1210E	A0411405	R22	Class II	Medium	R290, R407C, or RS-44b	15.5 OZ

Summary of Totals	
Class 1'(s)	1
Class 2'(s)	10
GWP'(s)	20
Missing Code'(s)	0

GWP Level Index*	
High	Greater than 2500
Medium	150-2500
Low	Less than 150

*Values are from Linde Gas and IPCC 4th Assessment Report, 2007. Global Warming Potential (GWP) based 100 year.

GWP Level Totals**	
High	3
Medium	18
Low	0

**Totals do not reflect the refrigerant units missing codes.

Table CL3

Air Emission Source Survey

Ozone Depleting Chemicals Survey

Date: 6/29/2017
Surveyors: Devin Walker, Rosalie Hood, Jonathan McKinnon
Armory Name: Cherry Hill
Armorer: Ed Torres

Location	Floor	Room	Emission Source Name	Equipment Type (See Blue Text on Questionnaire)	Make	Model	Serial Number	Refrigerant	Class	GWP Level	Replacement Options	Amount of Refrigerant (lbs/oz)
ARMORY	1	117	AIR CONDITION	AIR CONDITION	Sharp	AF-808M6	8103997	R22	Class II	Medium	R290, R407C, or RS-44b	18 oz
ARMORY	1	117	AIR CONDITION	AIR CONDITION	Kenmore	25372175200	JK21335684	R22	Class II	Medium	R290, R407C, or RS-44b	37.5 oz
ARMORY	1	116	ICE MACHINE	ICE MACHINE	Manitowoc	QY0134A	31061545	R404A	N/A	High	R290	8 oz
ARMORY	1	115	AIR CONDITION	AIR CONDITION	Fredrich	SS12J30D-A	LCAR09928	R22	Class II	Medium	R290, R407C, or RS-44b	29 oz
ARMORY	1	120D	AIR CONDITION	AIR CONDITION	Frigidaire	FAA087S7A	IK81981670	R22	Class II	Medium	R290, R407C, or RS-44b	20.46 oz
ARMORY	1	128	DEHUMIDIFIER	DEHUMIDIFIER	Frigidaire	ADER40LPQ1	LV 042898	R410A	N/A	Medium	R290	6.7 oz
ARMORY	1	128	DEHUMIDIFIER	DEHUMIDIFIER	Frigidaire	ED257S1	ERL14053	R12	Class I	High	R290	N/A
ARMORY	1	125	AIR CONDITION	AIR CONDITION	Movin Cool	15SFU-1	03080012C18	R22	Class II	Medium	R290, R407C, or RS-44b	1.65 lbs
ARMORY	1	125	AIR CONDITION	AIR CONDITION	Movin Cool	15SFU-1	02070016	R22	Class II	Medium	R290, R407C, or RS-44b	1.65 lbs
ARMORY	1	125	DEHUMIDIFIER	DEHUMIDIFIER	Pelonis	MPC-08ER	N/A	R22	Class II	Medium	R290, R407C, or RS-44b	N/A
ARMORY	1	101	REFRIGERATOR	REFRIGERATOR	Traulsen	G12010	T73481H14	R404A	N/A	High	R290	425.24g
ARMORY	1	101	REFRIGERATOR	REFRIGERATOR	Traulsen	G20012	T56004J03	R134A	N/A	Medium	R290	13 oz
ARMORY	1	101	REFRIGERATOR	REFRIGERATOR	Delfield	N/A	N/A	N/A	N/A	N/A	N/A	N/A
ARMORY	1	102-04	ICE MACHINE	ICE MACHINE	IceOMatic	ICEU150FA5	12121280012610	R404A	N/A	High	R290	12 oz
ARMORY	1	120D	WATER FOUNTAIN	WATER FOUNTAIN	Halsey Taylor	HTV8Q1A	60816144	R134A	N/A	Medium	R290	3.8 oz
ARMORY	1	134	AIR CONDITION	AIR CONDITION	General Electric	AEW05LPG1	352121	N/A	N/A	N/A	N/A	N/A
ARMORY	1	172	AIR CONDITION	AIR CONDITION	Fredrich	CP06E10	LGMK04359	R22	Class II	Medium	R290, R407C, or RS-44b	10.1 oz
ARMORY	1	136	AIR CONDITION	AIR CONDITION	Frigidaire	FRA106CV1	KK14560395	R404A	N/A	High	R290	15.17 oz
ARMORY	1	138	DEHUMIDIFIER	DEHUMIDIFIER	Wood's	GDC124CS	15346891JP	R22	Class II	Medium	R290, R407C, or RS-44b	334 g
ARMORY	1	146	AIR CONDITION	AIR CONDITION	Fedders	N/A	ER 234862 139Y	N/A	N/A	N/A	N/A	N/A
ARMORY	1	O5	AIR CONDITION	AIR CONDITION	General Electric	AEL06LSQ1	GD447286	R410A	N/A	Medium	R290	12.7 oz
ARMORY	1	O6	AIR CONDITION	AIR CONDITION	Kenmore	235.70062	KK0117088	R410A	N/A	Medium	R290	11.29 oz
ARMORY	1	O7	AIR CONDITION	AIR CONDITION	Fredrich	CP05N10	LGMK00347	R22	Class II	Medium	R290, R407C, or RS-44b	7.2 oz
ARMORY	1	OUTSIDE	AIR CONDITION	AIR CONDITION	Trane	C17B01119	SEHLF30EDRNFE5CE9011A CCE00J0AMN2T0M8600#	R410A	N/A	Medium	R290	32.5 lbs
ARMORY	1	OUTSIDE	AIR CONDITION	AIR CONDITION	Trane	C17B01118	SEHLF30EDRNFE5CE9011A CCE00J0AMN2T0M8600#	R410A	N/A	Medium	R290	32.5 lbs
ARMORY	1	114.5	AIR CONDITION	AIR CONDITION	Sharp	AF-808M7	8103998	R22	Class II	Medium	R290, R407C, or RS-44b	19 oz

Summary of Totals	
Class 1'(s)	1
Class 2'(s)	10
GWP'(s)	22
Missing Code'(s)	3

GWP Level Index*	
High	Greater than 2500
Medium	150-2500
Low	Less than 150

*Values are from Linde Gas and IPCC 4th Assessment Report, 2007. Global Warming Potential (GWP) based 100 year.

GWP Level Totals**	
High	5
Medium	17
Low	0

**Totals do not reflect the refrigerant units missing codes.

Table DR3

Air Emission Source Survey

Ozone Depleting Chemicals Survey

Date: 6/22/2017
Surveyors: Bill McBride, Hannah Buckley, Hunter Davis
Armory Name: Dover
Armorer: Charles Rissmiller

Location	Floor	Room	Emission Source Name	Equipment Type (See Blue Text on Questionnaire)	Make	Model	Serial Number	Refrigerant	Class	GWP Level	Replacement Options	Amount of Refrigerant (lbs/oz)
ARMORY	1	104	REFRIGERATOR	REFRIGERATOR	Frigidaire	FRS23H5ASB6	LA30426744	R134A	N/A	Medium	R290	5 oz
ARMORY	1	120	ICE MACHINE	ICE MACHINE	Ice-o-Matic	ICEU220HA2	11061280014364	R404A	N/A	High	R290	12 oz
ARMORY	1	121	REFRIGERATOR	REFRIGERATOR	Koch Refrigerators Inc.	67-65	67-3027	R12	Class I	High	R290	5 lbs
ARMORY	2	200	DRINKING FOUNTAIN	DRINKING FOUNTAIN	Elkay	EBFSA8-1A	960130834	R134A	N/A	Medium	R290	4.8 oz
ARMORY	2	202	WINDOW UNIT	AIR CONDITIONER	Whirlpool	ACM122XJ0	QK1406472	R22	Class II	Medium	R290, R407C, or RS-44b	23.25 oz
ARMORY	2	201	WINDOW UNIT	AIR CONDITIONER	Electrolux	FAC083M7A1	JK24976528	R22	Class II	Medium	R290, R407C, or RS-44b	19.5 oz
ARMORY	2	209	WINDOW UNIT	AIR CONDITIONER	Airtemp	N/A	CR 228885 072Y	N/A	N/A	N/A	N/A	N/A
ARMORY	2	211	WINDOW UNIT	AIR CONDITIONER	Emerson Quiet Kool	5KJ7J-A	83M454222	R22	Class II	Medium	R290, R407C, or RS-44b	10.5 oz
ARMORY	2	208	WINDOW UNIT	AIR CONDITIONER	GE	AGF12AAG1	AF01462	R22	Class II	Medium	R290, R407C, or RS-44b	17.8 oz
ARMORY	2	214	WINDOW UNIT	AIR CONDITIONER	Airtemp	N/A	CR 229024 072Y	N/A	N/A	N/A	N/A	N/A
ARMORY	2	212	WINDOW UNIT	AIR CONDITIONER	Emerson Quiet Kool	12KH1E-A	14F 637342	R22	Class II	Medium	R290, R407C, or RS-44b	28 oz
ARMORY	2	210	WINDOW UNIT	AIR CONDITIONER	Airtemp	N/A	CR 228884 072Y	N/A	N/A	N/A	N/A	N/A
ARMORY	1	104	WINDOW UNIT	AIR CONDITIONER	GE	AGF12AAG1	AF014550	R22	Class II	Medium	R290, R407C, or RS-44b	17.8 oz
FMS	1	101	WINDOW UNIT	AIR CONDITIONER	LG	LWHD8000RY6	3850A21210V	R22	Class II	Medium	R290, R407C, or RS-44b	13.6 oz
FMS	1	102	WINDOW UNIT	AIR CONDITIONER	Friedrich	ES12L33-A	LFER05225	R22	Class II	Medium	R290, R407C, or RS-44b	28 oz
FMS	1	102	WATER COOLER	WATER COOLER	Nestle	SOSW210ESNS	SA15L54414	R134A	N/A	Medium	R290	33 g
FMS	1	103	WATER COOLER	WATER COOLER	Crystal Mountain	STFM2KHK1C	19161420937	R134A	N/A	Medium	R290	32 g
FMS	1	103	WATER COOLER	WATER COOLER	Crystal Mountain	STFM2KHK1C	19161420941	R134A	N/A	Medium	R290	32 g
FMS	1	103	WATER COOLER	WATER COOLER	Nexus	GNB210	LG16F14038	R134A	N/A	Medium	R290	1.2 oz
FMS	1	107	FLOOR UNIT	AIR CONDITIONER	Whynter	ARC-12SDH	14010750	R410A	N/A	Medium	R290	22.9 oz
FMS	1	108	RECOVERY UNIT	RECOVERY UNIT	Robinair	34988NI	434434430	R134A	N/A	Medium	R290	30 lb tank
FMS	1	108	Recycling/Recharging Refrigerant System	Recovery Unit?	Snap-On	ACT 4500	A95100244	R134A	N/A	Medium	R290	15 lb tank
FMS	1	109	WINDOW UNIT	AIR CONDITIONER	Frigidair	FFTH0822G1	KK41445338	R410A	N/A	Medium	R290	13.4 oz
FMS	1	109	REFRIGERATOR	REFRIGERATOR	Electrolux	FRT18IL6DBH	BA60511809	R134A	N/A	Medium	R290	121 g
FMS	1	109	WATER COOLER	WATER COOLER	Nestle	SOSW210ESNS	SA16L66557	R134A	N/A	Medium	R290	33 g
FMS	1	110	WINDOW UNIT	AIR CONDITIONER	Friedrich	EP12G33A	N/A	R410A	N/A	Medium	R290	20.5 oz
FMS	1	112	WINDOW UNIT	AIR CONDITIONER	Frigidair	FAM187S2A	KK84944573	R22	Class II	Medium	R290, R407C, or RS-44b	34.92 oz

Summary of Totals	
Class 1'(s)	1
Class 2'(s)	9
GWP'(s)	24
Missing Code'(s)	3

GWP Level Index*	
High	Greater than 2500
Medium	150-2500
Low	Less than 150

*Values are from Linde Gas and IPCC 4th Assessment Report, 2007. Global Warming Potential (GWP) based 100 year.

GWP Level Totals**	
High	2
Medium	22
Low	0

**Totals do not reflect the refrigerant units missing codes.

Table FL3

Air Emission Source Survey

Ozone Depleting Chemicals Survey

Date: 6/29/2017
Surveyors: Anjelica McMahon, Hannah Buckley, Hunter Davis
Facility Name: Flemington
Armorer: Brett Davala

Location	Floor	Emission Source Name	Room	Equipment Type (See Blue Text on Questionnaire)	Make	Model	Serial Number	Refrigerant	Class	GWP Level	Replacement Options	Amount of Refrigerant (lbs/oz)
ARMORY	1	REFRIGERATOR	108	REFRIGERATOR	Hotpoint	CTXY14CPCRWH	LF7769335	R12	Class I	High	R290	4.375
ARMORY	1	REFRIGERATOR	108	REFRIGERATOR	Traulsen	G20010	T95005E05	R134A	N/A	Medium	R290	13oz
ARMORY	1	ICE MACHINE	108	ICE MACHINE	Manitowoc	QD0272A	310050870	R404A	N/A	High	R290	17oz
ARMORY	1	WATER COOLER	108	WATER COOLER	N/A	F528HB011-NE (VW210EZ)	IE08C04682	R134A	N/A	Medium	R290	37g
ARMORY	1	WATER COOLER	HALL	WATER COOLER	N/A	F323HBD40	IA05B01303	R134A	N/A	Medium	R290	37g
ARMORY	OUTSIDE	AIR CONDITIONER 2	OUTSIDE	AIR CONDITIONER	York	H2RD030S06A	W0E6299662	R22	Class II	Medium	R290, R407C, or RS-44b	5lbs 13oz
ARMORY	ROOF	AIR CONDITIONER 1	ROOF	AIR CONDITIONER	Trane	N/A	N/A	R410A	N/A	Medium	R290	N/A
ARMORY	ROOF	AIR CONDITIONER 3	ROOF	AIR CONDITIONER	Trane	SACB-506-2	163-554-1-E	R22	Class II	Medium	R290, R407C, or RS-44b	N/A
ARMORY	1	WINDOW UNIT	105	AIR CONDITIONER	LG	LP093CD3B	N/A	R410A	N/A	Medium	R290	21.2oz
ARMORY	1	WINDOW UNIT	103	AIR CONDITIONER	LG	LP093CD3B	N/A	R410A	N/A	Medium	R290	21.2oz

Summary of Totals	
Class 1'(s)	1
Class 2'(s)	2
GWP'(s)	10
Missing Code'(s)	0

GWP Level Index*	
High	Greater than 2500
Medium	150-2500
Low	Less than 150

Values are from Linde Gas and IPCC 4th Assessment Report, 2007. Global Warming Potential (GWP) based 100 years

GWP Level Totals**	
High	2
Medium	8
Low	0

**Totals do not reflect the refrigerant units missing codes.

Table FX3

Air Emission Source Survey

Ozone Depleting Chemicals Survey

Date: 7/24/17

Surveyors: Jon, Rose, Devin

Facility Name: Fort Dix

Armorer: Scott Reddler

Location	Floor	Room	Emission Source Name	Equipment Type (See Blue Text on Questionnaire)	Make	Model	Serial Number	Refrigerant	Class	GWP Level	Replacement Options	Amount of Refrigerant (lbs/oz)
Building 3601	1	Hallway	WATER COOLER	REFRIGERATION UNIT	AccuPure	F528HB010-EWPN (VWES215)	IE08L02000	R134A	N/A	Medium	R290	1.45 oz
Building 3601	1	Hallway	WATER COOLER	REFRIGERATION UNIT	AccuPure	F528HB010-EWPN (VWES215)	IE08L01982	R134A	N/A	Medium	R290	1.45 oz
Building 3601	1	Hallway	WATER COOLER	REFRIGERATION UNIT	AccuPure	F528HB010-EWPN (VWES215)	IE08L02008	R134A	N/A	Medium	R290	1.45 oz
Building 3601	1	OUTSIDE	AIR CONDITIONER	AIR CONDITIONING UNIT	Daikin Industries	REMQ120PBYD	A003170	R410A	N/A	Medium	R290	20.1 lbs
Building 3601	1	Boiler room 2	WATER COOLER	REFRIGERATION UNIT		F323HB040-WBN-RW210	IA05J09771	R134A	N/A	Medium	R290	37 g
Building 3601	1	Boiler room 3	WATER COOLER	REFRIGERATION UNIT	Sparkletts	CRB1 ALMOND	96475410	R134A	N/A	Medium	R290	1.5 oz
Building 3601	1	Boiler room 4	WATER COOLER	REFRIGERATION UNIT	Sunroc	TPV1-001	98080826	R134A	N/A	Medium	R290	1.25 oz
Building 3601	1	Boiler room 5	WATER COOLER	REFRIGERATION UNIT	Sparkletts	BLF1A-D100	9430 418868	R134A	N/A	Medium	R290	1.4 oz
Building 3601	1	Boiler room 6	WATER COOLER	REFRIGERATION UNIT	Sparkletts	BLF1A-P	9216 102728	R12	Class I	High	R290	1 oz
Building 3601	1	203	CHILLED SERVING COUNTER	CHILLED SERVING COUNTER	Bayonne Stainless Products	CPM-60	2702	N/A	N/A	N/A	N/A	N/A
Building 3601	1	206C	REFRIGERATOR	REFRIGERATION UNIT	Traulsen	G10010	T74628H14	R134A	N/A	Medium	R290	21 oz
Building 3601	1	206B	REFRIGERATOR	REFRIGERATION UNIT	Whirlpool	WRT314TFDB00	VS43494504	R134A	N/A	Medium	R290	4.44 oz
Building 3601	1	206C	CONTINENTAL REFRIGERATOR	REFRIGERATION UNIT	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Building 3601	1		AC WALL SPLIT UNIT	AIR CONDITIONING UNIT	Fujitsu	ASU12CQ	BDA010152		N/A	N/A	N/A	N/A
Building 3601	1	206B	REFRIGERATOR	REFRIGERATION UNIT	Kenmore	363.785929	L914 60687	R134A	N/A	Medium	R290	5 oz
Building 3601	1	215	WINDOW UNIT	AIR CONDITIONING UNIT	Electrolux	FRT18B4AW4	BA20420852	R134A	N/A	Medium	R290	4.50 oz
Building 3601	1	217	AC UNIT	AIR CONDITIONING UNIT	School Air	SACC-634-HPA	8907SA1303-6899	R407C	N/A	Medium	R290	13 lbs
Building 3601	1	206B	REFRIGERATOR	REFRIGERATION UNIT	Electrolux	FRT21S6JW3	4A83710354	R134A	N/A	Medium	R290	4.25 oz
Building 3601	1	206B	REFRIGERATOR	REFRIGERATION UNIT	Traulsen	TRRI 2-32LUTO	211292 BG	R12	Class I	High	R290	21 oz
Building 3601	1	206B	ICE MACHINE	ICE MACHINE	Mile High Equipment Co.	ICEU200HA2	J310-15389-Z	R404A	N/A	High	R290	13 oz
Building 3601	1	OUTSIDE	air conditioner	AIR CONDITIONING UNIT	Daikin Industries	REMQ120PBYD	A003147	R410A	N/A	Medium	R290	20.1 lbs
Building 3601	1	OUTSIDE	AIR CONDITIONING UNIT	AIR CONDITIONING UNIT	Mitsubishi Electric	PU24EK 1	003551	R22	Class II	Medium	R290, R407C, or RS-44b	9 lbs 15 oz
Building 3601	1	OUTSIDE	AIR CONDITIONING UNIT	AIR CONDITIONING UNIT	Mitsubishi Electric	PU24EK 1	003553	R22	Class II	Medium	R290, R407C, or RS-44b	9 lbs 15 oz
Building 3601	1	OUTSIDE	AIR CONDITIONING UNIT	AIR CONDITIONING UNIT	Mitsubishi Electric	PU24EK 1	003552	R22	Class II	Medium	R290, R407C, or RS-44b	9 lbs 15 oz
Building 3601	1	OUTSIDE	AC UNIT	AIR CONDITIONING UNIT	Carrier	30RBF1206--H3733	2116Q84100	R410A	N/A	Medium	R290	96/133
Building 3601	ROOF	ROOF	SPLIT UNIT AHU-9	AIR CONDITIONING UNIT	Carrier	48TJM016	0302F31672	R22	Class II	Medium	R290, R407C, or RS-44b	2 comoressors of 10.6 lbs 4.8 kg
Building 3601	ROOF	ROOF	SPLIT UNIT	AIR CONDITIONING UNIT	Carrier	48TCED12B2A6A0A0C0	2614P69236	R410A	N/A	Medium	R290	2 comp of 10.3 lbs 4.6 kg
Building 3601	ROOF	ROOF	AIR CONDITIONING UNIT	AIR CONDITIONING UNIT	Carrier	38AH-084---70831	4901P26943	R22	Class II	Medium	R290, R407C, or RS-44b	2 compressors
Building 3601	ROOF	ROOF	SPLIT UNIT	AIR CONDITIONING UNIT	Carrier	48TCED12B2A6A0A0A0	2814P31320	R410A	N/A	Medium	R290	2 comoressors of 10.3 lbs 4.7 kg
Building 3601	ROOF	ROOF	AIR CONDITIONING UNIT	AIR CONDITIONING UNIT	Carrier	38AH-084---70831	4401F20946	R22	Class II	Medium	R290, R407C, or RS-44b	2 compressors
Building 3601	ROOF	ROOF	ACC2	AIR CONDITIONING UNIT	Liebert	DCDF165LA	0419C53639	suitable for R12 R22 R500 R502 R407C	N/A	N/A	N/A	N/A
Building 3601	ROOF	ROOF	SPLIT UNIT AHU-5	AIR CONDITIONING UNIT	Carrier	48TJM024	0302F31785	R22	Class II	Medium	R290, R407C, or RS-44b	2 compressors of 16 lbs 7.3 kg and 13.4 lbs 6.1 kg
Building 3601	ROOF	ROOF	SPLIT UNIT	AIR CONDITIONING UNIT	Carrier	48TJM028	0302F31726	R22	Class II	Medium	R290, R407C, or RS-44b	2 comp of 20 lbs 9.4 kg and 13 lbs 5.9 kg
Building 3601	ROOF	ROOF	ACC1	AIR CONDITIONING UNIT	Liebert	DCDF165LA	0150C53713	suitable for R12 R22 R500 R502 R407C	N/A	N/A	N/A	
Building 3601	ROOF	ROOF	SPLIT UNIT AHU-3	AIR CONDITIONING UNIT	Carrier	0502F34578	0302F31785	R22	Class II	Medium	R290, R407C, or RS-44b	2 comp of 29 lbs 13.2 kg
Building 3601	ROOF	ROOF	SPLIT UNIT AHU-3	HEATER	Carrier	054-105 or 030-050	0302F31785			N/A	N/A	
Building 3601	ROOF	ROOF	AIR CONDITIONING UNIT	AIR CONDITIONING UNIT	EMI	SHC24DEA000AAGA	1-98-B-1164-08	R22	Class II	Medium	R290, R407C, or RS-44b	44 oz
Building 3601	ROOF	ROOF	SPLIT UNIT	AIR CONDITIONING UNIT	Trane	YCD600A4LC2B3ME1A	J98G91988	N/A	N/A	N/A	N/A	2 comp of 23.9 lbs and 49.5 lbs
Building 3601	ROOF	ROOF	SPLIT UNIT	AIR CONDITIONING UNIT	Trane	YCD211C4HAAA	N30102774D	R22	Class II	Medium	R290, R407C, or RS-44b	2 comp of 25.7 lbs and 12.5 lbs
Building 3601	ROOF	ROOF	SPLIT UNIT	AIR CONDITIONING UNIT	Trane	WCC024F100BD	N2821FK2H	R22	Class II	Medium	R290, R407C, or RS-44b	5 lbs
Building 3601	ROOF	ROOF	AIR CONDITIONING UNIT	AIR CONDITIONING UNIT	Fujitsu	AOU12CQ	BDN011045	R410A	N/A	Medium	R290	2.09 lbs
Building 3601	ROOF	ROOF	AIR CONDITIONING UNIT	AIR CONDITIONING UNIT	Fujitsu	AOU18R1	T001721	R22	Class II	Medium	R290, R407C, or RS-44b	4.96 lbs
Building 3601	ROOF	ROOF	AIR CONDITIONING UNIT	AIR CONDITIONING UNIT	Fujitsu	AOU24RLXFW	KTN014340	R410A	N/A	Medium	R290	4 lbs 10 oz
Building 3601	ROOF	ROOF	SPLIT UNIT	AIR CONDITIONING UNIT	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Building 3601	ROOF	ROOF	AIR CONDITIONING UNIT	AIR CONDITIONING UNIT	900+	RCU924-IL	3161-7-40A	N/A	N/A	N/A	N/A	N/A
Building 3601	ROOF	ROOF	AIR CONDITIONING UNIT	AIR CONDITIONING UNIT	Heat Controller	MSS-018A	N/A	R22	Class II	Medium	R290, R407C, or RS-44b	54 oz
Building 3601	ROOF	ROOF	AIR CONDITIONING UNIT	AIR CONDITIONING UNIT	Airedale	ACU6	U33273	R22	Class II	Medium	R290, R407C, or RS-44b	N/A
Building 3601	ROOF	ROOF	AIR CONDITIONING UNIT	AIR CONDITIONING UNIT	Daikin	RK24NMVJU	G000723	R410A	N/A	Medium	R290	3.2 lbs
Building 3601	ROOF	ROOF	AIR CONDITIONING UNIT	AIR CONDITIONING UNIT	Carrier	48TFD	014-A-63781	R22	Class II	Medium	R290, R407C, or RS-44b	2 comp of 8.7 lbs 4 kg
Building 3650	1	A105	REFRIGERATION UNIT	REFRIGERATION UNIT	Magic Chef	MCBR415S	0610MCBR415S1163	R134A	N/A	Medium	R290	2.65 oz
Building 3650	1	B104	WATER COOLER	REFRIGERATION UNIT	Oasis	BPD1SHS-H203	1609601211	R134A	N/A	Medium	R290	1.3 oz
Building 3650	1	B107	DEHUMIDIFIER	AIR CONDITIONING UNIT	General Electric	ADER40LPQ1	LV042906	R410A	N/A	Medium	R290	6.7 oz
Building 3650	1	B112	DEHUMIDIFIER	AIR CONDITIONING UNIT	Aeon Air	WDH-945EL-1	115030208791	R410A	N/A	Medium	R290	7.4 oz
Building 3650	1	B117	REFRIGERATION UNIT	REFRIGERATION UNIT	Traulsen	G30010	T59864I16	134A	N/A	Medium	R290	680.39 g
Building 3650	1	B117	REFRIGERATION UNIT	REFRIGERATION UNIT	Traulsen	G10011	T95193D15	134A	N/A	Medium	R290	21 oz 595.34 g
Building 3650	1	B117	FREEZER UNIT	FREEZER UNIT	Traulsen	TS-23F	1-3538891	R404A	N/A	High	R290	12 oz

Summary of Totals	
Class 1'(s)	3
Class 2'(s)	19
GWP'(s)	89
Missing Code'(s)	16

GWP Level Index*	
High	Greater than 2500
Medium	150-2500
Low	Less than 150

*Values are from Linde Gas and IPCC 4th Assessment Report, 2007. Global Warming Potential (GWP) based 100 year.

GWP Level Totals**	
High	7
Medium	82
Low	0

**Totals do not reflect the refrigerant units missing codes.

Table FX3

Air Emission Source Survey

Ozone Depleting Chemicals Survey

Date: 7/24/17

Surveyors: Jon, Rose, Devin

Facility Name: Fort Dix

Armorer: Scott Reddler

Building 3650	1	B117	ICE MACHINE	ICE MACHINE	Manitowoc	QY0214A	310210293	R404A	N/A	High	R290	13 oz
Building 3650	1	B117	COOLING COUNTER	CHILLED SERVING COUNTER	N/A	CPM-60	4822	R12	Class I	High	R290	N/A
Building 3650	1	C100	WATER COOLER	REFRIGERATION UNIT	AccuPure	FM1500 DWS	612195-141061	R134A	N/A	Medium	R290	41 g
Building 3650	1	C101	PORTABLE AIR CONDITIONING UNIT	AIR CONDITIONING UNIT	Movincool	15SFU-1	03090005C18	R410A	N/A	Medium	R290	1.76 lbs
Building 3650	1	C110	REFRIGERATION UNIT	REFRIGERATION UNIT	Revco	ULT2140-5-A14	P27G-331900-RG	R404A	N/A	High	R290	13.25 oz
Building 3650	1	Hallway	WATER COOLER	REFRIGERATION UNIT	AccuPure	F528HB010-EWPN	IE08L01983	R134A	N/A	Medium	R290	41 g
Building 3650	1	250	REFRIDGERATOR	REFRIDGERATOR	Whirlpool	ET1MHKXMQ02	ES2939315	R134A	N/A	Medium	R290	4.0 oz
Building 3650	OUTSIDE	OUTSIDE	AIR CONDITIONING UNIT	AIR CONDITIONING UNIT	Daikin	RKN24KEVJU	C003028	410A	N/A	Medium	R290	3.2 lbs
Building 3650	OUTSIDE	OUTSIDE	AIR CONDITIONING UNIT	AIR CONDITIONING UNIT	Daikin	RKN24KEVJU	C002187	410A	N/A	Medium	R290	3.2 lbs
Building 3650	OUTSIDE	OUTSIDE	AIR CONDITIONING UNIT HVAC 17	AIR CONDITIONING UNIT	Trane	TTA073G300AA	16253RTCYA	R410A	N/A	Medium	R290	N/A
Building 3650	OUTSIDE	OUTSIDE	WALK IN COOLER	REFRIGERATION UNIT	Polar King	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Building 3650	OUTSIDE	OUTSIDE	AIR CONDITIONING UNIT HVAC 17	AIR CONDITIONING UNIT	Sanyo	C3072R	0009981	R410A	N/A	Medium	R290	5.7 lbs
Building 3650	OUTSIDE	OUTSIDE	CONDENSING UNIT	AIR CONDITIONING UNIT		PU24EK	HEKP001891	R22	Class II	Medium	R290, R407C, or RS-44b	9 lbs 15 oz
Building 3650	OUTSIDE	OUTSIDE	AVIATION FIRE EXTINGUISHER	FIRE SUPRESSION SYSTEM	Amerex Coro	600	AX-19518	Halon 1211	N/A	N/A	N/A	150 lbs
Building 3650	ROOF	ROOF	RTU-1	AIR CONDITIONING UNIT	Trane	TCD330BE0N6B2DEB0BC0E00H0B01K0R000000000	C-15M07564	R410A	N/A	Medium	R290	37.8
Building 3650	ROOF	ROOF	RTU-2	AIR CONDITIONING UNIT	Trane	TCD330BE0N6B1CCEB0BCE00HH0B01K00R000000000	C-15M07565	R410A	N/A	Medium	R290	37.80 lbs
Building 3650	ROOF	ROOF	RTU-3	AIR CONDITIONING UNIT	Trane	TCD330BE0N6B1CEB0BC0E00H0B01K0R000000000	C15M07566	R410A	N/A	Medium	R290	37.80 lbs
Building 3650	ROOF	ROOF	RTU-4	AIR CONDITIONING UNIT	Trane	TCD330BE0N6B1AEB0BC0E00H0B01K0R000000000	C-15M07567	R410A	N/A	Medium	R290	37.80 lbs
Building 3650	ROOF	ROOF	RTU-5	AIR CONDITIONING UNIT	Trane	THD240G3R0A04HGC0A1A6000E000000000000000	16011068D	R410A	N/A	Medium	R290	15.50 lbs/7.80 lbs
Building 3650	ROOF	ROOF	RTU-7	AIR CONDITIONING UNIT	Trane	THD150G3R0A04HGC0A1A6000E000000000000000	16011078D	R410A	N/A	Medium	R290	12.50/7.10
Building 3650	ROOF	ROOF	AIR CONDITIONER	AIR CONDITIONING UNIT	Trane	THD150G3R0A04HGC0A1A6000E000000000000000	16011088D	R410A	N/A	Medium	R290	Circuit 1: 5.67 lbs Circuit 2: 3.22 lbs
Building 3650	ROOF	ROOF	RTU-13	AIR CONDITIONING UNIT	Trane	YHD180G3RVA04HAC0C1A6B0E000000000000000	160110092D	R410A	N/A	Medium	R290	10.90/8.85
Building 3650	ROOF	ROOF	RTU-13B	AIR CONDITIONING UNIT	Trane	YHD180G3RVA04HAC0C1A6B0E000000000000000	160110082D	R410A	N/A	Medium	R290	10.90/8.85
Building 3650	ROOF	ROOF	air conditioner	AIR CONDITIONING UNIT	Trane	THD150G3R0A04HAC0A1A6B00E000000000000000	160110032D	R410A	N/A	Medium	R290	Circuit 1: 9.20 lbs Circuit 2: 6.90 lbs
Building 3650	ROOF	ROOF	RTU-10	AIR CONDITIONING UNIT	Trane	THC092F3R0A0CGECC0A1A6000E0000D0000000000	160111242L	R410A	N/A	Medium	R290	5.5/4.2
Building 3650	ROOF	ROOF	RTU-11	AIR CONDITIONING UNIT	Trane	THC047E3R0A0GG6C0A1A6B00E0000C0000000000	160210031L	R410A	N/A	Medium	R290	15.2 lbs
Building 3650	ROOF	ROOF	air conditioner	AIR CONDITIONING UNIT	Trane	THC092F3R0A0CGEC0A1A6000E0000D0000000000	160111250L	R410A	N/A	Medium	R290	Circuit 1: 5.5 lbs Circuit 2: 4.2 lbs
Building 3650	ROOF	ROOF	air conditioner	AIR CONDITIONING UNIT	Trane	YHC092F3RMA0FG6C0A1A6B00E0000D0000000000	16011273L	R410A	N/A	Medium	R290	Circuit 1: 6.2 lbs Circuit 2: 4.3 lbs
Building 3650	ROOF	ROOF	AIR CONDITIONER	AIR CONDITIONING UNIT	Trane	YHC092F3RMA0FG6C0A1A6B00E0000D0000000000	160111265L	R410A	N/A	Medium	R290	Circuit 1: 6.2 lbs Circuit 2: 4.3 lbs
Building 3650	ROOF	ROOF	AIR CONDITIONER	AIR CONDITIONING UNIT	Trane	YHC120F3RLA04G6C0C1A6B00E0000E0000000000	160111245L	R410A	N/A	Medium	R290	Circuit 1: 8.0 lbs Circuit 2: 5.0 lbs
Building 3650	ROOF	ROOF	AIR CONDITIONER	AIR CONDITIONING UNIT	Trane	YHC067E3RHA0HG6C0A1A6B00E0000C0000000000	160210315L	R410A	N/A	Medium	R290	15.3 lbs
Building 3650	ROOF	ROOF	AIR CONDITIONER	AIR CONDITIONING UNIT	Trane	YHC067E3RHA0HG6C0A1A6B00E0000C0000000000	160210293L	R410A	N/A	Medium	R290	15.3 lbs
Building 3650	ROOF	ROOF	AIR CONDITIONER	AIR CONDITIONING UNIT	Trane	TSC036A1E0A1K000000000000	531102043L	R22	Class II	Medium	R290, R407C, or RS-44b	3.80 lbs
Building 3650	ROOF	ROOF	AIR CONDITIONER	AIR CONDITIONING UNIT	Trane	4TVR0120B300NB	N/A	R410A	N/A	Medium	R290	16.3 lbs
Building 3650	ROOF	ROOF	AIR CONDITIONER	AIR CONDITIONING UNIT	Trane	4TVR0144B300NB	N/A	R410A	N/A	Medium	R290	19.2 lbs
Building 3650	ROOF	ROOF	AIR CONDITIONER	AIR CONDITIONING UNIT	Trane	4TVR0144B300NB	N/A	R410A	N/A	Medium	R290	19.2 lbs
Building 3650	ROOF	ROOF	AIR CONDITIONER	AIR CONDITIONING UNIT	Trane	4TVH0096B300NB	N/A	R410A	N/A	Medium	R290	16.3 lbs
Building 3650	ROOF	ROOF	AIR CONDITIONER	AIR CONDITIONING UNIT	Trane	4TVH0072B300NB	N/A	R410A	N/A	Medium	R290	12.1 lbs
Building 3650	ROOF	ROOF	RTU-7	AIR CONDITIONING UNIT	Trane	N/A	16011078D	N/A	N/A	N/A	N/A	N/A
Building 3650	ROOF	ROOF	RTU-8	AIR CONDITIONING UNIT	Trane	N/A	16011032D	N/A	N/A	N/A	N/A	N/A
Building 3650	ROOF	ROOF	RTU-9	AIR CONDITIONING UNIT	Trane	THD150G3	N/A	N/A	N/A	N/A	N/A	N/A
Building 3650	ROOF	ROOF	SPLIT UNIT	AIR CONDITIONING UNIT	Trane	4TXK2724A10N0AA	63229956013	R410A	N/A	Medium	R290	91.07 oz
Building 3650	ROOF	ROOF	SPLIT UNIT	AIR CONDITIONING UNIT	Trane	4TVR0120B300NB	N/A	R410A	N/A	Medium	R290	16.3 lbs
Building 3650	ROOF	ROOF	air conditioner	AIR CONDITIONING UNIT	Liebert	TCSV28K-Y	1049C322202	SUITABLE FOR R12 R22 R500 R502 R407C	N/A	N/A	N/A	N/A
Building 3650	ROOF	ROOF	air conditioner	AIR CONDITIONING UNIT	Liebert	TCSV28K-Y	1049c32241	SUITABLE FOR R12 R22 R500 R502 R407C	N/A	N/A	N/A	N/A
Building 3650	ROOF	ROOF	air conditioner	AIR CONDITIONING UNIT	Trane	4TXK8536A10N0CA	63229954557	R410A	N/A	Medium	R290	91.71 oz
Building 3651	1	103	REFRIGERATION UNIT	REFRIGERATION UNIT	Whirlpool	ET8WTKXKT0 5	ER4012938	R134A	N/A	Medium	R290	4 oz
Building 3651	1	103	WATER COOLER	REFRIGERATION UNIT	AccuPure	F528HB011-EWPN	IE11J00263	R134A	N/A	Medium	R290	41 g
Building 3651	ROOF	ROOF	air conditioner	AIR CONDITIONING UNIT	Carrier	48TJM015	032F31719	R-22	Class II	Medium	R290, R407C, or RS-44b	10.6 lbs (for both compressors)

Table FRN3

Air Emission Source Survey

Ozone Depleting Chemicals Survey

Date: 6/28/2017

Surveyors: Sarah Helble, Hannah Buckley, Hunter Davis

Facility Name: Franklin

Armorer: Charles Rissmiller

Location	Floor	Room	Emission Source Name	Equipment Type (See Blue Text on Questionnaire)	Make	Model	Serial Number	Refrigerant	Class	GWP Level	Replacement Options	Amount of Refrigerant (lbs/oz)
ARMORY	1	101	AIR CONDITIONER	WINDOW UNIT	Airtemp	B2Q08F2A	KG276645 2865	R22	Class II	Medium	R290, R407C, or RS-44b	17.25 oz
ARMORY	1	102	AIR CONDITIONER	WINDOW UNIT	GE	AGN05LBG1	ZV 354812	R22	Class II	Medium	R290, R407C, or RS-44b	11.1 oz
ARMORY	1	103	AIR CONDITIONER	WINDOW UNIT	GE	AGQ10ACG1	GG 194395	R22	Class II	Medium	R290, R407C, or RS-44b	15.5 oz
ARMORY	1	104	AIR CONDITIONER	WINDOW UNIT	Frigidaire	FRA052XT7	KK14393180	R410A	N/A	Medium	R290	8.82 oz
ARMORY	1	105	AIR CONDITIONER	WINDOW UNIT	Frigidaire	FRA106CV1	KK14560403	R410A	N/A	Medium	R290	15.17 oz
ARMORY	1	106	AIR CONDITIONER	WINDOW UNIT	GE	AMD10ABM1	FM709091	R22	Class II	Medium	R290, R407C, or RS-44b	27.9 oz
ARMORY	1	109	AIR CONDITIONER	WINDOW UNIT	Friedrich	CP08E10	N/A	R22	Class II	Medium	R290, R407C, or RS-44b	17.3 oz

Summary of Totals	
Class 1'(s)	0
Class 2'(s)	5
GWP'(s)	7
Missing Code'(s)	0

GWP Level Index*	
High	Greater than 2500
Medium	150-2500
Low	Less than 150

*Values are from Linde Gas and IPCC 4th Assessment Report, 2007. Global Warming Potential (GWP) based 100 year.

GWP Level Totals**	
High	0
Medium	7
Low	0

**Totals do not reflect the refrigerant units missing codes.

Table FD3

Air Emission Source Survey

Ozone Depleting Chemicals Survey

Date: 7/11/2017

Surveyors: Devin Walker, Rosalie Hood, Jonathan McKinnon

Facility Name: Freehold

Armorer: William Homeyer

Location	Floor	Room	Emission Source Name	Equipment Type (See Blue Text on Questionnaire)	Make	Model	Serial Number	Refrigerant	Class	GWP Level	Replacement Options	Amount of Refrigerant (lbs/oz)
ARMORY	1	100	WATER FOUNTAIN	WATER FOUNTAIN	Oasis	CP3M-D	8822 291269	R12	Class I	High	R290	3.8 oz
ARMORY	1	102	REFRIGERATOR	REFRIGERATOR	Traulsen	G20010	T182251C12	134A	N/A	Medium	R290	16 oz
ARMORY	1	102	ICE MACHINE	ICE MACHINE	Ice-O-Matic	ICEU220HA2	11061280014094	404A	N/A	High	R290	12 oz
ARMORY	1	104	SPLIT UNIT	SPLIT UNIT	Sanyo	SAP92KH	10274	N/A	N/A	N/A	N/A	N/A
ARMORY	1	24A	AIR CONDITION	AIR CONDITION	Climatrol	MRR0BF2J	DA3221841159	R22	Class II	Medium	R290, R407C, or RS-44b	19.5 oz
ARMORY	1	100H	WATER FOUNTAIN	WATER FOUNTAIN	Halsey Taylor	SW4AQ_1M	81015181	R134A	N/A	Medium	R290	3.7 oz
ARMORY	1	24B	AIR CONDITION	AIR CONDITION	Carrier	51AH1C91A1C	A6CR396	R22	Class II	Medium	R290, R407C, or RS-44b	19.0 oz
ARMORY	1	7	AIR CONDITION	AIR CONDITION	Goodmanb Co.	BT30751-00	N/A	N/A	N/A	N/A	N/A	N/A
ARMORY	1	24C	AIR CONDITION	AIR CONDITION	Climatrol	HLR0612JA	DY263767 1147	R22	Class II	Medium	R290, R407C, or RS-44b	13 oz
ARMORY	1	23	AIR CONDITION	AIR CONDITION	Sharp	AF-1002M6	4130041	R22	Class II	Medium	R290, R407C, or RS-44b	24 oz
ARMORY	1	N/A	AIR CONDITION	AIR CONDITION	Frigidaire	FFRE0833Q1	KK54207903	R410A	N/A	Medium	R290	13.76 oz
ARMORY	1	7	AIR CONDITION	AIR CONDITION	Frigidaire	AME06LQW1	DZ565455	R410A	N/A	Medium	R290	12.35 oz
ARMORY	1	18	AIR CONDITION	AIR CONDITION	Sanyo	KMHS0972	"00005262	N/A	N/A	N/A	N/A	N/A
ARMORY	1	ROOF	AIR CONDITION	AIR CONDITION	Sanyo	CMH1972	18762	R410A	N/A	Medium	R290	6.7 LBS
ARMORY	1	ROOF	AIR CONDITION	AIR CONDITION	Sanyo	SAP92CH	"0000673	R22	Class II	Medium	R290, R407C, or RS-44b	2.91 LBS
ARMORY	1	ROOF	AIR CONDITION	AIR CONDITION	TRANE	TTB7364100A0	18258644	R22	Class II	Medium	R290, R407C, or RS-44b	5 LBS
ARMORY	1	N/A	AIR CONDITION	AIR CONDITION	Sanyo	C3672R	"0014081	R410A	N/A	Medium	R290	6.2 LBS
ARMORY	1	N/A	AIR CONDITION	AIR CONDITION	Sanyo	C3672R	"0012981	R410A	N/A	Medium	R290	6.2 LBS
ARMORY	1	OUTDOOR	AIR CONDITION	AIR CONDITION	Sanyo	KHS3672R	"0174874	N/A	N/A	N/A	N/A	N/A
ARMORY	1	OUTDOOR	AIR CONDITION	AIR CONDITION	Sanyo	CM3212	"0002241	R22	Class II	Medium	R290, R407C, or RS-44b	1.38 LBS
ARMORY	1	OUTDOOR	AIR CONDITION	AIR CONDITION	Sanyo	CM3212	"0002241	R22	Class II	Medium	R290, R407C, or RS-44b	1.38 LBS
ARMORY	1	OUTDOOR	AIR CONDITION	AIR CONDITION	Sanyo	CM3212	"0002241	R22	Class II	Medium	R290, R407C, or RS-44b	4.14 LBS

Summary of Totals	
Class 1'(s)	1
Class 2'(s)	9
GWP'(s)	20
Missing Code'(s)	2

GWP Level Index*	
High	Greater than 2500
Medium	150-2500
Low	Less than 150

*Values are from Linde Gas and IPCC 4th Assessment Report, 2007. Global Warming Potential (GWP) based 100 year.

GWP Level Totals**	
High	2
Medium	16
Low	0

**Totals do not reflect the refrigerant units missing codes.

Table HN3

Air Emission Source Survey

Ozone Depleting Chemicals Survey

Date: 6/27/2017
Surveyors: Bill McBride, Hannah Buckley, Hunter Davis
Facility Name: Hackettstown
Armorer: Charles Rissmiller

Location	Floor	Room	Emission Source Name	Equipment Type (See Blue Text on Questionnaire)	Make	Model	Serial Number	Refrigerant	Class	GWP Level	Replacement Options	Amount of Refrigerant (lbs/oz)
ARMORY	1	100	DRINKING FOUNTAIN	DRINKING FOUNTAIN	Haw's Drinking Faucet Co.	HCBF-7	16347414000000	R12	Class I	High	R290	7.25 oz
ARMORY	1	110	REFRIGERATOR	REFRIGERATOR	Traulsen	RHT 2-32 WUT	222319 7H	R12	Class I	High	R290	21 oz
ARMORY	1	110	REFRIGERATOR	REFRIGERATOR	Traulsen	RHT 2-32 WUT	222320 7H	R12	Class I	High	R290	16 oz
ARMORY	1	110	ICE MACHINE	Ice Machine	ICE O-Matic	ICEU200HA2	J310-15536-Z	R404A	N/A	High	R290	13 oz
ARMORY	1	107	DRINKING FOUNTAIN	Drinking Fountain	Sunroc	NSW8	RR31256A	R12	Class I	High	R290	5 oz
ARMORY	OUTSIDE	OUTSIDE	AIR CONDITIONER	AIR CONDITIONER	Mitsubishi Electric	PUMY-P48NMHU	91UOO792B	R410A	N/A	Medium	R290	18 lbs 12 oz
ARMORY	OUTSIDE	OUTSIDE	AIR CONDITIONER	AIR CONDITIONER	Mitsubishi Electric	PUMY-P48NMHU	91UOO376D	R410A	N/A	Medium	R290	18 lbs 12 oz
ARMORY	OUTSIDE	OUTSIDE	AIR CONDITIONER	AIR CONDITIONER	Mitsubishi Electric	PUY-A24NHA3	91UO1549B	R410A	N/A	Medium	R290	6 lbs 10 oz
ARMORY	OUTSIDE	OUTSIDE	AIR CONDITIONER	AIR CONDITIONER	Mitsubishi Electric	PUMY-P48NMHU	91UOO821B	R410A	N/A	Medium	R290	18 lbs 12 oz

Summary of Totals	
Class 1'(s)	4
Class 2'(s)	0
GWP'(s)	9
Missing Code'(s)	0

GWP Level Index*	
High	Greater than 2500
Medium	150-2500
Low	Less than 150

*Values are from Linde Gas and IPCC 4th Assessment Report, 2007. Global Warming Potential (GWP) based 100 year.

GWP Level Totals**	
High	5
Medium	4
Low	0

**Totals do not reflect the refrigerant units missing codes.

Table HA3

Air Emission Source Survey

Ozone Depleting Chemicals Survey

Date: 6/26/2017
Surveyors: Chuck Appleby, Rosalie Hood, Jonathan McKinnon
Facility Name: Hammonton
Armorer: Phillip Fiore

Location	Floor	Room	Emission Source Name	Equipment Type (See Blue Text on Questionnaire)	Make	Model	Serial Number	Refrigerant	Class	GWP Level	Replacement Options	Amount of Refrigerant (lbs/oz)
ARMORY	1	112	AIR CONDITION	AIR CONDITION	Fedders	A3X05F2B	ER417999125X	N/A	N/A	N/A	N/A	N/A
ARMORY	1	112A	AIR CONDITION	AIR CONDITION	Frigidaire	FAA065M7A1	JK31620233	R22	Class II	Medium	R290, R407C, or RS-44b	16oz
ARMORY	1	112A	AIR CONDITION	AIR CONDITION	Frigidaire	FAA065M7A1	JK31620149	R22	Class II	Medium	R290, R407C, or RS-44b	16oz
ARMORY	1	112B	AIR CONDITION	AIR CONDITION	Frigidaire	FAA065M7A1	JK31620144	R22	Class II	Medium	R290, R407C, or RS-44b	16oz
ARMORY	1	112D	AIR CONDITION	AIR CONDITION	Frigidaire	FAA065M7A1	N/A	R22	Class II	Medium	R290, R407C, or RS-44b	16oz
ARMORY	1	100A	AIR CONDITION	AIR CONDITION	Fredrich	SS09J10A	JJFS11703	R22	Class II	Medium	R290, R407C, or RS-44b	26oz
ARMORY	1	100B	AIR CONDITION	AIR CONDITION	Fredrich	SS09J10A	JHGS16817	R22	Class II	Medium	R290, R407C, or RS-44b	26oz
ARMORY	1	100C	AIR CONDITION	AIR CONDITION	Frigidaire	FAA065M7A1	JK31620159	R22	Class II	Medium	R290, R407C, or RS-44b	16oz
ARMORY	1	100H	WATER FOUNTAIN	WATER FOUNTAIN	Halsey Taylor	HTV8Q_1	30716707	R134A	N/A	Medium	R290	4.5oz
ARMORY	1	109	AIR CONDITION	AIR CONDITION	Fredrich	SS09J10A	JJFS11748	R22	Class II	Medium	R290, R407C, or RS-44b	26oz
ARMORY	1	107	REFRIGERATOR	REFRIGERATOR	Hot Point	HTS18GBMCRCC	LD503243	R134A	N/A	Medium	R290	4oz
ARMORY	1	107A	AIR CONDITION	AIR CONDITION	Fredrich	25370125001	JK02215864	R22	Class II	Medium	R290, R407C, or RS-44b	31.5oz
ARMORY	1	107A	AIR CONDITION	AIR CONDITION	Carrier	51DZA1101	T358191	R22	Class II	Medium	R290, R407C, or RS-44b	22 oz
ARMORY	1	100R	AIR CONDITION	AIR CONDITION	AirTemp	51DZA1101	B6X06F2AD		N/A	N/A	N/A	
STORAGE GARAGE	1	N/A	SODA MACHINE	SODA MACHINE	N/A	RVCC-8049-9	200116AA01028	R134A	N/A	Medium	R290	5.2oz
STORAGE GARAGE	1	N/A	REFRIGERATOR	REFRIGERATOR	Traulsen	T181639C12	G20010	R134A	N/A	Medium	R290	16oz

Summary of Totals	
Class 1'(s)	0
Class 2'(s)	10
GWP'(s)	14
Missing Code'(s)	0

GWP Level Index*	
High	Greater than 2500
Medium	150-2500
Low	Less than 150

*Values are from Linde Gas and IPCC 4th Assessment Report, 2007. Global Warming Potential (GWP) based 100 year.

GWP Level Totals**	
High	0
Medium	14
Low	0

**Totals do not reflect the refrigerant units missing codes.

Table JC3

Air Emission Source Survey

Ozone Depleting Chemicals Survey

Date: 5/21/2017
Surveyors: Chuck Appleby, Rosalie Hood, Jon Mikinnon, Hannah Buckley, and Hunter Davis
Armory Name: Jersey City
Armorer: Charles Parsons

Location	Floor	Room	Emission Source Name	Equipment Type (See Blue Text on Questionnaire)	Make	Model	Serial Number	Refrigerant	Class	GWP Level	Replacement Options	Pounds of Refrigerant
JERSEY CITY ARMORY	B	124H	BLOWER	BLOWER	Unitary Products Group	NH-07C00BSAAA2A	N1H1274815	R410A	N/A	Medium	R290	N/A
JERSEY CITY ARMORY	B	130	REFRIGERATION UNIT	REFRIGERATION UNIT	True	T-49	1-3161748	R134A	N/A	Medium	R290	17 OZ
JERSEY CITY ARMORY	B	130	REFRIGERATION UNIT	REFRIGERATION UNIT	Us Refrigeration	UM-48	A94S500001M	R134A	N/A	Medium	R290	6.35 OZ
JERSEY CITY ARMORY	B	132	AIR CONDITIONING UNIT	AIR CONDITIONING UNIT	Sanyo	KMS1272	8091	N/A	N/A	N/A	N/A	N/A
JERSEY CITY ARMORY	B	130A	ICE MACHINE	ICE MACHINE	Manitowoc	SY0604A	110910748	R404A	N/A	High	R290	32 OZ
JERSEY CITY ARMORY	B	130A	CHILLED SERVING COUNTER	CHILLED SERVING COUNTER	Piper Products	5BCM	77865	R134A	N/A	Medium	R290	14 OZ
JERSEY CITY ARMORY	B	130A	CHILLED SERVING COUNTER	CHILLED SERVING COUNTER	Piper Products	5BCM	27799	R134A	N/A	Medium	R290	14 OZ
JERSEY CITY ARMORY	B	130A	CHILLED SERVING COUNTER	CHILLED SERVING COUNTER	Piper Products	4ST	27798	R134A	M/A	Medium	R290	14 OZ
JERSEY CITY ARMORY	B	133	AIR CONDITIONING UNIT	AIR CONDITIONING UNIT	Sanyo	KMS1272	10991	N/A	N/A	N/A	N/A	N/A
JERSEY CITY ARMORY	N/A	134	AIR CONDITIONING UNIT	AIR CONDITIONING UNIT	Sanyo	CM2472	00069 92	R410A	N/A	Medium	R290	6.17 LBS
JERSEY CITY ARMORY	N/A	134	AIR CONDITIONING UNIT	AIR CONDITIONING UNIT	York	N/A	N/A	N/A	N/A	N/A	N/A	N/A
JERSEY CITY ARMORY	N/A	134	AIR CONDITIONING UNIT	AIR CONDITIONING UNIT	York	N/A	N/A	N/A	N/A	N/A	N/A	N/A
JERSEY CITY ARMORY	1	101	DEHUMIDIFIER	DEHUMIDIFIER	Danby	DPAC 7597	1.19707E+15	R22	Class II	Medium	R290, R407C, or RS-44b	550 g
JERSEY CITY ARMORY	1	102	PORTABLE AC UNIT	PORTABLE AC UNIT	Lg	LP1111WXR	112KAED07644	R410A	N/A	Medium	R290	18.7 oz
JERSEY CITY ARMORY	1	102	REFRIGERATOR	REFRIGERATOR	Welbilt	W FF10-2	N/A	R134A	N/A	Medium	R290	7.05 oz
JERSEY CITY ARMORY	1	103	PORTABLE AC UNIT	PORTABLE AC UNIT	Movincool	15 SFU-1	0600 00S1	R22	Class II	Medium	R290, R407C, or RS-44b	1.59 lbs
JERSEY CITY ARMORY	1	104	DEHUMIDIFIER	DEHUMIDIFIER	Danby	DPAC 8399-3	N/A	R22	Class II	Medium	R290, R407C, or RS-44b	560 g
JERSEY CITY ARMORY	1	102	PORTABLE AC UNIT	PORTABLE AC UNIT	Movincool	15 SFU-1	0600 00S7	R22	Class II	Medium	R290, R407C, or RS-44b	1.59 lbs
JERSEY CITY ARMORY	1	100	DRINKING FOUNTAIN	DRINKING FOUNTAIN	Sunroc	ADA-8BL-WF-003	43600224	R134A	N/A	Medium	R290	3.5 oz
JERSEY CITY ARMORY	Roof	N/A	AC UNIT	AC UNIT	International Comfort Products Corp.	PAF048K000A	L9924 35381	R22	Class II	Medium	R290, R407C, or RS-44b	6 lbs 6 oz
JERSEY CITY ARMORY	3	Hall	DRINKING FOUNTAIN	DRINKING FOUNTAIN	Elkay	EHFA8 1E	10325983	R134A	N/A	Medium	R290	4.25 oz
JERSEY CITY ARMORY	2	201	PORTABLE AC UNIT	PORTABLE AC UNIT	Movincool	15 SFU-1	0901 0002	R22	Class II	Medium	R290, R407C, or RS-44b	1.59 oz
JERSEY CITY ARMORY	2	204	REFRIGERATOR	REFRIGERATOR	Avanti	322YW/323YB	N/A	R134A	N/A	Medium	R290	1.7 oz

Summary of Totals	
Class 1'(s)	0
Class 2'(s)	6
GWP'(s)	19
Missing Code'(s)	0

GWP Level Index*	
High	Greater than 2500
Medium	150-2500
Low	Less than 150

*Values are from Linde Gas and IPCC 4th Assessment Report, 2007. Global Warming Potential (GWP) based 100 year.

GWP Level Totals**	
High	1
Medium	18
Low	0

**Totals do not reflect the refrigerant units missing codes.

Table LH3

Air Emission Source Survey

Ozone Depleting Chemicals Survey

Date: June 13, 2017
Surveyors: Bill, Anj, Devin, Rose, Jin, Hannah, Hunter
Armory Name: Lakehurst
Armorer: David Lohman

Location	Floor	Room	Emission Source Name	Equipment Type (See Blue Text on Questionnaire)	Make	Model	Serial Number	Refrigerant	Class	GWP	Replacement Options	Amount of Refrigerant (lbs/oz)
CLTF CSMS	1	HALLWAY	DRINKING FOUNTAIN	DRINKING FOUNTAIN	Oasis	PLFESKTPD102	847001183	R134A	N/A	Medium	R290	7.5 oz
CLTF CSMS	1	HALLWAY	DRINKING FOUNTAIN	DRINKING FOUNTAIN	Oasis	PLF8SKTPD102	847001178	R134A	N/A	Medium	R290	7.5 oz
CLTF CSMS	1	OUTSIDE	AIR CONDITIONER	AIR CONDITIONER	Liebert	PFH014A-PL3	0839N174551	R22	Class II	Medium	R290, R407C, or RS-44b	134 oz
CLTF CSMS	1	OUTSIDE	AIR CONDITIONER	AIR CONDITIONER	Liebert	PFH067A-AL3	0839n174417	R22	Class II	Medium	R290, R407C, or RS-44b	426 oz
CLTF CSMS	1	OUTSIDE	DEHUMIDIFIER	DEHUMIDIFIER	N/A	CCA-002A-4	B 2008100034	R22	Class II	Medium	R290, R407C, or RS-44b	N/A
CLTF CSMS	1	OUTSIDE	AIR CONDITIONER	AIR CONDITIONER	Liebert	PFH037A-AL3	0839N174459	R22	Class II	Medium	R290, R407C, or RS-44b	213 oz
CLTF CSMS	1	OUTSIDE	FAN COIL UNIT	FAN COIL UNIT	Lennox	134A-018-230-03	5808J25394	R22	Class II	Medium	R290, R407C, or RS-44b	3 lbs 13 oz
CLTF CSMS	1	OUTSIDE	AIR CONDITIONER	AIR CONDITIONER	Liebert	PFH037A-AL3	0839N174454	R22	Class II	Medium	R290, R407C, or RS-44b	213 oz
CLTF CSMS	1	OUTSIDE	AIR CONDITIONER	AIR CONDITIONER	Emino	S1CA2000A00	1-08-G-4542-29	R22	Class II	Medium	R290, R407C, or RS-44b	40 oz
CLTF CSMS	1	OUTSIDE	AIR CONDITIONER	AIR CONDITIONER	Friedrich	CP08E10	N/A	R22	Class II	Medium	R290, R407C, or RS-44b	17.3 oz
CLTF CSMS	1	B120	DRINK MACHINE	DRINK MACHINE	Dixie-Narco	DN276EMC7S11-7	05726733CZ	R134A	N/A	Medium	R290	7.5oz
CLTF CSMS	1	HALLWAY C	DRINKING FOUNTAIN	DRINKING FOUNTAIN	Oasis	PLF8SKTPD102	847001184	R134A	N/A	Medium	R290	7.5 oz
CLTF CSMS	1	OUTSIDE	AIR CONDITIONER	AIR CONDITIONER	Emino	S1CA2000A00	1-08-G-436-29	R22	Class II	Medium	R290, R407C, or RS-44b	40 oz
CLTF CSMS	1	OUTSIDE	AIR CONDITIONER	AIR CONDITIONER	Emino	S1CA2000A00	1-08-G-4355-29	R22	Class II	Medium	R290, R407C, or RS-44b	40 oz
CLTF CSMS	1	OUTSIDE	AIR CONDITIONER	AIR CONDITIONER	AO Smith	TCGD12S21S1A	WOC8669564	R22	Class II	Medium	R290, R407C, or RS-44b	3 lbs 5oz
CLTF-UTES	1	N/A	VEHICLE RECOVERY	VEHICLE RECOVERY	Robinair	34788	248008	R134A	N/A	Medium	R290	30 lbs tank
CLTF-UTES	1	OUTSIDE	AIR CONDITIONER	AIR CONDITIONER	N/A	J12ZRN15Q4VAA4B	N1D0757878	R410A	N/A	Medium	R290	18 lbs 8 oz
CLTF-UTES	1	OUTSIDE	AIR CONDITIONER	AIR CONDITIONER	N/A	J05ZRD10U4TBA1C	N1C0737103	R410A	N/A	Medium	R290	11 lbs 4 oz
CLTF-UTES	1	OUTSIDE	AIR CONDITIONER	AIR CONDITIONER	N/A	TSA180S4DN1G	P0900976200001001	R410A	N/A	Medium	R290	N/A
CLTF-UTES	1	OUTSIDE	AIR CONDITIONER	AIR CONDITIONER	Sterling	E1N-PV20A2LD1K61E2AB3E3L2	N/A	N/A	N/A	N/A	N/A	N/A
CLTF CSMS	1	ROOF	AIR CONDITIONER	AIR CONDITIONER	N/A	J05ZRD10U4TBA1C	N1C0737104	R-410A	N/A	Medium	R290	11 lbs 4 oz
CLTF CSMS	1	ROOF	AIR CONDITIONER	AIR CONDITIONER	N/A	J07ZRN10Q4VAA4B	N1C0744032	R-410A	N/A	Medium	R290	system 1: 9 lbs 12 oz system 2: 8 lbs 8 oz
CLTF CSMS	1	ROOF	AIR CONDITIONER	AIR CONDITIONER	N/A	J10ZRN15Q4VAA4B	N1C0742153	R-410A	N/A	Medium	R290	sys1: 12 lbs system 2: 10 lbs 8 oz
CLTF CSMS	1	HALLWAY	DRINKING FOUNTAIN	DRINKING FOUNTAIN	Oasis	PLF8SKTP-D102	845002641	R134A	N/A	Medium	R290	7.5 oz
CLTF CSMS	1	A139	WATER COOLER	WATER COOLER	Primo	900105	3919	R134A	N/A	Medium	R290	1.23 oz
CLTF CSMS	OUTSIDE	OUTSIDE	AIR CONDITIONER	AIR CONDITIONER	N/A	TGGD12S21S1A	W0C8669659	R22	Class II	Medium	R290, R407C, or RS-44b	3 lbs 5 oz
CLTF CSMS	OUTSIDE	OUTSIDE	AIR CONDITIONER	AIR CONDITIONER	Guardian	GCGD24S21S2XB	W1C3547740	R22	Class II	Medium	R290, R407C, or RS-44b	N/A
CLTF CSMS	OUTSIDE	OUTSIDE	AIR CONDITIONER	AIR CONDITIONER	Enviromaster International Inc	S1CA2000A00	1-08-G-4545-29	R22	Class II	Medium	R290, R407C, or RS-44b	40 oz
CLTF CSMS	OUTSIDE	OUTSIDE	AIR CONDITIONER	AIR CONDITIONER	Enviromaster International Inc	S1CA2000A00	1-08-G-4541-29	R22	Class II	Medium	R290, R407C, or RS-44b	40 oz
CLTF CSMS	OUTSIDE	OUTSIDE	AIR CONDITIONER	AIR CONDITIONER	Lennox	TSA042S2N42G	5808H24434	R22	Class II	Medium	R290, R407C, or RS-44b	6 lbs 6 oz
CLTF CSMS	OUTSIDE	OUTSIDE	AIR CONDITIONER	AIR CONDITIONER	Enviromaster International Inc	S1CA2000A00	1-08-G-4354-29	R22	Class II	Medium	R290, R407C, or RS-44b	40 oz
CLTF CSMS	OUTSIDE	OUTSIDE	AIR CONDITIONER	AIR CONDITIONER	Lennox	13ACD-024-230-05	5808J21080	R22	Class II	Medium	R290, R407C, or RS-44b	4 lbs 3 oz
CLTF CSMS	OUTSIDE	OUTSIDE	DEHUMIDIFIER	DEHUMIDIFIER	N/A	CCA-002A-4	2008100032	R22	Class II	Medium	R290, R407C, or RS-44b	N/A
CLTF CSMS	1	B120	REFRIGERATOR	REFRIGERATOR	Whirlpool	GT2SHKXMS04	EU3106829	R134A	N/A	Medium	R290	4 oz
CLTF CSMS	1	HALLWAY B	DRINKING FOUNTAIN	DRINKING FOUNTAIN	Oasis	PLF8SKTP-D102	847001203	R134A	N/A	Medium	R290	7.5 oz
CLTF CSMS	1	HALLWAY B	DRINKING FOUNTAIN	DRINKING FOUNTAIN	Oasis	PLF8SKTP-D102	847001199	R134A	N/A	Medium	R290	7.5 oz
CLTF CSMS	1	C120	REFRIGERANT RECOVERY	REFRIGERANT RECOVERY	Robinair	17800B	9653	R12 or R134A	Class I or N/A	High	R290	N/A
CLTF CSMS	1	C120	RECOVERY TANK	RECOVERY TANK	Robinair	34750	N/A	R134A	N/A	Medium	R290	47.6lbs
CLTF CSMS	1	C120	REFRIGERANT RECOVERY	REFRIGERANT RECOVERY	Snap-on	EEAC324B	209471	R134A	N/A	Medium	R290	N/A
CLTF CSMS	1	C120	RECOVERY TANK	RECOVERY TANK	Coolgas	N/A	N/A	R12 and R134A	Class I	High	R290	30 lbs
CLTF CSMS	OUTSIDE	OUTSIDE	AIR CONDITIONER	AIR CONDITIONER	Enviromaster International Inc	S1CA2000A00	1-08-G-4537-29	R22	Class II	Medium	R290, R407C, or RS-44b	40 oz
CLTF CSMS	OUTSIDE	OUTSIDE	AIR CONDITIONER	AIR CONDITIONER	Lennox	13ACD-024-230-11	1909G12483	R22	Class II	Medium	R290, R407C, or RS-44b	4lbs 3ozs
CLTF UTES	1	hallway	DRINKING FOUNTAIN	DRINKING FOUNTAIN	Elkay	EDFP114C	11115138	Non - refrigerated	N/A	N/A	N/A	N/A
CLTF UTES	1	D130	REFRIGERATOR	REFRIGERATOR	Amana	ABB1924WEW1	K14903302	R134A	N/A	Medium	R290	4.25 oz
CLTF UTES	1	D130	REFRIGERATOR	REFRIGERATOR	Whirlpool	W6RXNGFWS01	VS11068244	R134A	N/A	Medium	R290	3.75 oz
CLTF UTES	1	D137	REFRIGERATOR	REFRIGERATOR	Whirlpool	W6RXNGFWS01	VS11068234	R134A	N/A	Medium	R290	3.75 oz
CLTF UTES	1	MAINTENANCE BAY	DRINK MACHINE	DRINK MACHINE	Royal Vendors	RVDVE650-10	1487CK-00586	R134A	N/A	Medium	R290	5.25 oz
CLTF CSMS	ROOF	ROOF	AIR CONDITIONER	AIR CONDITIONER	N/A	J05ZRD10U4TBA1C	N1C0737105	R410A	N/A	Medium	R290	11 lbs 4oz
CLTF CSMS	ROOF	ROOF	AIR CONDITIONER	AIR CONDITIONER	N/A	J10ZRN15Q4VAA4B	N1C0742152	R410A	N/A	Medium	R290	system 1: 12lbs system 2: 10lbs 8oz

Summary of Totals	
Class 1'(s)	5
Class 2'(s)	48
GWP'(s)	140
Missing Code'(s)	7

GWP Level Index*	
High	Greater than 2500
Medium	150-2500
Low	Less than 150

*Values are from Linde Gas and IPCC 4th Assessment Report, 2007. Global Warming Potential (GWP) based 100 year.

GWP Level Totals**	
High	7
Medium	133
Low	0

**Totals do not reflect the refrigerant units missing codes.

Table LH3

Air Emission Source Survey

Ozone Depleting Chemicals Survey

Date: June 13, 2017

Surveyors: Bill, Anj, Devin, Rose, Jin, Hannah, Hunter

Armory Name: Lakehurst

Armorer: David Lohman

CLTF CSMS	ROOF	ROOF	AIR CONDITIONER	AIR CONDITIONER	Trane	4YCC3018A1040AA	8181W9R9H	R410A	N/A	Medium	R290	N/A
CLTF CSMS	ROOF	ROOF	AIR CONDITIONER	AIR CONDITIONER	AAON Inc.	RN-010-3-0-BB02-339	200809-AMGJ44860	R410A	N/A	Medium	R290	N/A
CLTF CSMS	ROOF	ROOF	AIR CONDITIONER	AIR CONDITIONER	N/A	J05ZRD10U4TBA1C	N1C0737104	R410A	N/A	Medium	R290	11lbs 4oz
CLTF CSMS	ROOF	ROOF	AIR CONDITIONER	AIR CONDITIONER	N/A	J07ZRN10Q4VAA4B	N1C0744032	R410A	N/A	Medium	R290	system 1: 9 lbs 12 oz system 2: 8 lbs 8 oz
CLTF CSMS	ROOF	ROOF	AIR CONDITIONER	AIR CONDITIONER	N/A	J10ZRN15Q4VAA4B	N1C0742153	R410A	N/A	Medium	R290	system 1: 12 lbs system 2: 10 lbs 8 oz
CLTF CSMS	ROOF	ROOF	AIR CONDITIONER	AIR CONDITIONER	N/A	J05ZRD10U4TBA1C	N1C0737102	R410A	N/A	Medium	R290	11 lbs 4 oz
CLTF CSMS	ROOF	ROOF	AIR CONDITIONER	AIR CONDITIONER	N/A	J05ZRD10U4TBA1C	N1C0737106	R410A	N/A	Medium	R290	11 lbs 4 oz
CLTF CSMS	ROOF	ROOF	AIR CONDITIONER	AIR CONDITIONER	N/A	J10DRN15S4UAG3E	N0G8074258	R22	Class II	Medium	R290, R407C, or RS-44b	system 1: 12 lbs 12 oz system 2: 10 lbs 2 oz
CLTF CSMS	1	A139	REFRIDGERATOR	REFRIDGERATOR	Whirlpool	GR2FHMXVY02	E00710524	R134A	N/A	Medium	R290	4.250 oz
CLTF CSMS	1	OUTSIDE	AIR CONDITIONER DFCU-3	AIR CONDITIONER	Enviromaster International Inc	S1CA2000A00	1-08-G-4356-29	R22	Class II	Medium	R290, R407C, or RS-44b	40 oz
CLTF CSMS	1	OUTSIDE	FAN COIL UNIT FCU-9	FAN COIL UNIT	Lennox	13ACD-024-230-05	5808J21079	R22	Class II	Medium	R290, R407C, or RS-44b	4 lbs 3 oz
CLTF CSMS	1	OUTSIDE	FAN COIL UNIT FCU-8	FAN COIL UNIT	Lennox	13ACD-018-230-03	5808J25395	R22	Class II	Medium	R290, R407C, or RS-44b	3 lbs 13 oz
CLTF CSMS	1	OUTSIDE	FAN COIL UNIT FCU-6	FAN COIL UNIT	Lennox	13ACD-024-230-05	5808J21078	R22	Class II	Medium	R290, R407C, or RS-44b	4 lbs 3 oz
CLTF CSMS	1	OUTSIDE	AIR CONDITIONER DFCU-9	AIR CONDITIONER	Enviromaster International Inc	S1CA2000A00	1-08-G-4538-29	R22	Class II	Medium	R290, R407C, or RS-44b	40 oz
CLTF CSMS	N/A	OUTSIDE	AIR CONDITIONER CU-9	AIR CONDITIONER	Liebert	PFH067A-AL3	0838N174294	R22	Class II	Medium	R290, R407C, or RS-44b	426 oz
CLTF CSMS	1	OUTSIDE	AIR CONDITIONER CU-10	AIR CONDITIONER	Liebert	PFH037A-AL3	0839N174562	R22	Class II	Medium	R290, R407C, or RS-44b	213 oz
CLTF CSMS	1	OUTSIDE	AIR CONDITIONER DFCU-7	AIR CONDITIONER	Enviromaster International Inc	S1CA2000A00	1-08-G-4543-29	R22	Class II	Medium	R290, R407C, or RS-44b	40 oz
CLTF CSMS	1	OUTSIDE	AIR CONDITIONER CU-5	AIR CONDITIONER	Liebert	PFH067A-AL3	0839N174393	R22	Class II	Medium	R290, R407C, or RS-44b	426 oz
CLTF CSMS	1	OUTSIDE	AIR CONDITIONER CU-6	AIR CONDITIONER	Liebert	PFH014A-PL3	0839N174543	R22	Class II	Medium	R290, R407C, or RS-44b	134 oz
CLTF CSMS	1	OUTSIDE	FAN COIL UNIT FCU-2	FAN COIL UNIT	Lennox	13ACD-018-230-03	5808J26854	R22	Class II	Medium	R290, R407C, or RS-44b	3 lbs 13 oz
CLTF CSMS	1	OUTSIDE	FAN COIL UNIT FCU-1	FAN COIL UNIT	Lennox	13ACD-018-230-03	5808J25396	R22	Class II	Medium	R290, R407C, or RS-44b	3 lbs 13 oz
CLTF CSMS	1	B120	REFRIGERATOR	REFRIGERATOR	Traulsen	G12001	T181424C12	R404A	N/A	Medium	R290	15 oz
CLTF CSMS	1	B120	REFRIGERATOR	REFRIGERATOR	Whirlpool	GT2SHKXMS04	EU2616508	R134A	N/A	Medium	R290	4 oz
CLTF CSMS	1	C116	REFRIGERATOR	REFRIGERATOR	Frigidaire	FRT18IL6JM3	BA02528026	R134A	N/A	Medium	R290	4.25 oz
CLTF CSMS	ROOF	ROOF	AIR CONDITIONER	AIR CONDITIONER	N/A	D2NP036N05606A	SNOF8012464	R22	Class II	Medium	R290, R407C, or RS-44b	6 lbs 12 oz
CLTF CSMS	ROOF	ROOF	AIR CONDITIONER	AIR CONDITIONER	AAON inc	RM-A05-3-0-BB01-329	200809-AMGE44688	R410A	N/A	Medium	R290	240 oz
CLTF CSMS	1	OUTSIDE	AIR CONDITIONER	AIR CONDITIONER	Trane	4YCC301018A1040AA	817402A9H	R410A	N/A	Medium	R290	5 lbs 15 oz
CLTF CSMS	1	OUTSIDE	AIR CONDITIONER	AIR CONDITIONER	N/A	J06DFS10B4UAG3D	N0G8073929	R22	Class II	Medium	R290, R407C, or RS-44b	6 lbs 12 oz
CLTF CSMS	1	OUTSIDE	AIR CONDITIONER	AIR CONDITIONER	N/A	D2NP036N05606A	SNOF8012463	R22	Class II	Medium	R290, R407C, or RS-44b	6 lbs 12 oz
CLTF CSMS	1	OUTSIDE	AIR CONDITIONER	AIR CONDITIONER	N/A	D2NP042N09006A	SNOK8285998	R22	Class II	Medium	R290, R407C, or RS-44b	9 lbs 6 oz
CLTF CSMS	1	OUTSIDE	AIR CONDITIONER	AIR CONDITIONER	AAON	RM-008-3-BB02-339	200809-AMGH44862	R-410A	N/A	Medium	R290	28 lbs
CLTF CSMS	1	OUTSIDE	AIR CONDITIONER RTU-2	AIR CONDITIONER	AAON	RM-008-3-BB02-339	200809-AMGH44861	R-410A	N/A	Medium	R290	28lbs
CLTF-UTES	1	106	REFRIGERATOR	REFRIGERATOR	Whirlpool	W6RXNGFWS01	VS11068230	R134A	N/A	Medium	R290	3.75 oz
CLTF-UTES	1	D137	WATER COOLER	WATER COOLER	N/A	B1RRHS-N203	1132P09407	R134A	N/A	Medium	R290	1.3 oz
CLTF-UTES	ROOF	ROOF	AIR CONDITIONER	AIR CONDITIONER	N/A	D3NP024N03606B	SNOG8046575	R22	Class II	Medium	R290, R407C, or RS-44b	6 lbs 4 oz
CLTF-UTES	ROOF	ROOF	AIR CONDITIONER HVAC-13	AIR CONDITIONER	Trane	4YCC3018A1040AA	8181KNR9H	R410A	N/A	Medium	R290	5 lbs 15 oz
CLTF-UTES	ROOF	ROOF	AIR CONDITIONER HVAC-3	AIR CONDITIONER	N/A	D3NP024N03606B	SN0G8747087	R22	Class II	Medium	R290, R407C, or RS-44b	6 lbs 4 oz
CLTF-UTES	ROOF	ROOF	AIR CONDITIONER HVAC-6	AIR CONDITIONER	N/A	D2NZ036N05646A	SNOH8263120	R410A	N/A	Medium	R290	7 lbs 6 oz
CLTF-UTES	ROOF	ROOF	AIR CONDITIONER HVAC-4	AIR CONDITIONER	N/A	D2NP060N11046A	SN0A8541101	R22	Class II	Medium	R290, R407C, or RS-44b	8 lbs 12 oz
CLTF-UTES	1	BREAK ROOM	REFRIGERATOR	REFRIGERATOR	Whirlpool	ABB1924WEW1	K14903372	R134A	N/A	Medium	R290	4.25 oz
CLTF CSMS	1	OUTSIDE	AIR CONDITIONER	AIR CONDITIONER	N/A	J10DFS15B4UAG3D	N0G8074255	R22	Class II	Medium	R290, R407C, or RS-44b	11 lbs
CLTF CSMS	1	OUTSIDE	AIR CONDITIONER	AIR CONDITIONER	N/A	D2NP060N11046A	N0A8541098	R22	Class II	Medium	R290, R407C, or RS-44b	8 lbs 12 oz
CLTF CSMS	1	OUTSIDE	AIR CONDITIONER	AIR CONDITIONER	N/A	TSA180S4DN1G	5609F03367	R410A	N/A	Medium	R290	N/A
AASF	1	125	WATER COOLER	WATER COOLER	Hamilton Beach	87330	N/A	N/A	N/A	N/A	N/A	N/A
AASF	1	126	REFRIGERATOR	REFRIGERATOR	Profile	PTS25SHSCRSS	GD351789	R134A	N/A	Medium	R290	4.5 oz
AASF	1	126	REFRIGERATOR	REFRIGERATOR	Profile	PTS25SHSCRSS	HD351203	R134A	N/A	Medium	R290	4.5 oz
FUEL STORAGE BUILDING	1	101	DRINKING FOUNTAIN	DRINKING FOUNTAIN	Halsey Taylor	WC8AFSQ 1J	140622300	R134A	N/A	Medium	R290	4 oz
FUEL STORAGE BUILDING	1	101	AIR CONDITIONER	AIR CONDITIONER	Islandaire	EZ4215B2C1S45AA	K13-29917	R410A	N/A	Medium	R290	34.6 oz
HANGER	1	N/A	DRINKING FOUNTAIN	DRINKING FOUNTAIN	Halsey Taylor	WC8AFSQ 1J	140622295	R134A	N/A	Medium	R290	4 oz
B608	1	111	AIR CONDITIONER	AIR CONDITIONER	GE	AZ28E09DABM2	RH 311187	R22	Class II	Medium	R290, R407C, or RS-44b	23 oz
N/A	1	hallway	DRINKING FOUNTAIN	DRINKING FOUNTAIN	Sunroc	C3(rest is unreadable)	90104(S?)071	R12	Class I	High	R290	3.5 oz
B129	1	N/A	COMPRESSED AIR DRYER	COMPRESSED AIR DRYER	Hankison	PR10	0351-IT-9404-0311N	R134A	N/A	Medium	R290	5 oz

Table LH3

Air Emission Source Survey

Ozone Depleting Chemicals Survey

Date: June 13, 2017

Surveyors: Bill, Anj, Devin, Rose, Jin, Hannah, Hunter

Armory Name: Lakehurst

Armorer: David Lohman

B129	1	166	AIR CONDITIONER	AIR CONDITIONER	Airedale	CHH4/1-208/410	733632S31010035501 2510-5682 16825	R410A	N/A	Medium	R290	N/A
B129	OUTSIDE	OUTSIDE	AIR CONDITIONER	AIR CONDITIONER	N/A	MUZ-GE12NA	0000259 T	R410A	N/A	Medium	R290	2 lbs 9 oz
B129	OUTSIDE	OUTSIDE	AIR CONDITIONER	AIR CONDITIONER	N/A	MUZ-GE18NA	0000654 T	R410A	N/A	Medium	R290	3 lbs 7 oz
AASF	ROOF	ROOF	AIR CONDITIONING UNIT	AIR CONDITIONER	MITSUBISHI ELECTRIC	MXZ-4B36NA	3YU04620A	R410A	N/A	Medium	R290	8 lbs 13 oz
AASF	ROOF	ROOF	AIR CONDITIONING UNIT	AIR CONDITIONER	MITSUBISHI ELECTRIC	MUZ-GE12NA	3007953T	R410A	N/A	Medium	R290	2 lbs 9 oz
AASF	ROOF	ROOF	ERV8	AIR CONDITIONER	AAON Inc.	RN-016-3-0-0000-FJN	201310-BNWM03531	R410A	N/A	Medium	R290	N/A
AASF	ROOF	ROOF	RTU #2	AIR CONDITIONER	AAON Inc.	RN-009-3-0-BB02-EJL	201310-ANWQ03528	R410A	N/A	Medium	R290	N/A
AASF	ROOF	ROOF	ERV7	AIR CONDITIONER	AAON Inc.	RN-016-3-0-0000-FJN	201310-BNWM03530	R410A	N/A	Medium	R290	N/A
AASF	ROOF	ROOF	ERV6	AIR CONDITIONER	AAON Inc.	RN-016-3-0-0000-FJN	201310-BNWM03529	R410A	N/A	Medium	R290	N/A
AASF	ROOF	ROOF	RTU #2	AIR CONDITIONER	AAON Inc.	RQ-005-3-V-CA01-EJM	201310-AYWE00329	R410A	N/A	Medium	R290	N/A
AASF	1	ENTRANCE HALL	WATER FOUNTAIN	WATER FOUNTAIN	Halsey Taylor	OVLSERQ G	140625416	R134A	N/A	Medium	R290	N/A
AASF	2	2ND FLOOR HALL	WATER FOUNTAIN	WATER FOUNTAIN	Halsey Taylor	OVLSERQ G	140625415	R134A	N/A	Medium	R290	N/A
AASF	2	2ND FLOOR HALL	WATER FOUNTAIN	WATER FOUNTAIN	Halsey Taylor	OVLSERQ G	140625415	R134A	N/A	Medium	R290	N/A
AASF	ROOF	ROOF	AIR CONDITIONING UNIT	AIR CONDITIONER	Mitsubishi Electric	MUZ-GE12NA	3008029T	R410A	N/A	Medium	R290	2 lbs 9 oz
AASF	ROOF	ROOF	AIR CONDITIONING UNIT	AIR CONDITIONER	Mitsubishi Electric	MXZ-4B36NA	3YU04622A	R410A	N/A	Medium	R290	8 lbs 13 oz
AASF	N/A	BREAKROOM	REFRIGERATOR	REFRIGERATOR	General Electric	PTS25SHSCRSS	HD351185	R134A	N/A	Medium	R290	4.5 oz
B608	1	108	REFRIGERATOR	REFRIGERATOR		WRT13CGBZ2	BA54402165	R12	Class I	High	R290	5.25 oz 149 gm
B129	1	HALL	WATER FOUNTAIN	WATER FOUNTAIN	Elkay	EZFSTL8_1C	100832165	R134A	N/A	Medium	R290	
B129	1	109	REFRIGERATOR	REFRIGERATOR	General Electric	GTS22KCPBRCC	RL303568	R134A	N/A	Medium	R290	4.5 oz
B129	1	109	REFRIGERATOR	REFRIGERATOR	General Electric	GTS22KCPBRCC	RL303533	R134A	N/A	Medium	R290	4.5 oz
B129	1	OUTSIDE	T-5	AIR CONDITIONER	York	H5CE090A25A	SN0E7726258	R22	Class II	Medium	R290, R407C, or RS-44b	N/A
B129	1	OUTSIDE	T-4	AIR CONDITIONER	York	H5CE090A25A	SN0H7130995	R22	Class II	Medium	R290, R407C, or RS-44b	N/A
B129	1	OUTSIDE	T-3	AIR CONDITIONER	York	H5CE090A25A	SN0H7130992	R22	Class II	Medium	R290, R407C, or RS-44b	N/A
B129	1	OUTSIDE	AIR CONDITIONING UNIT	AIR CONDITIONER	York	YHJD48S41S1A	W0E8887624	R410A	N/A	Medium	R290	13 lbs 9 oz
B129	1	OUTSIDE	RM 158-E	AIR CONDITIONER	York	YHJD48S41S1A	W0E9819379	R410A	N/A	Medium	R290	13 lbs 9 oz
B129	1	OUTSIDE	AIR CONDITIONING UNIT	AIR CONDITIONER	Trane	4TTA3060A3000BA	10162MGN2F	R410A	N/A	Medium	R290	8 lbs 6 oz
B129	1	OUTSIDE	AIR CONDITIONING UNIT	AIR CONDITIONER	Trane	4TTA3060A3000BA	10162MF02F	R410A	N/A	Medium	R290	8 lbs 6 oz
B129	1	BOILER ROOM	N/A	N/A	Generation Refrigeration	6DS3R40M0-FSU-800	07D65237R	N/A	N/A	N/A	N/A	N/A
B608	1	117	COMPRESSED AIR DRYER	COMPRESSED AIR DRYER	Hankison	8010	0302A192124623N	R12	Class I	High	R290	6.5 oz
AASF	1	117	REFRIDGERATOR	REFRIDGERATOR	General Electric	GPS12FSHCSB	SD055219	R134A	N/A	Medium	R290	3.17 oz
AASF	ROOF	ROOF	AIR CONDITIONER ERV-1	AIR CONDITIONER	AAON Inc.	RN-055-3-0-0000-FHN	201310-BVWD00057	R410A	N/A	Medium	R290	N/A
AASF	ROOF	ROOF	AIR CONDITIONER ERV-2	AIR CONDITIONER	AAON Inc.	RN-055-3-0-0000-FHN	201310-BVWD00058	R410A	N/A	Medium	R290	N/A
AASF	ROOF	ROOF	AIR CONDITIONER ERV-3	AIR CONDITIONER	AAON Inc.	RN-055-3-0-0000-FHN	201310-BVWD00059	R410A	N/A	Medium	R290	N/A
AASF	ROOF	ROOF	AIR CONDITIONER ERV-4	AIR CONDITIONER	AAON Inc.	RN-055-3-0-0000-FHN	201310-BVWD00060	R410A	N/A	Medium	R290	N/A
AASF	ROOF	ROOF	AIR CONDITIONER ERV-5	AIR CONDITIONER	AAON Inc.	RN-055-3-0-0000-FHN	201310-BVWD00061	R410A	N/A	Medium	R290	N/A
AASF	ROOF	ROOF	RTU #1	AIR CONDITIONER	AAON Inc.	RN-060-3-0-BB04-EHL	201310-BNWX03535	R410A	N/A	Medium	R290	N/A
AASF	1	126	ICE MAKER	ICE MAKER	EdgeStar	IB120SS	1407400223	R134A	N/A	Medium	R290	2.4 oz
AASF	1	126	REFRIGERATOR	REFRIGERATOR	Samsung	RS2630SH	006242BX801138 V	R600	N/A	N/A	N/A	N/A
HANGER	1	HANGER	SODA DISPENSER	SODA DISPENSER	Cavalier Corp.	426020	CS-444-372	R12	Class I	High	R290	10.8 oz
B608	1	107	WATER FOUNTAIN	WATER FOUNTAIN	Elkay	EBFS-8-1	910629924	R12	Class I	High	R290	5.75 oz
B608	1	115	AIR CONDITIONER	AIR CONDITIONER	Snider General	LHD108CH	3XL00441-06	N/A	N/A	N/A	N/A	N/A
B608	1	OUTSIDE	AIR CONDITIONER	AIR CONDITIONER	Commercial Comfort	CAE090LBA	E043365336	R22	Class II	Medium	R290, R407C, or RS-44b	48 oz
B129	1	OUTSIDE	AIR CONDITIONER	AIR CONDITIONER	Mitsubishi Electric	MUZ-GE18NA	0000114 T	R410A	N/A	Medium	R290	3 LB 1.08 oz
B129	1	OUTSIDE	AIR CONDITIONER	AIR CONDITIONER	Mitsubishi Electric	MUZ-GE18NA	0000819 T	R410A	N/A	Medium	R290	3 LB 1.08 oz

Table LE3

Air Emission Source Survey

Ozone Depleting Chemicals Survey

Date: 6/5/2017
Surveyors: Rose Hannah Hunter Jon
Armory Name: Lawrenceville
Armorer: Joe Lech

Location	Floor	Room	Emission Source Name	Equipment Type (See Blue Text on Questionnaire)	Make	Model	Serial Number	Refrigerant	Class	GWP Level	Replacement Options	Amount of Refrigerant (lbs/oz)
ARMORY	1	101	AIR CONDITIONER	AIR CONDITIONING UNIT	Climatrol	MRR08F2J	DA623175 1159	R22	Class II	Medium	R290, R407C, or RS-44b	19.5 oz
ARMORY	1	101	AIR CONDITIONER	AIR CONDITIONING UNIT	Emerson Quiet Kool	7JJ7E-D	2L224924	R22	Class II	Medium	R290, R407C, or RS-44b	<4 lbs
ARMORY	1	101	AIR CONDITIONER	AIR CONDITIONING UNIT	Chrysler Corporation	R07-10H	4G494973	R22	Class II	Medium	R290, R407C, or RS-44b	<4.5 lbs
ARMORY	1	101	air condition	AIR CONDITIONING UNIT	Quiet-Air	ANGN10ABG	AZ084453	R22	Class II	Medium	R290, R407C, or RS-44b	19 oz
ARMORY	1	102	air condition	AIR CONDITIONING UNIT	Emerson Quiet Kool	7JJ7ED	2L224872	R22	Class II	Medium	R290, R407C, or RS-44b	<4 lbs
ARMORY	1	104	WINDOW UNIT	AIR CONDITIONING UNIT	Friedich	CP08E10	MEZ42946203	R22	Class II	Medium	R290, R407C, or RS-44b	17.3 oz
ARMORY	1	105	WINDOW UNIT	AIR CONDITIONING UNIT	N/A	AEM06LQW1	DZ565540	R410A	N/A	Medium	R290	12.35 oz
ARMORY	1	106	AIR CONDITIONER	AIR CONDITIONING UNIT	Frigidaire	FRA086AT7	KK14262374	R410A	N/A	Medium	R290	12.7 oz
ARMORY	1	107	WINDOW UNIT	AIR CONDITIONING UNIT	Frigidaire	FRA086AT7	KK14262508	R410A	N/A	Medium	R290	12.17 oz
ARMORY	1	108	AIR CONDITIONER	AIR CONDITIONING UNIT	Frigidaire	FRA052XT7	KK14413020	R110A	N/A	Medium	R290	8.82 oz
ARMORY	1	111	AIR CONDITIONER	AIR CONDITIONING UNIT	Frigidaire	FRA086AT7	KK142684029	R410A	N/A	Medium	R290	12.7 oz
ARMORY	1	111	REFRIGERATOR	REFRIGERATION UNIT	Summit	FF-41R	30700803	R134A	N/A	Medium	R290	2.6 oz
ARMORY	1	112	AIR CONDITIONER	AIR CONDITIONING UNIT	Kenmore	25370125001	JK02215852	R22	Class II	Medium	R290, R407C, or RS-44b	31.5 oz
ARMORY	1	115	AIR CONDITIONER	AIR CONDITIONING UNIT	Frigidaire	FRA126CT1	KK14609156	R410A	N/A	Medium	R290	18.52 oz
ARMORY	1	115	AIR CONDITIONER	AIR CONDITIONING UNIT	General Electric	ASV06LBS1	ZV750258	R22	Class II	Medium	R290, R407C, or RS-44b	13.4 oz
ARMORY	1	116	air condition	AIR CONDITIONING UNIT	Emerson Quiet Kool	9CM83-A	19E255925	R22	Class II	Medium	R290, R407C, or RS-44b	23 oz
ARMORY	1	116	air condition	AIR CONDITIONING UNIT	Emerson Quiet Kool	9CM83-A	19E255932	R22	Class II	Medium	R290, R407C, or RS-44b	23 oz
ARMORY	1	116	WINDOW UNIT	AIR CONDITIONING UNIT	Emerson Quiet Kool	9CM83-A	19E255804	R22	Class II	Medium	R290, R407C, or RS-44b	23 oz
ARMORY	1	119	AIR CONDITIONER	AIR CONDITIONING UNIT	Frigidaire	FAC104N1A1	KK40726710	R22	Class II	Medium	R290, R407C, or RS-44b	20.5 oz
ARMORY	1	119	AIR CONDITIONER	AIR CONDITIONING UNIT	Friedrich	SS09J10B-1	LAFR13431	R22	Class II	Medium	R290, R407C, or RS-44b	26 oz
ARMORY	1	128	WINDOW UNIT	AIR CONDITIONING UNIT	Frigidaire	FRA106CV1	KK20646363	R410A	N/A	Medium	R290	15.17 oz
ARMORY	1	128	air condition	AIR CONDITIONING UNIT	Kenmore	25370186000	JK01525091	R22	Class II	Medium	R290, R407C, or RS-44b	40.5 oz
ARMORY	1	137	air condition	AIR CONDITIONING UNIT	Panasonic	CW-C10MU	1459001773	R22	Class II	Medium	R290, R407C, or RS-44b	22.6 oz
ARMORY	1	138	WINDOW UNIT	AIR CONDITIONING UNIT	Airtemp	L06-1TG	1D053349	R22	Class II	Medium	R290, R407C, or RS-44b	>4 lbs
ARMORY	1	145	REFRIGERATOR	REFRIGERATION UNIT	TRUE	T-49	1-3161617	R134A	N/A	Medium	R290	17 oz
ARMORY	1	145	REFRIGERATOR	REFRIGERATION UNIT	Victory	N/A	N/A	N/A	N/A	N/A	N/A	N/A
ARMORY	1	145	ICE MACHINE	ICE MACHINE		SD1002A	110722439	R404A	N/A	High	R290	34 oz
ARMORY	1	145	FREEZER 7	FREEZER	KCP Company	6DF-2	386705	R12	Class I	High	R290	15 oz
ARMORY	1	145	chilling counter	CHILLED SERVING COUNTER	Ranco Inc.	MRCP-3720-4-CP	103	R12	Class I	High	R290	4 lbs
ARMORY	1	146	AIR CONDITIONER	AIR CONDITIONING UNIT	Frigidaire	FRA052XT7	KK14413032	R410A	N/A	Medium	R290	8.82 oz
ARMORY	1	150	ice machine	ICE MACHINE	Manitowoc	QD0213W	980663302	R404A	N/A	High	R290	11 oz
ARMORY	1	150	KEGGERATOR	REFRIGERATION UNIT	Rapids Inc	AE3430AL	7C770670	R12	Class I	High	R290	
ARMORY	1	150	keggerator	REFRIGERATION UNIT	Danby	DKC645BL	108030101640	R134A	N/A	Medium	R290	2.4 oz
ARMORY	1	153	KEGFRIDGE	REFRIGERATION UNIT	Beverage-Air Corporation	DD50	5702461	R134A	N/A	Medium	R290	7.5 oz
ARMORY	1	153	ice machine	ICE MACHINE	Manitowoc	QD0213W	980766392	R404A	N/A	High	R290	11 oz
ARMORY	1	153	refrigerator	REFRIGERATION UNIT	Traulsen	G20010	T63997K16	R134A	N/A	Medium	R290	16 oz
ARMORY	1	153	ICE MACHINE	ICE MACHINE	Hoshizaki	KML-631MAH	V01811E	R404A	N/A	High	R290	2 lbs 10.3 oz
ARMORY	1	171	air condition	AIR CONDITIONING UNIT	Frigidaire	FRA126CT1	KK14659721	R410A	N/A	Medium	R290	18.52 oz
ARMORY	1	171	WINDOW UNIT	AIR CONDITIONING UNIT	Fedders	A3Q05F2AG	GL 862341 2099	N/A	N/A	N/A	N/A	N/A
ARMORY	1	173	air condition	AIR CONDITIONING UNIT	Friedrich	CP05N10	LGAK000408	R22	Class II	Medium	R290, R407C, or RS-44b	7.2oz
ARMORY	1	185	air condition	AIR CONDITIONING UNIT	Quiet-Air	ASN06LAS1	ZZ868206	R22	Class II	Medium	R290, R407C, or RS-44b	13.4 oz
ARMORY	1	OUTSIDE	SPLIT SYSTEM HEAT PUMP	AIR CONDITIONING UNIT	Mitsubishi	PUH18EK	0YD00146A	R22	Class II	Medium	R290, R407C, or RS-44b	5 lbs 8 oz
ARMORY	1	OUTDOOR	air condition	AIR CONDITIONING UNIT	Trane	4TTA3048D3000AA	11275P765F	R410A	N/A	Medium	R290	6 lbs 13 oz
ARMORY	1	OUTDOOR	air condition	AIR CONDITIONING UNIT	Trane	4TTA3048D3000AA	11275P7S5F	R410A	N/A	Medium	R290	6 lbs 13 oz
ARMORY	1	OUTSIDE	AIR CONDITIONER	AIR CONDITIONING UNIT	N/A	NXA642GKA100	E132815619	R410A	N/A	Medium	R290	8.62 lbs
ARMORY	1	HALL	DRINKING FOUNTAIN	DRINKING WATER FOUNTAIN	Elkay	EZFS8_1A	30519752	R134A	N/A	Medium	R290	4.10 oz
ARMORY	1	HALL	DRINKING FOUNTAIN	DRINKING WATER FOUNTAIN	Elkay	EZFS8_1E	130811934	R134A	N/A	Medium	R290	4 oz
ARMORY	1	KITCHEN	REFRIGERATOR	REFRIGERATION UNIT	Traulsen	G20010	T95792E15	R134A	N/A	Medium	R290	16 oz
ARMORY	1	N/A	AC	AIR CONDITIONING UNIT	Electrolux	FRA086AT7	KK14264029	R410A	N/A	Medium	R290	12.17 oz
ARMORY	2	201	AIR CONDITIONER	AIR CONDITIONING UNIT	Friedrich	SS11H30A	89ES08617	R22	Class II	Medium	R290, R407C, or RS-44b	20 oz
ARMORY	2	204	AIR CONDITIONER	AIR CONDITIONING UNIT	Friedich	614-953-00	89ES08623	R22	Class II	Medium	R290, R407C, or RS-44b	20 oz
ARMORY	2	204	air condition	AIR CONDITIONING UNIT	Air Temp	CLR07F2K	GA3591202089	R22	Class II	Medium	R290, R407C, or RS-44b	20 oz
ARMORY	2	211	air condition	AIR CONDITIONING UNIT	Air Temp	N/A	CR237694	N/A	N/A	N/A	N/A	N/A
ARMORY	2	211	WINDOW AC UNIT	AIR CONDITIONING UNIT	Emerson Quiet Kool	5DC62-B	19K376339	R22	Class II	Medium	R290, R407C, or RS-44b	14 oz
ARMORY	2	211	AIR CONDITIONER	AIR CONDITIONING UNIT	Airtemp	B6X06F2A-D	CR 237006 0747	N/A	N/A	N/A	N/A	N/A

Summary of Totals	
Class 1'(s)	6
Class 2'(s)	63
GWP'(s)	134
Missing Code'(s)	10

GWP Level Index*	
High	Greater than 2500
Medium	150-2500
Low	Less than 150

*Values are from Linde Gas and IPCC 4th Assessment Report, 2007. Global Warming Potential (GWP) based 100 year.

GWP Level Totals**	
High	12
Medium	122
Low	0

**Totals do not reflect the refrigerant units missing codes.

Table LE3

Air Emission Source Survey

Ozone Depleting Chemicals Survey

Date: 6/5/2017

Surveyors: Rose Hannah Hunter Jon

Armory Name: Lawrenceville

Armorer: Joe Lech

ARMORY	2	214	AIR CONDITIONER	AIR CONDITIONING UNIT	Frigidaire	FRA052XT7	KK14326115	R410A	N/A	Medium	R290	8.82 oz
ARMORY	2	215	WINDOW AC UNIT	AIR CONDITIONING UNIT	Emerson Quiet Kool	5DC62-B	19K376337	R22	Class II	Medium	R290, R407C, or RS-44b	14 oz
ARMORY	2	217	AIR CONDITIONER	AIR CONDITIONING UNIT	Friedrich	XQ07J10-1	LAFR02308	R22	Class II	Medium	R290, R407C, or RS-44b	24 oz
ARMORY	2	218	AIR CONDITIONER	AIR CONDITIONING UNIT	Airtemp	CLR06F2K	GA3622662089	R22	Class II	Medium	R290, R407C, or RS-44b	13.5 oz
ARMORY	2	219	air condition	AIR CONDITIONING UNIT	GE	AGN08FBG1	DZ037094	R22	Class II	Medium	R290, R407C, or RS-44b	13.6 oz
ARMORY	2	222	air condition	AIR CONDITIONING UNIT	Friedrich	CP05N10	LGKA000595	R22	Class II	Medium	R290, R407C, or RS-44b	7.7 oz
ARMORY	2	223	AIR CONDITIONER	AIR CONDITIONING UNIT	Goodman	RC06010A10	9510142698	R22	Class II	Medium	R290, R407C, or RS-44b	19 oz
ARMORY	2	223	air condition	AIR CONDITIONING UNIT	Sharp	NA	412932624	R22	Class II	Medium	R290, R407C, or RS-44b	42 oz
ARMORY	2	226	AIR CONDITIONER	AIR CONDITIONING UNIT	General Electric	AGN08FBG1	ZV 001285	R22	Class II	Medium	R290, R407C, or RS-44b	13.6 oz
ARMORY	2	227	AIR CONDITIONER	AIR CONDITIONING UNIT	Climatrol	MRR08F2J	DA8221031159	R22	Class II	Medium	R290, R407C, or RS-44b	19.5 oz
ARMORY	2	229	WINDOW AC UNIT	AIR CONDITIONING UNIT	Kenmore	25371055001	JK01038513	R22	Class II	Medium	R290, R407C, or RS-44b	17.5 oz
ARMORY	2	230	WATER COOLER	REFRIGERATION UNIT	Primo	900118	000072V	R134A	N/A	Medium	R290	1.13 oz
ARMORY	2	230	AIR CONDITIONER	AIR CONDITIONING UNIT	Whirlpool	ACQ108MR0	QMS1224519	R22	Class II	Medium	R290, R407C, or RS-44b	21 oz
ARMORY	2	232	AIR CONDITIONER	AIR CONDITIONING UNIT	Goodman	N/A	N/A	N/A	N.A	N/A	N/A	N/A
ARMORY	2	231	air condition	AIR CONDITIONING UNIT	Friedich	SS12J30D-A	LCAR09902	R22	Class II	Medium	R290, R407C, or RS-44b	29 oz
ARMORY	2	HALL	WATER FOUNTAIN	DRINKING WATER FOUNTAIN	Elkay	HEW3 1K	120731173	R134A	N/A	Medium	R290	4.0 oz
ARMORY	2	234	air condition	AIR CONDITIONING UNIT	GE	AGF12AAG1	AF014668	R22	Class II	Medium	R290, R407C, or RS-44b	17.8 oz
ARMORY	2	234	air condition	AIR CONDITIONING UNIT	Airtemp	CLR06F2K	KZ112587288	R22	Class II	Medium	R290, R407C, or RS-44b	13.5 oz
DMAVA	BASEMENT	102	REFRIGERATOR	REFRIGERATION UNIT	Amana	ABB192WEW1	K21111085	R134A	N/A	Medium	R290	4.25 oz
DMAVA	BASEMENT	102	REFRIGERATOR	REFRIGERATION UNIT	Amana	ABB192WEW1	K20313408	R134A	N/A	Medium	R290	4.25 oz
DMAVA	BASEMENT	102	VENDING MACHINE	REFRIGERATION UNIT	Merchandising System	449D	449-012084	R134A	N/A	Medium	R290	9.8 oz
DMAVA	BASEMENT	102	COOLING COUNTER	CHILLED SERVING COUNTER	Duke	327-25SS-N7M	10102461	R134A	N/A	Medium	R290	9 oz
DMAVA	BASEMENT	102	REFRIGERATOR	REFRIGERATION UNIT	Beverage-Air Corporation	WTR67A	9506000	R134A	N/A	Medium	R290	6.75 oz
DMAVA	BASEMENT	102	REFRIGERATOR	REFRIGERATION UNIT	Beverage-Air Corperation	LV45-1-B	9409763	R134A	N/A	Medium	R290	10 oz
DMAVA	BASEMENT	102	ICE MACHINE	ICE MACHINE	Manitowoc	S-200	610116046	R28A	N/A	N/A	Unknown	N/A
DMAVA	BASEMENT	102	DRINKING FOUNTAIN	DRINKING FOUNTAIN	Elkay	LMABF8WS_1D	170218892	R134A	N/A	Medium	R290	4 oz
DMAVA	BASEMENT	104	REFRIGERATOR	REFRIGERATION UNIT	Beverage-Air Corporation	KF48-1AS	9026771	R404A	N/A	High	R290	18.34 oz
DMAVA	BASEMENT	104	REFRIGERATOR	REFRIGERATION UNIT	Beverage-Air Corporation	KR48-1AS	9026901	R134A	N/A	Medium	R290	12.7 oz
DMAVA	BASEMENT	112	REFRIGERATOR	REFRIGERATION UNIT	GE	GTS21KBXAWW	RS 139815	R134A	N/A	Medium	R290	3.88 oz
DMAVA	BASEMENT	124	AIR CONDITIONER	AIR CONDITIONING UNIT	NCP	S240A-13K11-0	N/A	R22	Class II	Medium	R290, R407C, or RS-44b	2.8 lbs
DMAVA	BASEMENT	141	DEHUMIDIFIER	AIR CONDITIONING UNIT	Wood's	GDO124CW	15346892JP	R22	Class II	Medium	R290, R407C, or RS-44b	334 g
DMAVA	BASEMENT	141	DEHUMIDIFIER	AIR CONDITIONING UNIT	Oasis	DC-45-D100	333250495	R134A	N/A	Medium	R290	11.5 oz
DMAVA	BASEMENT	153	REFRIGERATOR	REFRIGERATION UNIT	Summit	FF-1070	H200600116	R134A	N/A	Medium	R290	3.5 oz
DMAVA	1	OUTSIDE	HEAT PUMP	HEAT PUMP	Trane	4TWA3048B4000BA	13422S8P4F	R410A	N/A	Medium	R290	8 lbs 10 oz
DMAVA	1	OUTSIDE	AC UNIT	AIR CONDITIONING UNIT	Trane	YHJD60S44S4A	W1H1273112	R410A	N/A	Medium	R290	13 lbs 13 oz
DMAVA	1	OUTSIDE	AC UNIT	AIR CONDITIONING UNIT	Trane	BTD712A100A0	X04203885	R22	Class II	Medium	R290, R407C, or RS-44b	2 lbs 10 oz
DMAVA	1	OUTSIDE	CONDENSING UNIT	AIR CONDITIONING UNIT	Mirsubishi Electric	MU-A12WA-1	0003720 T	R410A	N/A	Medium	R290	3 lbs 1 oz
DMAVA	1	OUTSIDE	CONDENSING UNIT	AIR CONDITIONING UNIT	Mirsubishi Electric	PUG36BKB	1184310	R22	Class II	Medium	R290, R407C, or RS-44b	130 oz
DMAVA	1	OUTSIDE	AIR CONDITIONER	AIR CONDITIONING UNIT	Mitsubishi	PURY-P72TJMU-A	0YW00279	R410A	N/A	Medium	R290	23 lbs 2 oz
DMAVA	ROOF	OUTSIDE	AC UNIT 1	AIR CONDITIONING UNIT	York	HB360C00A4CAA2B	SN0G5520908	R22	Class II	Medium	R290, R407C, or RS-44b	N/A
DMAVA	ROOF	OUTSIDE	AC UNIT 4	AIR CONDITIONING UNIT	York	H4CE180A46A	SN0G5425490	R22	Class II	Medium	R290, R407C, or RS-44b	N/A
DMAVA	ROOF	OUTSIDE	AC UNIT 5	AIR CONDITIONING UNIT	York	H4CE240A46A	SN0G5513124	R22	Class II	Medium	R290, R407C, or RS-44b	N/A
DMAVA	ROOF	OUTSIDE	AIR CONDITIONER 2	AIR CONDITIONING UNIT	York	HB360C00A4CAA2B	SN0F5314340	R22	Class II	Medium	R290, R407C, or RS-44b	N/A
DMAVA	ROOF	OUTSIDE	AIR CONDITIONER	AIR CONDITIONING UNIT	York	HB360C00A4CAA2B	N0G5520909	R22	Class II	Medium	R290, R407C, or RS-44b	N/A
DMAVA	ROOF	OUTSIDE	AIR CONDITIONER 3	AIR CONDITIONING UNIT	York	HB600C00A4CAA2	N0G5532731	R22	Class II	Medium	R290, R407C, or RS-44b	N/A
DMAVA	ROOF	401	REFRIGERATED AIR DRYER	AIR CONDITIONING UNIT	Speedair	5UZ84	2453040-002	R134A	N/A	Medium	R290	9 oz.
HSCOE	1	100	WATER FOUNTAIN	DRINKING WATER FOUNTAIN	Halsey Taylor	HAC8FSQ 1E	230081641	R134A	N/A	Medium	R290	4.43 oz
HSCOE	1	112	AIR CONDITIONER	AIR CONDITIONING UNIT	Fedders	AEP09D2BCOM*B	EU779931 138W	R22	Class II	Medium	R290, R407C, or RS-44b	18.4 oz
HSCOE	1	112	AIR CONDITIONER	AIR CONDITIONING UNIT	Tripp-Lite	N/A	2542AUIAC88E000230	R410A	N/A	Medium	R290	20.8 oz
HSCOE	1	112	DEHUMIDIFIER	AIR CONDITIONING UNIT	Danby	DPAC 7597	1.19802E+15	R22	Class II	Medium	R290, R407C, or RS-44b	N/A
HSCOE	1	125	SELF CONTAINED MULTI ZONEAIR CONDITIONER	AIR CONDITIONING UNIT	Trane	SAMZ404	L0E609532	R22	Class II	Medium	R290, R407C, or RS-44b	N/A
HSCOE	1	129	REFRIGERATOR	REFRIGERATION UNIT	Haier	HRT21R2APP	BL04H5E9000TAFBR0258	R134A	N/A	Medium	R290	3.7 oz
HSCOE	1	N/A	AIR CONDITIONER	AIR CONDITIONING UNIT	Trane	LPCAF10F1COR6A000 00003EAFE010000000 00	T02M87481	R12, R22, R134A	Class I	N/A	R290, R407C, or RS-44b	N/A
HSCOE	1	OUTSIDE	AIR CONDITIONER	AIR CONDITIONING UNIT	Panasonic	CU-KS36NKUA	00346 22 85221346455002	R410A	N/A	Medium	R290	6.5 lbs

Table LE3

Air Emission Source Survey

Ozone Depleting Chemicals Survey

Date: 6/5/2017

Surveyors: Rose Hannah Hunter Jon

Armory Name: Lawrenceville

Armorer: Joe Lech

HSCOE	1	OUTSIDE	AIR CONDITIONER	AIR CONDITIONING UNIT	Liebert	MCS028E1YDC978	Y15JAX0039	R410A	N/A	Medium	R290	N/A
HSCOE	1	OUTSIDE	AIR CONDITIONER	AIR CONDITIONING UNIT	Trane	TTA090A400EA	24743W2AD	R22	Class II	Medium	R290, R407C, or RS-44b	N/A
HSCOE	1	OUTSIDE	AIR CONDITIONER	AIR CONDITIONING UNIT	Trane	CA-4008	861-59A0C-35950	R22	Class II	Medium	R290, R407C, or RS-44b	N/A
HSCOE	1	OUTSIDE	AIR CONDITIONER	AIR CONDITIONING UNIT	ICP Commercial	N2H336GHB100	E071204715	R438A	N/A	Medium	R290	7.8 lbs
HSCOE	1	OUTSIDE	AIR CONDITIONER	AIR CONDITIONING UNIT	Liebert	TTA120B400DA	2323292AD	R22	Class II	Medium	R290, R407C, or RS-44b	N/A
HSCOE	1	OUTSIDE	AIR CONDITIONER	AIR CONDITIONING UNIT	Liebert	DCDF165-A	0451C746811	N/A	N/A	N/A	R290	N/A
HSCOE	1	OUTSIDE	AIR CONDITIONER	AIR CONDITIONING UNIT	N/A	N/A	N/A	R22	Class II	Medium	R290, R407C, or RS-44b	10 lbs
HSCOE	1	OUTSIDE	AIR CONDITIONER	AIR CONDITIONING UNIT	Trane	TTA180B400EA	2325NWGAD	R23	N/A	High	N/A	N/A
HSCOE	1	OUTSIDE	AIR CONDITIONER	AIR CONDITIONING UNIT	Daikin	RZQ42PVJU9	E000691	R410A	N/A	Medium	R290	8.8 lbs 4 kg
HSCOE	ROOF	ROOF	AIR CONDITIONER	AIR CONDITIONING UNIT	Sanyo	CH2672R	24672	R410A	N/A	Medium	R290	4.2 lbs
HSCOE	ROOF	ROOF	AIR CONDITIONER	AIR CONDITIONING UNIT	Sanyo	CH2672R	16872	R410A	N/A	Medium	R290	4.2 lbs
HSCOE	ROOF	ROOF	AIR CONDITIONER	AIR CONDITIONING UNIT	Sanyo	CL2472	76304	R410A	N/A	Medium	R290	4.3 lbs
HSCOE	ROOF	ROOF	AIR CONDITIONER	AIR CONDITIONING UNIT	Trane	TTA036C400A0	P1434C7FF	R22	Class II	Medium	R290, R407C, or RS-44b	5 lbs
HSCOE	ROOF	ROOF	AIR CONDITIONER	AIR CONDITIONING UNIT	York	DH102C00B4AAA2A	NHLM094B42	R22	Class II	Medium	R290, R407C, or RS-44b	SYSTEM 1: 10 lbs SYSTEM 2: 9 lbs 8 oz
HSCOE	ROOF	ROOF	AIR CONDITIONER	AIR CONDITIONING UNIT	York	D2EG048N06046BDE	NAGM010184	R22	Class II	Medium	R290, R407C, or RS-44b	9 lbs 8 oz
HSCOE	ROOF	ROOF	AIR CONDITIONER	AIR CONDITIONING UNIT	York	DH090C00B4AAA2A	NHLM094911	R22	Class II	Medium	R290, R407C, or RS-44b	SYSTEM 1: 6 lbs 2 oz SYSTEM 2: 5 lbs 14 oz
FMS	1	101	RECOVERY REFRIDG	N/A	National Automotive	N/A	N/A	R134A	N/A	Medium	R290	30 lbs
FMS	1	101	DRINKING FOUNTAIN	DRINKING WATER FOUNTAIN	Halsey Taylor	SW4AQ_1M	81015182	R134A	N/A	Medium	R290	3.7 oz
FMS	1	102	AIR CONDITIONER	AIR CONDITIONING UNIT	Electrolux	FALL135M1A1	JK30214061	R22	Class II	Medium	R290, R407C, or RS-44b	32.50 oz
FMS	1	104	AIR CONDITIONER	AIR CONDITIONING UNIT	Friedich	CP15G10A	MEZ64846209	R410A	N/A	Medium	R290	24.7 oz
FMS	1	105	REFRIGERATOR	REFRIGERATION UNIT	Whirlpool	ET8WTKXKT0	ER4012941	R134A	N/A	Medium	R290	4 oz
FMS	1	105	REFRIGERATOR	REFRIGERATION UNIT	Magic Chef	RB15FN-2A	MP 36056020	R12	Class I	High	R290	5 oz
FMS	1	105	DRINKING FOUNTAIN	DRINKING WATER FOUNTAIN	Elkay	EMAF8_1B	101130795	R134A	N/A	Medium	R290	3.65 oz
FMS	1	111	RECOVERY UNIT	RECOVERY UNIT	Robinair	17800B	N/A	R134A	N/A	Medium	R290	N/A
FMS	1	OUTSIDE	AIR CONDITIONER	AIR CONDITIONING UNIT	Daikin Idust	RKN24KEVJU	C004078	R410A	N/A	Medium	R290	3.2
BLDING 4	1	104	AIR CONDITIONER	AIR CONDITIONING UNIT	Airtemp	B2Q10F2A	JH132928 2636	R22	Class II	Medium	R290, R407C, or RS-44b	17.5 oz
BLDING 4	1	104	AIR CONDITIONER	AIR CONDITIONING UNIT	Airtemp	R07-I0H	40495141	R22	Class II	Medium	R290, R407C, or RS-44b	< 4.5 lbs
BUILDING 161	1	101	RECOVERY SYSTEM	RECOVERY UNIT	Robinair	34788	254080	R134A	N/A	Medium	R290	1 tank
BUILDING 161	1	101	RECOVERY SYSTEM	RECOVERY UNIT	Robinair	34788	254083	R134A	N/A	Medium	R290	1 tank
BUILDING 161	1	102	AIR CONDITIONER	AIR CONDITIONING UNIT	Fredrich	FFRE0533Q1	KK41341105	R410A	N/A	Medium	R290	10.58 oz
BUILDING 161	1	105	AIR CONDITIONER	AIR CONDITIONING UNIT	Climatrol	N/A	N/A	N/A	N/A	N/A	N/A	N/A
BUILDING 161	1	105	WATER COOLER	REFRIGERATION UNIT		TPUIH WHITE	97179135	N/A	N/A	N/A	N/A	N/A
BUILDING 161	1	105	REFRIGERATOR	REFRIGERATION UNIT	Hot Point	CTXY14CPJRWH	HG802336	R12	Class I	High	R290	4.88 oz
MARSHALL'S BUILDING	1	101	WATER FOUNTAIN	DRINKING WATER FOUNTAIN	Elkay	EHF-8-1	860767476	R12	Class I	High	R290	5.75 oz
MARSHALL'S BUILDING	ROOF	ROOF	AIR CONDITIONER	AIR CONDITIONING UNIT	N/A	TGA120S2BH1Y	5608D10742	N/A	N/A	N/A	N/A	N/A
MARSHALL'S BUILDING	1	OUTSIDE	AIR CONDITIONER	AIR CONDITIONING UNIT	Rheem	RAKA-042JAZ	5461 M0200 09690	R22	Class II	Medium	R290, R407C, or RS-44b	79 oz

Air Emission Source Survey

Ozone Depleting Chemicals Survey

Date: 8/2/2017
Surveyors: Bill McBride, Hannah Buckley, and Hunter Davis
Armory Name: Lodi
Armorer: Frank Martinez

Location	Floor	Room	Emission Source Name	Equipment Type (See Blue Text on Questionnaire)	Make	Model	Serial Number	Refrigerant	Class	GWP Level	Replacement Options	Amount of Refrigerant (lbs/oz)
ARMORY	1	117	WATER COOLER	WATER COOLER	Halsey Taylor	G8MAKV D	60227926	R134A	N/A	Medium	R290	1.6 oz
ARMORY	1	144	WATER COOLER	WATER COOLER	Oasis	BPD1SHS-H203	N/A	R134A	N/A	Medium	R290	1.3 oz
ARMORY	1	144	REFRIGERATION UNIT	REFRIGERATION UNIT	GE	GTH21KBXAWW	HV 132507	R134A	N/A	Medium	R290	4.23 oz
ARMORY	1	140	SPLIT UNIT	SPLIT UNIT	Lennox	CB29M-65-1P	5899J 26762	N/A	N/A	N/A	N/A	N/A
ARMORY	1	118A	SPLIT UNIT	SPLIT UNIT	Lennox	CB29M-65-1P	5899J 26743	N/A	N/A	N/A	N/A	N/A
ARMORY	1	120	AIR CONDITIONING UNIT	AIR CONDITIONING UNIT	White-Westinghouse	WAL123H1A4	JK93818382	R22	Class II	Medium	R290, R407C, or RS-44b	26.5 oz
ARMORY	1	120	AIR CONDITIONING UNIT	AIR CONDITIONING UNIT	White-Westinghouse	WAL123H1A4	JK93214459	R22	Class II	Medium	R290, R407C, or RS-44b	26.5 oz
ARMORY	1	121	AIR CONDITIONING UNIT	AIR CONDITIONING UNIT	White-Westinghouse	WAL123H1A4	JK93214425	R22	Class II	Medium	R290, R407C, or RS-44b	26.5 oz
ARMORY	1	121	AIR CONDITIONING UNIT	AIR CONDITIONING UNIT	White-Westinghouse	WAL123H1A4	JK93214470	R22	Class II	Medium	R290, R407C, or RS-44b	26.5 oz
ARMORY	1	122	WATER COOLER	WATER COOLER	Oasis	BPD1SHS-H203	1530020033A	R134A	N/A	Medium	R290	1.3 oz
ARMORY	1	135	AIR CONDITIONING UNIT	AIR CONDITIONING UNIT	Friedrich	SL33J30	JDLS07502	R22	Class II	Medium	R290, R407C, or RS-44b	81 oz
ARMORY	1	128	AIR CONDITIONING UNIT	AIR CONDITIONING UNIT	Friedrich	KQ08J10A	JHAS03154	R22	Class II	Medium	R290, R407C, or RS-44b	18 oz
ARMORY	1	129	AIR CONDITIONING UNIT	AIR CONDITIONING UNIT	Friedrich	KQ08J10A	JGMS00681	R22	Class II	Medium	R290, R407C, or RS-44b	18 oz
Outside	N/A	N/A	AIR CONDITIONING UNIT	AIR CONDITIONING UNIT	bryant	593CJ060-D	1405E26896	R22	Class II	Medium	R290, R407C, or RS-44b	8.75 lbs
Outside	N/A	N/A	AIR CONDITIONING UNIT	AIR CONDITIONING UNIT	Lennox	HS29-048-1P	5899J 16892	R22	Class II	Medium	R290, R407C, or RS-44b	5 lbs 11 oz
Outside	N/A	N/A	AIR CONDITIONING UNIT	AIR CONDITIONING UNIT	Lennox	HS29-048-1P	5899J 16895	R22	Class II	Medium	R290, R407C, or RS-44b	5 lbs 11 oz
MVSB 2	1	MVSB1-2	WATER COOLER	WATER COOLER	Crystal Rock	GLE D2WHW18C	1106069805278	R134A	N/A	Medium	R290	1 oz
MVSB 2	1	MVSB1-2	REFRIGERATION UNIT	REFRIGERATION UNIT	Whirlpool	ET0MSRXTQ02	VS01690019	R134A	N/A	Medium	R290	3 oz
MVSB 2	1	MVSB1-1	WATER COOLER	WATER COOLER	Drinking Water Coolers	Visions White-VW210	SA09C01619	R134A	N/A	Medium	R290	35 g
Outside	N/A	N/A	AIR CONDITIONING UNIT	AIR CONDITIONING UNIT	CAC/BDP	PA13NR060-J	1312X76912	R22	Class II	Medium	R290, R407C, or RS-44b	10.52 lbs
MVSB 1	1	MVSB1-3	AIR CONDITIONING UNIT	AIR CONDITIONING UNIT	Kenmore	N/A	N/A	N/A	N/A	N/A	N/A	N/A
MVSB 1	1	MVSB1-4	AIR CONDITIONING UNIT	AIR CONDITIONING UNIT	Friedrich	N/A	N/A	N/A	N/A	N/A	N/A	N/A
MVSB 1	1	MVSB1-6	AIR CONDITIONING UNIT	AIR CONDITIONING UNIT	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
MVSB 1	1	MVSB1-6	WATER COOLER	WATER COOLER	Oasis	BPD1SHS-H203	1637624773	R134A	N/A	Medium	R290	1.3 oz
MVSB 1	1	MVSB1-8	REFRIGERATION UNIT	REFRIGERATION UNIT	GE	N/A	N/A	N/A	N/A	N/A	N/A	N/A
MVSB 1	1	MVSB1-8	VEHICLE RECOVERY REFRIGERATION UNIT	VEHICLE RECOVERY REFRIGERATION UNIT	Robinair	34788NI-H	763167139	R134A	N/A	Medium	R290	30 lb tank
MVSB 1	1	MVSB1-8	VEHICLE RECOVERY REFRIGERATION UNIT	VEHICLE RECOVERY REFRIGERATION UNIT	Envirotech	System I	08010465V	R12	Class I	High	R290	N/A

Summary of Totals	
Class 1'(s)	1
Class 2'(s)	11
GWP'(s)	21
Missing Code'(s)	6

GWP Level Index*	
High	Greater than 2500
Medium	150-2500
Low	Less than 150

*Values are from Linde Gas and IPCC 4th Assessment Report, 2007. Global Warming Potential (GWP) based 100 year.

GWP Level Totals**	
High	1
Medium	20
Low	0

**Totals do not reflect the refrigerant units missing codes.

Table MN3

Air Emissions Source Survey

Ozone Depleting Chemicals Survey

Date: 6/26/2017
Surveyors: Bill McBride, Hannah Buckley, Hunter Davis
Armory Name: Morristown
Armorer: Collin Thomas

Location	Floor	Room	Emission Source Name	Equipment Type (See Blue Text on Questionnaire)	Make	Model	Serial Number	Refrigerant	Class	GWP Level	Replacement Options	Amount of Refrigerant (lbs/oz)
ARMORY	1	100	DRINKING FOUNTAIN	Drinking Fountain	Elkay	EZFS8	30512485	R134A	N/A	Medium	R290	4.1oz
ARMORY	1	109	AIR CONDITIONER	WINDOW UNIT	Maytag	Uknown	MP 242298 339Y	R22	Class II	Medium	R290, R407C, or RS-44b	16.25oz
ARMORY	1	110	REFRIGERATOR	KEGGERATOR	Kegco	MDK-209B-01	142458MDK-209B-01201503075	R600A	N/A	Low	N/A	1.13oz
ARMORY	1	112	REFRIGERATOR	REFRIGERATOR	Frigidaire	FPD12TFLO	LA91317744	R12	Class I	High	R290	4oz
ARMORY	2	201	AIR CONDITIONER	WINDOW UNIT	Friedrich	CP06E10	Uknown	R22	Class II	Medium	R290, R407C, or RS-44b	10.1oz
ARMORY	2	201	AIR CONDITIONER	WINDOW UNIT	Frigidaire	FAA055M7A1	JK31731756	R22	Class II	Medium	R290, R407C, or RS-44b	14.5 oz
ARMORY	2	202	AIR CONDITIONER	WINDOW UNIT	Friedrich	SS09J10B-1	LADR14616	R22	Class II	Medium	R290, R407C, or RS-44b	26oz
ARMORY	2	202	AIR CONDITIONER	WINDOW UNIT	Hampton Bay	HBQ051A-N	BL 676606 0559	R22	Class II	Medium	R290, R407C, or RS-44b	9.25 oz
ARMORY	2	202	AIR CONDITIONER	WINDOW UNIT	Friedrich	XQ07J10-1	LAFR02336	R22	Class II	Medium	R290, R407C, or RS-44b	24oz
ARMORY	2	202	AIR CONDITIONER	WINDOW UNIT	Zenith	ZW5000Y8	805TAKK00829	R22	Class II	Medium	R290, R407C, or RS-44b	7.8oz
ARMORY	2	202	AIR CONDITIONER	WINDOW UNIT	Frigidaire	FAA055M7A1	JK31116274	R22	Class II	Medium	R290, R407C, or RS-44b	14.5 oz
ARMORY	2	202	AIR CONDITIONER	WINDOW UNIT	Maytag	M6X08F2B-G	MS 215331 336Y	R22	Class II	Medium	R290, R407C, or RS-44b	16.25oz
ARMORY	2	203	AIR CONDITIONER	WINDOW UNIT	Hampton Bay	HBTE120-A	CN 929535 0731	R22	Class II	Medium	R290, R407C, or RS-44b	20.25oz
ARMORY	2	204	AIR CONDITIONER	WINDOW UNIT	Quasar	HQ2122DW	176002855	R22	Class II	Medium	R290, R407C, or RS-44b	32.1oz
ARMORY	2	206	ICE MACHINE	ICE MACHINE	Whirlpool	CCSF-1A	813 05802	R12	Class I	High	R290	13.5oz
ARMORY	2	208	AIR CONDITIONER	WINDOW UNIT	Friedrich	SS09J10B-1	LADR14617	R22	Class II	Medium	R290, R407C, or RS-44b	26oz
ARMORY	2	207	AIR CONDITIONER	WINDOW UNIT	Friedrich	SS09J10B-1	LAFR13401	R22	Class II	Medium	R290, R407C, or RS-44b	26oz
ARMORY	2	212	REFRIGERATOR	REFRIGERATOR	True Manufacturing Co.	T-49	1-3161737	R134A	N/A	Medium	R290	17oz
ARMORY	2	212	REFRIGERATOR	REFRIGERATOR	NORLAKE	NR211SAS/1	97010205	R22	Class II	Medium	R290, R407C, or RS-44b	16oz
ARMORY	2	212	FREEZER	FREEZER	Traulsen	G22010	T167008G11	404A	N/A	High	R290	23oz
ARMORY	2	212	REFRIGERATOR	REFRIGERATOR	Victory	RAA-2D-S9	N9948531	R134A	N/A	Medium	R290	13oz
ARMORY	2	213	REFRIGERATOR	REFRIGERATOR	Victory	RAA-2D-S9	G0056708	R134A	N/A	Medium	R290	13oz
ARMORY	2	213	ICE MACHINE	ICE MACHINE	Manitowoc	QY0214A	310107189	R404A	N/A	High	R290	13oz
OMS	1	102	AIR CONDITIONER	WINDOW UNIT	Whirlpool	Uknown	Uknown	Uknown	N/A	N/A	N/A	Uknown
ARMORY	1	104	AIR CONDITIONER	WINDOW UNIT	Friedrich	SS09J10B-1	LADR14630	R22	Class II	Medium	R290, R407C, or RS-44b	26oz
ARMORY	2	211	COOLING COUNTER	Cooling Counter	Duke	316-25SS-N7	7113518	R134A	N/A	Medium	R290	11oz
ARMORY	2	211	REFRIGERATOR	COCA-COLA REFRIGERATOR	True Manufacturing Co.	GDM-33	780268	R12	Class I	High	R290	18oz
ARMORY	1	113	DEHUMIDIFIER	DEHUMIDIFIER	Emerson Quiet Kool	DG50G-N	MJ301453 3567	R22	Class II	Medium	R290, R407C, or RS-44b	11.25oz
ARMORY	1	103	AIR CONDITIONER	WINDOW UNIT	GE	AEL06LSQ1	ZA665073	R410A	N/A	Medium	R290	12.7oz

Summary of Totals	
Class 1'(s)	3
Class 2'(s)	16
GWP'(s)	27
Missing Code'(s)	1

GWP Level Index*	
High	Greater than 2500
Medium	150-2500
Low	Less than 150

*Values are from Linde Gas and IPCC 4th Assessment Report, 2007. Global Warming Potential (GWP) based 100 year.

GWP Level Totals**	
High	4
Medium	22
Low	1

**Totals do not reflect the refrigerant units missing codes.

Table MY3

Air Emissions Source Survey

Ozone Depleting Chemicals Survey

Date: 6/29/2017

Surveyors: Devin Walker, Rosalie Hood, Jonathan McKinnon

Armory Name: Mount Holly

Armorer: Nick Torres

Location	Floor	Room	Emission Source Name	Equipment Type (See Blue Text on Questionnaire)	Make	Model	Serial Number	Refrigerant	Class	GWP Level	Replacement Options	Amount of Refrigerant (lbs/oz)
ARMORY	1	102	AIR CONDITION	AIR CONDITION	Fredrich	MW24C3J	512KAPB00056	N/A	N/A	N/A	N/A	N/A
ARMORY	1	103	REFRIGERATOR	REFRIGERATOR	Traulsen	G20010	T182175C12	R134A	N/A	Medium	R290	16 oz
ARMORY	1	103	ICE MACHINE	ICE MACHINE	Ice-O-Matic	ICEU220HA2	12081280014303	R404A	N/A	High	R290	12 oz
ARMORY	1	107	WATER FOUNTAIN	WATER FOUNTAIN	Elkay	HEW1_1H	000919779	R134A	N/A	Medium	R290	4.38 oz
ARMORY	1	OUTSIDE	AIR CONDITION	AIR CONDITION	AAON	RM-008-0-AB02-EHL	200610-AMWHO1937	R22	Class II	Medium	R290, R407C, or RS-44b	272 oz
ARMORY	1	OUTSIDE	AIR CONDITION	AIR CONDITION	Sanyo	C3632A	0146344	R22	Class II	Medium	R290, R407C, or RS-44b	9.5 lbs
ARMORY	1	OUTSIDE	AIR CONDITION	AIR CONDITION	Sanyo	C3632A	0146344	R22	Class II	Medium	R290, R407C, or RS-44b	9.5 lbs
ARMORY	1	OUTSIDE	AIR CONDITION	AIR CONDITION	Sanyo	C3632A	0145244	R22	Class II	Medium	R290, R407C, or RS-44b	9.5 lbs
ARMORY	1	113	AIR CONDITION	AIR CONDITION	Sanyo	KS1271	42561	N/A	N/A	N/A	N/A	N/A
ARMORY	1	OUTSIDE	AIR CONDITION	AIR CONDITION	Sanyo	C1271	00003354	R410A	N/A	Medium	R290	2.43 lbs
ARMORY	1	OUTSIDE	AIR CONDITION	AIR CONDITION	Sanyo	C2672R	0030662	R410A	N/A	Medium	R290	4.2 lbs
ARMORY	1	OUTSIDE	AIR CONDITION	AIR CONDITION	Sanyo	C2672R	0032862	R410A	N/A	Medium	R290	4.2 lbs
ARMORY	1	OUTSIDE	AIR CONDITION	AIR CONDITION	Fredrich	MR24C3J	702KATM00001	R410A	N/A	Medium	R290	63.5 oz

Summary of Totals	
Class 1'(s)	0
Class 2'(s)	4
GWP'(s)	11
Missing Code'(s)	0

GWP Level Index*	
High	Greater than 2500
Medium	150-2500
Low	Less than 150

*Values are from Linde Gas and IPCC 4th Assessment Report, 2007. Global Warming Potential (GWP) based 100 year.

GWP Level Totals**	
High	1
Medium	10
Low	0

**Totals do not reflect the refrigerant units missing codes.

Table NK3

Air Emission Source Survey

Ozone Depleting Chemicals Survey

Date: 7/27/2017
Surveyors: Chuck Appleby, Rosalie Hood, Jon Mikinnon, Hannah Buckley, and Hunter Davis
Armory Name: Newark
Armorer: Jamie Simon

Location	Floor	Room	Emission Source Name	Equipment Type (See Blue Text on Questionnaire)	Make	Model	Serial Number	Refrigerant	Class	GWP Level	Replacement Options	Pounds of Refrigerant
OMS	1	106	AIR CONDITIONING UNIT	AIR CONDITIONING UNIT	Airtemp	N/A	N/A	N/A	N/A	N/A	N/A	N/A
OMS	1	103	DRINKING WATER FOUNTAIN	WATER FOUNTAIN	Sunroc	NSW14	H369994D	R12	Class I	High	R290	5.5 oz
ARMORY	1	125	SPLIT TYPE AC WALL UNIT	SPLIT TYPE AC WALL UNIT	Sanyo	KHS0921	0002461	N/A	N/A	N/A	N/A	N/A
ARMORY	1	123	SPLIT TYPE AC WALL UNIT	SPLIT TYPE AC WALL UNIT	Sanyo	KHS0971	0052781	N/A	N/A	N/A	N/A	N/A
ARMORY	1	113H	DRINKING WATER FOUNTAIN	DRINKING WATER FOUNTAIN	Halsey Taylor	SW4AQ_1M	81015173	R134A	N/A	Medium	R290	3.70 oz
ARMORY	1	104	AIR CONDITIONING UNIT	AIR CONDITIONING UNIT	Frigidaire	FAL135M1A1	N/A	R22	Class II	Medium	R290, R407C, or RS-44b	32.50 oz
ARMORY	1	101	AIR CONDITIONING UNIT	AIR CONDITIONING UNIT	Friedrich	CP10C10	EEV 99404	R22	Class II	Medium	R290, R407C, or RS-44b	18.50 oz
ARMORY	1	106	AIR CONDITIONING UNIT	AIR CONDITIONING UNIT	Electrolux	FAC104N1A1	KK40726714	R22	Class II	Medium	R290, R407C, or RS-44b	20.5 oz
ARMORY	2	206	REFRIGERATION UNIT	REFRIGERATION UNIT	Delfield	N/A	N/A	N/A	N/A	N/A	N/A	N/A
ARMORY	2	204	Ice Machine	Ice Machine	Manitowoc	QD0213W	980663301	R404A	N/A	High	R290	11 oz
ARMORY	2	209	AIR CONDITIONING UNIT	AIR CONDITIONING UNIT	Haier	HPY08XCM-E	HY130211487	R410A	N/A	Medium	R290	14.28 oz
ARMORY	2	209	AIR CONDITIONING UNIT	AIR CONDITIONING UNIT	Frigidaire	N/A	KK5716016?	R22	Class II	Medium	R290, R407C, or RS-44b	13.9 oz
ARMORY	2	211	AIR CONDITIONING UNIT	AIR CONDITIONING UNIT	Friedrich	SS09J10A	JHGS16832	R22	Class II	Medium	R290, R407C, or RS-44b	26 oz
ARMORY	2	Hall	DRINKING WATER FOUNTAIN	DRINKING WATER FOUNTAIN	Halsey Taylor	SW4AQ 1M	81015172	R134A	N/A	Medium	R290	3.7 oz
ARMORY	2	222	REFRIGERATION UNIT	REFRIGERATION UNIT	Painted Over	CM-95 L	N/A	R12	Class I	High	R290	6 oz
ARMORY	2	219	REFRIGERATION UNIT	REFRIGERATION UNIT	Norlake	NR211SAS/1	96120234	R22	Class II	Medium	R290, R407C, or RS-44b	16 oz
ARMORY	2	224	AIR CONDITIONING UNIT	AIR CONDITIONING UNIT	GE	AGN10ABG1	DZ 017622	R22	Class II	Medium	R290, R407C, or RS-44b	19 oz
ARMORY	2	226	AIR CONDITIONING UNIT	AIR CONDITIONING UNIT	Kenmore	25370125001	JK02217902	R22	Class II	Medium	R290, R407C, or RS-44b	31.5 oz
ARMORY	2	228	AIR CONDITIONING UNIT	AIR CONDITIONING UNIT	Frigidaire	FAC104N1A1	KK40726722	R22	Class II	Medium	R290, R407C, or RS-44b	20.5 oz
ARMORY	2	229	AIR CONDITIONING UNIT	AIR CONDITIONING UNIT	Friedrich	SS12J30D-A	LCAR09915	R22	Class II	Medium	R290, R407C, or RS-44b	29 oz
ARMORY	2	231	AIR CONDITIONING UNIT	AIR CONDITIONING UNIT	Friedrich	SS09J10A	JHGS16802	R22	Class II	Medium	R290, R407C, or RS-44b	26 oz
ARMORY	2	232	AIR CONDITIONING UNIT	AIR CONDITIONING UNIT	Frigidaire	FAC104N1A1	KK40813372	R22	Class II	Medium	R290, R407C, or RS-44b	20.5 oz

Summary of Totals	
Class 1'(s)	2
Class 2'(s)	12
GWP'(s)	18
Missing Code'(s)	2

GWP Level Index*	
High	Greater than 2500
Medium	150-2500
Low	Less than 150

*Values are from Linde Gas and IPCC 4th Assessment Report, 2007. Global Warming Potential (GWP) based 100 year.

GWP Level Totals**	
High	3
Medium	15
Low	0

**Totals do not reflect the refrigerant units missing codes.

Table OU3

Air Emission Source Survey

Ozone Depleting Chemicals Survey

Date: 8/8/2017
Surveyors: Devin Walker, Rosalie Hood, Jon Mckinnon
Armory Name: Old Utes
Armorer: Sam Delpidio

Location	Floor	Room	Emission Source Name	Equipment Type (See Blue Text on Questionnaire)	Make	Model	Serial Number	Refrigerant	Class	GWP Level	Replacement Options	Amount of Refrigerant (lbs/oz)
OLD UTES	ROOF	ROOF	AIR CONDITIONING	AIR CONDITIONING	Trane	RAUC-306	078D20384	R22	Class II	Medium	R290, R407C, or RS-44b	N/A
OLD UTES	N/A	N/A	AIR CONDITIONING	AIR CONDITIONING	Fridgid Air	FAH106J1T1	JK95015111	R22	Class II	Medium	R290, R407C, or RS-44b	20 oz

Summary of Totals	
Class 1'(s)	0
Class 2'(s)	2
GWP'(s)	2
Missing Code'(s)	0

GWP Level Index*	
High	Greater than 2500
Medium	150-2500
Low	Less than 150

*Values are from Linde Gas and IPCC 4th Assessment Report, 2007. Global Warming Potential (GWP) based 100 year.

GWP Level Totals**	
High	0
Medium	2
Low	0

**Totals do not reflect the refrigerant units missing codes.

Table PY3

Air Emission Source Survey

Ozone Depleting Chemicals Survey

Date: 6/19/2017
Surveyors: Bill McBride, Hannah Buckley, Hunter Davis
Armory Name Picatinny

Armorer: Charles Rissmiller

Location	Floor	Room	Emission Source Name	Equipment Type (See Blue Text on Questionnaire)	Make	Model	Serial Number	Refrigerant	Class	GWP Level	Replacement Options	Amount of Refrigerant (lbs/oz)
ARMORY	1	101	RECOVERY UNIT	RECOVERY UNIT	Promax	RG5410EX	140500007531	R407C	N/A	Medium	R290	Uknown
ARMORY	1	101	RECOVERY UNIT	RECOVERY UNIT	Promax	RG5410EX	140500007531	R407C	N/A	Medium	R290	Uknown
ARMORY	2	207	AIR CONDITIONER	AIR CONDITIONER	Comitale	CCCOC124-D10AS	N/A	R22	Class II	Medium	R290, R407C, or RS-44b	27 oz
ARMORY	2	207	AIR CONDITIONER	AIR CONDITIONER	Comitale	CCCOC124-D10AS	N/A	R22	Class II	Medium	R290, R407C, or RS-44b	27 oz
ARMORY	2	207	AIR CONDITIONER	AIR CONDITIONER	Comitale	CCCOC124-D10AS	N/A	R22	Class II	Medium	R290, R407C, or RS-44b	27 oz
ARMORY	2	207	AIR CONDITIONER	AIR CONDITIONER	Comitale	CCCOC124-D10AS	N/A	R22	Class II	Medium	R290, R407C, or RS-44b	27 oz
ARMORY	2	207	AIR CONDITIONER	AIR CONDITIONER	Comitale	CCCOC124-D10AS	N/A	R22	Class II	Medium	R290, R407C, or RS-44b	27 oz
ARMORY	2	207	AIR CONDITIONER	AIR CONDITIONER	Comitale	CCCOC124-D10AS	N/A	R22	Class II	Medium	R290, R407C, or RS-44b	27 oz
ARMORY	2	207	AIR CONDITIONER	AIR CONDITIONER	Comitale	CCCOC124-D10AS	N/A	R22	Class II	Medium	R290, R407C, or RS-44b	27 oz
ARMORY	2	207	AIR CONDITIONER	AIR CONDITIONER	Comitale	CCCOC124-D10AS	N/A	R22	Class II	Medium	R290, R407C, or RS-44b	27 oz
ARMORY	2	207	AIR CONDITIONER	AIR CONDITIONER	Comitale	CCCOC124-D10AS	N/A	R22	Class II	Medium	R290, R407C, or RS-44b	27 oz
ARMORY	2	208	AIR CONDITIONER	AIR CONDITIONER	Comitale	CCCOC124-D10AS	N/A	R22	Class II	Medium	R290, R407C, or RS-44b	27 oz
ARMORY	2	208	AIR CONDITIONER	AIR CONDITIONER	Comitale	CCCOC124-D10AS	N/A	R22	Class II	Medium	R290, R407C, or RS-44b	27 oz
ARMORY	2	208	AIR CONDITIONER	AIR CONDITIONER	Comitale	CCCOC124-D10AS	N/A	R22	Class II	Medium	R290, R407C, or RS-44b	27 oz
ARMORY	2	208	AIR CONDITIONER	AIR CONDITIONER	Comitale	CCCOC124-D10AS	N/A	R22	Class II	Medium	R290, R407C, or RS-44b	27 oz
ARMORY	2	213	AIR CONDITIONER	AIR CONDITIONER	LG	LP1010SNR	001TAXD1657 8	R410A	N/A	Medium	R290	15.9 oz
ARMORY	1	101	RECOVERY UNIT	RECOVERY UNIT	Robinair	34788	253332	R134A	N/A	Medium	R290	1 tank
ARMORY	1	101	RECOVERY UNIT	RECOVERY UNIT	Robinair	17800B	7563	R12 OR R134A	Poss. Class I	Poss High. High	R290	no tank
ARMORY	ROOF	ROOF	AIR CONDITIONER	AIR CONDITIONER	York	H1RA060S25G	W0E5226278	R22	Class II	Medium	R290, R407C, or RS-44b	9lbs 7oz
ARMORY	ROOF	ROOF	AIR CONDITIONER	AIR CONDITIONER	York	H1RA042S25G	WHNM091769	R22	Class II	Medium	R290, R407C, or RS-44b	5lbs 4oz
ARMORY	ROOF	ROOF	AIR CONDITIONER	AIR CONDITIONER	York	H1RA042S25G	WKNM045212	R22	Class II	Medium	R290, R407C, or RS-44b	5lbs 4oz
ARMORY	ROOF	ROOF	AIR CONDITIONER	AIR CONDITIONER	York	H1RA042S25G	W0E5195857	R22	Class II	Medium	R290, R407C, or RS-44b	12lbs 3oz
ARMORY	ROOF	ROOF	AIR CONDITIONER	AIR CONDITIONER	York	H1RA042S25G	W0E5195854	R22	Class II	Medium	R290, R407C, or RS-44b	12lbs 3oz
ARMORY	1	111	REFRIGERATOR	REFRIGERATOR	Whirlpool	ET8WTKXKT0 5	ER3927347	R134A	N/A	Medium	R290	4 OZ
ARMORY	1	111	REFRIGERATOR	REFRIGERATOR	Whirlpool	ET17HKXM	945241	R134A	N/A	Medium	R290	Uknown
ARMORY	1	114	DRINKING FOUNTAIN	DRINKING FOUNTAIN	Elkay	EHFA8 1E	10320637	R134A	N/A	Medium	R290	4.25 OZ
ARMORY	2	203	DRINKING FOUNTAIN	DRINKING FOUNTAIN	Elkay	EHFA8 1E	10320641	R134A	N/A	Medium	R290	4.25 OZ

Summary of Totals	
Class 1'(s)	1*
Class 2'(s)	18
GWP'(s)	26
Missing Code'(s)	0

GWP Level Index*	
High	Greater than 2500
Medium	150-2500
Low	Less than 150

*Values are from Linde Gas and IPCC 4th Assessment Report, 2007. Global Warming Potential (GWP) based 100 year.

GWP Level Totals**	
High	1*
Medium	26
Low	0

**Totals do not reflect the refrigerant units missing codes.

* Possibly Contains R12

Table PN3

Air Emission Source Survey

Ozone Depleting Chemicals Survey

Date: 7/12/2017
Surveyors: Anjelica McMahone, Rosalie Hood and Jon Mckinnon
Armory Name: Princeton Warehouse
Armorer:

Location	Floor	Room	Emission Source Name	Equipment Type (See Blue Text on Questionnaire)	Make	Model	Serial Number	Refrigerant	Class	GWP Level	Replacement Options	Amount of Refrigerant (lbs/oz)
WAREHOUSE	1	100	DEHUMIDIFIER	DEHUMIDIFIER	Fredrich	D50BPA	AGDD03460	R410A	N/A	Medium	R290	8.8 oz
WAREHOUSE	1	100	DEHUMIDIFIER	DEHUMIDIFIER	Fredrich	D50BPA	AGDD04093	R410A	N/A	Medium	R290	8.8 oz
WAREHOUSE	1	100	DEHUMIDIFIER	DEHUMIDIFIER	Fredrich	D50BPA	AGDD03455	R410A	N/A	Medium	R290	8.8 oz
WAREHOUSE	1	100	DEHUMIDIFIER	DEHUMIDIFIER	Fredrich	D50BPA	AGDD03457	R410A	N/A	Medium	R290	8.8 oz
WAREHOUSE	1	100	DEHUMIDIFIER	DEHUMIDIFIER	Fredrich	D50BPA	AGDD03459	R410A	N/A	Medium	R290	8.8 oz
WAREHOUSE	1	100	DEHUMIDIFIER	DEHUMIDIFIER	Fredrich	D50BPA	AGDD03448	R410A	N/A	Medium	R290	8.8 oz
WAREHOUSE	1	100	REDRIDGERATION UNIT	REDRIDGERATION UNIT	Summit	N/A	21200142	N/A	N/A	N/A	N/A	N/A
WAREHOUSE	N/A	N/A	REDRIDGERATION UNIT	REDRIDGERATION UNIT	Sears Robuck and Co.	564.944464	5041610	R134A	N/A	Medium	R290	2.1 OZ
STATE POLICE	1	101	AIR CONDITIONING UNIT	AIR CONDITIONING UNIT	Friedrich	PDH07K3SEA	N/A	N/A	N/A	N/A	N/A	N/A
STATE POLICE	1	101	AIR CONDITIONING UNIT	AIR CONDITIONING UNIT	McQuary	P.SES.1.015.E.Z.41.Z.12.A0.14.C.I.A.1	N/A	R22	Class II	Medium	R290, R407C, or RS-44b	34.50 OZ
STATE POLICE	1	102	AIR CONDITIONING UNIT	AIR CONDITIONING UNIT	McQuary	P.SES.1.015.E.Z.41.Z.12.A0.14.C.I.A.2	N/A	R22	Class II	Medium	R290, R407C, or RS-44b	34.50 OZ
STATE POLICE	1	103	AIR CONDITIONING UNIT	AIR CONDITIONING UNIT	McQuary	P.SES.1.015.E.Z.41.Z.12.A0.14.C.I.A.3	N/A	R22	Class II	Medium	R290, R407C, or RS-44b	34.50 OZ
STATE POLICE	1	105	AIR CONDITIONING UNIT	AIR CONDITIONING UNIT	Friedrich	PDH07K3SEA	N/A	N/A	N/A	N/A	N/A	N/A

Summary of Totals	
Class 1'(s)	0
Class 2'(s)	3
GWP'(s)	10
Missing Code'(s)	3

GWP Level Index*	
High	Greater than 2500
Medium	150-2500
Low	Less than 150

*Values are from Linde Gas and IPCC 4th Assessment Report, 2007. Global Warming Potential (GWP) based 100 year.

GWP Level Totals**	
High	0
Medium	10
Low	0

**Totals do not reflect the refrigerant units missing codes.

Table RE3

Air Emission Source Survey

Ozone Depleting Chemicals Survey

Date: 6/28/2017
Surveyors: Sarah Helble, Hannah Buckley, Hunter Davis
Armory Name: Riverdale
Armorer: Charles Rissmiller

Location	Floor	Room	Emission Source Name	Equipment Type (See Blue Text on Questionnaire)	Make	Model	Serial Number	Refrigerant	Class	GWP Level	Replacement Options	Amount of Refrigerant (lbs/oz)
ARMORY	1	102	AIR CONDITIONER	WINDOW UNIT	Friedrich	CP06G10B	Uknown	R410A	N/A	Medium	R290	13.1oz
ARMORY	1	100	DRINKING FOUNTAIN	DRINKING FOUNTAIN	Elkay	EZFS8 1B	50724298	R13	Class I	High	R23	4.1oz
ARMORY	1	108	REFRIGERATOR	REFRIGERATOR	Delfield	SRR1-SH	0410036101928-T	R404A	N/A	High	R290	16oz
ARMORY	1	117	AIR CONDITIONER	WINDOW UNIT	Frigidaire	FFRE1233S1	KK55149746	R410A	N/A	Medium	R290	22.58oz
ARMORY	1	117	REFRIGERATOR	REFRIGERATOR	JC Penny	867-0212-02-00	1004099866	R12	Class I	High	R290	4.25oz
ARMORY	1	114	AIR CONDITIONER	WINDOW UNIT	Airtemp	R12-40H	6 L240200	R22	Class II	Medium	R290, R407C, or RS-44b	<4.5lbs
ARMORY	1	119	AIR CONDITIONER	PORTABLE UNIT	LG	LP1200DXRY8	803KAMZ02347	R22	Class II	Medium	R290, R407C, or RS-44b	19oz
ARMORY	1	120	AIR CONDITIONER	WINDOW UNIT	Climatrol	MST12F2JA	EY297989 1337	R22	Class II	Medium	R290, R407C, or RS-44b	27oz
ARMORY	1	121	AIR CONDITIONER	WINDOW UNIT	Carrier	51CMC012311	3 1706536	R22	Class II	Medium	R290, R407C, or RS-44b	32oz
ARMORY	1	122	AIR CONDITIONER	WINDOW UNIT	Frigidaire	FAC104N1A1	KK40813129	R22	Class II	Medium	R290, R407C, or RS-44b	20.5oz
ARMORY	OUTSIDE	OUTSIDE	AIR CONDITIONER	AIR CONDITIONER	LENNOX	XP21-048-230-06	5816J06105	R410A	N/A	Medium	R290	12lbs 10oz
ARMORY	OUTSIDE	OUTSIDE	AIR CONDITIONER	AIR CONDITIONER	LENNOX	XP21-048-230-06	5816J09116	R410A	N/A	Medium	R290	12lbs 10oz
ARMORY	2	220	AIR CONDITIONER	WINDOW UNIT	GE	AGN10ABG1	AZ 084459	R22	Class II	Medium	R290, R407C, or RS-44b	19oz
ARMORY	2	225	AIR CONDITIONER	WINDOW UNIT	Frigidaire	Uknown	Uknown	Uknown	N/A	N/A	N/A	N/A
ARMORY	2	226	AIR CONDITIONER	WINDOW UNIT	Frigidaire	Uknown	Uknown	Uknown	N/A	N/A	N/A	N/A
ARMORY	2	228	AIR CONDITIONER	WINDOW UNIT	Airtemp	B6X08F2A-A	CR 227842 072Y	Uknown	N/A	N/A	N/A	N/A
ARMORY	2	229	AIR CONDITIONER	WINDOW UNIT	Goodman Co.	RC12010C1D	9505060559	R22	Class II	Medium	R290, R407C, or RS-44b	41oz
ARMORY	2	229	AIR CONDITIONER	WINDOW UNIT	Goodman Co.	RC12010C1D	9505061263	R22	Class II	Medium	R290, R407C, or RS-44b	41oz
ARMORY	2	230	AIR CONDITIONER	WINDOW UNIT	Climatrol	MLR06F2JB	DY 263716	R22	Class II	Medium	R290, R407C, or RS-44b	13oz
ARMORY	2	200	DRINKING FOUNTAIN	DRINKING FOUNTAIN	Halsey Taylor	5W4A-3	020061561 F92 5	R12	Class I	High	R290	5.5oz
ARMORY 203	2	203	FORCED AIR FURNACE	AIR CONDITIONER	Lennox	CBX40UHV-048-230-6-04	1615F23379	Unkown	N/A	Medium	N/A	N/A
ARMORY 203	2	203	FORCED AIR FURNACE	AIR CONDITIONER	Lennox	CBX40UHV-048-230-6-04	1616J16815	Unkown	N/A	Medium	N/A	N/A

Summary of Totals	
Class 1'(s)	3
Class 2'(s)	9
GWP'(s)	19
Missing Code'(s)	3

GWP Level Index*	
High	Greater than 2500
Medium	150-2500
Low	Less than 150

*Values are from Linde Gas and IPCC 4th Assessment Report, 2007. Global Warming Potential (GWP) based 100 year.

GWP Level Totals**	
High	4
Medium	15
Low	0

**Totals do not reflect the refrigerant units missing codes.

Table ST3

Air Emission Source Survey

Ozone Depleting Chemicals Survey

Date: 5/23/2017
Surveyors: Bill, Devin, Rose, Jon, Hunter, Hannah
Facility Name: Sea Girt
Armorer: Joseph Landree

Location	Floor	Room	Emission Source Name	Equipment Type (See Blue Text on Questionnaire)	Make	Model	Serial Number	Refrigerant	Class	GWP Level	Replacement Options	Amount of Refrigerant (lbs/oz)
BUILDING 1	1	101	REFRIGERATOR	Refrigeration Unit	GENERAL ELECTRIC	GTS16DTHJRWW	GG871659	R134-A	N/A	Medium	R290	4.375 oz
BUILDING 1	1	OUTSIDE	AIR CONDITIONER	Air Conditioning Unit	THERMAL ZONE	TZAA-348-2N	W213531748	R22	Class II	Medium	R290, R407C, or RS-44b	0 oz
BUILDING 2	1	111	WATER FOUNTAIN	Drinking Water Fountain	OASIS	CLASSIC-405	517002192	R134A	N/A	Medium	R290	1.2 oz
BUILDING 2	1	103	WATER FOUNTAIN	Drinking Water Fountain	WATER SOLUTIONS	IB210LXNLEZES	WI10G02702	R134A	N/A	Medium	R290	33 g
BUILDING 2	3	OUTSIDE	AIR CONDITIONER	Air Conditioning Unit	CARRIER GEMINI	38ARS012--E611	3703G30058	R22	Class II	Medium	R290, R407C, or RS-44b	2 lbs
BUILDING 2	2	OUTSIDE	AIR CONDITIONER	Air Conditioning Unit	MITSUBISHI ELECTRIC	PU18EK	N/A	R22	Class II	Medium	R290, R407C, or RS-44b	5 lbs
BUILDING 2	2	OUTSIDE	AIR CONDITIONER	Air Conditioning Unit	MITSUBISHI ELECTRIC	PU18EK	N/A	R22	Class II	Medium	R290, R407C, or RS-44b	5 lbs 8 oz
BUILDING 2	1	103	RERIDGERATOR	Refrigeration Unit	GENERAL ELECTRIC	GTS18EBRERWW	AG774030	R134A	N/A	Medium	R290	4.12 oz
building 2	1	117	REFRIGERATOR	Refrigeration Unit	WHIRLPOOL	ET200DKXSN00	S63648588	R12	Class I	High	R290	6.25 oz
building 2	OUTSIDE	OUTSIDE	AIR CONDITIONER	Air Conditioning Unit	CARRIER	38ARZ008--E601--	808640136	R22	Class II	Medium	R290	9 lbs
BUILDING 2	ROOF	ROOF	AC-1	Air Conditioning Unit	CARRIER	50CD004-50QH008	50CK506203	N/A	N/A	N/A	N/A	N/A
BUILDING 2	ROOF	ROOF	1A	Air Conditioning Unit	CARIER	3SA024	N/A	N/A	N/A	N/A	N/A	N/A
BUILDING 2	ROOF	ROOF	AP-16	Air Conditioning Unit	CARRIER	N/A	N/A	N/A	N/A	N/A	N/A	N/A
BUILDING 2	ROOF	ROOF	CU-1B	Air Conditioning Unit	CARRIER	32AD-024 B20	282605	R12'R22'R500'R502'134A'R123'R125	Poss. Class I or Class II	High	R290, R407C, or RS-44b	N/A
BUILDING 2	ROOF	ROOF	AH-2A	Air Conditioning Unit	CARRIER	39ER 08	2988 T 10490	R12'R22'R502	Poss. Class I or Class II	High	R290, R407C, or RS-44b	N/A
BUILDING 2	ROOF	ROOF	AH-2B	Air Conditioning Unit	CARRIER	39ER 08	2988 T 10491	R12'R22'R502	Poss. Class I or Class II	High	R290, R407C, or RS-44b	N/A
BUILDING 2	ROOF	ROOF	AH-1B	Air Conditioning Unit	CARRIER	39ER 11	2988 T 10489	N/A	N/A	N/A	N/A	N/A
BUILDING 2	ROOF	ROOF	AH-1A	Air Conditioning Unit	CARRIER	39ER 11	2988 T 10488	N/A	N/A	N/A	N/A	N/A
BUILDING 2	ROOF	ROOF	N/A	Air Conditioning Unit	MITSUBISHI	PU18EK-1	88D005900	R22	Class II	Medium	R290, R407C, or RS-44b	5 lbs 8 oz
BUILDING 3	1	102	REFRIGERATOR	Refrigeration Unit	KENMORE	253.6188210A	BA22301691	R134A	N/A	Medium	R290	4.25 oz
BUILDING 3	1	102	WALL AC UNIT	Air Conditioning Unit	FRIEDRICH	PDH15K5SG-A	AFCP0036	R410A	N/A	Medium	R290	38.8 oz
BUILDING 3	2	104	WALL AC UNIT	Air Conditioning Unit	FRIEDRICH	WE15D33A-A	AFLZ00987	R410A	N/A	Medium	R290	44.5 oz
building 3	1	101	AIR CONDITIONER	Air Conditioning Unit	FRIEDRICH	PDE12K3SF-A	AABP00083	R410A	N/A	Medium	R290	35.27 oz
building 3	2	103	AIR CONDITIONER	Air Conditioning Unit	FRIEDRICH	WE15D33A-A	AFLZ01004	R410A	N/A	Medium	R290	44.5 oz
building 6	1	101	AIR CONDITIONER\FORCE AIR HEATER	Split Unit	YORK	CNPVP2414ATAABAAA	3907X35698	R410A	N/A	Medium	R290	N/A
BUILDING 6	1	OUTSIDE	AC UNIT	Air Conditioning Unit	CARIER	24ABA324A310	4907E03139	R410A	N/A	Medium	R290	4.1 oz
building 6	1	101	REFRIGERATOR	Refrigeration Unit	HAIER	HT21TS80SP	D0012974	R134A	N/A	Medium	R290	3.7 oz
GUARD POST	1	101	WINDOW UNIT	Air Conditioning Unit	ELECTROLUX	FFRE1533Q1	KK51856564	R410A	N/A	Medium	R290	27.16 oz
building 7	1	134	AIR CONDITIONER	Air Conditioning Unit	FRIEDRICH	PDH15R5SF-A	ACFP00060	R410A	N/A	Medium	R290	36.33 oz
building 7	1	133	REFRIGERATOR	Refrigeration Unit	HOTPOINT	CTXY14CMDRWH	RD740966	R12	Class I	High	R290	4.5 oz
building 7	1	108	AIR CONDITIONER	Air Conditioning Unit	FRIGIDAIRE	FRP12ETT3R	IK33100928	R410A	N/A	Medium	R290	25.04 oz
building 7	1	136	REFRIGERATOR	Refrigeration Unit	GENERAL ELECTRIC	GTS18EBRERWW	TG814437	R134A	N/A	Medium	R290	4.12 oz
building 7	1	136	WATER COOLER	Refrigeration Unit	NEXUS	GNB210	LG16E00849	R134A	N/A	Medium	R290	1.2 oz
building 7	1	136	AIR CONDITIONER	Air Conditioning Unit	FRIEDRICH	PDH15R5SF-A		R410A	N/A	Medium	R290	36.33 oz
building 7	1	104	AIR CONDITIONER	Air Conditioning Unit	WALLMASTER	N/A	N/A	N/A	N/A	N/A	N/A	N/A
building 7	1	127	WATER COOLER	Refrigeration Unit	NEXUS	GNB210	LG16A08890	R134A	N/A	Medium	R290	1.2 oz
building 7	2	207	AIR CONDITIONER	Air Conditioning Unit	FRIEDRICH	PDH15R5SF-A	ACCP00055	R410A	N/A	Medium	R290	36.33 oz
building 7	2	230	AIR CONDITIONER	Air Conditioning Unit	FRIEDRICH	PDH15R5SF-A	N/A	R410A	N/A	Medium	R290	36.33 oz
building 7	2	206	AIR CONDITIONER	Air Conditioning Unit	FRIEDRICH	PDH15R5SF-A	N/A	R410A	N/A	Medium	R290	36.33 oz
building 7	2	228	AIR CONDITIONER	Air Conditioning Unit	GENERAL ELECTRIC	AZ32H15E5CM2	FZ637476	R22	Class II	Medium	R290, R407C, or RS-44b	33 oz
building 7	2	203	WATER COOLER	Refrigeration Unit	SUNBEAM	YLR2-5-24H2	N/A	R134A	N/A	Medium	R290	1.41 oz
building 7	2	202	AIR CONDITIONER	Air Conditioning Unit	GENERAL ELECTRIC	AZ32H15E5CM2	N/A	R22	Class II	Medium	R290, R407C, or RS-44b	33 oz
building 7	2	201	AIR CONDITIONER	Air Conditioning Unit	GENERAL ELECTRIC	AZ32H15E5CM2	N/A	R22	Class II	Medium	R290, R407C, or RS-44b	33 oz
building 7	OUTSIDE	OUTSIDE	AIR CONDITIONER	Air Conditioning Unit	DAIKIN	RKS36LVJU	E004223	R410A	N/A	Medium	R290	6.17 lbs
BUILDING 7	ROOF	ROOF	AC UNIT 2	Air Conditioning Unit	TRANE	WSC060A4R0A1ND000000008200	530101780L	NR	N/A	N/A	N/A	NR
BUILDING 7	ROOF	ROOF	AC UNIT 1	Air Conditioning Unit	TRANE	WSC060A4R0A1ND000000000200 A	530101706L	NR	N/A	N/A	N/A	NR
BUILDING 7	ROOF	ROOF	AC UNIT 3	Air Conditioning Unit	TRANE	WSC060A4R0A1ND000000000200 A	528102151L	NR	N/A	N/A	N/A	NR
BUILDING 7	ROOF	ROOF	AC UNIT 4	Air Conditioning Unit	TRANE	WSC060A4R0A1ND000000000200 A	530101632L	NR	N/A	N/A	N/A	NR
BUILDING 7	1	OUTSIDE	AC UNIT	Air Conditioning Unit	DAIKIN	RKS36LVJU	E004662	R410A	N/A	Medium	R290	6.17oz
BUILDING 7	1	OUTSIDE	AC UNIT	Air Conditioning Unit	FUJITSU	AOU36CX	BBN 002007	R22	Class II	Medium	R290, R407C, or RS-44b	5.95oz
building 7	1	132	AIR CONDITIONER	Air Conditioning Unit	CARRIER	52mqbu15401aa	1909v11438	R22	Class II	Medium	R290, R407C, or RS-44b	35.98 oz
building 7	1	100	WATER FOUNTAIN	Drinking Water Fountain	ELKAY	LZWSR_1B	130825610	R13	Class I	High	R23	4.10 oz
building 7	1	108	REFRIGERATOR	Refrigeration Unit	AMANA	ABB1924WEW1	K20912923	R134A	N/A	Medium	R290	4.25oz
building 7	1	108	REFRIGERATOR	Refrigeration Unit	FRIERICH	THC15R50SPC	LKGP01413	R22	Class II	Medium	R290, R407C, or RS-44b	33 oz
building 7	1	133	WATER FOUNTAIN	Drinking Water Fountain	NEXUS	GNB210	WG14G133668	R134	N/A	Medium	R290	1.2 oz
building 7	1	109	AIR CONDITIONER	Air Conditioning Unit	CARRIER	52CQB515431AA	2506X87193	R22	Class II	Medium	R290, R407C, or RS-44b	33 oz
building 7	1	109	AIR CONDITIONER	Air Conditioning Unit	CARRIER	52CQB515431AA	N/A	R22	Class II	Medium	R290, R407C, or RS-44b	33 oz
building 7	1	136	AIR CONDITIONER	Air Conditioning Unit	CARRIER	52CQB515431AA	N/A	R22	Class II	Medium	R290, R407C, or RS-44b	33 oz
building 7	1	136	AIR CONDITIONER	Air Conditioning Unit	CARRIER	52CQB515431AA	N/A	R22	Class II	Medium	R290, R407C, or RS-44b	33 oz
building 7	1	135	AIR CONDITIONER	Air Conditioning Unit	CARRIER	52CQB515431AA	N/A	R22	Class II	Medium	R290, R407C, or RS-44b	33 oz
building 7	1	137	AIR CONDITIONER	Air Conditioning Unit	CARRIER	52CQB515431AA	N/A	R22	Class II	Medium	R290, R407C, or RS-44b	33 oz
building 7	1	137	AIR CONDITIONER	Air Conditioning Unit	CLIMATE MASTER	PTA15E6AMBCP1SB	95MO59244	R22	Class II	Medium	R290, R407C, or RS-44b	34.5 oz
building 7	1	105	AIR CONDITIONER	Air Conditioning Unit	CARRIER	52CQB515431AA	N/A	R22	Class II	Medium	R290, R407C, or RS-44b	33 oz
building 7	1	103	AIR CONDITIONER	Air Conditioning Unit	CARRIER	52CQB515431AA	N/A	R22	Class II	Medium	R290, R407C, or RS-44b	33 oz
building 7	1	102	AIR CONDITIONER	Air Conditioning Unit	CARRIER	52CQB515431AA	N/A	R22	Class II	Medium	R290, R407C, or RS-44b	33 oz

Summary of Totals	
Class 1'(s)	13***
Class 2'(s)	60***
GWP'(s)	191
Missing Code'(s)	43

GWP Level Index*	
High	Greater than 2500
Medium	150-2500
Low	Less than 150

*Values are from Linde Gas and IPCC 4th Assessment Report, 2007. Global Warming Potential (GWP) based 100 year.

GWP Level Totals**	
High	14***
Medium	174***
Low	5

**Totals do not reflect the refrigerant units missing codes.

*** Equipment may contain R12 or

building 7	1	101	AIR CONDITIONER	Air Conditioning Unit	CARRIER	52CQB515431AA	N/A	R22	Class II	Medium	R290, R407C, or RS-44b	33 oz
building 7	1	110	AIR CONDITIONER	Air Conditioning Unit	CARRIER	52CQB515431AA	N/A	R22	Class II	Medium	R290, R407C, or RS-44b	33 oz
building 7	1	128	AIR CONDITIONER	Air Conditioning Unit	CARRIER	52CQB515431AA	N/A	R22	Class II	Medium	R290, R407C, or RS-44b	33 oz
building 7	1	130	AIR CONDITIONER	Air Conditioning Unit	CARRIER	52CQB515431AA	N/A	R22	Class II	Medium	R290, R407C, or RS-44b	33 oz
building 7	1	125	AIR CONDITIONER	Air Conditioning Unit	CARRIER	52CQB515431AA	N/A	R22	Class II	Medium	R290, R407C, or RS-44b	33 oz
building 7	1	125	AIR CONDITIONER	Air Conditioning Unit	CARRIER	52CQB515431AA	N/A	R22	Class II	Medium	R290, R407C, or RS-44b	33 oz
building 7	1	125	AIR CONDITIONER	Air Conditioning Unit	CARRIER	52CQB515431AA	N/A	R22	Class II	Medium	R290, R407C, or RS-44b	33 oz
building 7	1	125	AIR CONDITIONER	Air Conditioning Unit	CARRIER	52CQB515431AA	N/A	R22	Class II	Medium	R290, R407C, or RS-44b	33 oz
building 7	2	200	WATER FOUNTAIN	Drinking Water Fountain	ELKAY	LZWSR_1B	130825610	R13	Class I	High	R23	4.10 oz
building 7	2	223	AIR CONDITIONER	Air Conditioning Unit	CLIMATE MASTER	PTA15E6AMBCP1SB	95MO59244	R22	Class II	Medium	R290, R407C, or RS-44b	34.5 oz
building 7	2	226	AIR CONDITIONER	Air Conditioning Unit	CLIMATE MASTER	PTA15E6AMBCP1SB	95MO59244	R22	Class II	Medium	R290, R407C, or RS-44b	34.5 oz
building 7	2	227	AIR CONDITIONER	Air Conditioning Unit	CLIMATE MASTER	PTA15E6AMBCP1SB	95MO59244	R22	Class II	Medium	R290, R407C, or RS-44b	34.5 oz
building 7	2	207	AIR CONDITIONER	Air Conditioning Unit	CLIMATE MASTER	PTA15E6AMBCP1SB	95MO59244	R22	Class II	Medium	R290, R407C, or RS-44b	34.5 oz
building 7	2	229	AIR CONDITIONER	Air Conditioning Unit	CLIMATE MASTER	PTA15E6AMBCP1SB	95MO59244	R22	Class II	Medium	R290, R407C, or RS-44b	34.5 oz
building 7	2	229	AIR CONDITIONER	Air Conditioning Unit	CARRIER	52CQB515431AA	N/A	R22	Class II	Medium	R290, R407C, or RS-44b	33 oz
building 7	2	206	AIR CONDITIONER	Air Conditioning Unit	CARRIER	52mqbu15401aa	N/A	R22	Class II	Medium	R290, R407C, or RS-44b	35.98 oz
building 7	2	204	AIR CONDITIONER	Air Conditioning Unit	CARRIER	52mqbu15401aa	N/A	R22	Class II	Medium	R290, R407C, or RS-44b	35.98 oz
building 7	2	204	AIR CONDITIONER	Air Conditioning Unit	CLIMATE MASTER	PTA15E6AMBCP1SB	95MO59244	R22	Class II	Medium	R290, R407C, or RS-44b	34.5 oz
building 7	2	221	AIR CONDITIONER	Air Conditioning Unit	CLIMATE MASTER	PTA15E6AMBCP1SB	95MO59244	R22	Class II	Medium	R290, R407C, or RS-44b	34.5 oz
building 7	2	221	AIR CONDITIONER	Air Conditioning Unit	CLIMATE MASTER	PTA15E6AMBCP1SB	95MO59244	R22	Class II	Medium	R290, R407C, or RS-44b	34.5 oz
building 7	2	221	AIR CONDITIONER	Air Conditioning Unit	CLIMATE MASTER	PTA15E6AMBCP1SB	95MO59244	R22	Class II	Medium	R290, R407C, or RS-44b	34.5 oz
building 7	2	218	AIR CONDITIONER	Air Conditioning Unit	CARRIER	52mqbu15401aa	N/A	R22	Class II	Medium	R290, R407C, or RS-44b	35.98 oz
building 7	2	219	AIR CONDITIONER	Air Conditioning Unit	CARRIER	52CQB515431AA	N/A	R22	Class II	Medium	R290, R407C, or RS-44b	33 oz
building 7	2	208	AIR CONDITIONER	Air Conditioning Unit	CLIMATE MASTER	PTA15E6AMBCP1SB	95MO59244	R22	Class II	Medium	R290, R407C, or RS-44b	34.5 oz
building 7	2	203	AIR CONDITIONER	Air Conditioning Unit	CLIMATE MASTER	PTA15E6AMBCP1SB	95MO59244	R22	Class II	Medium	R290, R407C, or RS-44b	34.5 oz
building 7	2	220	AIR CONDITIONER	Air Conditioning Unit	CLIMATE MASTER	PTA15E6AMBCP1SB	95MO59244	R22	Class II	Medium	R290, R407C, or RS-44b	34.5 oz
building 7	1	OUTSIDE/117	AIR CONDITIONER	Air Conditioning Unit	MITSUBISHI ELECTRIC	PU18EK	N/A	R22	Class II	Medium	R290, R407C, or RS-44b	5 lbs 8 oz
building 8	OUTSIDE	OUTSIDE	AIR CONDITIONER	Air Conditioning Unit	TRANE	4TXK8536A10N0CA	160304045X	R410A	N/A	Medium	R290	91.71 oz
building 8	1	N/A	WATER COOLER	Refrigeration Unit	CRYSTAL MOUNTAIN	ESED2KHL1NC	19110640590	R134A	N/A	Medium	R290	35 g
building 8	OUTSIDE	OUTSIDE	AIR CONDITIONER	Air Conditioning Unit	TRANE	4TXK8536A10N0CA	63229954557	R410A	N/A	Medium	R290	91.71 oz
building 8	ROOF	ROOF	AIR CONDITIONER	Air Conditioning Unit	INTER-CITY PRODUCTS	YG018G	L931670638	R22	Class II	Medium	R290, R407C, or RS-44b	4 lbs 15 oz
building 8	2	N/A	AIR CONDITIONER	Air Conditioning Unit	SANYO	KHS1872	28662	N/A	N/A	Medium	N/A	N/A
building 8	1	104	FRIDGE	Refrigeration Unit	WHIRLPOOL	ET8WTKXKQ08	ES4725474	R134A	N/A	Medium	R290	3.75 oz
building 8	1	OUTSIDE	AIR CONDITIONER	Air Conditioning Unit	TRANE	4TVH0072B400NB	1515S1119X	R410A	N/A	Medium	R290	12.1 lbs
building 8	1	OUTSIDE	AIR CONDITIONER	Air Conditioning Unit	TRANE	4TVH0072B400NB	15075S11113X	R410A	N/A	Medium	R290	12.1 lbs
building 8	1	OUTSIDE	AIR CONDITIONER	Air Conditioning Unit	TRANE	4TVH0072B400NB	1515S1118X	R410A	N/A	Medium	R290	12.1 lbs
building 8	1	100	WATER FOUNTAIN	Drinking Water Fountain	ELKAY	EZS8WS	160614297	R134A	N/A	Medium	R290	4.0 oz
building 8	1	100	WATER FOUNTAIN	Drinking Water Fountain	ELKAY	EZS8WS	160614303	R134A	N/A	Medium	R290	4.0 oz
building 8	1	OUTSIDE	AIR CONDITIONER	Air Conditioning Unit	TRANE	4TVH0072B400NB	1515S1106X	R410A	N/A	Medium	R290	12.1 lbs
building 8	1	OUTSIDE	AIR CONDITIONER	Air Conditioning Unit	TRANE	4TVH0072B400NB	1515S1111X	R410A	N/A	Medium	R290	12.1 lbs
building 8	1	OUTSIDE	AIR CONDITIONER	Air Conditioning Unit	TRANE	4TVH0072B400NB	1515S1201X	R410A	N/A	Medium	R290	12.1 lbs
building 8	1	OUTSIDE	AIR CONDITIONER	Air Conditioning Unit	TRANE	4TVH0072B400NB	1515S1200X	R410A	N/A	Medium	R290	12.1 lbs
building 8	2	200	WATER FOUNTAIN	Drinking Water Fountain	ELKAY	EZS8WS	160614301	R134A	N/A	Medium	R290	4.0 oz
building 8	2	200	WATER FOUNTAIN	Drinking Water Fountain	ELKAY	EZS8WS	160614300	R134A	N/A	Medium	R290	4.0 oz
building 8	1	104	REFRIGERATOR	Refrigeration Unit	WHIRLPOOL	ET8WTKXKQ08	ES4725474	R134A	N/A	Medium	R290	3.75 oz
building 8	2	226	WATER COOLER	Refrigeration Unit	OASIS	CLASSIC-405	517002194	R134A	N/A	Medium	R290	1.2oz
building 8	2	226	REFRIGERATOR	Refrigeration Unit	SEARS	564.891252	11018974	R12	Class I	High	R290	2.8 oz
BUILDING 8	1	OUTSIDE	AC UNIT	Air Conditioning Unit	TRANE	4TVH0120B400NB	1502S1023X	R410A	N/A	Medium	R290	16.3 oz
BUILDING 8	1	OUTSIDE	AC UNIT	Air Conditioning Unit	TRANE	4TVH0120B400NB	1520S1016X	R410A	N/A	Medium	R290	16.3 oz
BUILDING 8	1	OUTSIDE	AC UNIT	Air Conditioning Unit	TRANE	4TVH0072B400NB	1515S1202X	R410A	N/A	Medium	R290	12.1 oz
BUILDING 8	1	OUTSIDE	AC UNIT	Air Conditioning Unit	TRANE	4TVH0120B400NB	1446S1105X	R410A	N/A	Medium	R290	16.3 oz
BUILDING 8	1	OUTSIDE	AC UNIT	Air Conditioning Unit	TRANE	4TVH0120B400NB	1507S109X	R410A	N/A	Medium	R290	16.3 oz
BUILDING 8	1	OUTSIDE	AC UNIT	Air Conditioning Unit	TRANE	4TVH0120B400NB	1503S1012X	R410A	N/A	Medium	R290	16.3 oz
BUILDING 8	1	129	REFRIGERATOR	Refrigeration Unit	GENERAL ELECTRIC	GTS18EBRERWW	AG774092	R134A	N/A	Medium	R290	4.12 oz
BUILDING 8	1	OUTSIDE	AC UNIT	Air Conditioning Unit	TRANE	4TVH0120B400NB	1446S1103X	R410A	N/A	Medium	R290	16.3 oz
BUILDING 8	1	OUTSIDE	AC UNIT	Air Conditioning Unit	TRANE	4TVH0120B400NB	1502S1021X	R410A	N/A	Medium	R290	16.3 oz
BUILDING 8	1	OUTSIDE	AC UNIT	Air Conditioning Unit	TRANE	4TVH0120B400NB	1502S1094X	R410A	N/A	Medium	R290	16.3 oz
BUILDING 8	1	OUTSIDE	AC UNIT	Air Conditioning Unit	TRANE	4TVH0120B400NB	1511S1097X	R410A	N/A	Medium	R290	16.3 oz
building 11	1	127	WATER FOUNTAIN	Drinking Water Fountain	ELKAY	ebfatl8 1d	991226702	R134A	N/A	Medium	R290	4 oz
building 11	1	127	WATER FOUNTAIN	Drinking Water Fountain	ELKAY	ebfatld a	99123119323	R134A	N/A	Medium	R290	4 oz
building 11	1	124	FRIDGE COMPRESSORS	Fridge Compressors	COPELAND	KAGA-007A-TAC-800	14F64145R	R-414B	Class II	High	N/A	N/A
building 11	1	124	FRIDGE COMPRESSORS	Fridge Compressors	EMERSON-COPELAND	KAGA-007A-TAC-800	ET 16C60531R	R-414B	N/A	High	N/A	N/A
building 11	1	124	FRIDGE COMPRESSORS	Fridge Compressors	COPELAND	CS10K6E-TF5-277	08J44340B	C-163	N/A	N/A	N/A	N/A
building 11	1	124	FRIDGE COMPRESSORS	Fridge Compressors	COPELAND	KAGA-007A-TAC-800	14E65820R	R12	Class I	High	R290	N/A
building 11	1	124	FRIDGE COMPRESSORS	Fridge Compressors	EMERSON-COPELAND	LAHA-031E-TAC-800	ET 16L62302R	STAMPED AS R404A & R507	N/A	Medium	R290	N/A
building 11	1	124	FRIDGE COMPRESSORS	Fridge Compressors	COPELAND	KAGA-0075-TAC-800	CTC 76B 16838	N/A	N/A	High	N/A	N/A
building 11	1	124	OLD REFRIGERANT CANNISTERS	Old Refrigerant Cannisters	N/A	N/A	N/A	R-502	Class II	High	N/A	3 cannisters measuring 34" tall X 12" diameter
building 11	1	124	CURRENT REFRIGERANT CANNISTERS	Current Refrigerant Cannisters	N/A	N/A	N/A	404-A	N/A	High	R290	2 24-lb cannisters

building 11	ROOF	ROOF	AC UNIT 1	Air Conditioning Unit	TRANE	zs-05c00nwaaa2a	n1g2051101	R410A	N/A	Medium	R290	6 oz
building 11	ROOF	ROOF	AC UNIT 2	Air Conditioning Unit	N/A	gp673-lm4-gb	k3220dmn	R22	Class II	Medium	R290, R407C, or RS-44b	N/A
building 11	ROOF	ROOF	AC UNIT 5	Air Conditioning Unit	TRANE	N/A	432102057l	N/A	N/A	N/A	N/A	N/A
building 11	ROOF	ROOF	AC UNIT 6	Air Conditioning Unit	TRANE	N/A	348101193l	N/A	N/A	N/A	N/A	N/A
building 11	ROOF	ROOF	AC UNIT 7	Air Conditioning Unit	TRANE	N/A	846100203l	N/A	N/A	N/A	N/A	N/A
building 11	ROOF	ROOF	AC UNIT 8	Air Conditioning Unit	TRANE	N/A	922101336l	N/A	N/A	N/A	N/A	N/A
building 11	ROOF	ROOF	AC UNIT 9	Air Conditioning Unit	TRANE	N/A	N/A	N/A	N/A	N/A	N/A	N/A
building 11	ROOF	ROOF	AC UNIT 10	Air Conditioning Unit	TRANE	N/A	N/A	N/A	N/A	N/A	N/A	N/A
building 11	ROOF	ROOF	AC UNIT 11	Air Conditioning Unit	LENNOX	cha16-060-1g	5601b 06149	R22	Class II	Medium	R290, R407C, or RS-44b	7 lbs 7 oz
building 11	ROOF	ROOF	TRENTON REFRIDG PROD	Refrigeration Unit	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
building 11	1	102	ICE MACHINE	Ice Machine	N/A	b400	1101105224	N/A	N/A	N/A	N/A	N/A
building 11	ROOF	ROOF	AC UNIT 2	Air Conditioning Unit	TRANE	zs-05c00nwaaa2a	n1g2051102	R410A	N/A	Medium	R290	6 oz
building 11	ROOF	ROOF	AC UNIT 3	Air Conditioning Unit	TRANE	tsc060a4r0a0000	729103001l	N/A	N/A	N/A	N/A	N/A
building 11	ROOF	ROOF	AC UNIT 4	Air Conditioning Unit	TRANE	N/A	N/A	N/A	N/A	N/A	N/A	N/A
building 11	ROOF	ROOF	AC UNIT 12	Air Conditioning Unit	TRANE	teha006e6-hs2b-b	160548037t	R404A/R507	N/A	High	R290	N/A
building 11	1	102	KITCHEN HEATING EQUIP	D0010605	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
building 11	1	117	N/A	D0010606	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
building 11	1	117	N/A	D0010582	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
building 11	1	117	N/A	D0010584	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
building 11	1	117	N/A	D0010589	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
building 11	1	117	N/A	D0010588	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
building 11	1	117	N/A	D0010660	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
building 11	1	117	N/A	D0010624	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
building 11	1	117	N/A	N/A	SILVER KING	sk-2 imp	277880x	N/A	N/A	N/A	N/A	N/A
building 11	1	117	N/A	Chilled Serving Counter	N/A	sk- imp	266688 x	N/A	N/A	N/A	N/A	N/A
building 11	1	117	N/A	Chilled Serving Counter	N/A	ahc-5m-n7m	6080700	R134A	N/A	Medium	R290	9 oz
building 11	1	117	N/A	N/A	N/A	N/A	6080600	N/A	N/A	N/A	N/A	N/A
Building 14	1	106	WATER COOLER	Refrigeration Unit	CRYSTAL SPRINGS	TPV1C	97452094	134A	N/A	Medium	R290	1.25 oz
Building 14	1	116	WATER COOLER	Refrigeration Unit	WATER SOLUTIONS	RW110EZ	WA09E02631	N/A	N/A	N/A	N/A	N/A
Building 15	1	103	REFRIGERATOR	Refrigeration Unit	AMANA	ABB1924WEW1	K21207008	R134A	N/A	Medium	R290	4.25 oz
Building 15	1	103	DRINKING FOUNTAIN	Drinking Water Fountain	SUNROC		HP92377?	R12	Class I	High	R290	5.5 oz
BuiLDING 16	1	OUTSIDE	AIR CONDITIONER	Air Conditioning Unit	DAIKIN	REYQ168TTJU	1506110363	R410A	N/A	Medium	R290	25.8 lbs
BuiLDING 16	1	OUTSIDE	AIR CONDITIONER	Air Conditioning Unit	DAIKIN	REYQ168TTJU	1506110367	R410A	N/A	Medium	R290	25.8 lbs
BuiLDING 16	1	OUTSIDE	AIR CONDITIONER	Air Conditioning Unit	DAIKIN	REYQ72TTJU	1505303000	R410A	N/A	Medium	R290	21.9 lbs
BuiLDING 16	1	OUTSIDE	AIR CONDITIONER	Air Conditioning Unit	DAIKIN	REYQ144TTJU	1505302986	R410A	N/A	Medium	R290	25.8 lbs
BuiLDING 16	1	HALLWAY	DRINKING FOUNTAIN	Drinking Water Fountain	HALSEY TAYLOR	HTHB-LR-NF_1A	150514010	N/A	N/A	N/A	N/A	N/A
BuiLDING 16	1	HALLWAY	DRINKING FOUNTAIN	Drinking Water Fountain	HALSEY TAYLOR	HTHB-LR-NF_1A	150514011	N/A	N/A	N/A	N/A	N/A
BuiLDING 16	2	C251	REFRIGERATOR	Refrigeration Unit	TATUNG	TR-35SD-BK	R096G35B0156	R600A	N/A	Low	N/A	.53 oz
BuiLDING 16	2	C256	REFRIGERATOR	Refrigeration Unit	TATUNG	TR-35SD-BK	R096G35B0236	R600A	N/A	Low	N/A	.53 oz
BuiLDING 16	2	C260	REFRIGERATOR	Refrigeration Unit	TATUNG	TR-35SD-BK	R096G35B0159	R600A	N/A	Low	N/A	.53 oz
BuiLDING 16	2	C263	REFRIGERATOR	Refrigeration Unit	TATUNG	TR-35SD-BK	R096G35B0071	R600A	N/A	Low	N/A	.53 oz
BuiLDING 16	2	C265	REFRIGERATOR	Refrigeration Unit	TATUNG	TR-35SD-BK	R096G35B0234	R600A	N/A	Low	N/A	.53 oz
BuiLDING 16	2	HALLWAY	DRINKING FOUNTAIN	Drinking Water Fountain	HALSEY TAYLOR	SJ8QGRN 1B	141215762	R134A	N/A	Medium	R290	3.80 oz
BuiLDING 16	1	HALLWAY	DRINKING FOUNTAIN	Drinking Water Fountain	HALSEY TAYLOR	HTHB-LR-NF_1A	150514013	N/A	N/A	N/A	N/A	N/A
BuiLDING 16	1	OUTSIDE	AIR CONDITIONER	Air Conditioning Unit	DAIKIN	REYQ144TTJU	1505302991	R410A	N/A	Medium	R290	25.8 lbs
BuiLDING 16	1	OUTSIDE	AIR CONDITIONER	Air Conditioning Unit	DAIKIN	REYQ144TTJU	1505302992	R410A	N/A	Medium	R290	25.8 lbs
BuiLDING 16	1	OUTSIDE	AIR CONDITIONER	Air Conditioning Unit	DAIKIN	REYQ120TTJU	1507081286	R410A	N/A	Medium	R290	25.8 lbs
Building 23	1	101	REFRIGERATOR	Refrigeration Unit	GENERAL ELECTRIC	GTS18FBSARWW	RR776405	R134A	N/A	Medium	R290	4.12 oz
Building 23	1	105	WATER COOLER	Refrigeration Unit	PRIMO	601142	001208C	R134A	N/A	Medium	R290	1.13 oz
Building 24	1	111	REFRIGERATOR	Refrigeration Unit	WHIRLPOOL	ABB1924WEW1	K14914775	R134A	N/A	Medium	R290	4.25 oz
BuiLDING 26	1	OUTSIDE	AIR CONDITIONER	Air Conditioning Unit	THERMAL ZONE	TZAA-324-2N	W181521183	R22	Class II	Medium	R290, R407C, or RS-44b	N/A
building 37	1	102	WATER COOLER	Refrigeration Unit	SUNROC CORP	TPV1HS--002	14200002	R134A	N/A	Medium	R290	1.25 oz
building 37	1	115	WATER FOUNTAIN	Drinking Water Fountain	ELKAY	EHFSA8	20111651	134A	N/A	Medium	R290	4.35 oz
building 37	1	108	WATER COOLER	Refrigeration Unit	CRYSTAL SPRINGS	GNB210	LG16E00653	R134A	N/A	Medium	R290	1.2 oz
building 37	1	115	WATER FOUNTAIN	Drinking Water Fountain	ELKAY	EHFSA8	20111641	134A	N/A	Medium	R290	4.35 oz
building 37	1	123	REFRIGERATOR	Refrigeration Unit	WHIRLPOOL	WRS325FNAH00	HR43420398	R134A	N/A	Medium	R290	5.5 oz
building 37	1	123	REFRIGERATOR	Refrigeration Unit	WHIRLPOOL	WRT311FZDW00	VS54690648	R134A	N/A	Medium	R290	4.9 oz
building 37	OUTSIDE	OUTSIDE	AIR CONDITIONER	Air Conditioning Unit	ODYSSEY	TTA180E3HSAA	14193237TA	R410A	N/A	Medium	R290	
building 37	OUTSIDE	OUTSIDE	AIR CONDITIONER	Air Conditioning Unit	TRANE	4TTB6049A10000AA	14113URJ2FK	R410A	N/A	Medium	R290	11 lbs 9 oz
building 37	OUTSIDE	OUTSIDE	AIR CONDITIONER	Air Conditioning Unit	TRANE	TTA090D3HSAA	14244NGAYA	R410A	N/A	Medium	R290	
building 37	OUTSIDE	OUTSIDE	AIR CONDITIONER	Air Conditioning Unit	INGERSOLL BRAND	4TVR0144B300NB	1404S1028X	R410A	N/A	Medium	R290	19.2 lbs
building 37	1	112	REFRIGERATOR	Refrigeration Unit	FRIGIDAIRE	FFTR18G2QW1	BA51426317	R134A	N/A	Medium	R290	4.25 oz
building 37	1	112	REFRIGERATOR	Refrigeration Unit	FRIGIDAIRE	FFTR18G2QW1	BA51426295	R134A	N/A	Medium	R290	4.25 oz
building 54	1	OUTSIDE	OUTSIDE AC UNIT	Air Conditioning Unit	LENNOX	LGH150S4BH1Y	5610F06787	410A	N/A	Medium	R290	18 lbs 8 oz
building 54	1	101	FRIDGE	Refrigeration Unit	FRIGIDAIRE	FFTR18G2QW1	BA51426325	R134A	N/A	Medium	R290	4.25 oz
building 58	1	OUTSIDE	AC UNIT	Air Conditioning Unit	LENNOX	TSA048S4N42Y	5810F10045	R410A	N/A	Medium	R290	7 lbs 8 oz
building 59	1	101	AIR CONDITIONER	Air Conditioning Unit	CARRIER	52MOBU15301AA	1809V08216	R22	Class II	Medium	R290, R407C, or RS-44b	35.98 oz
building 59	1	103	WATER COOLER	Refrigeration Unit	AVANTI	WD360	60200598	R134A	N/A	Medium	R290	30 g
building 59	1	103	WATER COOLER	Refrigeration Unit	SUNBEAM	YLR2-5-87H3	2004 1002110	R134A	N/A	Medium	R290	1.14 oz
building 59	1	103	REFRIGERATOR	Refrigeration Unit	AMANA	ABB1924WEW1	K73700739	R134A	N/A	Medium	R290	4.25 oz
building 59	1	105	AIR CONDITIONER	Air Conditioning Unit	KENMORE	580.74181(cont	404kags(cont)	N/A	N/A	N/A	N/A	
building 59	1	107	WINDOW A\C UNIT	Air Conditioning Unit	FRIEDRICH	SM18L30A-E	LJCZ03306	R22	Class II	Medium	R290, R407C, or RS-44b	45oz
BUILDING 60	1	101	WATER COOLER	Refrigeration Unit	ELKAY	tbmkvaa00001	99113749	R134A	N/A	Medium	R290	1.68 oz
BUILDING 60	OUTSIDE	OUTSIDE	AC UNIT	Air Conditioning Unit	THERMAL ZONE	TZAA-360-2C757	W471430505	R22	Class II	Medium	R290, R407C, or RS-44b	
BUILDING 60	OUTSIDE	OUTSIDE	AC UNIT	Air Conditioning Unit	SAMSUNG	AM120FXVAFH	B0ZZP3GG500013L	R410A	N/A	Medium	R290	16.3 oz
BUILDING 60	OUTSIDE	OUTSIDE	WINDOW UNIT	Air Conditioning Unit	AMANA	NO ACCESS	N/A	N/A	N/A	N/A	R290	
BUILDING 60 door 2	1	104	REFRIDGERATOR	Refrigeration Unit	SUMMIT	FF-6	201610000059	R134A	N/A	Medium	R290	1.77 oz
building 60 door 4	1	103	DRINKING FOUNTAIN	Drinking Water Fountain	ELKAY	EZFSTL8_1E	130831265	R134A	N/A	Medium	R290	4.00 oz
building 60 door 7	1	101	WATER COOLER	Refrigeration Unit	N/A	F528HB010NE (VW210)	IE06F14413	R134A	N/A	Medium	R290	37 g
building 60 door 7	1	OFFICE	REFRIGERATOR	Refrigeration Unit	GENERAL ELECTRIC	GSS22IBMD CC	HD224090	R134A	N/A	Medium	R290	3.75 oz
BuiLDING 66	1	115	SPLIT UNIT	Split Unit	ACROAIRE	F9MXE1202422A1	A122545979	R410A	N/A	Medium	R290	
Building 73	1	101	WATER FOUNTAIN	Drinking Water Fountain	ELKAY	EZWSR_1C	140930723	R134A	N/A	Medium	R290	4 oz
Building 35	1	129	DRINKING FOUNTAIN	Drinking Water Fountain	ELKAY	EBSFA8-1B	990614525	R134A	N/A	Medium	R290	4.8 oz
Building 35	1	129	DRINKING FOUNTAIN	Drinking Water Fountain	OASIS		9646517956	R134A	N/A	Medium	R290	3.9 oz
Building 35	1	151	AIR CONDITION	Air Conditioning Unit	HONEYWELL	MN10CESWW	1404006692	R410A	N/A	Medium	R290	.99 lbs

Building 35	1	103	REFRIGERATOR	Refrigeration Unit	HOTPOINT	CTX21EABBRWW	HT568715	R134A	N/A	Medium	R290	5.5 oz
Building 35	1	108	REFRIGERATOR	Refrigeration Unit	BEVERAGE-AIR	HR2-1S	1053376	R134A	N/A	Medium	R290	10 oz
Building 35	ROOF	ROOF	AIR CONDITION	Air Conditioning Unit	TRANE	tta180e30saa	13454kg1ta	R410A	N/A	Medium	R290	
Building 35	ROOF	ROOF	AIR CONDITION	Air Conditioning Unit	TRANE	yhc047e3rma0eh0b4a2b001000000c000000000	N/A	R410A	N/A	Medium	R290	10.8 lbs
Building 35	ROOF	ROOF	AIR CONDITION	Air Conditioning Unit	TRANE	yhc037e3rla0gh0b4a2b001000000b000000000	N/A	R410A	N/A	Medium	R290	10.8 lbs
Building 35	1	150	ICE MACHINE	Ice Machine	MANITOWOC	QY0214A	310162088	R404A	N/A	High	R290	13 OZ
Building 35	OUTSIDE	OUTSIDE	AC UNIT	Air Conditioning Unit	TRANE	YHC047E3RHAOEHOB4A2B001000000C0000000000	143711637L	R410A	N/A	Medium	R290	10.8 lbs
Building 35	ROOF	ROOF	AC UNIT	Air Conditioning Unit	TRANE	YHC047E3RHA0EH6B2A2BOB0000000C000000000	143711785L	R410A	N/A	Medium	R290	15.2 lbs
Building 35	ROOF	ROOF	AC UNIT	Air Conditioning Unit	TRANE	TTA180E30SAA	13491LXETA	R410A	N/A	Medium	R290	N/A
Building 35	1	149	FREEZER	Freezer Unit	BALLY	3478	G1112	N/A	N/A	N/A	N/A	N/A
Building 35	1	150	REFRIGERATOR	Refrigeration Unit	HOTPOINT ELECTRIC COMPANY	HTR15ABMFRWW	AF814645	R134A	N/A	Medium	R290	4.12 oz
Building 35	OUTSIDE	OUTSIDE	CONDENSING UNIT	Condensing Unit	MITSUBISHI ELECTRIC MR. SLIM	PUY-A12NHA4	4XU09563A	R410A	N/A	Medium	R290	2 lbs 14 oz
Building 35	ROOF	ROOF	AIR CONDITIONER	Air Conditioning Unit	TRANE	YSC060E3RMA1MH0B2C1B0010000000B0000000000	135012076L	R410A	N/A	Medium	R290	9.8 lbs
Building 35	ROOF	ROOF	AIR CONDITIONER	Air Conditioning Unit	TRANE	YHC047E3RHA0EH6B2A2B0B0000000C0000000000	143711775L	R410A	N/A	Medium	R290	15.2 lbs
Building 35	ROOF	ROOF	AIR CONDITIONER	Air Conditioning Unit	TRANE	YHC067E3RHA0DH0B4A2B0010000000C0000000000	143711639L	R410A	N/A	Medium	R290	12.5 lbs
FMS	1	HEATER ROOM	Split Unit	Split Unit	Trane	4TXCB003DS3HCAA	18276X6X5G	R410A	N/A	Medium	R290	UNKN
FMS	1	HEATER ROOM	Split Unit	Split Unit	Trane	4PXCBU48BS3HAAA	17355SSJ5G	R410A	N/A	Medium	R290	UNKN
FMS	1	HEATER ROOM	Split Unit	Split Unit	Trane	4PXCBU48BS3HAAA	17355SFW5G	R410A	N/A	Medium	R290	UNKN
FMS	1	OUTSIDE	Heat Pump	Heat Pump	Samsung	AQX36VFUAGM		R410A	N/A	Medium	R290	88.1 oz
FMS	1	OUTSIDE	AIR CONDITIONER	AIR CONDITIONER	Trane	4TWR4024G1000AB	182817YE4F	R410A	N/A	Medium	R290	6 lbs
FMS	1	OUTSIDE	AIR CONDITIONER	AIR CONDITIONER	Trane	4TWA7048A3000AA	18272MH02F	R410A	N/A	Medium	R290	12 lbs
FMS	1	OUTSIDE	AIR CONDITIONER	AIR CONDITIONER	Trane	4TWA7048A3000AA	18272MLG2F	R410A	N/A	Medium	R290	12 lbs
MED/GIB	1	HEATER ROOM	Multi V Heat Pump	Multi V Heat Pump	LG	ARUB144BTE4	703KCYQ1F402	R410A	N/A	Medium	R290	23.6 lbs
MED/GIB	1	HEATER ROOM	Multi V Heat Pump	Multi V Heat Pump	LG	ARUB144BTE4	703KCNL1F391	R410A	N/A	Medium	R290	23.6 lbs
MED/GIB	1	OUTSIDE	Smart Inverter	Smart Inverter	LG	LSU243HLV	706KAFX2K515	R410A	N/A	Medium	R290	77.6 oz
MED/GIB	1	OUTSIDE	AIR CONDITIONER	AIR CONDITIONER	York	PC090C00A2GLG4	N1L7153208	R410A	N/A	Medium	R290	N/A
MED/GIB	1	OUTSIDE	AIR CONDITIONER	AIR CONDITIONER	York	PC090C00A2GLG4	N1L7153209	R410A	N/A	Medium	R290	N/A

Table SS3

Air Emission Source Survey

Ozone Depleting Chemicals Survey

Date: 7/12/2017

Surveyors: Bill McBride, Anjelica McMahon, Devin Walker, Hannah Buckley, Rosalie Hood, Jon Mckinnon and Hunter Davis.

Facility Name: Somerset Armory

Armorer: Llewelyn Charles

Location	Floor	Room	Emission Source Name	Equipment Type (See Blue Text on Questionnaire)	Make	Model	Serial Number	Refrigerant	Class	GWP Level	Replacement Options	Amount of Refrigerant (lbs/oz)
ARMORY	1	101	FREEZER	FREEZER	Traulsen	G12011	T06293I15	R404A	N/A	High	R290	15 oz
ARMORY	1	101	REFRIGERATION UNIT	REFRIGERATION UNIT	Traulsen	G20010	T181636C12	R134A	N/A	Medium	R290	16 oz
ARMORY	1	101	ICE MACHINE	ICE MACHINE	Manitowoc	QY0214A	310108395	R404A	N/A	High	R290	13 oz
ARMORY	1	102	DRINKING WATER FOUNTAIN	DRINKING WATER FOUNTAIN	Halsey Taylor	HTV8Q	101131139	R134A	N/A	Medium	R290	3.65 oz
ARMORY	2	201	WATER COOLER	WATER COOLER	N/A	F323HB040	IA05A06095	R134A	N/A	Medium	R290	1.31 oz
ARMORY	2	248	DRINKING WATER FOUNTAIN	DRINKING WATER FOUNTAIN	Elkay	N/A	N/A	R134A	N/A	Medium	R290	6.36 oz
ARMORY	2	217	WATER COOLER	WATER COOLER	Viva	8LIECH-SSF-COSUS	[1]110728902320	R134A	N/A	Medium	R290	.99 oz
ARMORY	2	216	REFRIGERATION UNIT	REFRIGERATION UNIT	Hotpoint	CTXY14CPCRWH	LF769769	R12	Class I	High	R290	4.375 oz
ARMORY	2	216	REFRIGERATION UNIT	REFRIGERATION UNIT		MCWC52M	MC0120903702	R134A	N/A	Medium	R290	2.12 oz
ARMORY	2	216	DEHUMIDIFIER	DEHUMIDIFER	Frigidaire	FAD504DWD	KN42614327	R410A	N/A	Medium	R290	7.05 oz
ARMORY	OUTSIDE	OUTSIDE	AIR CONDITIONING UNIT	AIR CONDITIONING UNIT	Trane	TCD301E30LAC	114112073D	R410A	N/A	Medium	R290	384 oz
FMS	1	FMS-1	VEHICLE AIR CONDITIONING RECOVERY UNIT	VEHICLE AIR CONDITIONING RECOVERY UNIT	Robinair	17800B	9147	R134A	N/A	Medium	R290	480 oz
FMS	1	FMS-3	AIR CONDITIONING UNIT	AIR CONDITIONING UNIT	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
FMS	1	FMS-5	REFRIGERATION UNIT	REFRIGERATION UNIT	Whirlpool	ET8WTKXKT0 5	ER3927358	R134A	N/A	Medium	R290	4 oz
FMS	1	FMS-5	WATER COOLER	WATER COOLER	Whirlpool	WHKMD20	EJU/31 62450	R134A	N/A	Medium	R290	1.07 oz

Summary of Totals	
Class 1'(s)	1
Class 2'(s)	0
GWP'(s)	14
Missing Code'(s)	1

GWP Level Index*	
High	Greater than 2500
Medium	150-2500
Low	Less than 150

*Values are from Linde Gas and IPCC 4th Assessment Report, 2007. Global Warming Potential (GWP) based 100 year.

GWP Level Totals**	
High	3
Medium	11
Low	0

**Totals do not reflect the refrigerant units missing codes.

Table TK3

Air Emission Source Survey

Ozone Depleting Chemicals Survey

Date: 8/8/2018
Surveyors: Devin Walker, Rosalie Hood, and Jon Mckinnon
Armory Name: Teaneck
Armorer: Wendell Laws

Location	Floor	Room	Emission Source Name	Equipment Type (See Blue Text on Questionnaire)	Make	Model	Serial Number	Refrigerant	Class	GWP Level	Replacement Options	Pounds of Refrigerant
ARMORY	Basement	B7	CHILLED SERVING COUNTER	CHILLED SERVING COUNTER	DUKE MFG. CO.	316-25SS-N7 M	8111064	R134A	N/A	Medium	R290	11 OZ
ARMORY	Basement	B7	REFRIGERATION UNIT	REFRIGERATION UNIT	TRAULSEN	G22010	T167006G11	R404A	N/A	High	R290	23 OZ
ARMORY	Basement	B7	REFRIGERATION UNIT	REFRIGERATION UNIT	TRAULSEN	G20010	T167001G1	R134A	N/A	Medium	R290	16 OZ
ARMORY	Basement	B7	REFRIGERATION UNIT	REFRIGERATION UNIT	TRUE	T-49	AK4460Y	R134A	N/A	Medium	R290	17 OZ
ARMORY	Basement		REFRIGERATION GAS TANK	REFRIGERATION GAS TANK	N/A	CAGE 1SPW4 PN	SPM4AR-07-D-0100-676T	R404A	N/A	High	R290	1 CYLINDER
ARMORY	Basement	B-9	ICE MACHINE	ICE MACHINE	MANITOWOC	ID0302A-161	1101043276	R404A	N/A	High	R290	15 OZ
ARMORY	1	140	AIR CONDITIONING UNIT	AIR CONDITIONING UNIT	frigidaire	ffre10l3q16	kk44700018	r410a	N/A	Medium	R290	16.58 oz
ARMORY	1	133	AC PORTABLE UNIT	AC PORTABLE UNIT	SOLEUSAIR	EL-PAC-08E9	10038500100113	R410A	N/A	Medium	R290	13.4 OZ
ARMORY	1	104	AIR CONDITIONING UNIT	AIR CONDITIONING UNIT	SANYO	KMS0912	33322	N/A	N/A	N/A	N/A	N/A
ARMORY	1	107	AIR CONDITIONING UNIT	AIR CONDITIONING UNIT	SANYO	KS3632	225531	SPLIT TYPE	N/A	N/A	N/A	N/A
ARMORY	1	114	EVAP UNIT	EVAP UNIT	N/A	MS09NW	9004727 T	R22	Class II	Medium	R290, R407C, or RS-44b	N/A
ARMORY	1	114	EVAP UNIT	EVAP UNIT	N/A	MS09NW	9004464 T	R22	Class II	Medium	R290, R407C, or RS-44b	N/A
ARMORY	1	112	EVAP UNIT	EVAP UNIT	N/A	MS15NN	9000500 T	R22	Class II	Medium	R290, R407C, or RS-44b	N/A
ARMORY	1	117A	ICE MACHINE	N/A	HOSHIZAKI ICE MAKER	KM-250BAF	P16027L	R404A	N/A	High	R290	12 OZ
ARMORY	1	119	SPLIT UNIT	SPLIT UNIT	MITSUBISHI MR.SLIM	MSZ-A17NA	6001642	R410A	N/A	Medium	R290	N/A
ARMORY	1	121	SPLIT UNIT	SPLIT UNIT	MITSUBISHI MR.SLIM	MSZ-A12NA	6002327	R410A	N/A	Medium	R290	N/A
ARMORY	1	122	SPLIT UNIT	SPLIT UNIT	MITSUBISHI MR.SLIM	MSZ-A12NA	6002327	R410A	N/A	Medium	R290	N/A
ARMORY	1	147	WATER FOUNTAIN	WATER FOUNTAIN	ELKAY	EWA4_1F	110113338	R134A	N/A	Medium	R290	4.25 OZ
ARMORY	2	223	REFRIGERATOR	REFRIGERATOR	WHITE-WESTING HOUSE	RT176G	N/A	N/A	N/A	N/A	N/A	N/A
ARMORY	2	205	AC WINDOW UNIT	AC WINDOW UNIT	AIRTEMP	B6X08F2A	CR 244916 072Y	CANT ACCESS PLATE	N/A	N/A	N/A	CANT ACCESS PLATE
ARMORY	2	204	AC WINDOW UNIT	AC WINDOW UNIT	ELECTROLUX FRIGIDAIRE	FFRE10L3Q1	KK44358654	R410A	N/A	Medium	R290	16.58 OZ
ARMORY	2	200	AC WINDOW UNIT	AC WINDOW UNIT	ELECTROLUX FRIGIDAIRE	FFRE08L3Q1	KK41718349	R410A	N/A	Medium	R290	14.11 OZ
ARMORY	2	201	AC WINDOW UNIT	AC WINDOW UNIT	AIRTEMP	B6X08F2A-A	CR 228892 072Y	CANT ACCESS PLATE	N/A	N/A	N/A	CANT ACCESS PLATE
ARMORY	2	207	AC WINDOW UNIT	AC WINDOW UNIT	ELECTROLUX FRIGIDAIRE	FRA052XT7	KK14390926	R410A	N/A	Medium	R290	8.82 OZ
ARMORY	2	219	AC PORTABLE UNIT	AC PORTABLE UNIT	SOLEUSAIR	EL-PAC-08E9	100344400100384	R410A	N/A	Medium	R290	13.4 OZ
ARMORY	2	214	AC WINDOW UNIT	AC WINDOW UNIT	ELECTROLUX FRIGIDAIRE	FFRE08L3Q1	KK41717362	R410A	N/A	Medium	R290	14.11 OZ
ARMORY	2	213	AC WINDOW UNIT	AC WINDOW UNIT	CARRIER	51KYC110101	000P773694	R22	Class II	Medium	R290, R407C, or RS-44b	30.25 OZ
ARMORY	2	212	AC WINDOW UNIT	AC WINDOW UNIT	ELECTROLUX FRIGIDAIRE	FFRE08L3Q1	N/A	R410A	N/A	Medium	R290	14.11 OZ
ARMORY	OUTSIDE	N/A	AC UNIT	AC UNIT	SANYO	CM1812	48523	R22	Class II	Medium	R290, R407C, or RS-44b	2.16X2LBS
ARMORY	OUTSIDE	N/A	AC UNIT	AC UNIT	SANYO	CM2412	68244	R22	Class II	Medium	R290, R407C, or RS-44b	2.87X2LBS
ARMORY	OUTSIDE	N/A	AC UNIT	AC UNIT	SANYO	C3632A	27624	R22	Class II	Medium	R290, R407C, or RS-44b	9.5 LBS
ARMORY	OUTSIDE	N/A	AC UNIT	AC UNIT	PANASONIC	CU-C24BKP6	592203606	R22	Class II	Medium	R290, R407C, or RS-44b	61.1 OZ
ARMORY	OUTSIDE	N/A	AC UNIT	AC UNIT	MITSUBISHI MR.SLIM	MUM30NN2	06900319B	R22	Class II	Medium	R290, R407C, or RS-44b	2LBS 14OZX2 + 3LBS 1OZ
ARMORY	OUTSIDE	N/A	AC UNIT	AC UNIT	MITSUBISHI MR.SLIM	MXZ-3A30NA	61900254 B	R410A	N/A	Medium	R290	7LBS 11OZ
ARMORY	OUTSIDE	N/A	AC UNIT	AC UNIT	MITSUBISHI MR.SLIM	MXZ-2A20NA	N/A	R410A	N/A	Medium	R290	5LBS 15OZ
OMS	1	14	WATER FOUNTAIN	WATER FOUNTAIN	ELKAY	EWA4_1F	110113341	R134A	N/A	Medium	R290	4.25 OZ
OMS	ROOF	OMS-ROOF	AC UNIT	AC UNIT	HEATER CONTROLLER, INC	MTV111HE	28810 201055	R22	Class II	Medium	R290, R407C, or RS-44b	26.75 OZ
OMS	ROOF	OMS-ROOF	AC UNIT	AC UNIT	HEATER CONTROLLER, INC	MTV111HE	28712 246960	R22	Class II	Medium	R290, R407C, or RS-44b	26.75 OZ
OMS	ROOF	OMS-ROOF	AC UNIT	AC UNIT	HEATER CONTROLLER, INC	MTV111HE	28712 246959	R22	Class II	Medium	R290, R407C, or RS-44b	26.75 OZ

Summary of Totals	
Class 1'(s)	0
Class 2'(s)	14
GWP'(s)	35
Missing Code'(s)	3

GWP Level Index*	
High	Greater than 2500
Medium	150-2500
Low	Less than 150

*Values are from Linde Gas and IPCC 4th Assessment Report, 2007. Global Warming Potential (GWP) based 100 year.

GWP Level Totals**	
High	4
Medium	31
Low	0

**Totals do not reflect the refrigerant units missing codes.

Table TR3

Air Emission Source Survey

Ozone Depleting Chemicals Survey

Date: 7/11/2017
Surveyors: Devin Walker, Rosalie Hood, Jonathan McKinnon
Armory Name: Toms River
Armorer: Mike Reeves

Location	Floor	Room	Emission Source Name	Equipment Type (See Blue Text on Questionnaire)	Make	Model	Serial Number	Refrigerant	Class	GWP Level	Replacement Options	Amount of Refrigerant (lbs/oz)
ARMORY	1	drill	WATER FOUNTAIN	WATER FOUNTAIN	Halsey Taylor	HAC8FSQ_1C	80423124	R134A	N/A	Medium	R290	4.1 oz
ARMORY	1	106	REFRIGERATOR	REFRIGERATOR	Summit	FF-41R	21200071	R134A	N/A	Medium	R290	2.6 oz
ARMORY	1	110	REFRIGERATOR	REFRIGERATOR	Traulsen	G20010	T95790E15	R134A	N/A	Medium	R290	16 oz
ARMORY	1	110	REFRIGERATOR	REFRIGERATOR	Traulsen	G12010	T184156D12	R404A	N/A	High	R290	15 oz
ARMORY	1	110	ICE MACHINE	ICE MACHINE	Ice-O-Matic	ICEU220HA2	11061280014239	R404A	N/A	High	R290	12 oz
ARMORY	1	112	COLD COUNTER	COLD COUNTER	Bayonne Stainless Products	CPM-60	2914	N/A	N/A	N/A	N/A	N/A
ARMORY	1	OUTSIDE	AIR CONDITION	AIR CONDITION	Weather King	13AJA48A01	7281N280601374	R22	Class II	Medium	R290, R407C, or RS-44b	123 oz
ARMORY	1	OUTSIDE	AIR CONDITION	AIR CONDITION	Weather King	13AJA60A01	7282N290602729	R22	Class II	Medium	R290, R407C, or RS-44b	191 oz
ARMORY	1	OUTSIDE	AIR CONDITION	AIR CONDITION	Weather King	13AJA60A01	7402N100761	R22	Class II	Medium	R290, R407C, or RS-44b	77 oz
ARMORY	1	OUTSIDE	AIR CONDITION	AIR CONDITION	Weather King	13AJA60A01	7282N290602806	R22	Class II	Medium	R290, R407C, or RS-44b	191 oz
ARMORY	1	OUTSIDE	AIR CONDITION	AIR CONDITION	Weather King	13AJA60A01	7402N100700750	R22	Class II	Medium	R290, R407C, or RS-44b	77 oz
ARMORY	1	OUTSIDE	AIR CONDITION	AIR CONDITION	Weather King	13AJA48A01	7281N380632286	R22	Class II	Medium	R290, R407C, or RS-44b	123 oz
FMS	1	101	AIR CONDITION	AIR CONDITION	Carrier	51SSA108121	77622347	R22	Class II	Medium	R290, R407C, or RS-44b	29oz
N/A	1	103	AIR CONDITION	AIR CONDITION	Fredrich	SS09J10A	JHGS16720	R22	Class II	Medium	R290, R407C, or RS-44b	26 oz
STORAGE BUTLER BLDG	1	N/A	REFRIGERATOR	REFRIGERATOR	Victory	RAA-2D-s9	GG0056820	R134A	N/A	Medium	R290	13 oz
OMS	1	100	WATER FOUNTAIN	WATER FOUNTAIN	Elkay	WHCB-14-3	B60410623	R12	Class I	High	R290	6 oz
OMS	1	102	CLIMATE CHANGER	CLIMATE CHANGER DRAW-THRU	Trane	N/A	K86H09422	R-0	N/A	N/A	N/A	N/A

Summary of Totals	
Class 1'(s)	1
Class 2'(s)	8
GWP'(s)	15
Missing Code'(s)	2

GWP Level Index*	
High	Greater than 2500
Medium	150-2500
Low	Less than 150

*Values are from Linde Gas and IPCC 4th Assessment Report, 2007. Global Warming Potential (GWP) based 100 year.

GWP Level Totals**	
High	3
Medium	12
Low	0

**Totals do not reflect the refrigerant units missing codes.

Table TU3

Air Emission Source Survey

Ozone Depleting Chemicals Survey

Date: 6/26/2017

Surveyors: Chuck Appleby, Rosalie Hood, Jonathan McKinnon

Armory Name: Tuckerton

Armorer: Lynne Gutierrez

Location	Floor	Room	Emission Source Name	Equipment Type (See Blue Text on Questionnaire)	Make	Model	Serial Number	Refrigerant	Class	GWP Level	Replacement Options	Amount of Refrigerant (lbs/oz)
ARMORY	1	3H	WATER FOUNTAIN	WATER FOUNTAIN	Oasis	CP5M	N/A	R12	Class I	High	R290	<1lv
ARMORY	1	9	AIR CONDITION	AIR CONDITION	N/A	ERAS 12 RC/RH	1370276	R22	Class II	Medium	R290, R407C, or RS-44b	32oz
ARMORY	Roof	N/A	AIR CONDITION	AIR CONDITION	Carrier	50TC-A06A2A5A0A0A0	0111G10290	R410A	N/A	Medium	R290	10.7 LBS
ARMORY	Roof	N/A	AIR CONDITION	AIR CONDITION	Carrier	50TC-A05A2A5A0A0A0	3712C85834	R410A	N/A	Medium	R290	11 LBS
ARMORY	Roof	N/A	AIR CONDITION	AIR CONDITION	Carrier	50TC-A07A2A5A0A0A0	3212C80639	R410A	N/A	Medium	R290	14.2 LBS

Summary of Totals	
Class 1'(s)	1
Class 2'(s)	1
GWP'(s)	5
Missing Code'(s)	0

GWP Level Index*	
High	Greater than 2500
Medium	150-2500
Low	Less than 150

*Values are from Linde Gas and IPCC 4th Assessment Report, 2007. Global Warming Potential (GWP) based 100 year.

GWP Level Totals**	
High	1
Medium	4
Low	0

**Totals do not reflect the refrigerant units missing codes.

Table VD3

Air Emission Source Survey

Ozone Depleting Chemicals Survey

Date: 5/11/2017
Surveyors: Bill McBride, Anjelica McMahon, Devin Walker, Hannah Buckley, Rosalie Hood, Jon Mckinnon and Hunter Davis
Armory Name: Vineland
Armorer: Phillip Fiore

Location	Floor	Room	Emission Source Name	Equipment Type (See Blue Text on Questionnaire)	Make	Model	Serial Number	Refrigerant	Class	GWP Level	Replacement Options	Amount of Refrigerant (lbs/oz)
ARMORY	1	102	WINDOW UNIT	WINDOW UNIT	Frigidair	FAL135M1A1	JK308219968	R22	Class II	Medium	R290, R407C, or RS-44b	32.5 oz
ARMORY	1	103	ICE MACHINE	ICE MACHINE	Scotsman	CU1526MA-1A	14081320016312	R404A	N/A	High	R290	12 oz
ARMORY	1	103	REFRIGERATOR	REFRIGERATOR	Continental	2R	14466981	R134A	N/A	Medium	R290	11.5 oz
ARMORY	2	203	WINDOW UNIT	WINDOW UNIT	Haier	HWR06XC7	AD0EW0E0200A983 R15150010561824	R22	Class II	Medium	R290, R407C, or RS-44b	12.7 oz
ARMORY	2	203	WINDOW UNIT	WINDOW UNIT	Friedrich	SS09J10A	JGDS02743	R22	Class II	Medium	R290, R407C, or RS-44b	26.0 oz
ARMORY	3	313	WINDOW UNIT	WINDOW UNIT	Frigidair	FRA086AT7	KK14264465	R410A	N/A	Medium	R290	11.82 oz
ARMORY	3	313	WINDOW UNIT	WINDOW UNIT	Emerson	9CM83A	18K882513	R22	Class II	Medium	R290, R407C, or RS-44b	23 oz
ARMORY	3	313	WINDOW UNIT	WINDOW UNIT	Frigidair	FRA086AT7	KK14221506	R410A	N/A	Medium	R290	11.82 oz
ARMORY	3	313	WINDOW UNIT	WINDOW UNIT	Frigidair	FAC104N1A1	KK40726715	R22	Class II	Medium	R290, R407C, or RS-44b	25.5 oz
FMS	1	107	MOTOR VEHICLE REFRIGERANT RECOVERY SYSTEM	MOTOR VEHICLE REFRIGERANT RECOVERY SYSTEM	Robinair	17800B	11059	R12 or R134A	Poss. Class I	Poss. High	R290	N/A
ARMORY	1	103	REFRIGERATOR	REFRIGERATOR	Continental	2R	14466959	R134A	N/A	Medium	R290	11.5 oz
ARMORY	2	214	DRINKING FOUNTAIN	DRINKING FOUNTAIN	Halsey Taylor	HAC8FSCQ_1E	130527805	R134A	N/A	Medium	R290	4 oz
ARMORY	2	203	AIR CONDITIONER	WINDOW UNIT	Electrolux	FAL135M1A1	JK30215244	R22	Class II	Medium	R290, R407C, or RS-44b	32.5 oz
ARMORY	2	203	AIR CONDITIONER	PORTABLE AC UNIT	Danby	DPAC 7597	1.19705E+15	R22	Class II	Medium	R290, R407C, or RS-44b	19.4 oz
ARMORY	2	313	AIR CONDITIONER	WINDOW UNIT	GE	AGF12AAG1	AF 014614	R22	Class II	Medium	R290, R407C, or RS-44b	17.8 oz
ARMORY	2	313	AIR CONDITIONER	WINDOW UNIT	Frigidaire	FRA126CT1	KK14608166	R404A	N/A	High	R290	18.52 oz
ARMORY	2	313	AIR CONDITIONER	WINDOW UNIT	GE	AGN10ABG1	DZ017583	R22	Class II	Medium	R290, R407C, or RS-44b	19 oz
ARMORY	2	313	AIR CONDITIONER	WINDOW UNIT	GE	SFR03BAPABB	RH 300789	R134A	N/A	Medium	R290	1.94 oz
ARMORY	2	313	AIR CONDITIONER	WINDOW UNIT	GE	AGN10ABG1	DZ 017588	R22	Class II	Medium	R290, R407C, or RS-44b	19 oz
ARMORY	2	313	AIR CONDITIONER	WINDOW UNIT	Kenmore	25370125001	JK02048273	R22	Class II	Medium	R290, R407C, or RS-44b	31.50 oz
FMS	1	KITCHEN	REFRIDGERATOR	REFRIGERATOR	Whirlpool	ET8WTKXKT0	ER3927328	R134A	N/A	Medium	R290	4 oz
FMS	1	KITCHEN	AIR CONDITIONER	CIELING AC	Sanyo	KS1872	182972	R410A	N/A	Medium	R290	68.8 oz
FMS	1	STORAGE	AIR CONDITIONER	CIELING AC	Dakin	FTXN24KVJU	E000980	R410A	N/A	Medium	R290	51.41 oz
FMS	1	102	WATER FOUTAIN	WATER FOUNTAIN	Halsey Taylor	SCWT8AQ 1L	91112113	R134A	N/A	Medium	R290	4.10 oz
ARMORY	2	313	AIR CONDITIONER	WINDOW UNIT	GE	AGN10ABG1	AZ 084446	R22	Class II	Medium	R290, R407C, or RS-44b	19 oz
FMS	2	101	AIR CONDITIONER	CARRIER	Carrier	51SSA108121	000N896249	R22	Class II	Medium	R290, R407C, or RS-44b	29 oz
ARMORY	2	313	AIR CONDITIONER	AIR CONDITIONER	Electrolux	FRAO86AT7	KK14232932	R410A	N/A	Medium	R290	12.17 oz
ARMORY	2	313	AIR CONDITIONER	AIR CONDITIONER	Air Temp	B6X08F2A	CR228894072Y	R22	Class II	Medium	R290, R407C, or RS-44b	15 oz

Summary of Totals	
Class 1'(s)	1***
Class 2'(s)	14
GWP'(s)	28
Missing Code'(s)	0

GWP Level Index*	
High	Greater than 2500
Medium	150-2500
Low	Less than 150

*Values are from Linde Gas and IPCC 4th Assessment Report, 2007. Global Warming Potential (GWP) based 100 year.

GWP Level Totals**	
High	3***
Medium	25
Low	0

**Totals do not reflect the refrigerant units missing codes.

*** Equipment may contain R12

Table WT3

Air Emission Source Survey

Ozone Depleting Chemicals Survey

Date: 6/27/2017
Surveyors: Bill McBride, Hannah Buckley, Hunter Davis
Facility Name: Washington
Armorer: Charles Rissmiller

Location	Floor	Room	Emission Source Name	Equipment Type (See Blue Text on Questionnaire)	Make	Model	Serial Number	Refrigerant	Class	GWP Level	Replacement Options	Amount of Refrigerant (lbs/oz)
FMS	1	161	AIR CONDITIONER	WALL UNIT	Trane	PTEB1201GB	A90K00291	R22	Class II	Medium	R290, R407C, or RS-44b	35oz
ARMORY	1	103	DRINKING FOUNTAIN	DRINKING FOUNTAIN	Elkay	EZFS8 1A	30512484	R134A	N/A	Medium	R290	4.1oz
ARMORY	1	121	REFRIGERATOR	REFRIGERATOR	Victory	RAA-2D-S9	F0055649	R134A	N/A	Medium	R290	13 oz
ARMORY	1	118B	REFRIGERATOR	REFRIGERATOR	Traulsen	G20010	T181898C12	R134A	N/A	Medium	R290	16 oz
ARMORY	1	118B	ICE MACHINE	ICE MACHINE	Ice O-Matic	ICEU220HA2	11061280014585	R404A	N/A	High	R290	12 oz
ARMORY	1	126	REFRIGERATOR	REFRIGERATOR	AGA Marvel	6CRF0610	20130207001 H	R134A	N/A	Medium	R290	.27 lbs
ARMORY	1	104	DRINKING FOUNTAIN	DRINKING FOUNTAIN	Elkay	EHFSA8 1K	170425769	R134A	N/A	Medium	R290	4 oz
ARMORY	2	200	DRINKING FOUNTAIN	DRINKING FOUNTAIN	Elkay	EHFSA8 1K	160936101	R134A	N/A	Medium	R290	4 oz
ARMORY	2	209	AIR CONDITIONER	PORTABLE UNIT	Movincool	Classic 18	03110021C18	R410A	N/A	Medium	R290	1.76 lbs
ARMORY	2	210	AIR CONDITIONER	PORTABLE UNIT	Danby	DPAC8399-3	403020800816	R22	Class II	Medium	R290, R407C, or RS-44b	560 grams
ARMORY	2	206	AIR CONDITIONER	WALL UNIT	LG	LP123CD3B	Unknown	R410A	N/A	Medium	R290	21.5oz
ARMORY	2	206	AIR CONDITIONER	WALL UNIT	LG	LP123CD3B	Unknown	R410A	N/A	Medium	R290	21.5oz
ARMORY	2	204	AIR CONDITIONER	PORTABLE UNIT	Danby	DPAC8399-3	0403010807417	R22	Class II	Medium	R290, R407C, or RS-44b	560 grams
ARMORY	ROOF	ROOF	AIR CONDITIONER	ROOF UNIT	Trane	TCD075A300AB	E49143469D	R22	Class II	Medium	R290, R407C, or RS-44b	8.6 lbs
ARMORY	ROOF	ROOF	AIR CONDITIONER	ROOF UNIT	Trane	DAPM-F036AD	(S)N0K8354539	R22	Class II	Medium	R290, R407C, or RS-44b	5 lbs
ARMORY	ROOF	ROOF	AIR CONDITIONER	ROOF UNIT	Trane	TCC024F100BG	5314LAG2H	R22	Class II	Medium	R290, R407C, or RS-44b	4lbs 2oz
ARMORY	ROOF	ROOF	AIR CONDITIONER	ROOF UNIT	Trane	TTJ736A100B0	E09287962	R22	Class II	Medium	R290, R407C, or RS-44b	4lbs 8oz
ARMORY	ROOF	ROOF	AIR CONDITIONER	ROOF UNIT	Trane	TTJ736A100B0	E18270169	R22	Class II	Medium	R290, R407C, or RS-44b	2lbs 10oz

Summary of Totals	
Class 1'(s)	0
Class 2'(s)	8
GWP'(s)	18
Missing Code'(s)	0

GWP Level Index*	
High	Greater than 2500
Medium	150-2500
Low	Less than 150

*Values are from Linde Gas and IPCC 4th Assessment Report, 2007. Global Warming Potential (GWP) based 100 year.

GWP Level Totals**	
High	1
Medium	17
Low	0

**Totals do not reflect the refrigerant units missing codes.

Table WO3

Air Emissions Source Surveys

Ozone Depleting Chemicals Survey

Date: 7/27/2017

Surveyors: Anjelica McMahon, Devin Walker, Hannah Buckley, Rosalie Hood, Jon Mckinnon and Hunter Davis

Armory Name: West Orange

Armorer: Raul Chacon

Location	Floor	Room	Emission Source Name	Equipment Type (See Blue Text on Questionnaire)	Make	Model	Serial Number	Refrigerant	Class	GWP Level	Replacement Options	Amount of Refrigerant (lbs/oz)
ARMORY	1	100	AIR CONDITIONING UNIT	AIR CONDITIONING UNIT	Friedrich	CP10C10	LFMK04484	R22	Class II	Medium	R290, R407C, or RS-44b	18.5 oz
ARMORY	1	103	AIR CONDITIONING UNIT	AIR CONDITIONING UNIT	Frigidaire	FRA106CV1	KK20646353	R410A	N/A	Medium	R290	15.17 oz
ARMORY	1	103	AIR CONDITIONING UNIT	AIR CONDITIONING UNIT	Frigidaire	FRA106CV1	KK20646355	R410A	N/A	Medium	R290	15.17 oz
ARMORY	1	107	DRINKING WATER FOUNTAIN	DRINKING WATER FOUNTAIN	Elkay	EWCA4_1F	050816866	R13	N/A	High	R23	4.25 oz
ARMORY	1	109	AIR CONDITIONING UNIT	AIR CONDITIONING UNIT	GE	AGN08FBG1	DZ 036259	R22	Class II	Medium	R290, R407C, or RS-44b	13.6 oz
ARMORY	1	112	AIR CONDITIONING UNIT	AIR CONDITIONING UNIT	Friedrich	N/A	N/A	N/A	N/A	N/A	N/A	N/A
ARMORY	1	111	AIR CONDITIONING UNIT	AIR CONDITIONING UNIT	LG	LW1210ER	005TAPE00440	R410A	N/A	Medium	R290	19.4 oz
ARMORY	1	115	AIR CONDITIONING UNIT	AIR CONDITIONING UNIT	Friedrich	CP10C10	unreadable	R22	Class II	Medium	R290, R407C, or RS-44b	10.1 oz
ARMORY	1	116	AIR CONDITIONING UNIT	AIR CONDITIONING UNIT	Sharp	AF-505M6B	7163752	R22	Class II	Medium	R290, R407C, or RS-44b	7.8 oz
ARMORY	2	246	REFRIGERATOR	REFRIGERATOR	Traulsen	G22010	T167728H11	R404A	N/A	High	R290	23 oz
ARMORY	2	246	COOLING COUNTER	COOLING COUNTER	Duke	325-25SS-N7 M	8111763	R134A	N/A	Medium	R290	9 oz
ARMORY	1	N/A	REFRIGERATOR	REFRIGERATOR	Victory	RAA-2D-S9	F0055742	R134A	N/A	Medium	R290	13 oz
ARMORY	1	N/A	AIR CONDITIONING UNIT	AIR CONDITIONING UNIT	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
ARMORY	2	200	DRINKING WATER FOUNTAIN	DRINKING WATER FOUNTAIN	Elkay	EWCA4_1F	050816868	R13	N/A	High	R290	4.25 oz
ARMORY	2	247	AIR CONDITIONING UNIT	AIR CONDITIONING UNIT	Frigidaire	N/A	N/A	N/A	N/A	N/A	N/A	N/A
ARMORY	2	248	AIR CONDITIONING UNIT	AIR CONDITIONING UNIT	Friedrich	SM18L30A-E	LCZ03328	R22	Class II	Medium	R290, R407C, or RS-44b	45 oz
ARMORY	2	248	ICE MACHINE	ICE MACHINE	Manitowoc	QY0214A	310153835	R404A	N/A	High	R290	13 oz
ARMORY	2	248	REFRIGERATOR	REFRIGERATOR	GE	SC4SSB	MN134996	R12	Class I	High	R290	2.5 oz
ARMORY	2	253	DRINKING WATER FOUNTAIN	DRINKING WATER FOUNTAIN	Elkay	EWCA4_1F	050816871	R13	N/A	High	R23	4.25 oz
ARMORY	2	254	AIR CONDITIONING UNIT	AIR CONDITIONING UNIT	Friedrich	SM20J30-A	LCFR06581	R22	Class II	Medium	R290, R407C, or RS-44b	48 oz
ARMORY	2	266	AIR CONDITIONING UNIT	AIR CONDITIONING UNIT	Climatrol	MST12F2JA	EY2980911337	R22	Class II	Medium	R290, R407C, or RS-44b	27 oz
CF	1	101	DRINKING WATER FOUNTAIN	DRINKING WATER FOUNTAIN	Elkay	EZFS8_1B	050317979	R13	N/A	High	R23	4.10 oz
CF	1	105	AIR CONDITIONING UNIT	AIR CONDITIONING UNIT	Sanyo	KS0971	73461	N/A	N/A	Medium	N/A	N/A

Summary of Totals	
Class 1'(s)	5
Class 2'(s)	7
GWP'(s)	21
Missing Code'(s)	3

GWP Level Index*	
High	Greater than 2500
Medium	150-2500
Low	Less than 150

*Values are from Linde Gas and IPCC 4th Assessment Report, 2007. Global Warming Potential (GWP) based 100 year.

GWP Level Totals**	
High	7
Medium	14
Low	0

**Totals do not reflect the refrigerant units missing codes.

Table WD3

Air Emission Source Survey

Ozone Depleting Chemicals Survey

Date: 7/11/2017
Surveyors: Abbie Zorn, Hannah Buckley, Hunter Davis
Facility Name: Westfield
Armorer: Frank Martinez

Location	Floor	Room	Emission Source Name	Equipment Type (See Blue Text on Questionnaire)	Make	Model	Serial Number	Refrigerant	Class	GWP Level	Replacement Options	Amount of Refrigerant (lbs/oz)
ARMORY	1	101	AIR CONDITIONING UNIT	AIR CONDITIONING UNIT	Ryan	AHE36C3XH21B	W1G4998769	N/A	N/A	N/A	N/A	N/A
ARMORY	OUTSIDE	OUTSIDE	AIR CONDITIONING UNIT	AIR CONDITIONING UNIT	N/A	YCJF36S41S1A	W1F4839381	R410A	N/A	Medium	R290	3lbs 10oz
ARMORY	1	Hall	DRINKING WATER FOUNTAIN	DRINKING WATER FOUNTAIN	Elkay	EZFS8_1A	41114082	R134A	N/A	Medium	R290	4.1oz
ARMORY	1	102	WINDOW UNIT	AIR CONDITIONING UNIT	Friedrich	SS11HSOA	89E808612	R22	Class II	Medium	R290, R407C, or RS-44b	20oz
ARMORY	1	102	WINDOW UNIT	AIR CONDITIONING UNIT	Sharp	AF-808M6	N/A	N/A	N/A	N/A	N/A	N/A
ARMORY	BASEMENT	B3	FREEZER UNIT	FREEZER UNIT	Frigidaire	FFC0723GB4	WB91943079	R134A	N/A	Medium	R290	5.1oz
ARMORY	1	103	REFRIGERATION UNIT	REFRIGERATION UNIT	Delfield	SRR1-SH	0410036101920-T	R404A	N/A	High	R290	16oz
ARMORY	1	103	REFRIGERATION UNIT	REFRIGERATION UNIT	Delfield	SRR1-SH	0410036101923-T	R404A	N/A	High	R290	16oz
ARMORY	1	103	REFRIGERATION UNIT	REFRIGERATION UNIT	Delfield	SRR1-SH	0410036101924-T	R404A	N/A	High	R290	16oz
ARMORY	1	103	ICE MACHINE	ICE MACHINE	Manitowoc	QY0214A	310157689	R404A	N/A	High	R290	13oz
ARMORY	1	104	REFRIGERATION UNIT	REFRIGERATION UNIT	Delfield	SRR1-SH	0410036101922-T	R404A	N/A	High	R290	16oz
ARMORY	1	104	REFRIGERATION UNIT	REFRIGERATION UNIT	Delfield	SRR1-SH	0410036101926-T	R404A	N/A	High	R290	16oz
ARMORY	1	104	REFRIGERATION UNIT	REFRIGERATION UNIT	Delfield	SRR1-SH	0410036101925-T	R404A	N/A	High	R290	16oz
ARMORY	1	124	WATER COOLER	WATER COOLER	Avanti	N/A	N/A	N/A	N/A	N/A	N/A	N/A
ARMORY	1	125	WINDOW UNIT	AIR CONDITIONING UNIT	Frigidaire	FRA106CV1	KK20646354	R410A	N/A	Medium	R290	15.17oz
ARMORY	1	125	WINDOW UNIT	AIR CONDITIONING UNIT	Kenmore	25370125001	JK02048042	R22	Class II	Medium	R290, R407C, or RS-44b	31.5oz
ARMORY	1	127	WINDOW UNIT	AIR CONDITIONING UNIT	Friedrich	SS09J10A-1	LKKR01042	R22	Class II	Medium	R290, R407C, or RS-44b	26oz
ARMORY	1	126	WINDOW UNIT	AIR CONDITIONING UNIT	Sanyo	K0911W	55513	N/A	N/A	N/A	N/A	N/A
ARMORY	1	128	WINDOW UNIT	AIR CONDITIONING UNIT	Friedrich	CP10G10B	N/A	R32	N/A	Medium	N/A	12.9oz
ARMORY	1	128	WINDOW UNIT	AIR CONDITIONING UNIT	Friedrich	CP10G10B	N/A	R32	N/A	Medium	N/A	12.9oz
ARMORY	1	128	WINDOW UNIT	AIR CONDITIONING UNIT	Friedrich	CP10G10B	N/A	R32	N/A	Medium	N/A	12.9oz
ARMORY	1	128	WINDOW UNIT	AIR CONDITIONING UNIT	Friedrich	CP06E10	N/A	R22	Class II	Medium	R290, R407C, or RS-44b	10.1oz
ARMORY	1	128	WINDOW UNIT	AIR CONDITIONING UNIT	Friedrich	CP06E10	N/A	R22	Class II	Medium	R290, R407C, or RS-44b	10.1oz
ARMORY	1	128	WINDOW UNIT	AIR CONDITIONING UNIT	Zenith	ZW6500R	712HAQV26428	R22	Class II	Medium	R290, R407C, or RS-44b	13.4oz
ARMORY	1	Hall	DRINKING WATER FOUNTAIN	DRINKING WATER FOUNTAIN	Halsey Taylor	WC8AFSQ_1G	110530385	R134A	N/A	Medium	R290	3.65oz
ARMORY	2	202	WINDOW UNIT	AIR CONDITIONING UNIT	Maytag	M3X05F2D	ES 285416 141X	R22	Class II	Medium	R290, R407C, or RS-44b	8.25oz
ARMORY	2	202	WINDOW UNIT	AIR CONDITIONING UNIT	GE	AGN05LBG1	ZV 354336	R22	Class II	Medium	R290, R407C, or RS-44b	11.1oz
ARMORY	2	208	WINDOW UNIT	AIR CONDITIONING UNIT	Maytag	M3X05F2D-A	ES 287671 141X	R22	Class II	Medium	R290, R407C, or RS-44b	8.25oz
ARMORY	2	209	WATER COOLER	WATER COOLER	Nestle	BB210EZ-ES14	LB15L00054	R134A	N/A	Medium	R290	1.2oz
ARMORY	2	Hall	DRINKING WATER FOUNTAIN	DRINKING WATER FOUNTAIN	Elkay	EMABF_1B	101223997	R134A	N/A	Medium	R290	3.65oz
ARMORY	2	208	WINDOW UNIT	AIR CONDITIONING UNIT	Maytag	M3X05F2D-A	ES 283126 141X	R22	Class II	Medium	R290, R407C, or RS-44b	8.25oz
ARMORY	2	212	WINDOW UNIT	AIR CONDITIONING UNIT	Maytag	M3X05F2D-A	ES 264398 141X	R22	Class II	Medium	R290, R407C, or RS-44b	8.25oz
ARMORY	2	212	WINDOW UNIT	AIR CONDITIONING UNIT	Friedrich	CP12G10B	N/A	R32	N/A	Medium	N/A	14.5ox
ARMORY	2	212	WINDOW UNIT	AIR CONDITIONING UNIT	Maytag	M3X05F2D-A	ES 284924 141X	R22	Class II	Medium	R290, R407C, or RS-44b	8.25oz
ARMORY	2	220	WINDOW UNIT	AIR CONDITIONING UNIT	Maytag	M3X05F2D-A	ES 285419 141X	R22	Class II	Medium	R290, R407C, or RS-44b	8.25oz
ARMORY	2	220	WINDOW UNIT	AIR CONDITIONING UNIT	Frigidaire	FAL135M1A1	JK30216668	R22	Class II	Medium	R290, R407C, or RS-44b	32.5oz
ARMORY	2	220	WINDOW UNIT	AIR CONDITIONING UNIT	Friedrich	SS09J10A-1	LKKR01023	R22	Class II	Medium	R290, R407C, or RS-44b	26oz
ARMORY	2	221	WINDOW UNIT	AIR CONDITIONING UNIT	Friedrich	XQ07J10-1	LAFR02334	R22	Class II	Medium	R290, R407C, or RS-44b	24oz
ARMORY	2	222	WINDOW UNIT	AIR CONDITIONING UNIT	Airtemp	B6X06F2A-D	CR 237005	N/A	N/A	N/A	N/A	N/A
ARMORY	3	300	WINDOW UNIT	AIR CONDITIONING UNIT	Airtemp	B6X06F2A-D	CR 23700 074Y	N/A	N/A	N/A	N/A	N/A
ARMORY	3	300	WINDOW UNIT	AIR CONDITIONING UNIT	GE	ASP08ABS1	GL5 01675	R22	Class II	Medium	R290, R407C, or RS-44b	16.68oz
ARMORY	ROOF	ROOF	AIR CONDITIONING UNIT	AIR CONDITIONING UNIT	N/A	ZJ090N15N2AAA5A	N1F4807545	R410A	N/A	Medium	R290	7lbs 12oz
FMS	1	101	WINDOW UNIT	AIR CONDITIONING UNIT	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
FMS	1	102	WINDOW UNIT	AIR CONDITIONING UNIT	Friedrich	N/A	N/A	N/A	N/A	N/A	N/A	N/A
FMS	1	108	REFRIGERATION UNIT	REFRIGERATION UNIT	Whirlpool	ET8WTKXKT0 5	ER3927348	R134A	N/A	Medium	R290	4oz
FMS	1	108	WINDOW UNIT	AIR CONDITIONING UNIT	Friedrich	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Summary of Totals	
Class 1'(s)	0
Class 2'(s)	20
GWP'(s)	37
Missing Code'(s)	6

GWP Level Index*	
High	Greater than 2500
Medium	150-2500
Low	Less than 150

*Values are from Linde Gas and IPCC 4th Assessment Report, 2007. Global Warming Potential (GWP) based 100 year.

GWP Level Totals**	
High	7
Medium	30
Low	0

**Totals do not reflect the refrigerant units missing codes.

Table WE3

Air Emission Source Survey

Ozone Depleting Chemicals Survey

Date: 7/11/2017
Surveyors: Abbie Zorn, Hannah Buckley, Hunter Davis
Facility Name: Woodbridge
Armorer: Frank Martinez

Location	Floor	Room	Emission Source Name	Equipment Type (See Blue Text on Questionnaire)	Make	Model	Serial Number	Refrigerant	Class	GWP Level	Replacement Options	Amount of Refrigerant (lbs/oz)
ARMORY	1	101	WINDOW UNIT	AIR CONDITIONING UNIT	Amana	AC08090A1D	9912702478	R22	Class II	Medium	R290, R407C, or RS-44b	19.6oz
ARMORY	1	102	WINDOW UNIT	AIR CONDITIONING UNIT	Amana	AC08090A1D	9912702653	R22	Class II	Medium	R290, R407C, or RS-44b	19.6oz
ARMORY	1	104	WINDOW UNIT	AIR CONDITIONING UNIT	Amana	AC08090A1D	9912702475	R22	Class II	Medium	R290, R407C, or RS-44b	19.6oz
ARMORY	1	106	WINDOW UNIT	AIR CONDITIONING UNIT	Amana	AC08090A1D	9912702479	R22	Class II	Medium	R290, R407C, or RS-44b	19.6oz
ARMORY	1	108	WINDOW UNIT	AIR CONDITIONING UNIT	Friedrich	XQ07J10-1	LAFR002302	R22	Class II	Medium	R290, R407C, or RS-44b	24oz
ARMORY	1	109	WINDOW UNIT	AIR CONDITIONING UNIT	Amana	AC08090A1D	9912702657	R22	Class II	Medium	R290, R407C, or RS-44b	19.6oz
ARMORY	1	114	WINDOW UNIT	AIR CONDITIONING UNIT	GE	AGN10ABG1	DZ 017582	R22	Class II	Medium	R290, R407C, or RS-44b	19oz
ARMORY	1	117	DRINKING WATER FOUNTAIN	DRINKING WATER FOUNTAIN	Elkay	FD700_10_1E	30424231	134A	N/A	Medium	R290	5.38oz
ARMORY	1	122	REFRIGERATION UNIT	REFRIGERATION UNIT	True'	T-49	1-3023853	134A	N/A	Medium	R290	17oz
ARMORY	1	121	FREEZER UNIT	FREEZER UNIT	True'	T-23F	1-3381570	R404A	N/A	High	R290	12oz
ARMORY	1	121	Refrigerator	REFRIGERATION UNIT	Traulsen	G22010	T76204A08	R404A	N/A	High	R290	23oz
ARMORY	1	121	WINDOW UNIT	AIR CONDITIONING UNIT	Amana	AC10190A1D	5715969	R22	Class II	Medium	R290, R407C, or RS-44b	18.4oz
ARMORY	1	133A	WINDOW UNIT	AIR CONDITIONING UNIT	Frigidaire	FFRE06L3Q1	KK34653078	R410A	N/A	Medium	R290	11.64oz
ARMORY	1	135	WINDOW UNIT	AIR CONDITIONING UNIT	Frigidaire	FFRE06L3Q1	KK41202596	R410A	N/A	Medium	R290	11.29oz
ARMORY	1	134A	WINDOW UNIT	AIR CONDITIONING UNIT	AeonAir	RPAC08EE	01150201001700047	R410A	N/A	Medium	R290	10.9oz
ARMORY	1	134B	WINDOW UNIT	AIR CONDITIONING UNIT	Frigidaire	FFRE06L3Q1	KK41627616	R410A	N/A	Medium	R290	11.64oz
ARMORY	OUTSIDE	OUTSIDE	AIR CONDITIONING UNIT	AIR CONDITIONING UNIT	Mitsubishi	MUY-GE09NA	3001575 T	R410A	N/A	Medium	R290	1lb 12oz

Summary of Totals	
Class 1'(s)	0
Class 2'(s)	8
GWP'(s)	17
Missing Code'(s)	0

GWP Level Index*	
High	Greater than 2500
Medium	150-2500
Low	Less than 150

*Values are from Linde Gas and IPCC 4th Assessment Report, 2007. Global Warming Potential (GWP) based 100 year.

GWP Level Totals**	
High	2
Medium	15
Low	0

**Totals do not reflect the refrigerant units missing codes.

Table WY3

Air Emission Source Survey

Ozone Depleting Chemicals Survey

Date: 6/27/2017
Surveyors: Devin Walker, Rosalie Hood, Jonathan McKinnon
Armory Name: Woodbury
Armorer: Sam Delpidio

Location	Floor	Room	Emission Source Name	Equipment Type (See Blue Text on Questionnaire)	Make	Model	Serial Number	Refrigerant	Class	GWP Level	Replacement Options	Amount of Refrigerant (lbs/oz)
ARMORY	1	109	REFRIGERATOR	REFRIGERATOR	Summit	FF-41R	0212000B5	R134A	N/A	Medium	R290	2.6oz
ARMORY	1	100H	WATER FOUNTAIN	WATER FOUNTAIN	Sunroc	NCWC-8	LL06786A	R12	Class I	High	R290	5oz
ARMORY	1	108	ICE MACHINE	ICE MACHINE	IceOMatic	IEU200HA2	J310-15397-Z	R404A	N/A	High	R290	13oz
ARMORY	1	108	REFRIGERATOR	REFRIGERATOR	TRUE	T-49	1-4723271	R134A	N/A	Medium	R290	12oz
ARMORY	1	108	REFRIGERATOR	REFRIGERATOR	Traulsen	G12011	T179909B12	R404A	N/A	High	R290	15oz
ARMORY	1	108	REFRIGERATOR	REFRIGERATOR	Traulsen	G20013	T179854B12	R134A	N/A	Medium	R290	16oz
ARMORY	1	108	COOLING COUNTER	COOLING COUNTER	Hobart	7310010075431	HQ-1	N/A	N/A	N/A	N/A	N/A
ARMORY	1	112	AIR CONDITION	AIR CONDITION	American Air Filter	DAAT21212	85-GT-7480	R22	Class II	Medium	R290, R407C, or RS-44b	32oz
ARMORY	1	staircase	AIR CONDITION	AIR CONDITION	American Air Filter	DAAT21212	85-GT-7480	R22	Class II	Medium	R290, R407C, or RS-44b	32oz
ARMORY	1	112	AIR CONDITION	AIR CONDITION	Comital National Inc.	CA450C124-D10AS	1203-0062	R407C	N/A	Medium	N/A	28oz
ARMORY	1	113	AIR CONDITION	AIR CONDITION	Comital National Inc.	CA450C124-D10AS	1203-0062	R407C	N/A	Medium	N/A	28oz
ARMORY	1	109	AIR CONDITION	AIR CONDITION	Sanyo	KMS1812	0002341	N/A	N/A	Medium	N/A	N/A
ARMORY	1	109	AIR CONDITION	AIR CONDITION	Sanyo	KMS1812	0002141	N/A	N/A	Medium	N/A	N/A
ARMORY	1	109	AIR CONDITION	AIR CONDITION	Sanyo	KMS0712	0036212	N/A	N/A	Medium	N/A	N/A
ARMORY	1	A-1B	AIR CONDITION	AIR CONDITION	Sanyo	KMS0712	0008641	N/A	N/A	Medium	N/A	N/A
ARMORY	1	A-1B	AIR CONDITION	AIR CONDITION	Sanyo	KMS0712	0009541	N/A	N/A	Medium	N/A	N/A
ARMORY	1	107	REFRIGERATOR	REFRIGERATOR	CRS	0-78-PS-6S	J8430749	R12	Class I	High	R290	22oz
ARMORY	1	114	AIR CONDITION	AIR CONDITION	Comital National inc.	CA450C124-D10AS	1203-0062	R407C	N/A	Medium	N/A	28oz
ARMORY	1	DRILL FLOOR	AIR CONDITION	AIR CONDITION	Trane	N/A	KB5F63902	R-0	N/A	N/A	N/A	N/A
ARMORY	1	114A	AIR CONDITION	AIR CONDITION	Comital National inc.	CA450C124-D10AS	1203-0062	R407C	N/A	Medium	N/A	28oz
ARMORY	1	ROOF	AIR CONDITION	AIR CONDITION	Trane	RAUCB756-B	C85A-05094	N/A	N/A	N/A	N/A	
ARMORY	GROUND FLOOR	HALL	WATER FOUNTAIN	WATER FOUNTAIN	Elkay	EWA4_1F	110113340	R134A	N/A	Medium	R290	4.25oz
ARMORY	GROUND FLOOR	B5	AIR CONDITION	AIR CONDITION	Trane	N/A	K85F63901	R22	Class II	Medium	R290, R407C, or RS-44b	N/A

Summary of Totals	
Class 1'(s)	2
Class 2'(s)	8
GWP'(s)	21
Missing Code'(s)	3

GWP Level Index*	
High	Greater than 2500
Medium	150-2500
Low	Less than 150

*Values retrieved from Linde Gas and IPCC 4th Assessment Report, 2007. Global Warming Potential (GWP) based 100 year.

GWP Level Totals**	
High	4
Medium	17
Low	0

**Totals do not reflect the refrigerant units missing codes.

Table WN3

Air Emission Source Survey

Ozone Depleting Chemicals Survey

Date: 6/21/2017
Surveyors: Devin Walker, Rosalie Hood, Jonathan McKinnon
Armory Name: Woodstown
Armorer: Todd Vecchione

Location	Floor	Room	Emission Source Name	Equipment Type (See Blue Text on Questionnaire)	Make	Model	Serial Number	Refrigerant	Class	GWP Level	Replacement Options	Amount of Refrigerant (lbs/oz)
ARMORY	1	101A	WATER FOUNTAIN	WATER FOUNTAIN	Elkay	EMABF8_1B	111219086	R134A	N/A	Medium	R290	3.65 oz
ARMORY	1	100	AIR CONDITION	AIR CONDITION	Comitale	CCCOC094-D10RS	1511-0071	R407C	N/A	Medium	N/A	28 oz
ARMORY	1	104	AIR CONDITION	AIR CONDITION	Comitale	CCCOC094-D10RS	N/A	R407C	N/A	Medium	N/A	28 oz
ARMORY	1	103	AIR CONDITION	AIR CONDITION	Comitale	CCCOC09D1223CZ	C101571334	R407C	N/A	Medium	N/A	28 oz
ARMORY	1	101	AIR CONDITION	AIR CONDITION	Comitale	CCCOC094-D10RS	1203-0061	R407C	N/A	Medium	N/A	28 oz
ARMORY	1	109	AIR CONDITION unit2	AIR CONDITION	Sanyo	KMS0712	N/A	R22	Class II	Medium	R290, R407C, or RS-44b	1.83 lbs
ARMORY	1	109	AIR CONDITION unit3	AIR CONDITION	Sanyo	KMS0713	N/A	R22	Class II	Medium	R290, R407C, or RS-44b	1.83 lbs
ARMORY	1	109	AIR CONDITION unit1	AIR CONDITION	Sanyo	KMS1812	N/A	R22	Class II	Medium	R290, R407C, or RS-44b	4.14 lbs
ARMORY	1	109	AIR CONDITION unit1	AIR CONDITION	Sanyo	CM3212	2441	R22	Class II	Medium	R290, R407C, or RS-44b	4.14 lbs
ARMORY	1	106	AIR CONDITION	AIR CONDITION	Sanyo	CL0951	62334	R22/R438A	Class II	Medium	R290, R407C, or RS-44b	1.28 lbs
ARMORY	1	110	AIR CONDITION	AIR CONDITION	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
ARMORY	1	113	REFRIGERATOR	REFRIGERATOR	Continental	2R	14466961	R134A	N/A	Medium	R290	11.5 oz
ARMORY	1	114	AIR CONDITION	AIR CONDITION	Comitale	SC009D1223CZ	C101471334	R407C	N/A	Medium	N/A	28 oz
ARMORY	1	115	AIR CONDITION	AIR CONDITION	Comitale	SC009D1223CZ	C101171334	R407C	N/A	Medium	N/A	28 oz
ARMORY	1	115	AIR CONDITION	AIR CONDITION	Comitale	SC009D1223CZ	C101071334	R407C	N/A	Medium	N/A	28 oz
ARMORY	1	115	AIR CONDITION	AIR CONDITION	Comitale	SC009D1223CZ	C1011671334	R407C	N/A	Medium	N/A	28 oz
ARMORY	1	115	AIR CONDITION	AIR CONDITION	Comitale	SC009D1223CZ	C101771334	R407C	N/A	Medium	N/A	28 oz

Summary of Totals	
Class 1'(s)	0
Class 2'(s)	5
GWP'(s)	16
Missing Code'(s)	2

GWP Level Index*	
High	Greater than 2500
Medium	150-2500
Low	Less than 150

*Values are from Linde Gas and IPCC 4th Assessment Report, 2007. Global Warming Potential (GWP) based 100 year.

GWP Level Totals**	
High	0
Medium	16
Low	0

**Totals do not reflect the refrigerant units missing codes.

Table 4

Boiler / Heater / Burner Data

Table AY4

Air Emission Source Survey

Boiler/Heater/Burner

Date: **5/22/2017**
Surveyors: **Devin Walker, Rosalie Hood, Jonathan McKinnon**
Armory Name: **Atlantic City**
Armorer: **Jake Falana**

			Boiler/Heater											Burner							
Location	**Emission Source Name**	**Type (Boiler, Water Heater, Forced Air Furnace)**	**Make**	**Model**	**Serial Number**	**Fuel Type (Oil/Gas)**	**Oil Max (gph)**	**Gas Max (btu/hr or cfm)**	**Gas Min (btu/hr or cfm)**	**Boiler Design Capacity Heat Input Capacity Max Oil (btu/hr)**	**Boiler Design Capacity Heat Input Capacity Max Gas (btu/hr)**	**If no Serial Number, Number of Sections**	**Has stand alone burner? (Y/N)**	**Make**	**Model**	**Serial Number**	**Burner Heat Input Capacity Max Oil (btu/hr)**	**Burner Heat Input Capacity Max Gas (btu/hr)**	**Oil Max (gph)**	**Gas Max (btu/hr or cfm)**	**Gas Min (btu/hr or cfm)**
Armory	Boiler 1	Boiler	H.B. SMITH	450L MILLS	N/A	GAS	32.85	4928000	N/A	4599000	4928000	20	Y	PREFERRED	BE40-3A4	27631	5600000	N/A	40 GPH	N/A	N/A
Armory	Hot Water Heater	Hot Water Heater	Bradford White Corporation	EF100T199E3N2	JC16409457	NATURAL GAS	N/A	199999	N/A	N/A	199999	N/A	N	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
FMS	Forced Air Furnace	Furnace	ADAMS	ASO350	9903-0103	GAS	N/A	350000	N/A	N/A	350000	N/A	N	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Table BT4

Air Emission Source Survey

Boiler/ Heater/Burner

Date: **July 11, 2017**
Surveyors: **Rosalie Hood, and Jon Mckinnon**
Facility Name: **Bordentown**
Armorer: **Sam DelPidio**

			Boiler/Heater												Burner													
Location	**Emission Source Name**	**Type (Boiler, Water Heater, Forced Air Furnace)**	**Make**	**Model**	**Serial Number**	**Fuel Type (Oil/Gas)**	**Oil Max (gph)**	**Oil Min (gph)**	**Gas Max (btu/hr or cfm)**	**Gas Min (btu/hr or cfm)**	**Boiler Design Capacity Heat Input Capacity Max Oil (btu/hr)**	**Boiler Design Capacity Heat Input Capacity Max Gas (btu/hr)**	**If no Serial Number, Number of Sections**	**Has stand alone burner? (Y/N)**	**Make**	**Model**	**Serial Number**	**Burner Heat Input Capacity Max Oil (btu/hr)**	**Burner Heat Input Capacity Max Gas (btu/hr)**	**Oil Max (gph)**	**Oil Min (gph)**	**Gas Max (btu/hr or cfm)**	**Gas Min (btu/hr or cfm)**	**Installation Date**	**Oil Min (gph)**	**Gas Max (btu/hr or cfm)**	**Gas Min (btu/hr or cfm)**
ARMORY	BOILER	BOILER	Fulton Pulse Combustion	PHW-1000	111870	NATURAL GAS			1000000			1000000		N														
ARMORY	HOT WATER HEATER	HOT WATER HEATER	AO Smith	BT 80 300	1101M000276	NATURAL GAS			75100			75100		N														
OMS	BOILER	BOILER	Aerco Modulex Ext Unical	MLX EXT 321	14H00175 /2014	NATURAL GAS			321000			321000		N														

Table BN4

Air Emission Source Survey

Boiler/Heater/Burner

Date: **6/21/2017**
Surveyors: **Devin Walker, Rosalie Hood, Jonathan McKinnon**
Facility Name: **Bridgeton**
Armorer: **Phil Fiore**

			Boiler/Heater										Burner					
Location	**Emission Source Name**	**Type (Boiler, Water Heater, Forced Air Furnace)**	**Make**	**Model**	**Serial Number**	**Fuel Type (Oil/Gas)**	**Gas Max (btu/hr or cfm)**	**Gas Min (btu/hr or cfm)**	**Boiler Design Capacity Heat Input Capacity Max Oil (btu/hr)**	**Boiler Design Capacity Heat Input Capacity Max Gas (btu/hr)**	**If no Serial Number, Number of Sections**	**Has stand alone burner? (Y/N)**	**Make**	**Model**	**Serial Number**	**Burner Heat Input Capacity Max Oil (btu/hr)**	**Burner Heat Input Capacity Max Gas (btu/hr)**	**Installation Date**
FMS	FORCED AIR	FORCED AIR	Bryant	395CAV036070AGJA	3600A71246	PROPANE	66000	53000				N						NATURAL GAS TO PROPANE KGANP2001ALL
FMS	HEATER	HEATER	Modine	PV 145AE0130	30011055000-9147	NATURAL GAS	145000			145000		N						maybe replaced by griffen
FMS	HEATER	HEATER	Modine	PV 145AE0130	30011055000-1027	NATURAL GAS	145000			145000		N						maybe replaced by griffen
FMS	HEATER	HEATER	Modine	PV 145AE0130		NATURAL GAS	145000			145000		N						maybe replaced by griffen

Table CY4

Air Emission Source Survey

Boiler/Heater/Burner

Date: **6/22/2017**
Surveyors: **Devin Walker, Rosalie Hood, Jonathan McKinnon**
Facility Name: **Cape May**
Armorer: **Steve Allay**

			Boiler/Heater										Burner									
Location	**Emission Source Name**	**Type (Boiler, Water Heater, Forced Air Furnace)**	**Make**	**Model**	**Serial Number**	**Fuel Type (Oil/Gas)**	**Gas Max (btu/hr or cfm)**	**Gas Min (btu/hr or cfm)**	**Boiler Design Capacity Heat Input Capacity Max Oil (btu/hr)**	**Boiler Design Capacity Heat Input Capacity Max Gas (btu/hr)**	**If no Serial Number, Number of Sections**	**Has stand alone burner? (Y/N)**	**Make**	**Model**	**Serial Number**	**Burner Heat Input Capacity Max Oil (btu/hr)**	**Burner Heat Input Capacity Max Gas (btu/hr)**	**Oil Max (gph)**	**Oil Min (gph)**	**Gas Max (btu/hr or cfm)**	**Gas Min (btu/hr or cfm)**	**Installation Date**
MSVB	HOT WATER HEATER	HOT WATER HEATER	A.O. Smith	BTH 150 100	1215M000514	NATURAL GAS	150000	N/A	N/A	150000	N/A	N	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
ARMORY	BOILER	BOILER	H.B. Smith Co	Mills Water Tube Boiler series 34	3394-1-H	N/A	N/A	N/A	N/A	N/A	10	Y	Power Flame	CR2-GO-15	121352275	1834000	1834000	13.1	5.5	1834000	750000	N/A
ARMORY	BOILER	BOILER	H.B. Smith Co	Mills Water Tube Boiler series 34	3394-2-H	N/A	N/A	N/A	N/A	N/A	10	Y	Power Flame	CR2-GO-15	121352274	1834000	1834000	13.1	5.5	1834000	750000	N/A
FMS	FORCED AIR FURNACE	FORCED AIR FURNACE	DORNBACK	S0 350	1303-0045	OIL	350000	N/A	N/A	350000	N/A	N	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	AS556384
FMS	FORCED AIR FURNACE	FORCED AIR FURNACE	DORNBACK	SO 230-5	0101-0007	OIL	230000	N/A	N/A	230000	N/A	N	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
DRIVE THROUGH BAY*	IR HEATER	IR HEATER	Space-Ray	N/A	N/A	NATURAL GAS	200000	130000	N/A	200000	N/A	N	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
DRIVE THROUGH BAY*	IR HEATER	IR HEATER	Space-Ray	N/A	N/A	NATURAL GAS	200000	130000	N/A	200000	N/A	N	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

*Builders plate too high to read. We are assuming that this heater is the same size (btu's) as the heaters in Lville and Vineland DTMB's based on the following: Space-Ray two stage heater. It is part of the LTU Series. There are 19 LTU models. 4 of them have a minimum mounting height of 18', so that narrows it down to these 4 (either the 180K, 200K, 225K or 250K). Since the one in Lville and Vineland is a 200K, my guess is that the one in Cape May is also 200K.

Table CL4

Air Emission Source Survey

Boiler/Heater/Burner

Date: 6/29/2017
Surveyors: alie Hood, Jonathan McKinnon
Facility Name: Cherry Hill
Armorer: Ed Torres

			Boiler/Heater												Burner								
Location	Emission Source Name	Type (Boiler, Water Heater, Forced Air Furnace)	Make	Model	Serial Number	Fuel Type (Oil/Gas)	Oil Max (gph)	Oil Min (gph)	Gas Max (btu/hr or cfm)	Gas Min (btu/hr or cfm)	Boiler Design Capacity Heat Input Capacity Max Oil (btu/hr)	Boiler Design Capacity Heat Input Capacity Max Gas (btu/hr)	If no Serial Number, Number of Sections	Has stand alone burner? (Y/N)	Make	Model	Serial Number	Burner Heat Input Capacity Max Gas (btu/hr)	Oil Max (gph)	Oil Min (gph)	Gas Max (btu/hr or cfm)	Gas Min (btu/hr or cfm)	Installation Date
ARMORY	BOILER	BOILER	Superior Boiler Works	SVFT-70-S15-WB-G	18411	NATURAL GAS			2929 MBTU/hr	1200 MBTU/hr		2929000					NO ACCESS		N/A	N/A	N/A	N/A	N/A
ARMORY	BOILER	BOILER	Superior Boiler Works	SVFT-70-S15-WB-G	18420	NATURAL GAS			2929 MBTU/hr	1200 MBTU/hr		2929000					NO ACCESS		N/A	N/A	N/A	N/A	N/A
MVSB	BOILER	BOILER	Weil McLain	678 Boiler	1	OIL					559,000			Y	Beckett								

Table DR4

Air Emission Source Survey

Boiler/Heater/Burner

Date: **6/22/2017**

Surveyors: **Bill McBride, Hannah Buckley, Hunter Davis**

Armory Name: **Dover**

Armorer: **Charles Rissmiller**

			Boiler/Heater										Burner											
Location	**Emission Source Name**	**Type (Boiler, Water Heater, Forced Air Furnace)**	**USEPA Standard Classification Code**	**Make**	**Model**	**Serial Number**	**Fuel Type (Oil/Gas)**	**Gas Max (btu/hr or cfm)**	**Gas Min (btu/hr or cfm)**	**Boiler Design Capacity Heat Input Capacity Max Oil (btu/hr)**	**Boiler Design Capacity Heat Input Capacity Max Gas (btu/hr)**	**If no Serial Number, Number of Sections**	**Has stand alone burner? (Y/N)**	**Make**	**Model**	**Serial Number**	**Burner Heat Input Capacity Max Oil (btu/hr)**	**Burner Heat Input Capacity Max Gas (btu/hr)**	**Oil Max (gph)**	**Oil Min (gph)**	**Gas Max (btu/hr or cfm)**	**Gas Min (btu/hr or cfm)**	**Installation Date**	**Notes**
ARMORY	BOILER 1	BOILER	10300501	H.B.Smith	340-1	NJ000045168-H	NATURAL GAS	N/A	N/A			N/A	Y	Cyclonetic	JB1C-03-EPD170-M.10-MP-UL/FM/IRI	U78810B-2-11-05	1339800	134,200	9.57	6	134,200	84,000	N/A	Burner no. AR-696306
ARMORY	BOILER 2	BOILER	10300501	H.B.Smith	340-1	NJ000045169-H	NATURAL GAS	N/A	N/A			N/A	Y	Cyclonetic	JB1C-03-EPD170-M.10-MP-UL/FM/IRI	U78810B-1-11-05	1339800	134,200	9.57	6	134,200	84,000	N/A	Burner no. AR-696305
FMS	FORCED AIR FURNACE	FORCED AIR FURNACE	10500205	Adams Manufacturing	ACOV 230	AS556448	OIL	230000	N/A		230000	N/A	Y	Beckett	7505	130924-01063			N/A	N/A	N/A	N/A	N/A	
FMS	FORCED AIR FURNACE	FORCED AIR FURNACE	10500205	Adams Manufacturing	SO 230	AS556631	OIL	230000	N/A		230000	N/A	Y	Beckett	7505	N/A			N/A	N/A	N/A	N/A	N/A	
FMS	FORCED AIR FURNACE	FORCED AIR FURNACE	10500205	Adams Manufacturing	SO 230	AS556626	OIL	230000	N/A		230000	N/A	Y	Beckett	7505	N/A			N/A	N/A	N/A	N/A	N/A	

Table FL4

Air Emission Source Survey

Boiler/Heater/Burner

Date: 6/29/2017
Surveyors: Anjelica McMahon, Hannah Buckley, Hunter Davis
Facility Name: Flemington
Armorer: Brett Davala

			Boiler/Heater												Burner									
Location	Emission Source Name	Type (Boiler, Water Heater, Forced Air Furnace)	Make	Model	Serial Number	Fuel Type (Oil/ Gas)	Oil Max (gph)	Oil Min (gph)	Gas Max (btu/hr or cfm)	Gas Min (btu/hr or cfm)	Boiler Design Capacity Heat Input Capacity Max Oil (btu/hr)	Boiler Design Capacity Heat Input Capacity Max Gas (btu/hr)	If no Serial Number, Number of Sections	Has stand alone burner? (Y/N)	Make	Model	Serial Number	Burner Heat Input Capacity Max Oil (btu/hr)	Burner Heat Input Capacity Max Gas (btu/hr)	Oil Max (gph)	Oil Min (gph)	Gas Max (btu/hr or cfm)	Gas Min (btu/hr or cfm)	Installation Date
ARMORY	BOILER 1	BOILER	H.B.Smith	340-1	3397-H	OIL	Unknown	Unknown	Unknown	Unknown			12	Y	Preferred	BHE 25 3M4	30033	3500000		25	Unknown	Unknown	Unknown	Unknown
ARMORY	HOT WATER HEATER	HOT WATER HEATER	AO Smith	C0F 385 940	1113M000828	OIL	2.75	Unknown	385000	Unknown	385000	385000	Unknown	Y	Beckett	SD55PVDRZ-2582	111025-10032			Unknown	Unknown	Unknown	Unknown	Unknown
MVSB	FORCED AIR FURNACE	FORCED AIR FURNACE	American Furnace	12-0C-2	E48	OIL	1.35	Unknown	151000	Unknown	189000	151000	Unknown	Y	American Furnsce Co.	F-135B AF	IG-1982	189000		1.35	Unknown	Unknown	Unknown	Unknown

Table FX4

Air Emission Source Survey

Boiler/Heater/Burner

Date: **7/24/2017**
Surveyors: **Jon, Rose, Devin**
Facility Name: **Fort Dix**
Armorer: **Scott Reddler**

			Boiler/Heater												Burner								
Location	**Emission Source Name**	**Type (Boiler, Water Heater, Forced Air Furnace)**	**Make**	**Model**	**Serial Number**	**Fuel Type (Oil/Gas)**	**Oil Max (gph)**	**Oil Min (gph)**	**Gas Max (btu/hr or cfm)**	**Gas Min (btu/hr or cfm)**	**Boiler Design Capacity Heat Input Capacity Max Oil (btu/hr)**	**Boiler Design Capacity Heat Input Capacity Max Gas (btu/hr)**	**If no Serial Number, Number of Sections**	**Has stand alone burner? (Y/N)**	**Make**	**Model**	**Serial Number**	**Burner Heat Input Capacity Max Oil (btu/hr)**	**Burner Heat Input Capacity Max Gas (btu/hr)**	**Oil Max (gph)**	**Oil Min (gph)**	**Gas Max (btu/hr or cfm)**	**Gas Min (btu/hr or cfm)**
Building 3601	FORCED AIR HEATER		N/A	N/A	N/A	Propane									N/A	N/A	N/A						
Building 3601	BOILER	BOILER	Byran Boilers	F850-W-GI	82797	GAS			850 CFH (850000 btu/hr)	425 CFH		850000			N/A	N/A	N/A						
Building 3601	BOILER	BOILER	Well McLain		CP1324479	NATURAL GAS								Y	Power Flame Burner	CR3-G-20	61557532		3753000			3753 mbh	900 mbh
Building 3601	BOILER 2	BOILER	Bryan	CL270-W-GI	87939	NATURAL GAS			2634 cfh (2634000 btu/hr)	1317 cfh		2634000		N	N/A	N/A	N/A						
Building 3661	SPACE HEATER	Space Heater	GORDONRay BH	N/A	N/A	N/A			200000	130000		200000			N/A	N/A	N/A						
Building 3661	SPACE HEATER	Space Heater	GORDONRay BH	N/A	N/A	N/A			200000	130000		200000			N/A	N/A	N/A						
Building 3661	SPACE HEATER	Space Heater	GORDONRay BH	N/A	N/A	N/A			200000	130000		200000			N/A	N/A	N/A						
Building 3661	SPACE HEATER	Space Heater	GORDONRay BH	N/A	N/A	N/A			200000	130000		200000			N/A	N/A	N/A						
Building 3661	HOT WATER HEATER	HOT WATER HEATER	AO SMITH	GCV 40 200		GAS			40000			40000			N/A	N/A	N/A						
Building 3650 B122	BOILER	BOILER	Aerco	BMK 1500	G-15-2633	NATURAL GAS			1500000	75000		1500000		N	N/A	N/A	N/A						
Building 3650 B122	BOILER	BOILER	Aerco	BMK 1500	G-15-2632	NATURAL GAS			1500000	75000		1500000		N	N/A	N/A	N/A						
Building 3650 B122	HOT WATER HEATER	HOT WATER HEATER	Lochinvar	CFN0991PM	HEKP001831	NATURAL GAS			990000	360000		990000		N	N/A	N/A	N/A						
Building 3650	BOILER 2	BOILER	Aerco	BMK 2000	G-16-0422	NATURAL GAS			2000000	100000		2000000		N	N/A	N/A	N/A						
Building 3650	BOILER 1	BOILER	Aerco	BMK 2000	G-16-0421	NATURAL GAS			2000000	100000		2000000		N	N/A	N/A	N/A						
3651	BOILER	BOILER	weil-mclain			GAS			1650000			1650000		Y	CYCLONETIC	JB1C-03-RM7895C-LL. 15-UL	U64338A-1-11-01	1652000	1703000	11.8 GPH	7 GPH	1703 MBTU/HR	851 MBTU/HR
3651	HOT WATER HEATER	HOT WATER HEATER	A.O. SMITH	BTP 199A 964	LE01-1030155-R60	GAS			199000			199000		Y	WAYNE COMBUSTION SYSTEMS BLUE ANGLE PLUS	HSG 200	62624-003		200000			200 MBH	50 MBH
3651	HOT WATER HEATER	HOT WATER HEATER	TURBO POWER 99	742 N 600A-TP	202106333	NAT GAS			500000			500000		Y	FIREPOWER BURNER	BG400	295652						500000 BTU/HR

Table FRN4

Air Emission Source Survey

Boiler/Heater/Burner

Date: 6/28/2017
Surveyors: Sarah Helble, Hannah Buckley, Hunter Davis
Facility Name: Franklin
Armorer: Charles Rissmiller

			Boiler/Heater												Burner										
Location	Emission Source Name	Type (Boiler, Water Heater, Forced Air Furnace)	Make	Model	Serial Number	Fuel Type (Oil/ Gas)	Oil Max (gph)	Oil Min (gph)	Oil Min (btu)	Gas Max (btu/hr or cfm)	Gas Min (btu/hr or cfm)	Boiler Design Capacity Heat Input Capacity Max Oil (btu/hr)	Boiler Design Capacity Heat Input Capacity Max Gas (btu/hr)	If no Serial Number, Number of Sections	Has stand alone burner? (Y/N)	Make	Model	Serial Number	Burner Heat Input Capacity Max Oil (btu/hr)	Burner Heat Input Capacity Max Gas (btu/hr)	Oil Max (gph)	Oil Min (gph)	Gas Max (btu/hr or cfm)	Gas Min (btu/hr or cfm)	Installation Date
ARMORY 108	BOILER	BOILER	Well McLain	1094	CP3582997	OIL	22.5	Unknown	Unknown	324700	Unknown	3150000	324700	Unknown	Y	Preferred	M3150T	F500			Unknown	Unknown	Unknown	Unknown	Unknown

Table FD4

Air Emission Source Survey

Boiler/Heater/Burner

Date: **7/11/201**

Surveyors: **Devin Walker, Rosalie Hood, Jonathan McKinnon**

Facility Name: **Freehold**

Armorer: William Homeyer

			Boiler/Heater												Burner									
Location	**Emission Source Name**	**Type (Boiler, Water Heater, Forced Air Furnace)**	**Make**	**Model**	**Serial Number**	**Fuel Type (Oil/Gas)**	**Oil Max (gph)**	**Oil Min (gph)**	**Gas Max (btu/hr or cfm)**	**Gas Min (btu/hr or cfm)**	**Boiler Design Capacity Heat Input Capacity Max Oil (btu/hr)**	**Boiler Design Capacity Heat Input Capacity Max Gas (btu/hr)**	**If no Serial Number, Number of Sections**	**Has stand alone burner? (Y/N)**	**Make**	**Model**	**Serial Number**	**Burner Heat Input Capacity Max Oil (btu/hr)**	**Burner Heat Input Capacity Max Gas (btu/hr)**	**Oil Max (gph)**	**Oil Min (gph)**	**Gas Max (btu/hr or cfm)**	**Gas Min (btu/hr or cfm)**	**Installation Date**
ARMORY	WATER HEATER	WATER HEATER	N/A	GE515/11	05086708-00-4327-0055		13 GPH		1881 BTUHR		1820000	1881		Y	PowerFlame	C2-GO-20B	110519402	1820000	1825000	13GPH	5.5GPH	1825MBH	750MBH	
ARMORY	BOILER	BOILER	HB SMITH CO	MILLS WATER TUBE BOILER	SERIES 34								12	Y	Cyclonetic	LB1C-05-EP170-M.12-UL/IRI	U79140A-1-11-05	1960000	1980000	14 gph	8gph	1980Mbtu	1164 mbtu	

			Boiler/Heater												Burner											
Location	Emission Source Name	Type (Boiler, Water Heater, Forced Air Furnace)	Make	Model	Serial Number	Fuel Type (Oil/Gas)	Oil Max (gph)	Oil Min (gph)	Gas Max (btu/hr or cfm)	Gas Min (btu/hr or cfm)	Boiler Design Capacity Heat Input Capacity Max Oil (btu/hr)	Boiler Design Capacity Heat Input Capacity Max Gas (btu/hr)	If no Serial Number, Number of Sections	Has stand alone burner? (Y/N)	Make	Model	Serial Number	Burner Heat Input Capacity Max Oil (btu/hr)	Burner Heat Input Capacity Max Gas (btu/hr)	Oil Max (gph)	Oil Min (gph)	Gas Max (btu/hr or cfm)	Gas Min (btu/hr or cfm)	Installation Date	Notes
ARMORY	BOILER	BOILER	H.B.Smith	340-1	78-1538-H	OIL	Unknown	Unknown	Unknown	Unknown			13	Y	PowerFlame	CR2-GO-15	121352273	1960000	196700	14	5.5	196700	75000	Unknown	
ARMORY	HOT WATER HEATER	HOT WATER HEATER	A.O.Smith	C0F 455 940	1222M00053	OIL	3.25	Unknown	455000	Unknown	455000	455000	Unknown	Y	Beckett	7505	120307-10016			Unknown	Unknown	Unknown	Unknown	Unknown	
ARMORY	FURNACE	FURNACE	Big Quaker Corp.	NHI0CI00AJ01	867 741980	OIL	Unknown	Unknown	Unknown	Unknown			Unknown	N	NA	NA	NA	189000		1.35	NA	NA	NA	NA	

Table HA4

Air Emission Source Survey

Boiler/Heater/Burner

Date: **6/26/2017**
Surveyors: **Chuck Appleby, Rosalie Hood, Jonathan McKinnon**
Facility Name: **Hammonton**
Armorer: **Phillip Fiore**

			Boiler/Heater												Burner										
Location	**Emission Source Name**	**Type (Boiler, Water Heater, Forced Air Furnace)**	**Make**	**Model**	**Serial Number**	**Fuel Type (Oil/Gas)**	**Oil Max (gph)**	**Oil Min (gph)**	**Gas Max (btu/hr or cfm)**	**Gas Min (btu/hr or cfm)**	**Boiler Design Capacity Heat Input Capacity Max Oil (btu/hr)**	**Boiler Design Capacity Heat Input Capacity Max Gas (btu/hr)**	**If no Serial Number, Number of Sections**	**Has stand alone burner? (Y/N)**	**Make**	**Model**	**Serial Number**	**Burner Heat Input Capacity Max Oil (btu/hr)**	**Burner Heat Input Capacity Max Gas (btu/hr)**	**Oil Max (gph)**	**Oil Min (gph)**	**Gas Max (btu/hr or cfm)**	**Gas Min (btu/hr or cfm)**	**Installation Date**
STORAGE GARAGE	HEATER	HEATER	Armstrong Air Condition Co.	LGH14-225/275B30-1B	8405K21640	NATURAL GAS			350000	280000		350000													
STORAGE GARAGE	HEATER	HEATER	Armstrong Air Condition Co.	LGH14-350/450B50-1B	8406A06858	NATURAL GAS			500000	420000		500000													
STORAGE GARAGE	HEATER	HEATER	Armstrong Air Condition Co.	LGH14-350/450B50-1B		NATURAL GAS			500000	420000		500000													Built 1967 or 1973
Armory - Boiler Room	Boiler 1	Boiler	Weil-Mclain	HR40-10	45015	NATURAL GAS			2105000			2105000			Preferred Utilities	BE203 A4	30532-9499								

Table JC4

Air Emission Source Survey

Boilers/Heaters

Date: 5/21/2017
Surveyors: Chuck Appleby, Rosalie Hood, Jon Mikinnon, Hannah Buckley, and Hunter Davis
Armory Name: Jersey City
Armorer: Charles Parsons

			Boiler/Heater										Burner						
Location	Emission Source Name	Type (boiler, Water Heater, Forced Air Furnace)	Make	Model	Serial Number	Fuel Type (oil/Gas)	Oil Max (gph)	Oil Min	Gas Max (btu/hr) (CFM)	Gas Min	If no Serial Number, Number of Sections	Has stand alone burner? (Y/N)	Make	Model	Serial Number	Oil Max	Oil Min	Gas Max	Gas Min
JERSEY CITY ARMORY	BOILER 1 MASTER	BOILER	MACH	C-4000	K213-14-10455	NAT GAS			4000000			N							
JERSEY CITY ARMORY	Boiler 2	BOILER	MACH	C-4000	K213-14-10453	NAT GAS			4000000			N							
JERSEY CITY ARMORY	Boiler 3	BOILER	MACH	C-4000	K213-14-10454	NAT GAS			4000000			N							
JERSEY CITY ARMORY	WATER HEATER 1	HOT WATER HEATER	RHEEM	GHE100-250A	RRGUA501304003	NAT GAS			250000			N							
JERSEY CITY ARMORY	WATER HEATER 2	HOT WATER HEATER	RHEEM	GHE100-250A	A191512884	NAT GAS			250000			N							

Table LH4

Air Emission Source Survey

Boilers / Heaters

Date: June 13, 2017
Surveyors: Bill, Anj,Devin, Rose, Jin, Hannah, Hunter
Armory Name: Lakehurst
Armorer: David Lohman

			Boiler/Heater												Burner									
Location	Emission Source Name	Type (boiler, Water Heater, Forced Air Furnace)	Make	Model	Serial Number	Fuel Type (oil/Gas)	Oil Max (gph)	Oil Min	Gas Max	Gas Min	Heat Input Capacity Max Oil (btu/hr)	Heat Input Capacity Max Gas (btu/hr)	If no Serial Number, Number of Sections	Has stand alone burner? (Y/N)	Make	Model	Serial Number	Burner Heat Input Capacity Max Oil (btu/hr)	Burner Heat Input Capacity Max Gas (btu/hr)	Oil Max	Oil Min	Gas Max	Gas Min	Installation Date
CLTF CSMS	WATER HEATER	WATER HEATER	A.O. Smith	BTH 120 100	0818M000703	NATURAL GAS			120000 btu/hr	120000 btu/hr		120,000.00		N	N/A	N/A	N/A			N/A	N/A	N/A	N/A	
CLTF CSMS	AIR DEHYDRATION UNIT	AIR DEHYDRATION UNIT	Stulz	AUD-1150-55-G	10023819	NATURAL GAS			N/A	100000 btu/hr		100,000.00		N	N/A	N/A	N/A			N/A	N/A	N/A	N/A	
CLTF CSMS	WATER HEATER	WATER HEATER	A.O. Smith	BTH 250 100	0833M000519	NATURAL GAS			N/A	250000 btu/hr		250,000.00		N	N/A	N/A	N/A			N/A	N/A	N/A	N/A	
CLTF CSMS	WATER HEATER	WATER HEATER	A.O. Smith	BTH 250 100	0826M000182	NATURAL GAS			N/A	250000 btu/hr		250,000.00		N	N/A	N/A	N/A			N/A	N/A	N/A	N/A	
CLTF CSMS	FORCED AIR	FORCED AIR	Sterling	E1N-PV20A2LD1K61E2AB3E3L2		NATURAL GAS			80000	200000 btu/hr		200,000.00		N	N/A	N/A	N/A			N/A	N/A	N/A	N/A	
CLTF CSMS	FORCED AIR	FORCED AIR	Applied Air	GMIFR-25-HRB	2010-0012046004	NATURAL GAS			(8 ln WC)	(14 ln WC)				N	N/A	N/A	N/A			N/A	N/A	N/A	N/A	
CLTF CSMS	FORCED AIR	FORCED AIR		D2NP060N11046A	N0A8541098	NATURAL GAS			135000 btu/hr	N/A		135,000.00		N	N/A	N/A	N/A			N/A	N/A	N/A	N/A	
CLTF CSMS	BOILER	BOILER	Well-Mclain	88 SERIES 2 (MODEL NUMBER 1788)	CP5451303	NATURAL GAS	38 gph		5494000 btu/hr	N/A	5320000	5,494,000.00	17	Y	PowerFlame	WCR4-G-25	100831583		1,300,000.00	N/A	N/A	1300 mbh	N/A	
CLTF UTES	HOT WATER HEATER	HOT WATER HEATER	Ao Smith	BTP200-300000	1012R000024	NATURAL GAS			N/A	300,000 btu/hr		300,000.00		Y	PowerFlame	J15A-10	120976431		400,000.00	N/A	N/A	400 mbh	300 mbh	
CLTF UTES	HEATER	HEATER	Sterling		B1000990688001001	NATURAL GAS			N/A	100000 btu/hr		100,000.00		N	N/A	N/A	N/A			N/A	N/A	N/A	N/A	
CLTF UTES	HEATER	HEATER		J05ZRD10U4TBA1C	N1C0737105	NATURAL GAS			125000 btu/hr	75,000 btu/hr		125,000.00		N	N/A	N/A	N/A			N/A	N/A	N/A	N/A	
CLTF UTES	HEATER	HEATER		J10ZRN15Q4VAA4B	N1C0742152	NATURAL GAS			180000 btu/hr	108000 btu/hr		180,000.00		N	N/A	N/A	N/A			N/A	N/A	N/A	N/A	
CLTF UTES	HEATER	HEATER	Trane	4YCC3018A1040AA	8181W9R9H	NATURAL GAS			40000 btu/hr	32000 btu/hr		40,000.00		N	N/A	N/A	N/A			N/A	N/A	N/A	N/A	
CLTF UTES	HEATER	HEATER		J10DFS15B4UAG3D	N0G8074255	NATURAL GAS			180000 btu/hr	108000 btu/hr		180,000.00		N	N/A	N/A	N/A			N/A	N/A	N/A	N/A	
CLTF UTES	HEATER	HEATER	Aaon Inc	RM-010-3-0-BB02-339	200809-AMGJ44860	NATURAL GAS			180000 btu/hr	146000 btu/hr		180,000.00		N	N/A	N/A	N/A			N/A	N/A	N/A	N/A	
CLTF-CSMS	DIRECT IDUST AIR HEATER	DIRECT IDUST AIR HEATER	Global Finishing Solutions	CFA 30	U9750A	NATURAL GAS			110000 btu/hr	279936 0 btu/hr		2,799,360.00		N	N/A	N/A	N/A			N/A	N/A	N/A	N/A	
CLTF-CSMS	B-2	BOILER	Weil-Mclain	88	CP5451304	NATURAL GAS								Y	PowerFlame	WCR4-G-25	100831584		5,485,000.00	N/A	N/A	5485000	1300000	
CLTF-CSMS	WH-4	WATER HEATER	Ao Smith	BTH 120 100	0845M000011	NATURAL GAS				120000 btu/hr		120,000.00		N	N/A	N/A	N/A			N/A	N/A	N/A	N/A	
CLTF-CSMS	MUA-1	FORCED AIR HEATER	Applied Air Systems	DFM 220 HRS	2008-0008749001-01	NATURAL GAS			154824 btu/hr	195000 0 btu/hr		1,950,000.00		N	N/A	N/A	N/A			N/A	N/A	N/A	N/A	
CLTF-CSMS	FORCED AIR HEATER	FORCED AIR HEATER	Applied Air Systems	DFM 220 HRS	2008-0008749002-01	NATURAL GAS			154824 btu/hr	195000 0 btu/hr		1,950,000.00		N	N/A	N/A	N/A			N/A	N/A	N/A	N/A	
CLTF-CSMS	SPACE HEATER	SPACE HEATER	Space Ray	LTU75-N	550302	NATURAL GAS				75000 btu/hr		75,000.00		N	N/A	N/A	N/A			N/A	N/A	N/A	N/A	
CLTF-UTES	H&V 4	FORCED AIR HEATER	Applied Air Systems	DFM 220 HRT	2010-0012046002	NATURAL GAS			174177 btu/hr	237300 0 btu/hr		2,373,000.00		N	N/A	N/A	N/A			N/A	N/A	N/A	N/A	
CLTF-UTES	FORCED AIR HEATER	FORCED AIR HEATER	Applied Air Systems	DFM 220 HRT	2010-0012046001	NATURAL GAS			174177 btu/hr	237300 0 btu/hr		2,121,000.00		N	N/A	N/A	N/A			N/A	N/A	N/A	N/A	
CLTF-UTES	FORCED AIR HEATER	FORCED AIR HEATER	N/A	J07ZRN10Q4VAA4B	N1C0744032	NATURAL GAS			120000 btu/hr	N/A		120,000.00		N	N/A	N/A	N/A			N/A	N/A	N/A	N/A	
CLTF-UTES	FORCED AIR HEATER	FORCED AIR HEATER	N/A	J05ZRD10U4TBA1C	N1C0737103	NATURAL GAS			125000 btu/hr	75000 btu/hr		125,000.00		N	N/A	N/A	N/A			N/A	N/A	N/A	N/A	
CLTF-UTES	FORCED AIR HEATER	FORCED AIR HEATER	N/A	J10ZRN15Q4VAA4B	N1C0742153	NATURAL GAS			180000 btu/hr	108000 btu/hr		180,000.00		N	N/A	N/A	N/A			N/A	N/A	N/A	N/A	
CLTF-UTES	FORCED AIR HEATER	FORCED AIR HEATER	N/A	J05ZRD10U4TBA1C	N1C0737102	NATURAL GAS			125000 btu/hr	75000 btu/hr		125,000.00		N	N/A	N/A	N/A			N/A	N/A	N/A	N/A	
CLTF-UTES	FORCED AIR HEATER	FORCED AIR HEATER	N/A	J05ZRD10U4TBA1C	N1C0737106	NATURAL GAS			125000 btu/hr	75000 btu/hr		125,000.00		N	N/A	N/A	N/A			N/A	N/A	N/A	N/A	
CLTF-UTES	FORCED AIR HEATER	FORCED AIR HEATER	N/A	J10DRN15S4UAG3E	N0G8074258	NATURAL GAS			180000 btu/hr	108000 btu/hr		180,000.00		N	N/A	N/A	N/A			N/A	N/A	N/A	N/A	

CTLF-UTES	FORCED AIR HEATER	FORCED AIR HEATER	N/A	J05ZRD10U4TBA1C	N1C0737104	NATURAL GAS			125000 btu/hr	75000 btu/hr		125,000.00		N	N/A	N/A	N/A			N/A	N/A	N/A	N/A	
CTLF-UTES	FORCED AIR HEATER	FORCED AIR HEATER	Lennox	TSA180S4DN1G	5609F03367	NATURAL GAS			N/A	N/A		unkn		N	N/A	N/A	N/A			N/A	N/A	N/A	N/A	
CTLF-UTES	FORCED AIR HEATER	FORCED AIR HEATER	N/A	J12ZRN15Q4VAA4B	N1D0757878	NATURAL GAS			180000 btu/hr	108000 btu/hr		180,000.00		N	N/A	N/A	N/A			N/A	N/A	N/A	N/A	
CTLF-UTES	FORCED AIR HEATER	FORCED AIR HEATER	N/A	GMIFR-25-HRB	2010-0012046004	NATURAL GAS			312500 btu/hr	69444 btu/hr		312,500.00		N	N/A	N/A	N/A			N/A	N/A	N/A	N/A	
CTLF-UTES	FORCED AIR HEATER	FORCED AIR HEATER	Sterling	E1N-PV20A2LD1K61E2AB3E3L2	P0900976920001001	NATURAL GAS			200000 btu/hr	80000 btu/hr		200,000.00		N	N/A	N/A	N/A			N/A	N/A	N/A	N/A	
CTLF-UTES	FORCED AIR HEATER	FORCED AIR HEATER	Sterling	E1N-PV10C2C01K63L2AA7B5E1E3J1J4K2L1N2	B1000990688001001	NATURAL GAS			100000 btu/hr	40000 btu/hr		100,000.00		N	N/A	N/A	N/A			N/A	N/A	N/A	N/A	
AASF room 127	BOILER 4D	BOILER	Xtherm	H7-2005A	1311366850	NATURAL GAS			1999000	280000		1,999,000.00		N	N/A	N/A	N/A		1,754,000.00	N/A	N/A	1754 mbh	650 mbh	
AASF ROOM 127	BOILER 3C	BOILER	Xtherm	H7-2005A	1311366851	NATURAL GAS			1999000	280000		1,999,000.00		N	N/A	N/A	N/A			N/A	N/A	N/A	N/A	
	BOILER	BOILER	HB Smith	19 SERIES-10	F92 237	NATURAL GAS	9.50 gph		1364 mbh	N/A	1330000	1,364,000.00		Y	Power Flame Burner	JR50A-15	2,200,000		2,200,000	N/A	N/A	110357410	N/A	
B608 BOILER ROOM	HOT WATER HEATER	HOT WATER HEATER	A.O. Smith	BTR 400A 110	LB03-2217842-110	NATURAL GAS			399000 btu/hr			399,000.00		N	N/A	N/A	N/A			N/A	N/A	N/A	N/A	
AASF RM127	BOILER	BOILER 2B	XTherm	H7-2005A	1311366853	NATURAL GAS			1999000	280000		1,999,000.00		N	N/A	N/A	N/A			N/A	N/A	N/A	N/A	
AASF RM127	BOILER	BOILER 1A	Xtherm	H7-2005A	1311366852	NATURAL GAS			1999000	280000		1,999,000.00		N	N/A	N/A	N/A			N/A	N/A	N/A	N/A	
AASF	PRESURE WASHER 1	HOT WATER HEATER WASH RACK	RIVEER	N/A	N/A	NATURAL GAS			N/A	N/A		unkn		N	N/A	N/A	N/A			N/A	N/A	N/A	N/A	
AASF	PRESSURE WASHER 2	HOT WATER HEATER WASH RACK	RIVEER	N/A	N/A	NATURAL GAS			N/A	N/A		unkn		N	N/A	N/A	N/A			N/A	N/A	N/A	N/A	
B129	BOILER B1	BOILER B1	Universal Boiler Works	BF5054	1562161	NATURAL GAS			2100000	N/A		2,100,000.00		Y	Powerflame	CR2-G-15	119902069		2,100,000.00	N/A	N/A	2100 mbh	750mbh	
B129	BOILER B2	BOILER B2	Universal Boiler Works	BF5054	1562161	NATURAL GAS			2100000	N/A		2,100,000.00		Y	Powerflame	CR2-G-15	119902070		2,100,000.00	N/A	N/A	2100 mbh	750mbh	
B129	HOT WATER HEATER	HOT WATER HEATER	AO Smith	BTH 400A 100	1018M000184	NATURAL GAS			399900	N/A		399,900.00		N	N/A	N/A	N/A			N/A	N/A	N/A	N/A	
B129	SPLIT UNIT	SPLIT UNIT	York	GY9S100C16UP11K	W0L7386622	NATURAL GAS			100000BTU/HR	N/A		100,000.00		N	N/A	N/A	N/A			N/A	N/A	N/A	N/A	
B129	SPLIT UNIT	SPLIT UNIT	York	GY9S100C16UP11K	W0L7345760	NATURAL GAS			100000BTU/HR	N/A		100,000.00		N	N/A	N/A	N/A			N/A	N/A	N/A	N/A	
B129	SPLIT UNIT	SPLIT UNIT	York	GY9S100C16UP11K	W0L7178024	NATURAL GAS			100000BTU/HR	N/A		100,000.00		N	N/A	N/A	N/A			N/A	N/A	N/A	N/A	
B129	SPLIT UNIT	SPLIT UNIT	York	GY9S100C16UP11K	W0L7386623	NATURAL GAS			100000BTU/HR	N/A		100,000.00		N	N/A	N/A	N/A			N/A	N/A	N/A	N/A	
B129	SPLIT UNIT	SPLIT UNIT	York	GY9S100C16UP11K	W0L7386626	NATURAL GAS			100000BTU/HR	N/A		100,000.00		N	N/A	N/A	N/A			N/A	N/A	N/A	N/A	

Table LE4

Air Emission Source Survey

Boiler/Heater/Burner

Date: June 20, 2017
Surveyors: Bill, Anjelica, Devon, Hannah, Rosalie
Facility Name: Lawrenceville
Armorer: Joe Lech

			Boiler/Heater												Burner								
Location	Emission Source Name	Type (Boiler, Water Heater, Forced Air Furnace)	Make	Model	Serial Number	Fuel Type (Oil/Gas)	Oil Max (gph)	Oil Min (gph)	Gas Max (btu/hr or cfm)	Gas Min (btu/hr or cfm)	Boiler Design Capacity Heat Input Capacity Max Oil (btu/hr)	Boiler Design Capacity Heat Input Capacity Max Gas (btu/hr)	If no Serial Number, Number of Sections	Has stand alone burner? (Y/N)	Make	Model	Serial Number	Burner Heat Input Capacity Max Oil (btu/hr)	Burner Heat Input Capacity Max Gas (btu/hr)	Oil Max (gph)	Oil Min (gph)	Gas Max (btu/hr or cfm)	Gas Min (btu/hr or cfm)
armory	boiler 1	boiler	weil-mclain	1694	CP5549 511	GAS	37.5		5412000		5250000	5412000	16	Y	POWERFLAME	WCR4-GO-25	60725821	5250000	5412000	37.5	10.1 MBH	5412000	1300000
ARMORY	HOT WATER HEATER	HOT WATER HEATER	AO SMITH	AT-H2-DV-N	55002682	GAS			199000	13000		199000		N									
armory	boiler	natural gas boiler	weil-mcclain	1694	CP5549 512	GAS	37.5		5412000		5250000	5412000	16	YES	POWERFLAME	WCR4-GO-25	60725822	5250000	5412000	37.5	10.1	5412000	1300000
armory	Hot water heater	on-sire hot water heater	AO SMITH	AT-H2-DV-N	55003653	GAS			199000	13000		199000											
armory-warehouse	heater	heater	MODINE	POR145B 0101	3010015209-9938	OIL	1.65		185000		231000	185000											
armory-warehouse	heater	heater	MODINE	POR145B 0101	3001010701-6755	OIL	1.25		145000		175000	145000											
*together	mobile heater	mobile heater	FLAGRO / Stamford	FVO400HC		DIESEL	2.25		395000		315000	395000		YES	RIELLO	F10	14404005	413000		2.95	1.5		
*together	mobile heater	mobile heater	FLAGRO / Stamford	FVO400HC	A08I0077842	DIESEL	2.25		395000		315000	395000											
Marshal's Building 106	HEATER	HEATER	Reznor	CEEXL125	ALE62J7N30753	NATURAL GAS			125000			125000											
Marshal's Building 106	HEATER	HEATER	Reznor	CEEXL125	ALE62J7N30751	NATURAL GAS			125000			125000											
BLDG 4	FURNACE	FURNACE	Powrmatic	CA-35	1199-16637-01	NATURAL GAS			438000			438000		Y	Honeywell	JR15A-10U	.09937406		700000			700000	300 MBH
125	HOT WATER HEATER	HOT WATER HEATER	A.O.SMITH	PGC 75 230	MC94-0064130-230	NATURAL GAS			75000			75000											
FMS ROOM 101	FURNACE #2	FURNACE	Powermatic Inc	CA-25	1199-16636-01	NATURAL GAS			313000	250000		313000		Y	Wayne	HSG 400	3499		400000			400000	200 mbh
FMS ROOM 101	FURNACE #3	FURNACE	Powermatic Inc	CA-25	1199-16636-02	NATURAL GAS			313000	250000		313000		Y	Wayne	HSG 400	2399		400000			400000	200 mbh
FMS ROOM 109	FURNACE #1	FURNACE	Powermatic Inc	CA-35	1199-16637-02	NATURAL GAS			438000	350000 btu		438000		Y	Power Flame Burner	JR15A-10U	.09937408		700000			700000	300 mbh
B161	FURNACE	FURNACE	Powermatic Inc	CA-35	1199-16637-03	NATURAL GAS			438000	350000 btu		438000		Y	Power Flame Burner	JR15A-10U	.09937407		700000			700000	300 mbh
B161	FURNACE	FURNACE	Powermatic Inc	CA-35	1199-16637-04	NATURAL GAS			438000	350000 btu		438000		Y	Power Flame Burner	JR15A-10U	.09937407		700000			700000	300 mbh
HSCOE cages	SPACE HEATER	HEATER	Reznor ITT	UA75	1	NATURAL GAS			75000	60000 btu/hr		75000		N									
HSCOE cages	SPACE HEATER	HEATER	Reznor ITT	UDAP75	BKF79Y2N06143X	NATURAL GAS			75000	52500 btu/hr		75000											

HSCOE cages	SPACE HEATER	HEATER	Reznor ITT	UDAP75		NATURAL GAS			75000	52500 btu/hr		75000											
HSCOE	SPLIT UNIT	SPLIT UNIT	Fujitsu	AOU24RC	T000089	NATURAL GAS			24000	23000 btu/hr		24000		N									
HSCOE	SPLIT UNIT	SPLIT UNIT	Fujitsu	AOU24RC	T000088	NATURAL GAS			24000	23000 btu/hr		24000		N									
MARSHALS BUILDING	HOT WATER HEATER	HOT WATER HEATER	A.O. SMITH	FSG 40 248	GG01-0040178-248	NATURAL GAS			32000			32000		N									
HSCOE	BOILER	BOILER	HB Smith	G400	50820727	NATURAL GAS			1250000	312500		1250000											
DRIVE THROUGH BAY	IR HEATER	IR HEATER	Vantage	CTH3-200		NATURAL GAS			200000	130000		200000		N	—	—	—			—	—	—	—
DRIVE THROUGH BAY	IR HEATER	IR HEATER	Vantage	CTH3-200		NATURAL GAS			200000	130000		200000		N	—	—	—			—	—	—	—
USPFO	Boiler 3	Boiler				Natural Gas			1250000			1250000											

Table LI4

Air Emission Source Survey

Boiler/Heater/Burner

Date: **8/2/2017**
Surveyors: **Bill McBride, Hannah Buckley, and Hunter Davis**
Armory Name: **Lodi**
Armorer: **Frank Martinez**

			Boiler/Heater												Burner									
Location	Emission Source Name	Type (Boiler, Water Heater, Forced Air Furnace)	Make	Model	Serial Number	Fuel Type (Oil/Gas)	Oil Max (gph)	Oil Min (gph)	Gas Max (btu/hr or cfm)	Gas Min (btu/hr or cfm)	Boiler Design Capacity Heat Input Capacity Max Oil (btu/hr)	Boiler Design Capacity Heat Input Capacity Max Gas (btu/hr)	If no Serial Number, Number of Sections	Has stand alone burner? (Y/N)	Make	Model	Serial Number	Burner Heat Input Capacity Max Oil (btu/hr)	Burner Heat Input Capacity Max Gas (btu/hr)	Oil Max (gph)	Oil Min (gph)	Gas Max (btu/hr or cfm)	Gas Min (btu/hr or cfm)	Installation Date
ARMORY	BOILER	BOILER	H.B. Smith	450 MILLS	N/A	Gas	N/A	N/A	N/A	N/A			16	Y	Cyclonetic	JB2C-30-ED170-M. 25/.20-MP-UL-IRI	U78791A-01	4620000	476,300	33 gph	20 gph	476,300 btu/hr	280,100 btu/hr	
MVSB 1	FORCED AIR FURNACE	FORCED AIR FURNACE	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A			N/A	Y	Beckett	AFG	09031798730	420000	N/A	3	.5 gph	3 gph	N/A	
MVSB 1	FORCED AIR FURNACE	FORCED AIR FURNACE	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A			N/A	Y	Beckett	AFG	N/A	420000	N/A	3	.5 gph	3 gph	N/A	
MVSB 1	FORCED AIR FURNACE	FORCED AIR FURNACE	Powermatic	CA20	7865508	Oil	N/A	N/A	250,000 btu/hr	N/A		250000	N/A	Y	Beckett	Y014970	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
MVSB 1	FORCED AIR FURNACE	FORCED AIR FURNACE	American Furnace	N/A	N/A	N/A	N/A	N/A	N/A	N/A			N/A	Y	Beckett	AFG	03063043054	420000	N/A	3	.5 gph	3 gph	N/A	
MVSB 1	FORCED AIR FURNACE	FORCED AIR FURNACE	American Furnace	N/A	N/A	N/A	N/A	N/A	N/A	N/A			N/A	Y	Beckett	AFG	not visible	420000	N/A	3	.5 gph	3 gph	N/A	
MVSB 1	FORCED AIR FURNACE	FORCED AIR FURNACE	American Furnace	N/A	N/A	N/A	N/A	N/A	N/A	N/A			N/A	Y	Beckett	AFG	08110553892	420000	N/A	3	.5 gph	3 gph	N/A	
Armory	Boiler	Boiler	Weil-McLain	88 Series 2		GAS	N/A	N/A	N/A	N/A			N/A		Power Flame	CR2-G-20B	11865004	N/A	3103000	N/A	N/A	3103MBH		Oct 2017

Table MN4

Air Emission Source Survey

Boiler/Heater/Burner

Date: 6/26/2017

Surveyors: Bill McBride, Hannah Buckley, Hunter Davis

Armory Name Morristown

Armorer: Collin Thomas

			Boiler/Heater												Burner									
Location	Emission Source Name	Type (Boiler, Water Heater, Forced Air Furnace)	Make	Model	Serial Number	Fuel Type (Oil/Gas)	Oil Max (gph)	Oil Min (gph)	Gas Max (btu/hr or cfm)	Gas Min (btu/hr or cfm)	Boiler Design Capacity Heat Input Capacity Max Oil (btu/hr)	Boiler Design Capacity Heat Input Capacity Max Gas (btu/hr)	If no Serial Number, Number of Sections	Has stand alone burner? (Y/N)	Make	Model	Serial Number	Burner Heat Input Capacity Max Oil (btu/hr)	Burner Heat Input Capacity Max Gas (btu/hr)	Oil Max (gph)	Oil Min (gph)	Gas Max (btu/hr or cfm)	Gas Min (btu/hr or cfm)	Installation Date
ARMORY 103	BOILER	BOILER	AERCO	BMK 1500	NJ041012-15H	NATURAL GAS	Unknown	Unknown	1500000	75000		1500000	Unknown	N	N/A	N/A	N/A			N/A	N/A	N/A	N/A	N/A
ARMORY 103	BOILER	BOILER	AERCO	BMK 1500	NJ041011-15H	NATURAL GAS	Unknown	Unknown	1500000	75000		1500000	Unknown	N	N/A	N/A	N/A			N/A	N/A	N/A	N/A	N/A

Table MY4

Air Emission Source Survey

Boiler/Heater/Burner

Date: 6/29/2017
Surveyors: Devin Walker, Rosalie Hood, Jonathan McKinnon
Armory Name: Mount Holly
Armorer: Nick Torres

			Boiler/Heater												Burner										
Location	Emission Source Name	Type (Boiler, Water Heater, Forced Air Furnace)	Make	Model	Serial Number	Fuel Type (Oil/Gas)	Oil Max (gph)	Oil Min (gph)	Gas Max (btu/hr or cfm)	Gas Min (btu/hr or cfm)	Boiler Design Capacity Heat Input Capacity Max Oil (btu/hr)	Boiler Design Capacity Heat Input Capacity Max Gas (btu/hr)	If no Serial Number, Number of Sections	Has stand alone burner? (Y/N)	Make	Model	Serial Number	Burner Heat Input Capacity Max Oil (btu/hr)	Burner Heat Input Capacity Max Gas (btu/hr)	Oil Max (gph)	Oil Min (gph)	Gas Max (btu/hr or cfm)	Gas Min (btu/hr or cfm)	Installation Date
ARMORY	BOILER	BOILER	HB Smith	N/A	SERIES 34	NATURAL GAS	N/A	N/A	N/A	N/A			10	Y	PREFERRED BURNERS	N/A	N/A	2800000		20 gph	N/A	N/A	N/A	N/A
ARMORY	BOILER	BOILER	HB Smith	N/A	SERIES 34	NATURAL GAS	N/A	N/A	N/A	N/A			10	Y	PREFERRED BURNERS	N/A	N/A	2800000		20 gph	N/A	N/A	N/A	N/A

Table NK4

Air Emission Source Survey

Boiler/Heater/Burner

Date: **7/27/2017**
Surveyors: **Chuck Appleby, Rosalie Hood, Jon Mikinnon, Hannah Buckley, and Hunter Davis**
Armory Name: **Newark**
Armorer: **Jamie Simon**

			Boiler/Heater												Burner										
Location	Emission Source Name	Type (Boiler, Water Heater, Forced Air Furnace)	Make	Model	Serial Number	Fuel Type (Oil/Gas)	Oil Max (gph)	Oil Min (gph)	Gas Max (btu/hr or cfm)	Gas Min (btu/hr or cfm)	Boiler Design Capacity Heat Input Capacity Max Oil (btu/hr)	Boiler Design Capacity Heat Input Capacity Max Gas (btu/hr)	If no Serial Number, Number of Sections	Has stand alone burner? (Y/N)	Make	Model	Serial Number	Burner Heat Input Capacity Max Oil (btu/hr)	Burner Heat Input Capacity Max Gas (btu/hr)	Oil Max (gph)	Oil Min (gph)	Gas Max (btu/hr or cfm)	Gas Min (btu/hr or cfm)	Notes
NEWARK ARMORY	BOILER 1	BOILER	H.B. SMITH	350 MILLS BOILERS	194961	GAS/OIL	18.30 GAL/HR	N/A	2562 MBH	N/A	2562000	2562000	11	Y	PREFERRED UTILITIES ENGINEERED	N/A	N/A			N/A	N/A	N/A	N/A	NO PLATE
NEWARK ARMORY	BOILER 2	BOILER	H.B. SMITH	350 MILLS BOILERS	194962	GAS/OIL	18.30 GAL/HR	N/A	2562 MBH	N/A	2562000	2562000	11	Y	PREFERRED UTILITIES ENGINEERED	N/A	N/A			N/A	N/A	N/A	N/A	NO PLATE
NEWARK ARMORY	HOT WATER HEATER	HOT WATER HEATER	A.O.SMITH	BTF 80 200	K07M00 2775	NAT GAS	N/A	N/A	80000	N/A	N/A	80000	N/A	N	N/A	N/A	N/A			N/A	N/A	N/A	N/A	BUILD DATE 10/08/2007
NEWARK ARMORY	HEATER	HEATER	Economite	F400M 33	N/A	NAT GAS	N/A	N/A	625000	203000	N/A	625000	N/A	N	N/A	N/A	N/A			N/A	N/A	N/A	N/A	

Table OU4

Air Emission Source Survey

Boiler/Heater/Burner

Date: 8/8/2017
Surveyors: Devin Walker, Rosalie Hood, Jon Mckinnon
Armory Name: Old UTES
Armorer: Sam Delpidio

			Boiler/Heater												Burner										
Location	Emission Source Name	Type (Boiler, Water Heater, Forced Air Furnace)	Make	Model	Serial Number	Fuel Type (Oil/Gas)	Oil Max (gph)	Oil Min (gph)	Gas Max (btu/hr or cfm)	Gas Min (btu/hr or cfm)	Boiler Design Capacity Heat Input Capacity Max Oil (btu/hr)	Boiler Design Capacity Heat Input Capacity Max Gas (btu/hr)	If no Serial Number, Number of Sections	Has stand alone burner? (Y/N)	Make	Model	Serial Number	Burner Heat Input Capacity Max Oil (btu/hr)	Burner Heat Input Capacity Max Gas (btu/hr)	Oil Max (gph)	Oil Min (gph)	Gas Max (btu/hr or cfm)	Gas Min (btu/hr or cfm)	Installation Date
N/A	BOILER	BOILER	Smith Cast Iron Boiler	28A-S/W-08	N2004-231	LIGHT OIL|GAS	17.4 GPH	N/A	2499 GPH	N/A	2436000	2548980	N/A	Y	Carlin	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
N/A	HOT WATER HEATER	HOT WATER HEATER	Bock	51E	95041328T	#1/#2 OIL	1.1 GPH	N/A	N/A	N/A	154000	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Table PY4

Air Emission Source Survey

Boilers and Heaters

Date: 6/19/201
Surveyors: Bill McBride, Hannah Buckley, Hunter Davis
Armory Name: Picatinny
Armorer: Charles Rissmiller

			Boiler/Heater												Burner									
Location	Emission Source Name	Type (boiler, Water Heater, Forced Air Furnace)	Make	Model	Serial Number	Fuel Type (oil/Gas)	Oil Max (gph)	Oil Min	Gas Max (btu/hr) (CFM)	Gas Min	Boiler Design Capacity Heat Input Capacity Max Oil (btu/hr)	Boiler Design Capacity Heat Input Capacity Max Gas (btu/hr)	If no Serial Number, Number of Sections	Has stand alone burner? (Y/N)	Make	Model	Serial Number	Burner Heat Input Capacity Max Oil (btu/hr)	Burner Heat Input Capacity Max Gas (btu/hr)	Oil Max	Oil Min	Gas Max	Gas Min	Notes
FMS	HOT WATER HEATER	HOT WATER HEATER	Bock	200E-850 ASME	03014001P ASME 03367	NATURAL GAS	N/A	N/A	244000	N/A	N/A	244000	Unknown	Y	POWER FLAME BURNER	C1-GO-10	91455373	N/A	840,000	N/A	N/A	840000	N/A	MODEL 80 SERIES 1 BOILER
FMS	BOILER	BOILER	Well-Mclain	780	Unknown	NATURAL GAS	N/A	N/A	935000	N/A	N/A	935000	7	Y	POWER FLAME BURNER	CR1-GO-12	81454891	N/A	937,000	N/A	N/A	937000	N/A	MODEL 80 SERIES 1 BOILER
FMS	BOILER	BOILER	Well-Mclain	780	Unknown	NATURAL GAS	N/A	N/A	935000	N/A	N/A	935000	7	Y	POWER FLAME BURNER	CR1-GO-12	81454890	N/A	937,000	N/A	N/A	937000	N/A	
FMS	BOILER	BOILER	Well-Mclain	780	Unknown	NATURAL GAS	N/A	N/A	935000	N/A	N/A	935000	7	Y	POWER FLAME BURNER	CR1-GO-12	81454892	N/A	937,000	N/A	N/A	937000	N/A	

Table PN4

Air Emission Source Survey

Boiler/Heater/Burner

Date: 7/12/2017
Surveyors: Anjelica McMahone, Rosalie Hood and Jon Mckinnon
Armory Name: Princeton Warehouse
Armorer:

			Boiler/Heater												Burner										
Location	Emission Source Name	Type (boiler, Water Heater, Forced Air Furnace)	Make	Model	Serial Number	Fuel Type (oil/Gas)	Oil Max (gph)	Oil Min	Gas Max (btu/hr) (CFM)	Gas Min	Boiler Design Capacity Heat Input Capacity Max Oil (btu/hr)	Boiler Design Capacity Heat Input Capacity Max Gas (btu/hr)	If no Serial Number, Number of Sections	Has stand alone burner? (Y/N)	Make	Model	Serial Number	Burner Heat Input Capacity Max Oil (btu/hr)	Burner Heat Input Capacity Max Gas (btu/hr)	Oil Max	Oil Min	Gas Max	Gas Min	Notes
WAREHOUSE	FURNACE	FURNACE	Cox Heating Products	S0400	E250015	GAS	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N	N/A	N/A	N/A	490000	N/A	N/A	N/A	N/A	N/A	FIRING RATE 3.5 GPH

Table RE4

Air Emission Source Survey

Boiler/Heater/Burner

Date: 6/28/2017
Surveyors: Sarah Helble, Hannah Buckley, Hunter Davis
Armory Name: Riverdale
Armorer: Charles Rissmiller

			Boiler/Heater														Burner										
Location	Emission Source Name	Type (boiler, Water Heater, Forced Air Furnace)	Make	Model	Serial Number	Fuel Type (oil/Gas)	Oil Max (gph)	Oil Max (btu/hr)	Oil Min	Oil Min (btu/hr)	Gas Max (btu/hr) (CFM)	Gas Min	Boiler Design Capacity Heat Input Capacity Max Oil (btu/hr)	Boiler Design Capacity Heat Input Capacity Max Gas (btu/hr)	If no Serial Number, Number of Sections	Has stand alone burner? (Y/N)	Make	Model	Serial Number	Burner Heat Input Capacity Max Oil (btu/hr)	Burner Heat Input Capacity Max Gas (btu/hr)	Oil Max (gph)	Oil Min	Gas Max (btu/hr)	Gas Min	Installation Date	Notes
ARMORY 101	BOILER 1	BOILER	H.B.Smith	340-1	Unknown	NATURAL GAS	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			9	Y	Webster	JB1C-05-EPD170-M. 12-UL/FM/IRI	U78810C-2-11-05	1400000	150000	10	6.5 gph	150000	97500		
ARMORY 101	BOILER	BOILER	H.B.Smith	340-1	Unknown	NATURAL GAS	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			9	Y	Webster	JB1C-05-EPD170-M. 12-UL/FM/IRI	U78810C-1-11-05	1400000	150000	10	6.5 gph	150000	97500		
FMS 104	FORCED AIR FURNACE	FORCED AIR FURNACE	Powermatic	CA-35	0689-7976-1	OIL	3	420000	Unknown	Unknown	438000	350000		438000	Unknown	N	N/A	N/A	N/A			N/A	N/A	N/A	N/A		burner plate unreadable
FMS 102	FORCED AIR FURNACE	FORCED AIR FURNACE	Powermatic	CA-35	0689-7976-2	OIL	3	420000	Unknown	Unknown	438000	350000		438000	Unknown	N	N/A	N/A	N/A			N/A	N/A	N/A	N/A		burner plate unreadable
FMS 102	FORCED AIR FURNACE	FORCED AIR FURNACE	Powermatic	CA-35	0689-7976	OIL	3	420000	Unknown	Unknown	438000	350000		438000	Unknown	N	N/A	N/A	N/A			N/A	N/A	N/A	N/A		burner plate unreadable

Table ST4

Air Emission Source Survey

Boiler/Heater/Burner

Date: 5/23/2017
Surveyors: Bill, Devin, Rose, Jon, Hunter, Hannah
Facility Name: Sea Girt
Armorer: Joseph Landree

			Boiler/Heater												Burner										
Location	Emission Source Name	Type (boiler, Water Heater, Forced Air Furnace)	Make	Model	Serial Number	Fuel Type (oil/Gas)	Oil Max (gph)	Oil Min	Gas Max (btu/hr) (CFM)	Gas Min	Boiler Design Capacity Heat Input Capacity Max Oil (btu/hr)	Boiler Design Capacity Heat Input Capacity Max Gas (btu/hr)	If no Serial Number, Number of Sections	Has stand alone burner? (Y/N)	Make	Model	Serial Number	Burner Heat Input Capacity Max Oil (btu/hr)	Burner Heat Input Capacity Max Gas (btu/hr)	Oil Max	Oil Min	Gas Max	Gas Min	Installation Date	Notes
QRTS 1 BASEMENT	BOILER	BOILER	Munchkin	140M R2	I17043020	Gas	N/A	N/A	140000	46000	N/A	140000			N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
BUILDING 3	BOILER	BOILER	Weil-Mclain	CGI-4-PIN	CP3710142	Nat Gas	100000	N/A	N/A	N/A	100000	N/A		N	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
QRTS 6 KITCHEN	WATER HEATER	STORAGE WATER HEATER	A.O. SMITH	GCV40300	1311A006863	Natural Gas	N/A	N/A	40000	N/A	N/A	40000			N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
BUILDING 8 ROOM 214	HOT WATER HEATER	HOT WATER HEATER	A.O. SMITH	BTC365A970	LJ98-0767643-970	Nat Gas	365000	N/A	N/A	N/A	365000	N/A			N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
BUILDING 8 ROOM 214	HOT WATER HEATER	HOT WATER HEATER	A.O. SMITH	BTC365A970	LJ98-0767645-970	Nat Gas	365000	N/A	N/A	N/A	365000	N/A			N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
BUILDING 8 ROOM 214	HOT WATER HEATER	HOT WATER HEATER	A.O. SMITH	BTC365A970	LJ98-0767653-970	Nat Gas	365000	N/A	N/A	N/A	365000	N/A			N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
OUTSIDE	BBQ	BBQ	Crown Verity	MCB60	23456	Natural Gas	N/A	N/A	15000	N/A	N/A	15000			N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
BUILDING 11	HOT WATER HEATER	HOT WATER HEATER	A.O. SMITH	BTC 365A 962	LF96-0546240-962	Gas	N/A	N/A	365000	N/A	N/A	365000		N	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
BUILDING 11	BOILER1	BOILER1	Heat Transfer Products	mod con 500	F16R21675	Gas	N/A	N/A	500000	100000	N/A	500000		N	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
BUILDING 11	BOILER2	BOILER2	Heat Transfer Products	modcon500VWH	K18Q51958	Gas	N/A	N/A	500000	100000	N/A	500000		N	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
BUILDING 15	FURNACE	FURNACE	Carrier Weathermaker 9200	58MXA120-20	3198A04327	Natural Gas	N/A	N/A	100000	1,121 Pa	N/A	100000		N	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
BUILDING 16	HOT WATER HEATER	HOT WATER HEATER WH6B	N/A	BTH 400A 200	1509M000413	Natural Gas	N/A	N/A	399900	195000 btu/hr	N/A	399900		N	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	42061	Elapsed Time 186 days 21 mins
BUILDING 22	FURNACE	FORCED AIR FURNACE	York	PHDD20N11501B	EGFP020691	Natural Gas	N/A	N/A	125000	N/A	N/A	125000			N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Pic on red camera
BUILDING 22	FURNACE	FORCED AIR FURNACE	York	PHDD20N11501B	EGFP02…	Natural Gas	N/A	N/A	125000	N/A	N/A	125000			N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Pic on red camera
BUILDING 22	FURNACE	FORCED AIR FURNACE	York	PHDD20N11501B	EGFP020690	Natural Gas	N/A	N/A	125000	N/A	N/A	125000			N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Pic on red camera
BUILDING 23	FURNACE	FORCED AIR FURNACE	A.O. SMITH	CP9C100C20MP12CB	W1H5953844	Natural Gas	N/A	N/A	100000	35000 btu/hr	N/A	100000			N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Pic on red camera
BUILDING 23	FURNACE	FORCED AIR FURNACE	York	PHDD20N11501B	EGFP020680	Natural Gas	N/A	N/A	N/A	N/A	N/A	125000			N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Pic on red camera
BUILDING 23	FURNACE	FORCED AIR FURNACE	York	PHDD20N11501B	EGFP020722	Natural Gas	N/A	N/A	N/A	N/A	N/A	125000			N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Pic on red camera
BUILDING 23	HOT WATER HEATER	HOT WATER HEATER	A.O. Smith	BTC 200 972	MD98-0730440-972	Natural Gas	N/A	N/A	199000	N/A	N/A	199000		N	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
BUILDING 24	FURNACE	FORCED AIR FURNACE	York	PHDD20N11501B	EGFP020731	Natural Gas	N/A	N/A	N/A	N/A	N/A	125000			N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Pic on red camera
BUILDING 24	FURNACE	FORCED AIR FURNACE		CP9C100C20MP12CB	W1A5449464	Natural Gas	N/A	N/A	100000	35000 btu/hr	N/A	100000			N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Pic on red camera
BUILDING 24	FURNACE	FURNACE		GY9S135D2OUP11H	W0G5579919	Natural Gas	N/A	N/A	135000	N/A	N/A	135000		N	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	R22/R410A	
BUILDING 54	HEATER	HEATING UNIT	Lennox	LGH150S4BH1Y	5610F06787	Gas	N/A	N/A	240000	156000	N/A	240000		N	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
BUILDING 60 DOOR 2	HEATER	HEATER	Modine	pv175ae0130	30011050800-3189	Natural Gas	N/A	N/A	175000	140000 btu/hr	N/A	175000			N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
BUILDING 60 DOOR 2	HEATER	HEATER	Modine	pv175ae0130	30011050800-3189	Natural Gas	N/A	N/A	175000	140000 btu/hr	N/A	175000			N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
BUILDING 60 DOOR 2	BOILER	BOILER	H.B. Smith	g300-s/w/6	a85 636	Natural Gas	N/A	N/A	375000	37500 btu/hr	N/A	375000			N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
BUILDING 60 DOOR 4	SPACE HEATER	SPACE HEATER	Modine	PV175AE0130	30011050800-3189	Natural Gas	N/A	N/A	175000	N/A	N/A	175000			N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
BUILDING 60 DOOR 4	SPACE HEATER	SPACE HEATER	Modine	PV175AE0130	30011050800-3187	Natural Gas	N/A	N/A	175000	N/A	N/A	175000			N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
BUILDING 60 DOOR 4	SPACE HEATER	SPACE HEATER	Modine	PV175AE0130	30011050800-3188	Natural Gas	N/A	N/A	175000	N/A	N/A	175000			N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
BUILDING 60 DOOR 7	SPACE HEATER	SPACE HEATER	Modine	PV100AE0130	30011041201-5207	Natural Gas	N/A	N/A	100000	N/A	N/A	100000			N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
BUILDING 60 DOOR 7	HEATER	HEATER	Modine	pv100ae00130	30011041201-5208	Gas	N/A	N/A	100000	N/A	N/A	100000			N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
BUILDING 60 DOOR 7	HEATER	HEATER	Modine	pv175ae0130	30011050800-3134	Gas	N/A	N/A	175000	N/A	N/A	175000			N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	

BUILDING 60 DOOR 7	BOILER	BOILER	Vifssmann	w82b60	7374867	Gas	N/A	N/A	212000	60000 btu/hr	N/A	212000			N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
BUILDING 60 DOOR 11	FORCED AIR HEATER	FORCED AIR HEATER	Modine	PV100AE0130	39011042501-8185	Natural Gas	N/A	N/A	input: 100000 btu/hr output: 80000 btu/hr	N/A	N/A	100000		N	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
BUILDING 60	FORCED AIR FURNACE	FORCED AIR FURNACE	Coleman Evcon	G8C12520MUD11A	WFJM008679	Gas	N/A	N/A	INPUT 12500	N/A	N/A	12500			N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	OUTPUT 100000 BTU PER HR	
BUILDING 66	FORCED AIR HEATER	FORCED AIR HEATER	Magic Chef	G66-200-5	I10056BFB	Natural Gas	N/A	N/A	200000	N/A	N/A	200000			N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
BUILDING 11	BOILER 1	BOILER	Weil-Mclain	1694	CP5549511	Gas	37.5	N/A	500,000	N/A	5250000	500,000	16	Y	MARLEE CONTRACTORS	WCR4-GO-25	60725821	N/A	N/A	37.5 MBH	10.1 MBH	N/A	1300000	N/A	N/A
BUILDING 11	HOT WATER HEATER	HOT WATER HEATER	Superstor Ultra	ssu-119cb	(21)F19M18743	Natural Gas	N/A	N/A	<200	N/A	N/A	200			N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
BUILDING 11	HOT WATER HEATER BOILER	HOT WATER HEATER BOILER	Munchkin Vwh	399VWHPS R2	D03O16955	Natural Gas	N/A	N/A	399000	0	N/A	399000			N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
BUILDING 11	BOILER 1	BOILER	Weil-Mclain	N/A	N/A	Gas	N/A	N/A	2800 MBH	N/A	N/A	2800000			PREFERRED UTILITIES	F-1114-01-315	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
BUILDING 11	BOILER #2	BOILER	Well Mclain	Series 2	N/A	Natural Gas	16.65 GPH	N/A	2450 MBH	N/A	N/A	2450000		Y	Preffered Utilities	F-1114-01-312	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	LEAKING
B17	HOT WATER HEATER	HOT WATER HEATER	AO Smith	BTR 250A 110	LF011034774	NATURAL GAS	N/A	N/A	250000	N/A	N/A	250000		N	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A			
B18	SPLIT UNIT	SPLIT UNIT	Coleman	CP9C100C16MP12CB	W1G3922565	NATURAL GAS OR PROPANE GAS	N/A	N/A	100000	35000 btuh	N/A	100000		N	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A			
B18	HOT WATER HEATER	HOT WATER HEATER	AO Smith	BTR 250A 110	LF011034771	NATURAL GAS	N/A	N/A	250000	N/A	N/A	250000		N	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A			
B18	SPLIT UNIT	SPLIT UNIT	Coleman	CP9C100C16MP12CB	W1D4636057	NATURAL GAS OR PROPANE GAS	N/A	N/A	100000	35000 btuh	N/A	100000		N	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A			
B21	HOT WATER HEATER	HOT WATER HEATER	AO Smith	BTC 200 972	MD98-0737485-972	NATURAL GAS	N/A	N/A	199000	N/A	N/A	199000			N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A			
B20	HOT WATER HEATER	HOT WATER HEATER	AO Smith	BTC 200 972	MD98-0737487-972	NATURAL GAS	N/A	N/A	199000	N/A	N/A	199000		N	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A			
B15	HEAT PUMP/ CENTRAL COOLING AC UNIT	HEAT PUMP/ CENTRAL COOLING AC UNIT	YORK	MC60D3XC1A	W1B5523492	NATURAL GAS	N/A	N/A	120000	N/A	N/A	120000		N	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A			
B16	WH6A	HOT WATER HEATER	AO SMITH	BTH 400A 200	1521M000807	NATURAL GAS	N/A	N/A	399900	195000	N/A	399900		N	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A			
B66	AIR & HEAT UNIT	AIR & HEAT UNIT		DHUC-F060N125A	SNEHM062283	NATURAL GAS	N/A	N/A	125000	N/A	N/A	125000		N	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A			
BLDG 22 RM111	HOT WATER HEATER	HOT WATER HEATER	A.O. Smith	BTC 200 972	MD98-0737491-972	NATURAL GAS	N/A	N/A	199000	N/A	N/A	199000			N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A			
BLDG 24 RM 101	HEATER	HEATER	York	PS9D20N120UP11A	WGNM079631	NATURAL GAS	N/A	N/A	20000	N/A	N/A	20000			N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A			
BUILDING 65	FORCED AIR	FORCED AIR	MODINE	PD100AE1030	30011013300-9333	NATURAL GAS	N/A	N/A	100000	N/A	N/A	100000			N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A			
BUILDING 68	FORCED AIR	FORCED AIR	MODINE	PAE145AC	15081010493	NATURAL GAS	N/A	N/A	145000	N/A	N/A	145000			N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A			
BUILDING 68	FORCED AIR	FORCED AIR	MODINE	PAE145AC	15081010493	NATURAL GAS	N/A	N/A	145000	N/A	N/A	145000			N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A			
BUILDING 65	FORCED AIR	FORCED AIR	LENNOX	CH33-62D-2F-2	6009J20495	NATURAL GAS	N/A	N/A	N/A	N/A	N/A	unkn			N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A			
MED/GIB	HOT WATER HEATER	HOT WATER HEATER	HTP	PH130-119S	092815E1702117	NATURAL GAS	N/A	N/A	130,000	30,000	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
MED/GIB	Electric Heaters	Boiler	Greenheck	ERT-45-15L-S-EH-01	15168037 17J	Electric	N/A	N/A	UNKN	UNKN	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
MED/GIB	Electric Heaters	Boiler	Greenheck	ERT-45-15L-S-EH-01	15168033 17J	Electric	N/A	N/A	UNKN	UNKN	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
MED/GIB	Air Conditioner	Air Conditioner	York	PC090C00A2GLG4	N1L7153208	Electric	N/A	N/A	UNKN	UNKN	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
MED/GIB	Air conditioner	Air conditioner	York	PC090C00A2GLG5	N1L7153209	Electric	N/A	N/A	UNKN	UNKN	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
MED/GIB	Multi V Heat Pump	Multi V Heat Pump	LG	ARUB144BTE4	703KCYQ1F402	Electric	N/A	N/A	144,000	UNKN	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
MED/GIB	Multi V Heat Pump	Multi V Heat Pump	LG	ARUB144BTE4	703KCNL1F391	Electric	N/A	N/A	144,000	UNKN	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
MED/GIB	Smart Inverter	Smart Inverter	LG	LSU243HLV	706KAFX2K515	Electric	N/A	N/A	24,000	UNKN	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
FMS	Split Unit	Split Unit	Trane	4TXCB003DS3HCAA	18276X6X5G	Natural Gas	N/A	N/A	48,000	UNKN	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
FMS	Split Unit	Split Unit	Trane	4PXCBU48BS3HAAA	17355SSJ5G	Natural Gas	N/A	N/A	48,000	UNKN	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
FMS	Split Unit	Split Unit	Trane	4PXCBU48BS3HAAA	17355SFW5G	Natural Gas	N/A	N/A	48,000	UNKN	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
FMS	HEAT PUMP	HEAT PUMP	Samsung	AQX36VFUAGM		Electric	N/A	N/A	36,000	UNKN	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
FMS	HEAT PUMP	HEAT PUMP	Trane	4TWR4024G1000AB	182817YE4F	Electric	N/A	N/A	24,000	UNKN	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
FMS	HEAT PUMP	HEAT PUMP	Trane	4TWA7048A3000AA	18272MH02F	Electric	N/A	N/A	48,000	UNKN	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

FMS	HEAT PUMP	HEAT PUMP	Trane	4TWA7048A3000AA	18272MLG2F	Electric	N/A	N/A	48,000	UNKN	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
FMS	IR Heater	IR Heater	Reznor	VPS-80	UNKN	NATURAL GAS	N/A	N/A	80,000	60,000	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
FMS	IR Heater	IR Heater	Reznor	VPS-80	UNKN	NATURAL GAS	N/A	N/A	80,000	60,000	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
FMS	IR Heater	IR Heater	Reznor	VPS-80	UNKN	NATURAL GAS	N/A	N/A	80,000	60,000	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
FMS	IR Heater	IR Heater	Reznor	VPS-80	UNKN	NATURAL GAS	N/A	N/A	80,000	60,000	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
FMS	Space Heater	Space Heater	Reznor	UDAS-125	UNKN	NATURAL GAS	N/A	N/A	120,000	UNKN	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
FMS	Space Heater	Space Heater	Reznor	UDAS-125	UNKN	NATURAL GAS	N/A	N/A	120,000	UNKN	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
FMS	Space Heater	Space Heater	Reznor	UDAS-125	UNKN	NATURAL GAS	N/A	N/A	120,000	UNKN	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
FMS	Space Heater	Space Heater	Reznor	UDAS-125	UNKN	NATURAL GAS	N/A	N/A	120,000	UNKN	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
FMS	Space Heater	Space Heater	Reznor	UDAS-200	UNKN	NATURAL GAS	N/A	N/A	200,000	UNKN	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
FMS	HOT WATER HEATER	HOT WATER HEATER	A.O. SMITH	BTX-80 120	1736107441463	NATURAL GAS	N/A	N/A	76,000	UNKN	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
FMS	HOT WATER HEATER	HOT WATER HEATER	A.O. SMITH	BTX-80 120	1736107441462	NATURAL GAS	N/A	N/A	76,000	UNKN	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Table SS4

Air Emission Source Survey

Boiler/Heater/Burner

Date: 7/12/2017

Surveyors: Bill McBride, Anjelica McMahon, Devin Walker, Hannah Buckley, Rosalie Hood, Jon Mckinnon and Hunter Davis.

Facility Name: Somerset Armory

Armorer: Llewelyn Charles

			Boiler/Heater												Burner									
Location	Emission Source Name	Type (Boiler, Water Heater, Forced Air Furnace)	Make	Model	Serial Number	Fuel Type (Oil/Gas)	Oil Max (gph)	Oil Min (gph)	Gas Max (btu/hr or cfm)	Gas Min (btu/hr or cfm)	Boiler Design Capacity Heat Input Capacity Max Oil (btu/hr)	Boiler Design Capacity Heat Input Capacity Max Gas (btu/hr)	If no Serial Number, Number of Sections	Has stand alone burner? (Y/N)	Make	Model	Serial Number	Burner Heat Input Capacity Max Oil (btu/hr)	Burner Heat Input Capacity Max Gas (btu/hr)	Oil Max (gph)	Oil Min (gph)	Gas Max (btu/hr or cfm)	Gas Min (btu/hr or cfm)	Installation Date
ARMORY 108	Boiler 1	BOILER	H.B. Smith	M450L Mills	Unkown	NATURAL GAS	Unkown	Unkown	Unkown	N/A	N/A	N/A	13	Y	Webster	JB2C-20-EP170-M.20-MP-FM	U66384A-1-5-02	3500000	357500	25	15	357500	181000	N/A
ARMORY 108	Boiler 2	BOILER	H.B. Smith	M450L Mills	Unkown	NATURAL GAS	Unkown	Unkown	Unkown	N/A	N/A	N/A	13	Y	Webster	JB2C-20-EP170-M.20-MP-FM	U66384A-2-5-02	3500000	357500	25	15	357500	181000	N/A
ARMORY 108	Water Heater	HOT WATER HEATER	AO Smith	FCG 75 300	1410A027538	NATURAL GAS	Unkown	Unkown	75100	N/A	N/A	75100	N/A	N	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
FMS-10	Boiler	BOILER	Burnham	V904A	65542287	NATURAL GAS	4.2	Unkown	60600	N/A	588000	60600	N/A	Y	Webster	JB1G-02-RM7897C-L.10-UL-FM-CSD-1	U123913A-01	N/A	60600	N/A	N/A	60600	N/A	3/23/2017
DTMB-1	INFRARED HEATER	INFRARED HEATER	Space-Ray	UNKNOWN	N/A	N/A	N/A	N/A	200000	130000	N/A	200000	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
DTMB-1	INFRARED HEATER	INFRARED HEATER	Space-Ray	UNKNOWN	N/A	N/A	N/A	N/A	200000	130000	N/A	200000	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Table TK4

Air Emission Source Survey

Boiler/Heater/Burner

Date: 8/8/2018
Surveyors: Devin Walker, Rosalie Hood, and Jon Mckinnon
Armory Name: Teaneck
Armorer: Wendell Laws

			Boiler/Heater												Burner									
Location	Emission Source Name	Type (Boiler, Water Heater, Forced Air Furnace)	Make	Model	Serial Number	Fuel Type (Oil/Gas)	Oil Max (gph)	Oil Min (gph)	Gas Max (btu/hr or cfm)	Gas Min (btu/hr or cfm)	Boiler Design Capacity Heat Input Capacity Max Oil (btu/hr)	Boiler Design Capacity Heat Input Capacity Max Gas (btu/hr)	If no Serial Number, Number of Sections	Has stand alone burner? (Y/N)	Make	Model	Serial Number	Burner Heat Input Capacity Max Oil (btu/hr)	Burner Heat Input Capacity Max Gas (btu/hr)	Oil Max (gph)	Oil Min (gph)	Gas Max (btu/hr or cfm)	Gas Min (btu/hr or cfm)
ARMORY	BOILER NO. 1	BOILER	SMITH CAST IRON BOILERS	650A	MC97-1	NAT GAS	N/A	N/A	13,492,500	N/A	N/A	13,492,500	21	Y	PREFERRED UTILITIES ENGINEERED	BHE 90 3A4 RP 90 3A4	30564-9703	N/A	91800	N/A	N/A	90 GPH	N/A
ARMORY	BOILER NO. 2	BOILER	SMITH CAST IRON BOILERS	650A	MC97-2	NAT GAS	N/A	N/A	13,492,500	N/A	N/A	13,492,500	21	Y	PREFERRED UTILITIES ENGINEERED	BHE 90 3A4 RP 90 3A4	30563-9703	N/A	91800	N/A	N/A	90 GPH	N/A
ARMORY	HOT WATER HEATER	HOT WATER HEATER	A.O. SMITH PREFFERED	BTF 80 200	K07M002776	NAT GAS	N/A	N/A	80000	N/A	N/A	80000	N/A	N	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
OMS	BOILER	BOILER	SMITH CAST IRON BOILERS	28A	N2004-457	NAT GAS	N/A	N/A		N/A	N/A		N/A	Y	POWER FLAME BURNER	C2GO-15HBS-6	40412690	N/A	1827000			1827 MBH	N/A
DRIVE THRU BAY	SPACE HEATER	SPACE HEATER	SPACE-RAY	LTU8200-N7	785465	NAT GAS	N/A	N/A	2000000	125000	N/A	2000000	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
DRIVE THRU BAY	SPACE HEATER	SPACE HEATER	SPACE-RAY	LTU8200-N8	785462	NAT GAS	N/A	N/A	200000	125000	N/A	200000	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
DRIVE THRU BAY	HOT WATER HEATER	HOT WATER HEATER	N/A	BTH 150 100	1323M0000064	NAT GAS	RECOV. 170.9 GPH	N/A	150000	N/A	N/A	150000	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Table TR4

Air Emission Source Survey

Boiler/Heater/Burner

Date: 7/11/2017
Surveyors: Devin Walker, Rosalie Hood, Jonathan McKinnon
Armory Name: Toms River
Armorer: Mike Reeves

			Boiler/Heater												Burner										
Location	Emission Source Name	Type (Boiler, Water Heater, Forced Air Furnace)	Make	Model	Serial Number	Fuel Type (Oil/Gas)	Oil Max (gph)	Oil Min (gph)	Gas Max (btu/hr or cfm)	Gas Min (btu/hr or cfm)	Boiler Design Capacity Heat Input Capacity Max Oil (btu/hr)	Boiler Design Capacity Heat Input Capacity Max Gas (btu/hr)	If no Serial Number, Number of Sections	Has stand alone burner? (Y/N)	Make	Model	Serial Number	Burner Heat Input Capacity Max Oil (btu/hr)	Burner Heat Input Capacity Max Gas (btu/hr)	Oil Max (gph)	Oil Min (gph)	Gas Max (btu/hr or cfm)	Gas Min (btu/hr or cfm)	Installation Date
ARMORY	HOT WATER HEATER	HOT WATER HEATER	AO Smith	FCG 75 300	H07A114971	NATURAL GAS	RECOVERY 72.82 GAL	N/A	75100	N/A	10194800	75100		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
ARMORY	BOILER	BOILER	Aerco/Unical	MLX606H	606-09-0197	NATURAL GAS	N/A	N/A	606000	45000	N/A	606000		N	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
ARMORY	BOILER	BOILER	HB SMITH	M8G-50		NATURAL GAS	N/A	N/A	606000	45000	N/A	606000		N	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
MVSB	HEATER	HEATER	Powematic	UH-140	449833	N/A	1.25	N/A	140000	N/A	175000	140000		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
MVSB	HEATER	HEATER	Powematic	UH-140	449833	N/A	1.25	N/A	140000	N/A	175000	140000		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
ARMORY-DRILL	HEATER	HEATER	GREENHECK	PVF400H	715-359-6171	NATURAL GAS	N/A	N/A	400000	100000	N/A	400000		N	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
ARMORY-DRILL	FURNACE	FURNACE	Weather King	90RJ10EGS01	GE5D307F450602635	NATURAL GAS	N/A	N/A	105000	N/A	N/A	105000		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	11/1/2006
ARMORY-DRILL	FURNACE	FURNACE	Weather King	90RJ04EES01	GE5D302F100706302	NATURAL GAS	N/A	N/A	45000	N/A	N/A	45000		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	3/1/2007
ARMORY-DRILL	FURNACE	FURNACE	Weather King	90RJ04EES01	GE5D302F100706280	NATURAL GAS	N/A	N/A	45000	N/A	N/A	45000		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	CUT OFF
ARMORY-112	FURNACE	FURNACE	Weather King	90RJ12EHS01	GE5D307F030702793	NATURAL GAS	N/A	N/A	120000	N/A	N/A	120000		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	1/1/2007
ARMORY-105	FURNACE	FURNACE	Weather King	90RJ10EGS01	GE5D307F450602581	NATURAL GAS	N/A	N/A	105000	N/A	N/A	105000		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	11/1/2006
ARMORY-123	FURNACE	FURNACE	Weather King	90RJ10EGS01	GE5D307F450602591	NATURAL GAS	N/A	N/A	105000	N/A	N/A	105000		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	11/1/2006
UTMB	BOILER	BOILER	The H.B. Smith Co Inc	SEE PICTURE		OIL	5.5	N/A	521700	N/A	770000	521700		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
ARMORY-DRILL	SPACE HEATER	SPACE HEATER	Superior Radiant Products	LTX80	119608	NATURAL GAS	N/A	N/A	80000	60000	N/A	80000		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
ARMORY-DRILL	SPACE HEATER	SPACE HEATER	Superior Radiant Products	LTX80	119611	NATURAL GAS	N/A	N/A	80000	60000	N/A	80000		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
ARMORY-DRILL	SPACE HEATER	SPACE HEATER	Superior Radiant Products	LTX80	119610	NATURAL GAS	N/A	N/A	80000	60000	N/A	80000		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
ARMORY-DRILL	SPACE HEATER	SPACE HEATER	Superior Radiant Products	LTX80	119609	NATURAL GAS	N/A	N/A	80000	60000	N/A	80000		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Table TU4

Air Emission Source Survey

Boiler/Heater/Burner

Date: 6/26/2017
Surveyors: Chuck Appleby, Rosalie Hood, Jonathan McKinnon
Armory Name: Tuckerton
Armorer: Lynne Gutierrez

			Boiler/Heater												Burner									
Location	Emission Source Name	Type (Boiler, Water Heater, Forced Air Furnace)	Make	Model	Serial Number	Fuel Type (Oil/Gas)	Oil Max (gph)	Oil Min (gph)	Gas Max (btu/hr or cfm)	Gas Min (btu/hr or cfm)	Boiler Design Capacity Heat Input Capacity Max Oil (btu/hr)	Boiler Design Capacity Heat Input Capacity Max Gas (btu/hr)	If no Serial Number, Number of Sections	Has stand alone burner? (Y/N)	Make	Model	Serial Number	Burner Heat Input Capacity Max Oil (btu/hr)	Burner Heat Input Capacity Max Gas (btu/hr)	Oil Max (gph)	Oil Min (gph)	Gas Max (btu/hr or cfm)	Gas Min (btu/hr or cfm)	Installation Date
ARMORY	BOILER	BOILER	Weil-McLain	HR-40-10	Series 2	both Gas	17.7	N/A	2655 mbh	N/A	2478000	2655000	N/A	Y	underwriters	BE 20 3A4	30533-9409	N/A	N/A	N/A	N/A	1050BTU/ft^3	N/A	N/A

Table VD4

Air Emission Source Survey

Boiler/Heater/Burner

Date: **5/11/2017**
Surveyors: **Bill McBride, Anjelica McMahon, Devin Walker, Hannah Buckley, Rosalie Hood, Jon Mckinnon and Hunter Davis**
Armory Name: **Vineland**
Armorer: **Phillip Fiore**

			Boiler/Heater												Burner									
Location	**Emission Source Name**	**Type (Boiler, Water Heater, Forced Air Furnace)**	**Make**	**Model**	**Serial Number**	**Fuel Type (Oil/Gas)**	**Oil Max (gph)**	**Oil Min (gph)**	**Gas Max (btu/hr or cfm)**	**Gas Min (btu/hr or cfm)**	**Boiler Design Capacity Heat Input Capacity Max Oil (btu/hr)**	**Boiler Design Capacity Heat Input Capacity Max Gas (btu/hr)**	**If no Serial Number, Number of Sections**	**Has stand alone burner? (Y/N)**	**Make**	**Model**	**Serial Number**	**Burner Heat Input Capacity Max Oil (btu/hr)**	**Burner Heat Input Capacity Max Gas (btu/hr)**	**Oil Max (gph)**	**Oil Min (gph)**	**Gas Max (btu/hr or cfm)**	**Gas Min (btu/hr or cfm)**	**Installation Date**
FMS	WATER HEATER	WATER HEATER	Bock	71E	03033103T	OIL	173000	N/A	N/A	N/A	173000	N/A		Y	Bock	MSR	371-017B	N/A	N/A	N/A	N/A	N/A	N/A	903
DTMB	WATER HEATER	WATER HEATER	Bradford White	EF100T150E3N2	LA33846529	NAT GAS	N/A	N/A	150000	N/A	N/A	150000		N	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
ARMORY	BOILER	BOILER	Weil-Mclain	H-1394WS	N/A	NATURAL GAS	28.45	N/A	4200000	N/A	3983000	4200000	13	Y	Gordon-Piatt	R100.2-G0-30	AN473779	4340000	447400	31	447400	447400	1985	
ARMORY	HOT WATER HEATER	HOT WATER HEATER	A.O. Smith	BTR 154 110	MJ01-1171692-110	NATURAL GAS	N/A	N/A	154000	N/A	N/A	154000		N	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
FMS	BOILER	BOILER	Weil-Mclain	678	CP3729009	OIL	5.5	N/A	789000	N/A	770000	789000		Y	Beckett	WL2403 R00001207-99464	N/A	980000	N/A	7	3	N/A	N/A	N/A
DRIVE THROUGH BAY	IR HEATER	IR HEATER	Vantage	CTH3-200	1509-034-200-0001	NATURAL GAS	N/A	N/A	200000	130000	N/A	200000		N	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
DRIVE THROUGH BAY	IR HEATER	IR HEATER	Vantage	CTH3-200	1411-034-200-0025	NATURAL GAS	N/A	N/A	200000	130000	N/A	200000		N	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Table WT4

Air Emission Source Survey

Boiler/Heater/Burner

Date: 6/27/2017
Surveyors: Bill McBride, Hannah Buckley, Hunter Davis
Facility Name: Washington
Armorer: Charles Rissmiller

			Boiler/Heater												Burner									
Location	Emission Source Name	Type (Boiler, Water Heater, Forced Air Furnace)	Make	Model	Serial Number	Fuel Type (Oil/Gas)	Oil Max (gph)	Oil Min (gph)	Gas Max (btu/hr or cfm)	Gas Min (btu/hr or cfm)	Boiler Design Capacity Heat Input Capacity Max Oil (btu/hr)	Boiler Design Capacity Heat Input Capacity Max Gas (btu/hr)	If no Serial Number, Number of Sections	Has stand alone burner? (Y/N)	Make	Model	Serial Number	Burner Heat Input Capacity Max Oil (btu/hr)	Burner Heat Input Capacity Max Gas (btu/hr)	Oil Max (gph)	Oil Min (gph)	Gas Max (btu/hr or cfm)	Gas Min (btu/hr or cfm)	Installation Date
ARMORY	BOILER	BOILER	Well-McLain	894	NJ015032-16H	OIL	17.6	Unknown	254000	Unknown	2464000	254000	8	Y	PowerFlame	CR3-GO-20	61557541	2450000	103600	17.5	2450000	7.4	103600	N/A
ARMORY	HOT WATER HEATER	HOT WATER HEATER	Bock	120E	04063042T	OIL	1.1	Unknown	155000	Unknown	154000	155000	Unknown	Y	Bock	MSR	Unknown	N/A	N/A	Unknown	Unknown	Unknown	Unknown	N/A

Table WO4

Air Emission Source Survey

Boiler/Heater/Burner

Date: **7/27/2017**
Surveyors: **Anjelica McMahon, Devin Walker, Hannah Buckley, Rosalie Hood, Jon Mckinnon and Hunter Davis**
Armory Name: **West Orange**
Armorer: **Raul Chacon**

		Boiler/Heater													Burner								
Location	Emission Source Name	Type (Boiler, Water Heater, Forced Air Furnace)	Make	Model	Serial Number	Fuel Type (Oil/Gas)	Oil Max (gph)	Oil Min (gph)	Gas Max (btu/hr or cfm)	Gas Min (btu/hr or cfm)	Boiler Design Capacity Heat Input Capacity Max Oil (btu/hr)	Boiler Design Capacity Heat Input Capacity Max Gas (btu/hr)	If no Serial Number, Number of Sections	Has stand alone burner? (Y/N)	Make	Model	Serial Number	Burner Heat Input Capacity Max Oil (btu/hr)	Burner Heat Input Capacity Max Gas (btu/hr)	Oil Max (gph)	Oil Min (gph)	Gas Max (btu/hr or cfm)	Gas Min (btu/hr or cfm)
122	BOILER	BOILER 2	Smith	4500A		NATURAL GAS	28.0 GPH		4404 MBH		3920000	4404000	11	Y	Power Flame Burner	C3-GO-25B	30933203	4760000	4888000	34 GPH	12.7 GPH	4888 MBH	1923 MBH
122	BOILER	BOILER 1	Smith	4500A		NATURAL GAS	28.0 GPH		4404 MBH		3920000	4404000	11	Y	Power Flame Burner	C3-GO-25B	30933204	4760000	4888000	34 GPH	12.7 GPH	4888 MBH	1923 MBH
CSMS 2	boiler 4	boiler	MACH	CM-399	A432-13-9717	GAS			399000			399000		N									
CSMS 2	boiler 3	boiler	MACH	CM-399	A436-13-9785	GAS			399000			399000		N									
CSMS 1	boiler 2	boiler	MACH	CM-399	A432-13-9714	GAS			399000			399000		N									
CSMS 1	boiler 1	boiler	MACH	CM-399	A436-13-9788	GAS			399000			399000		N									
CSMS1	Space Heater	Space Heater	Vantage	CTH3-200	1307-034-200-0012	GAS			200000	130000		200000											
CSMS1	Space Heater	Space Heater	Vantage	CTH3-200	1307-034-200-0011	GAS			200000	130000		200000											
CSMS1	Space Heater	Space Heater	Vantage	CTH3-200	1307-034-200-0013	GAS			200000	130000		200000											
CSMS1	Space Heater	Space Heater	Vantage	CTH3-200	1307-034-200-0014	GAS			200000	130000		200000											
COMPUTER FACILITY	BOILER	BOILER	Smith	19A-SW-05		GAS			725 MBH			725000		Y	Industrial Combustion	FPG-7	56546-1					1000BTU/ft	

Table WD4

Air Emission Source Survey

Boiler/Heater/Burner

Date: **7/11/2017**
Surveyors: **Abbie Zorn, Hannah Buckley, Hunter Davis**
Facility Name: **Westfield**
Armorer: **Frank Martinez**

			Boiler/Heater												Burner								
Location	Emission Source Name	Type (Boiler, Water Heater, Forced Air Furnace)	Make	Model	Serial Number	Fuel Type (Oil/Gas)	Oil Max (gph)	Oil Min (gph)	Gas Max (btu/hr or cfm)	Gas Min (btu/hr or cfm)	Boiler Design Capacity Heat Input Capacity Max Oil (btu/hr)	Boiler Design Capacity Heat Input Capacity Max Gas (btu/hr)	If no Serial Number, Number of Sections	Has stand alone burner? (Y/N)	Make	Model	Serial Number	Burner Heat Input Capacity Max Oil (btu/hr)	Burner Heat Input Capacity Max Gas (btu/hr)	Oil Max (gph)	Oil Min (gph)	Gas Max (btu/hr or cfm)	Gas Min (btu/hr or cfm)
ARMORY	BOILER 1 'Leader'	BOILER	Crest	FBN2000	J11H00048228	Natural Gas	Unknown	Unknown	1999999	80000	N/A	1999999	Unknown	N	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
ARMORY	BOILER 2 'Slave'	BOILER	Crest	FBN2000	J11H00048224	Natural Gas	Unknown	Unknown	1999999	80000	N/A	1999999	Unknown	N	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
FMS	BOILER	BOILER	Flexaire	SDF-40-0FU	891-426	Oil	3.6	Unknown	500000	400000	504000	500000	Unknown	Y	Beckett	SP	Unknown	910000	N/A	6.5	910000	Unknown	Unknown

Table WE4

Air Emission Source Survey

Boiler/Heater/Burner

Date: 7/11/2017
Surveyors: Abbie Zorn, Hannah Buckley, Hunter Davis
Facility Name: Woodbridge
Armorer: Frank Martinez

			Boiler/Heater												Burner								
Location	Emission Source Name	Type (Boiler, Water Heater, Forced Air Furnace)	Make	Model	Serial Number	Fuel Type (Oil/Gas)	Oil Max (gph)	Oil Min (gph)	Gas Max (btu/hr or cfm)	Gas Min (btu/hr or cfm)	Boiler Design Capacity Heat Input Capacity Max Oil (btu/hr)	Boiler Design Capacity Heat Input Capacity Max Gas (btu/hr)	If no Serial Number, Number of Sections	Has stand alone burner? (Y/N)	Make	Model	Serial Number	Burner Heat Input Capacity Max Oil (btu/hr)	Burner Heat Input Capacity Max Gas (btu/hr)	Oil Max (gph)	Oil Min (gph)	Gas Max (btu/hr or cfm)	Gas Min (btu/hr or cfm)
ARMORY 118	Boiler 1	BOILER	H.B. Smith	340-1	NJ045226-0719	Natural Gas	Unknown	Unknown	Unknown	Unknown	N/A	N/A	13	Y	Webster	JB1C-05-EPD170-MP-UL/FM/IRI	U78810A-1-11-05	1967000	197200	14.05	9	197200	116000
ARMORY 118	Boiler 1	BOILER	H.B. Smith	340-1	NJ045227-07H	Natural Gas	Unknown	Unknown	Unknown	Unknown	N/A	N/A	13	Y	Webster	JB1C-05-EPD170-MP-UL/FM/IRI	U78810A-2-11-05	1967000	197200	14.05	9	197200	116000

Table WY4

Air Emission Source Survey

Boiler/Heater/Burner Table WY4

Date: 6/27/2017
Surveyors: Devin Walker, Rosalie Hood, Jonathan McKinnon
Armory Name: Woodbury
Armorer: Sam Delpidio

			Boiler/Heater												Burner								
Location	Emission Source Name	Type (Boiler, Water Heater, Forced Air Furnace)	Make	Model	Serial Number	Fuel Type (Oil/Gas)	Oil Max (gph)	Oil Min (gph)	Gas Max (btu/hr or cfm)	Gas Min (btu/hr or cfm)	Boiler Design Capacity Heat Input Capacity Max Oil (btu/hr)	Boiler Design Capacity Heat Input Capacity Max Gas (btu/hr)	If no Serial Number, Number of Sections	Has stand alone burner? (Y/N)	Make	Model	Serial Number	Burner Heat Input Capacity Max Oil (btu/hr)	Burner Heat Input Capacity Max Gas (btu/hr)	Oil Max (gph)	Oil Min (gph)	Gas Max (btu/hr or cfm)	Gas Min (btu/hr or cfm)
ARMORY	BOILER	BOILER	H.B. Smith Co.	Mill's Water Tube Boiler Series 44	NJ000045186H	OIL	N/A	N/A	N/A	N/A	N/A	N/A	13	Y	Preffered Utilities Engineering	BHE 20 3M4	29966	2800000	N/A	20 gph	N/A	N/A	N/A
		HOT WATER HEATER	Energy Saver	FSG 100 230	FSG-100-J00N010000	NATURAL GAS	N/A	N/A	75000	N/A	N/A	75000	N/A	N	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Table WN4

Air Emission Source Survey

Boiler/Heater/Burner

Date: **6/21/2017**
Surveyors: **Devin Walker, Rosalie Hood, Jonathan McKinnon**
Armory Name: **Woodburry**
Armorer: **Todd Vecchione**

			Boiler/Heater										Burner								
Location	**Emission Source Name**	**Type (Boiler, Water Heater, Forced Air Furnace)**	**Make**	**Model**	**Serial Number**	**Fuel Type (Oil/Gas)**	**Oil Max (gph)**	**Gas Max (btu/hr or cfm)**	**Boiler Design Capacity Heat Input Capacity Max Oil (btu/hr)**	**Boiler Design Capacity Heat Input Capacity Max Gas (btu/hr)**	**If no Serial Number, Number of Sections**	**Has stand alone burner? (Y/N)**	**Make**	**Model**	**Serial Number**	**Burner Heat Input Capacity Max Oil (btu/hr)**	**Burner Heat Input Capacity Max Gas (btu/hr)**	**Oil Max (gph)**	**Oil Min (gph)**	**Gas Max (btu/hr or cfm)**	**Gas Min (btu/hr or cfm)**
ARMORY ROOF	HEATING	HEATER	Rheem	L0CTDM 100	G106-479//K2631	OIL	N/A	1250000	N/A	1250000	N/A		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
ARMORY	BOILER	BOILER	Weil-McLain	model 94	series 3	NaTURAL GAS	16.65	2450 mbh	2331000	2450000	N/A	Y	Power Flame	CR3-GO-20	81142745	2450000	4200000	17.5	7.4	2526MBH	900MBH
ARMORY	BOILER	BOILER	Weil-McLain	model 94	series 3	NaTURAL GAS	16.65	2450 mbh	2331000	2450000	N/A	Y	Power Flame	CR3-GO-20	81142746	2450000	4200000	17.5	7.4	2526MBH	900MBH
ARMORY	HOT WATER HEATER	HOT WATER HEATER	Bradford White	MI70L3GF10	YH 1940163	OIL	1	140000	140000	140000	N/A		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Table 5

Emergency Generator Data

Table AY5

Air Emission Source Survey

Emergency Generator Table AY5

Date: 5/22/2017
Surveyors: Devin Walker, Rosalie Hood, Jonathan McKinnon
Armory Name: Atlantic City
Armorer: Jake Falana

Entire Unit									Engine								Alternator		
Location	Emission Source Name	Make	Model	Serial Number	Fuel Type	Year Made	Total Hours	Installation Date	Make	Model	Serial Number	Fuel Consumption Rate	Horsepower	KW	Year Made	Displace-ment	Make	Model	Serial Number
Armory	Generator	Cummins	DGCB-5563184	F020382968	Diesel	2002	407.8	N/A	Cummins	4BT3.9-G4	46219607	87 mm3/st	93/69 at 1800 rpm	60	2002	N/A	N/A	N/A	N/A
										hrs/yr	26.15443817	12.6 gph							

Table BT5

Air Emission Source Survey

Emergency Generator

Date:
Surveyors: Rosalie Hood, and Jon Mckinnon
Facility Name: Bordentown
Armorer: Sam DelPidio

Entire Unit									Engine								Alternator		
Location	Emission Source Name	Make	Model	Serial Number	Fuel Type	Year Made	Total Hours	Installation Date	Make	Model	Serial Number	Fuel Consumption Rate	Horsepower	KW	Year Made	Displacement	Make	Model	Serial Number
OMS	PORTABLE GENERATOR		PWS0416061	PWS0416085															

Table FX5

Air Emission Source Survey

Emergency Generator

Date: 24-Jul
Surveyors: Jon, Rose, Devin
Facility Name: Fort Dix
Armorer: Scott Reddler

Entire Unit									Engine								Alternator		
Location	Emission Source Name	Make	Model	Serial Number	Fuel Type	Year Made	Total Hours	Installation Date	Make	Model	Serial Number	Fuel Consumption Rate	Horsepower	KW	Year Made	Displacement	Make	Model	Serial Number
Building 3650	EMERGENCY GENERATOR	Caterpillar	SR4B	AFN01268			296		Caterpillar	3412		51.9		750	2005				

Table LH5

Air Emission Source Survey

Emergency Generator

Date: June 13, 2017
Surveyors: Bill, Anj,Devin, Rose, Jin, Hannah, Hunter
Armory Name: Lakehurst
Armorer: David Lohman

Entire Unit									Engine								Alternator		
Location	Emission Source Name	Make	Model	Serial Number	Fuel Type	Year Made	Total Hours	Installation Date	Make	Model	Serial Number	Fuel Consumption Rate (gal/hr)	Horsepower	KW	Year Made	Displacement	Make	Model	Serial Number
CSMS	GENERATOR/ WELDER	Miller	BOBCAT 250	790000459	Gasoline	5/4/2007	unkn		Kubota	D722	7F0235	0.92	23.5	12					
OUTSIDE	GENERATOR	Generac	10054360200	2099375	GAS	8/28/2008	718			N/A	N/A	N/A	300						
OUTSIDE	Generator	Generac	10054360200	2099375	GAS	8/28/2008	718		Generac	N/A	N/A	N/A	300						
OUTSIDE AASF	POWER GENERATOR	Cummins	DFEK-1341736	L13060236	DIESEL	12/4/2013	54.4		Cummins	QSX15-G9	79700286	34.4	755	500	13-Nov		Stamford	XFVM63A	M13K457256
AASF	GENERATOR 2	Cummins	DFEH-1341735	L130602237	DIESEL	12/4/2013	51.9		Cummins	QSX15-G9	38018148	27.3	755	400	13-Nov		Cummins	HCI534C1	M13K467958
CSMS	Generator	Generac		N/A	Nat Gas	2007	unkn-bad board					22.1	480	300					

Table LI5

Air Emission Source Survey

Emergency Generator

Date: 8/2/2017
Surveyors: Bill McBride, Hannah Buckley, and Hunter Davis
Armory Name: Lodi
Armorer: Frank Martinez

Entire Unit									Engine								Alternator		
Location	Emission Source Name	Make	Model	Serial Number	Fuel Type	Year Made	Total Hours	Installation Date	Make	Model	Serial Number	Fuel Consumption Rate	Horsepower	KW	Year Made	Displacement	Make	Model	Serial Number
Outside Armory	Generator	Olympian	N/A	N/A	N/A	N/A	10.4 hrs	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Table PN5

Air Emission Source Survey

Emergency Generator

Date: 7/12/2017
Surveyors: Anjelica McMahone, Rosalie Hood and Jon Mckinnon
Armory Name: Princeton Warehouse
Armorer:

Entire Unit									Engine								Alternator		
Location	Emission Source Name	Make	Model	Serial Number	Fuel Type	Year Made	Total Hours	Installation Date	Make	Model	Serial Number	Fuel Consumption Rate	Horse power	KW	Year Made	Displacement	Make	Model	Serial Number
WAREHOUSE/ STATE POLICE	EMERGENCY GENERATOR	Techstar50	L634D-I/10144B	C863994295	DIESEL	N/A	398.65 1/10	1986	N/A	N/A	N/A	5	67	50	N/A	N/A	N/A	N/A	N/A

Table ST5

Air Emission Source Survey

Emergency Generator

Date: 5/23/2017
Surveyors: Bill, Devin, Rose, Jon, Hunter, Hannah
Facility Name: Sea Girt
Armorer:

Entire Unit									Engine								Alternator		
Location	Emission Source Name	Make	Model	Serial Number	Fuel Type	Year Made	Total Hours	Installation Date	Make	Model	Serial Number	Fuel Consumption Rate	Horsepower	KW	Year Made	Displacement	Make	Model	Serial Number
BUILDING 2	GENERATOR	CATERPILLAR	3208	30A03210	DIESEL	N/A	1100	1988	CATERPILLAR	3208	30A03210	19.42 gal/hr	269	200	N/A	N/A	CATERPILLAR	SR4	6JA02054
BUILDING 2	GENERATOR	CATERPILLAR	3208	30A03203	N/A	N/A	975	1988	CATERPILLAR	3208	30A03203	19.42 gal/hr	269	N/A	N/A	CATERPILLAR	SR 4	6JA02050	N/A
NEW Building	NEW GENERATOR	KOHLER	750RE0ZMD	SGM32JHWW	N/A	12.2016	0-NEW	N/A	MITSHUBISHI	S12A2Y2PTAW2	28842	64.7	N/A	900	42795	KOHLER	5M4034BF	NT00451750317	N/A
NEW Building	NEW GENERATOR	KOHLER	750RE0ZMD	SGM32JHWX	N/A	1.2017	0-NEW	N/A	MITSHUBISHI	S12A2Y2PTAW2	28855	64.7	N/A	900	42736	KOHLER	5M4034BF	MT00445660317	N/A
BLDG 73	GENERATOR	Cummins	4048K401	A140629516	NATURAL GAS	N/A	62.1 hrs	2/4/14	Cummins	4G64S4M	SNB1931	N/A	N/A	N/A	N/A	1.43 cid	Cummins	N/A	G13K475440
Crime Lab	Generator	Onan	15.0JC-4R/17200AA	I790446967	NATURAL GAS	1977	1563.9	1977				255 scf/hr		15					

Table SS5

Air Emission Source Survey

Emergency Generator

Date: **7/12/2017**

Surveyors: **Bill McBride, Anjelica McMahon, Devin Walker, Hannah Buckley, Rosalie Hood, Jon Mckinnon and Hunter Davis.**

Facility Name: **Somerset Armory**

Armorer: **Llewelyn Charles**

Entire Unit									Engine								Alternator		
Location	Emission Source Name	Make	Model	Serial Number	Fuel Type	Year Made	Total Hours	Installation Date	Make	Model	Serial Number	Fuel Consumption Rate	Horse power	KW	Year Made	Displacement	Make	Model	Serial Number
OUTSIDE ARMORY	GENERATOR	Cummins	DGDA-5565987	H020398405	DIESEL	Aug 2002	2451	N/A	Cummins	6BT5.9-G6	46240758	6.1	155	115	N/A	N/A	N/A	N/A	N/A

Table WO5

Air Emission Source Survey

Emergency Generator

Date: **7/27/2017**

Surveyors: **Anjelica McMahon, Devin Walker, Hannah Buckley, Rosalie Hood, Jon Mckinnon and Hunter Davis**

Armory Name: West Orange

Armorer: **Raul Chacon**

Entire Unit									Engine								Alternator		
Location	Emission Source Name	Make	Model	Serial Number	Fuel Type	Year Made	Total Hours	Installation Date	Make	Model	Serial Number	Fuel Consumption Rate (gph)	Horse power	KW	Year Made	Displacement	Make	Model	Serial Number
ARMORY Outside	GENERATOR	Kohler	80RE0ZJB	2056258	Diesel	N/A	319.5	date 7/15/05	John Deer	4045TF250	PE4045T492525	6.4	102	N/A	N/A	N/A	Radiator Specialists	GM 29698	N/A

Table 6

Storage Tank Data

Table CY6

Air Emission Source Survey

Storage Tank

Date: **6/22/2017**
Surveyors: **Devin Walker, Rosalie Hood, Jonathan McKinnon**
Facility Name: **Cape May**
Armorer: **Steve Allay**

Location	Emission Source Name		Make	Model	Serial Number	Fuel Type	Gallons	Annual Throughput	Aboveground or Underground?	Color of Tank	VOC Emissions (tons/yr) WL	VOC Emissions (tons/yr) BL	Tank Dimensions Entered in Tanks 4.0.9d
FMS	STORAGE TANK (1)	CY1	N/A	N/A	N/A	HEATING OIL	2000	1877.288889	ABOVE GROUND	White	0.3	0.28	15 x 5
ARMORY	STORAGE TANK	CY2	N/A	N/A	N/A	FUEL OIL	7000	6570.511111	ABOVE GROUND	White	0.11	1.12	N/A

2016 Total Fuel Usage	8,447.80

Table CL6

Air Emission Source Survey

Storage Tank

Date: **6/29/2017**

Surveyors: **Devin Walker, Rosalie Hood, Jonathan McKinnon**

Site: **Cherry Hill**

Armorer: **Ed Torres**

Location	Emission Source Name	Make	Model	Serial Number	Fuel Type	Gallons	Annual Throughput	VOC Emissions (tons/yr) WL	VOC Emissions (tons/yr) BL
MSVB	STORAGE TANK (CL1)	ABOVE GROUND	WHITE	N/A	OIL	1500	1,550.00	0.03	0.21

Table DR6

Air Emission Source Survey

Storage Tanks

Date: **6/22/2017**
Surveyors: **Bill McBride, Hannah Buckley, Hunter Davis**
Armory Name: **Dover**
Armorer: **Charles Rissmiller**

Location	Emission Source Name	Aboveground or Underground?	Color of Tank	Make	Model	Serial Number	Fuel Type	Gallons	Annual Throughput	VOC Emissions (tons/yr) WL	VOC Emissions (tons/yr) BL	
ARMORY OUTSIDE	PROPANE TANK	Aboveground	White	Precision Propane	Unknown	Unknown	Propane	Unknown	Unknown	Unknown	Unknown	Not in use
FMS OUTSIDE (DR1LK)	OIL TANK	Aboveground	White	Unknown	Unknown	Unknown	OIL	1500	Unknown	0	0.2	

Table FRN6

Air Emission Source Survey

Storage Tank

Date: **6/28/2017**

Surveyors: **Sarah Helble, Hannah Buckley, Hunter Davis**

Facility Name: **Franklin**

Armorer: **Charles Rissmiller**

Location	Emission Source Name	Aboveground or Underground?	Color of Tank	Make	Model	Serial Number	Fuel Type	Gallons	Annual Throughput
ARMORY OUTSIDE	STORAGE TANK	Above	White	Highland tank	MH5086-2	A60875188	OIL	1500	N/A

Table FD6

Air Emission Source Survey

Storage Tank

Date: **7/11/2017**

Surveyors: **Devin Walker, Rosalie Hood, Jonathan McKinnon**

Facility Name: **Freehold**

Armorer: William Homeyer

Location	Emission Source Name	Aboveground or Underground?	Color of Tank	Make	Model	Serial Number	Fuel Type	Gallons	Annual Throughput	VOC Emissions (tons/yr) WL	VOC Emissions (tons/yr) BL
ARMORY	STORAGE TANK	ABOVE	WHITE	Morrison Bros	N/A	N/A	OIL	1500 gallons	1501 gallons	0.14	0.2

Table HN6

Air Emission Source Survey

Storage Tank

Date: **6/27/2017**

Surveyors: **Bill McBride, Hannah Buckley, Hunter Davis**

Facility Name: **Hackettstown**

Armorer: **Charles Rissmiller**

Propane tank outside

Location	Emission Source Name	Make	Model	Serial Number	Fuel Type	Gallons	Annual Throughput	VOC Emissions (tons/yr) WL	VOC Emissions (tons/yr) BL
Armory	UST	N/A	N/A	N/A	oil	5000	N/A	0.08	0
Armory	AST for hot water heater	N/A	N/A	N/A	oil	275	N/A	0.01	0.04
Armory	Propane tank for boiler pilot	N/A	N/A	N/A	propane	80lb	N/A	N/A	N/A

Table LH6

Air Emission Source Survey

Storage Tank

Date: **June 13, 2017**
Surveyors: **Bill, Anj,Devin, Rose, Jin, Hannah, Hunter**
Armory Name: **Lakehurst**
Armorer: **David Lohman**

Location	Emission Source Name	Aboveground or Underground?	Color of Tank	Make	Model	Serial Number	Fuel Type	Gallons	Annual Throughput
CLTF	used antifreeze	Aboveground	pink	modern welding co.	N/A	a-401514	used antifreeze	1000	N/A
CLTF	used oil	Aboveground	pink	modern welding co.	N/A	a-401513	used oil	1000	N/A
UTES	used antifreeze	Aboveground	pink	highland tank	N/A	mh5086-2	used antifreeze	1000	N/A
UTES	used oil	Aboveground	pink	highland tank	N/A	mh5086-2	used oil	1000	N/A

Table LE6

Air Emission Source Survey

Storage Tank

Date: **June 20, 2017**

Surveyors: **Bill, Anjelica, Devon, Hannah, Rosalie**

Facility Name: **Lawrenceville**

Armorer: **Joe Lech**

Location	Emission Source Name	Aboveground or Underground?	Color of Tank	Make	Model	Serial Number	Fuel Type	Gallons	Annual Throughput	Emissions (tons/yr) WL	Emissions (tons/yr) BL
ARMORY - Mike's Office	STORAGE TANK (LE1)	Aboveground	White	N/A	1436735	MH5086-2	OIL	1000	N/A	0.01	0.02
Armory- Bart's office	Storage Tank (LE2)	Aboveground	White	N/A	N/A	N/A	oil	500	N/A	0.01	0.08
DMAVA metal storage bldg (TAG tank)	heater storage tank (LE3)	Aboveground	White	N/A	N/A	N/A	Gasoline	2000	2983	N/A	N/A
DMAVA inside metal storage bldg	storage tank (LE4)	Aboveground	Black	GRANBY	204201	S301367	DIESEL	275	550	0.01	0.1
Djdept of treasury	STORAGE GAS TANK	Aboveground	Gray (rock)	ConVault	RN 4000 3SF	N21252	Gasoline	4000	N/A	N/A	N/A
DMAVA - fire pump	STORAGE DIESEL TANK (LE6)	Aboveground	Red	WE-MAC Manufacturing Company	K001	718360	DIESEL	18.85	.10455156	N/A	N/A

Table OU6

Air Emissions Sheets

Storage Tank

Date: **8/8/2017**
Surveyors: **Devin Walker, Rosalie Hood, Jon Mckinnon**
Armory Name: **Old UTES**
Armorer: **Sam Delpidio**

Location	Emission Source Name	Aboveground or Underground?	Color of Tank	Make	Model	Serial Number	Fuel Type	Gallons	Annual Throughput	
N/A	N/A	AST	N/A	N/A	N/A	N/A	Diesel	10000	0	*Removed. Not included in PTE or Actual calculations
Old UTES	N/A	AST	White	Highland	N/A	N/A	Heating Oil	10000	9000	*Installed Sept 2017

Table PY6

Air Emission Source Survey

Storage Tank

Date: **6/19/2017**

Surveyors: **Bill McBride, Hannah Buckley, Hunter Davis**

Armory Name: **Picatinny**

Armorer: **Charles Rissmiller**

Location	Emission Source Name	Aboveground or Underground?	Color of Tank	Make	Model	Serial Number	Fuel Type	Gallons	Annual Throughput (gal)	Emissions (tons/yr) WL	Emissions (tons/yr) BL
STORAGE TANK	Picatinny AST1	ABOVE	White	N/A	N/A	N/A	Diesel	10000	13,970	0.25	1.35
STORAGE TANK	Picatinny AST2	ABOVE	White	N/A	N/A	N/A	Diesel	10000	13,970	0.25	1.35
STORAGE TANK	ABOVE	ABOVE	White	N/A	N/A	N/A	Diesel	10000	0	0	0

Table PN6

Air Emission Source Survey

Storage Tank

Date: **7/12/2017**
Surveyors: **Anjelica McMahone, Rosalie Hood and Jon Mckinnon**
Armory Name: **Princeton**
Armorer: **Sam DelPidio**

Location	Emission Source Name	Aboveground or Underground?	Color of Tank	Make	Model	Serial Number	Fuel Type	Gallons	Annual Throughput	VOC Emissions (tons/yr) WL	VOC Emissions (tons/yr) BL
WAREHOUSE/STATE POLICE	STORAGE TANK	ABOVEGROUND	WHITE	N/A	N/A	N/A	Oil	2000	N/A	0.03	0.28
WAREHOUSE/STATE POLICE	STORAGE TANK (PN2)	ABOVEGROUND	WHITE	N/A	N/A	N/A	Diesel	500	12.61 hrs/yr, 5 gal/hr, 63.05 gal/yr, installed 1986	N/A	0.08

Table RE6

Air Emission Source Survey

Storage Tanks

Date: **6/28/2017**

Surveyors: **Sarah Helble, Hannah Buckley, Hunter Davis**

Armory Name: **Riverdale**

Armorer: **Charles Rissmiller**

Location	Emission Source Name	Aboveground or Underground?	Color of Tank	Make	Model	Serial Number	Fuel Type	Gallons	Annual Throughput	VOC Emissions (tons/yr) WL	VOC Emissions (tons/yr) BL
FMS OUTSIDE	STORAGE TANK	Above	White	Hoover Containment Inc.	UL 2085	225371	OIL	2000	Unknown	0	0.27

Table ST6

Air Emission Source Survey

Storage Tank

Date: **5/23/2017**
Surveyors: **Bill, Devin, Rose, Jon, Hunter, Hannah**
Facility Name: **Sea Girt**
Armorer: **Joseph Landree**

Location	Emission Source Name	Aboveground or Underground?	Color of Tank	Make	Model	Serial Number	Fuel Type	Gallons	Annual Throughput	Emissions (tons/yr) Working Loss	Emissions (tons/yr) Breathing Loss		VOC Emissions (tons/yr) WL	VOC Emissions (tons/yr) BL
NEW Building	NEW GENERATOR ST1	N/A	N/A	HIGHLAND	A61025514	36870	*DIESEL*	1200	0	0	0.0001	NEW GENS	0	0.2
NEW Building	NEW GENERATOR ST2	N/A	N/A	HIGHLAND	AG1028813	36869	*DIESEL*	1200	0	0	0.0001	NEW GEN	0.04	0.13
bldg 59	Gasoline /diesel dispensing pump	Aboveground	white	convault	wrne 1000 3s	s 948462	gas\diesel	1000\1000	1656/1964	0.005675/0.0002	0.052905/0.00005	13582\3033	11.35	105.81
Old FMS - 36	N/A	Aboveground	white	N/A	N/A	N/A	Diesel	2000	3289.982935	0.00003	0.000135	63384 gal: 4/3/2018. Installed 1999	0.06	0.27

Table SS6

Air Emission Source Survey

Storage Tank

Date: **7/12/2017**

Surveyors: **Bill McBride, Anjelica McMahon, Devin Walker, Hannah Buckley, Rosalie Hood, Jon Mckinnon and Hunter Davis.**

Facility Name: **Somerset Armory**

Armorer: **Llewelyn Charles**

Location	Emission Source Name	Aboveground or Underground?	Color of Tank	Make	Model	Serial Number	Fuel Type	Gallons	Annual Throughput	VOC Emissions (tons/yr) WL	VOC Emissions (tons/yr) BL
OutsideFMS	Storage Tank	Above	White	Hoover Vault Tank	N/A	N/A	oil	2000	499.3	0.01	0.27

Table TR6

Air Emission Source Survey

Storage Tank

Date: **7/11/2017**

Surveyors: **Devin Walker, Rosalie Hood, Jonathan McKinnon**

Armory Name: **Toms River**

Armorer: **Mike Reeves**

Location	Emission Source Name	Aboveground or Underground?	Color of Tank	Make	Model	Serial Number	Fuel Type	Gallons	Annual Throughput	Emissions (tons/yr)		VOC Emissions (tons/yr) WL	VOC Emissions (tons/yr) BL
MVSB	AST	ABOVEGROUND	WHITE	N/A	N/A	N/A	Oil	275	0	0	not in use	0	0.04
UTMB	AST	ABOVEGROUND	WHITE	CONVOLT	SPECIAL	13135465	Oil	1000	0	0	not in use	0	0.13

Table VD6

Air Emission Source Survey

Storage Tank

Date: **5/11/2017**

Surveyors: **Bill McBride, Anjelica McMahon, Devin Walker, Hannah Buckley, Rosalie Hood, Jon Mckinnon and Hunter Davis**

Armory Name: **Vineland**

Armorer: **Phillip Fiore**

Location	Emission Source Name	Aboveground or Underground?	Color of Tank	Make	Model	Serial Number	Fuel Type	Gallons	Annual Throughput	VOC Emissions (tons/yr) WL	VOC Emissions (tons/yr) BL
FMS	STORAGE TANK	ABOVE GROUND	N/A	Empro	1500	N/A	oil	1500	4168.9	0.07	0.21

Table WT6

Air Emission Source Survey

Storage Tank

Date: **6/27/2017**

Surveyors: **Bill McBride, Hannah Buckley, Hunter Davis**

Facility Name: **Washington**

Armorer: **Charles Rissmiller**

Location	Emission Source Name	Make	Model	Serial Number	Fuel Type	Gallons	Annual Throughput	VOC Emissions (tons/yr) WL	VOC Emissions (tons/yr) BL
Armory	AST - #2 heating oil (WN1)	N/A	N/A	N/A	oil	4000	N/A	0.22	0.53
Armory	Heating oil for water heater (WN2)	N/A	N/A	N/A	oil	275	N/A	0.02	0.04
Armory	Propane tank for boiler pilot (WN3)	N/A	N/A	N/A	propane	80lb	N/A	N/A	N/A

Table WD6

Air Emission Source Survey

Storage Tank

Date: **7/11/2017**

Surveyors: **Abbie Zorn, Hannah Buckley, Hunter Davis**

Facility Name: **Westfield**

Armorer: **Frank Martinez**

Location	Emission Source Name	Aboveground or Underground?	Color of Tank	Make	Model	Serial Number	Fuel Type	Gallons	Annual Throughput	Emissions WL tons/yr	Emissions BL (tons/yr)
OUTSIDE ARMORY	Storage tank	Above	White	Highland Tank	Unknown	14617	Diesel	4000	25883.5 gal as of 4/18/2018	0	0.27
OUTSIDE FMS	Storage tank	Above	White	Unknown	Unknown	Unknown	Oil	2000	Unknown	0	0.27

Table WN6

Air Emission Source Survey

Storage Tank

Date: **6/21/2017**

Surveyors: **Devin Walker, Rosalie Hood, Jonathan McKinnon**

Armory Name: **Woodburry**

Armorer: **Todd Vecchione**

Location	Emission Source Name	Aboveground or Underground?	Color of Tank	Make	Model	Serial Number	Fuel Type	Gallons	Annual Throughput	VOC Emissions (tons/yr) WL	VOC Emissions (tons/yr) BL
ARMORY	STORAGE TANK	ABOVE	WHITE	N/A	N/A	N/A	HEATING OIL	6000	2,999.90	0.05	0.85

Table 7

Paint Emissions Data

Table LH7

Air Emission Source Survey

Paint

Date: **June 13, 2017**
Surveyors: **Bill, Anj,Devin, Rose, Jin, Hannah, Hunter**
Armory Name: **Lakehurst**
Armorer: **David Lohman**

Location	Emission Source Name	Source (Booth, Paint Gun, Gun Cleaner, and Rattle Cans)	Make	Model	Serial Number	Type of Gun Cleaner Solvent	VOC Content	NSN Number	Quantity
AASF	PAINT GUN	PAINT GUN	Blue-Point	H16A	N/A	N/A	N/A	N/A	N/A
AASF	PAINT GUN	PAINT GUN	Warwick	9804	140506019	WATER ACETONE	N/A	N/A	14 OZ X 3
AASF	PAINT	PAINT	Hentzen	16931GWU	N/A	N/A	N/A	N/A	10 X 16 OZ + 2 GAL
AASF	PAINT	PAINT	PGG Aerospace	02-Y-040A	N/A	N/A	28.5 G/L	N/A	5 GAL+ 10QRT X 28.5 G/L
HANGAR	PAINT	PAINT	sandstrom	s-749	9150-01-260-2534	N/A	N/A	N/A	16 OZ X 3
HANGAR	TECH PETROLATUM	N/A	PENRECO	VV-P-236	N/A	N/A	N/A	N/A	8 X 1QT

Table 8

Woodworking Operations Data

Table LH8

Air Emission Source Survey

Wood Working

Date: **June 13, 2017**
Surveyors: **Bill, Anj,Devin, Rose, Jin, Hannah, Hunter**
Armory Name: **Lakehurst**
Armorer: **David Lohman**

		Dust Collector		Amount of Wood Processed				
Location	Emission Source Name	Make	Model	Serial Number	Pine	Oak	Plywood	Cedar
CLTF-CSMS	N/A	DONALDSON TORIT	N/A	N/A	N/A	N/A	N/A	N/A

Table ST8

Air Emission Source Survey

Wood Working

Date: **5/23/2017**

Surveyors: **Bill, Devin, Rose, Jon, Hunter, Hannah**

Facility Name: **Sea Girt**

Armorer: **Joseph Landree**

		Dust Collector		Amount of Wood Processed				
Location	Emission Source Name	Make	Model	Serial Number	Pine	Oak	Plywood	Cedar
BUILDING 59	dust collector	JAT Equipment Tools	dc-1200	200939	N/A	N/A	N/A	N/A
BUILDING 59	dust collector	Sears/Craftrman	113.29978	93082 a046	N/A	N/A	N/A	N/A

Table 9

Welding Operations Data

Table FX9

Air Emission Source Survey

Welding

Date: **7/24/2017**
Surveyors: **Jon, Rose, Devin**
Facility Name: **Fort Dix**
Armorer: **Scott Reddler**

		Welding Equipment			Amount and Type of Welding Rod										
Location	Emission Source Name	Make	Model	Serial Number	Type of Rod	SCC#	Amount of Rod Used per Year	Type of Rod	SCC#	Amount of Rod Used per Year	Type of Rod		Amount of Rod Used per Year	Type of Rod	Amount of Rod Used per Year
N/A	DUST HOOD	MICRO AIR	TM1000	55037	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	SMAW: 7018 (electrode type 44)	3-09-051-44	200LBS	6010 (electrode type 28)	3-09-051-28	100LBS	312-Stainless Steel	3-09-052-20*	50lbs	N/A	N/A
N/A	N/A	N/A	N/A	N/A	GTAW:4043 Aluminum	3-09-052-26*	50 lbs	5356 Aluminum	3-09-052-26*	50 lbs	347 stainless steel	3-09-052-20*	100 lbs	N/A	N/A
N/A	N/A	N/A	N/A	N/A	GMAE: 70M6 Solid Steel Wire	3-09-051-44*	300 lbs	71T Flux Core (electrode type 55)	3-09-053-55	100 lbs	oxy-acy 60R Steel	3-09-051-44*	30 lbs	N/A	N/A
3661	Welder	Miller	Millermatic 252	MH180048N	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
3661	Welder	Miller	Millermatic 252	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
3661	Welder	Miller	Millermatic 200	LG140935	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
3661	Welder	Miller	Millermatic 251	LG152249B	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
3661	Welder	Miller	SYNCROWAVE 20	LG1409181	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
3661	Welder	Miller	Millermatic 200	LGT04924	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
3661	Welder	Miller	SYNCROWAVE 350	LB2722015	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
3661	Welder	ESAB	PCM 875A	PG-3J617111	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
3661	Welder	Miller	Millermatic 140	LF141931	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
3661	Welder	Miller	SYNCROWAVE 350 LX	LG140067L	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
3661	WELDER	Miller	3431002354728	KK115762	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
3661	WELDER	Miller	343101C054270	LG140919	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
3661	WELDER	Miller	343101384527	LG13006	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
3661	WELDER	Miller	343101384527	LG14007	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
3661	WELDER	Miller	AHC-P	30	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
3661	WELDER	Miller	343301C017722	LG080276P	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
3661	WELDING STATION	MILLER	SYNCROWAVE 350 LX 3431002354728	KK202873	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
3661	WELDING STATION	MILLER	SYNCROWAVE 250 DX 3431014730527	LG130070L	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
3661	WELDING STATION	MILLER	SYNCROWAVE 350 LX 3431002354728	KK107675	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Table LH9

Air Emission Source Survey

Welding

Date: **June 13, 2017**
Surveyors: **Bill, Anj,Devin, Rose, Jin, Hannah, Hunter**
Armory Name: **Lakehurst**
Armorer: **David Lohman**

		Welding Equipment			Amount and Type of Welding Rod							
Location	Emission Source Name	Make	Model	Serial Number	Type of Rod	Amount of Rod Used per Year	Type of Rod	Amount of Rod Used per Year	Type of Rod	Amount of Rod Used per Year	Type of Rod	Amount of Rod Used per Year
		ESAB	PCM 875(A)	11490649	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
AASF	TABLE	Donaldson	21605	4058317 L1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
AASF	BAG HOUSE	Donaldson	DFO3-6	10000777-2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
B608	WELDER	Lincoln Electric	SQUARE WAVE TIG 335	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
CLTF CSMS	Welder	Miller	Millermatic 140 Auto-set	MD270568N	steel 6011/7018	50-75 rods per year	~1lb/rod	75 lb	34.019	N/A	N/A	N/A
CLTF CSMS	Welder	Miller	Millermatic 140 Auto-set	MD260451N	aluminum rods	4-5 rods per year	N/A	5 lb	2.27	N/A	N/A	N/A
	N/A	N/A	N/A	MD011331P	aluminum spool	30-40 spools per year	N/A	40 lb	18.14	N/A	N/A	N/A
CLTF CSMS	Welder	Miller	N/A	MD011331P	N/A	N/A	N/A	N/A	20.41	N/A	N/A	N/A
CLTF CSMS	Welder	Miller	Millermatic 252	MC330295N	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Table LE9

Air Emission Source Survey

Welding

Date: **June 20, 2017**
Surveyors: **Bill, Anjelica, Devon, Hannah, Rosalie**
Facility Name: **Lawrenceville**
Armorer: **Joe Lech**

		Welding Equipment			Amount and Type of Welding Rod							
Location	Emission Source Name	Make	Model	Serial Number	Type of Rod	Amount of Rod Used per Year	Type of Rod	Amount of Rod Used per Year	Type of Rod	Amount of Rod Used per Year	Type of Rod	Amount of Rod Used per Year
FMS other side	WELDER battery tester	Snap-on D-TAC	EECS306	0741A2068	20 gauge wire	N/A	N/A	N/A	N/A	N/A	N/A	N/A
FMS	WELDING MACHINE	Arc Equipment	LR-7395	RH709041	HARDLY USED SOME BRAZING	N/A	N/A	N/A	N/A	N/A	N/A	N/A
FMS	WELDING MACHINE	Arc Equipment	FP-125	500865*F10	20 GUAGE WIRE FEEDER	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Table PY9

Air Emission Source Survey

Welding

Date: **6/19/2017**

Surveyors: **Bill McBride, Hannah Buckley, Hunter Davis**

Armory Name: **Picatinny**

Armorer: **Charles Rissmiller**

	Welding Equipment				Amount and Type of Welding Rod							
Location	Emission Source Name	Make	Model	Serial Number	Type of Rod	Amount of Rod Used per Year	Type of Rod	Amount of Rod Used per Year	Type of Rod	Amount of Rod Used per Year	Type of Rod	Amount of Rod Used per Year
FMS	WELDER	Miller	907321	MA311119N	Wirefed	N/A	N/A	N/A	N/A	N/A	N/A	N/A
FMS	WELDER	ESAB	LR30071	PG-K004064	Wirefed	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Table 10

Sand Blasting Data

Table CY 10

Air Emission Source Survey

Sand Blasting

Date: **6/22/2017**

Surveyors: **Devin Walker, Rosalie Hood, Jonathan McKinnon**

Facility Name: **Cape May**

Armorer: **Steve Allay**

Location	Emission Source Name	Make	Model	Serial Number	Emissions Total (Tons/yr)
FMS	SAND BLASTER	Black Bull	SBCNNS	N/A	0

Table LH10

Air Emission Source Survey

Sand Blasting

Date: **June 13, 2017**
Surveyors: **Bill, Anj,Devin, Rose, Jin, Hannah, Hunter**
Armory Name: **Lakehurst**
Armorer: **David Lohman**

Location	Emission Source Name	Make	Model	Serial Number
BUILDING 801	BREATHING AIR PURIFIER	DOMNICK HUNTER	BA DMEO40	65603A

*Emissions not included in calculations

Table LE10

Air Emission Source Survey

Sand Blasting

Date: June 20, 2017

Surveyors: Bill, Anjelica, Devon, Hannah, Rosalie

Facility Name: Lawrenceville

Armorer: Joe Lech

Location	Emission Source Name	Make	Model	Serial Number	Emissions (tons/yr)
FMS(OTHER)	SAND BLASTER	Allsourcw	41800	N/A	0

Table 11

Emissions Source Inventory

Table AY11
Atlantic City Armory Emission Source Survey Inventory

Building Name	Source				Substance	Capacity		Permitting								Emissions Included in PTE Calculations
	Type	Manufacturer	SCC	Model		Amount	Units	Permit Required	Permitted Currently	Permit Type	Permit Expiration Date	Permit Accurate ?	Combustion Adjustment Required?	Most Recent Combustion Ajustment Date	Combustion Adjustment Expiration Date	
Armory	Boiler	H.B. SMITH	10300603	450L MILLS	Nat Gas	5,600,000	btu/hr	Y	Y	GP-018	4/12/2022	Y	Y	2/7/2019	2/7/2020	Y
Armory	Hot Water Heater	Bradford White Corporation	10300603	EF100T199E3N2	Nat Gas	199,999	btu/hr	N	N	N/A	N/A	N/A	N	N/A	N/A	Y
FMS	Furnace	ADAMS	10500206	ASO350	Nat Gas	350,000	btu/hr	N	N	N/A	N/A	N/A	N	N/A	N/A	Y
Armory	Generator	Cummins	20300101	DGCB-5563184	Diesel	60	KW	N	N	N/A	N/A	N/A	N	N/A	N/A	Y
Armory & FMS	VOC Containing Paint/ Solvent	Assorted	N/A	Assorted	Assorted paints/solvents	3,244	oz	N	N	N/A	N/A	N/A	N	N/A	N/A	Y
FMS	Parts Washer	Walker Special	N/A	1	VOC containing substance	100	gal	N	N	N/A	N/A	N/A	N	N/A	N/A	Y

Tabel BT11

Bordentown Armory Emission Source Survey Inventory

Building Name	Source				Substance	Capacity		Permitting								Emissions Included in PTE Calculations
	Type	Manufacturer	SCC	Model		Amount	Units	Permit Required	Permitted Currently	Permit Type	Permit Expiration Date	Permit Accurate ?	Combustion Adjustment Required?	Most Recent Combustion Ajustment Date	Combustion Adjustment Expiration Date	
OMS	BOILER	Aerco Modulex Ext Unical	10300603	MLX EXT 321	Nat Gas	321,000.00	btu/hr	N	N	N/A	N/A	N/A	N	N/A	N/A	Y
ARMORY	BOILER	Fulton Pulse Combustion	10300603	PHW-1000	Nat Gas	1,000,000	btu/hr	Y	Y	GP-017	05/07/2020	Y	N	N/A	N/A	Y
ARMORY	HOT WATER HEATER	AO Smith	10300603	BT 80 300	Nat Gas	75,100	btu/hr	N	N	N/A	N/A	N/A	N	N/A	N/A	Y
OMS	PORTABLE GENERATOR	N/A	20300101	PWS0416061	N/A	Not included in emissons	N/A	N	N	N/A	N/A	N/A	N	N/A	N/A	N
Armory/OMS	VOC Containg Paint/ Solvent	Assorted	N/A	Assorted	Assorted paints/solvents	1,298.00	oz	N	N	N/A	N/A	N/A	N	N/A	N/A	Y

Table BN11
Bridgeton Armory Emission Source Survey Inventory

Building Name	Source				Substance	Capacity		Permitting								Emissions Included in PTE Calculations
	Type	Manufacturer	SCC	Model		Amount	Units	Permit Required	Permitted Currently	Permit Type	Permit Expiration Date	Permit Accurate ?	Combustion Adjustment Required?	Most Recent Combustion Ajustment Date	Combustion Adjustment Expiration Date	
FMS	HEATER	Modine	10500206	PV 145AE0130	NATURAL GAS	145000	btu/hr	N	N	N/A	N	N/A	N/A	N/A	N/A	Y
FMS	HEATER	Modine	10500206	PV 145AE0130	NATURAL GAS	145000	btu/hr	N	N	N/A	N	N/A	N/A	N/A	N/A	Y
FMS	HEATER	Modine	10500206	PV 145AE0130	NATURAL GAS	145000	btu/hr	N	N	N/A	N	N/A	N/A	N/A	N/A	Y
FMS	FORCED AIR	Bryant	10500210	395CAV036070AGJA	PROPANE	66,000	btu/hr	N	N	N/A	N	N/A	N/A	N/A	N/A	Y

Table CY11
Cape May Armory Emission Source Survey Inventory

Building Name	Source				Substance	Capacity		Permitting								Emissions Included in PTE Calculations
	Type	Manufacturer	SCC	Model		Amount	Units	Permit Required	Permitted Currently	Permit Type	Permit Expiration Date	Permit Accurate ?	Combustion Adjustment Required?	Most Recent Combustion Ajustment Date	Combustion Adjustment Expiration Date	
MSVB	HOT WATER HEATER	A.O. Smith	10300603	BTH 150 100	NATURAL GAS	150,000	btu/hr	N	N	N/A	N/A	N/A	N	N/A	N/A	Y
ARMORY	BOILER	H.B. Smith Co	10300603	Mills Water Tube Boiler series 34	Gas	1,834,000.00	btu/hr	Y	Y	GP-017	5/20/2021	Y	N	N/A	N/A	Y
ARMORY	BOILER	H.B. Smith Co	10300603	Mills Water Tube Boiler series 35	Gas	1,834,000.00	btu/hr	Y	Y	GP-017	5/21/2021	Y	N	N/A	N/A	Y
FMS	FORCED AIR FURNACE	DORNBACK	10500206	S0 350	Nat Gas	350,000.00	btu/hr	N	N	N/A	N/A	N/A	N	N/A	N/A	Y
FMS	FORCED AIR FURNACE	DORNBACK	10500206	SO 230-5	Nat Gas	230,000.00	btu/hr	N	N	N/A	N/A	N/A	N	N/A	N/A	Y
DRIVE THROUGH BAY	IR HEATER	Space-Ray	10500206	N/A	Nat Gas	200,000.00	btu/hr	N	N	N/A	N/A	N/A	N	N/A	N/A	Y
DRIVE THROUGH BAY	IR HEATER	Space-Ray	10500206	N/A	Nat Gas	200,000.00	btu/hr	N	N	N/A	N/A	N/A	N	N/A	N/A	Y
FMS	STORAGE TANK (1)	N/A	2501000090/2501995090	N/A	HEATING OIL	2,000.00	Gal	N	N	N/A	N/A	N/A	N	N/A	N/A	Y
ARMORY	STORAGE TANK	N/A	2501000090/2501995090	N/A	FUEL OIL	7,000.00	Gal	N	N	N/A	N/A	N/A	N	N/A	N/A	Y
Armory & FMS	VOC Containing Paint/Solvent	N/A	N/A	N/A	Assorted paints/solvents	2,487.00	oz	N	N	N/A	N/A	N/A	N	N/A	N/A	Y
FMS	PARTSWASHER	Snap-On	N/A	PBC57A	Detergent	60.00	gal	N	N	N/A	N/A	N/A	N	N/A	N/A	N

Table CL11
Cherry Hill Armory Emission Source Survey Inventory

Building Name	Source				Substance	Capacity		Permitting								Emissions Included in PTE Calculations
	Type	Manufacturer	SCC	Model		Amount	Units	Permit Required	Permitted Currently	Permit Type	Permit Expiration Date	Permit Accurate ?	Combustion Adjustment Required?	Most Recent Combustion Ajustment Date	Combustion Adjustment Expiration Date	
MVSB	BOILER	Weil McLain	10300501	678 Boiler	Oil	559,000.00	btu/hr	N	N	N/A	N/A	N/A	N	N/A	N/A	Y
ARMORY	BOILER	Superior Boiler Works	10300603	SVFT-70-S15-WB-G	NATURAL GAS	2,929,000	btu/hr	Y	Y	GP-017A	8/16/2022	Y	N	N/A	N/A	Y
ARMORY	BOILER	Superior Boiler Works	10300603	SVFT-70-S15-WB-G	NATURAL GAS	2,929,000	btu/hr	Y	Y	GP-017A	8/16/2022	Y	N	N/A	N/A	Y
MSVB	STORAGE TANK (CL1)	Above Ground	2501000090/ 2501995090	WHITE	Oil	1,500.00	gal	N	N	N/A	N/A	N/A	N	N/A	N/A	Y
Armory	VOC Containing Paint/ Solvent	N/A	N/A	N/A	Assorted paints/solvents	1896	oz	N	N	N/A	N/A	N/A	N	N/A	N/A	Y

Table DR11
Dover Armory Emission Source Survey Inventory

Building Name	Source				Substance	Capacity		Permitting								Emissions Included in PTE Calculations
	Type	Manufacturer	SCC	Model		Amount	Units	Permit Required	Permitted Currently	Permit Type	Permit Expiration Date	Permit Accurate ?	Combustion Adjustment Required?	Most Recent Combustion Ajustment Date	Combustion Adjustment Expiration Date	
FMS	FORCED AIR FURNACE	Adams Manufacturing	10500206	ACOV 230	Nat Gas	230,000.00	btu/hr	N	N	N/A	N/A	N/A	N	N/A	N/A	Y
FMS	FORCED AIR FURNACE	Adams Manufacturing	10500206	SO 230	Nat Gas	230,000.00	btu/hr	N	N	N/A	N/A	N/A	N	N/A	N/A	Y
FMS	FORCED AIR FURNACE	Adams Manufacturing	10500206	SO 230	Nat Gas	230,000.00	btu/hr	N	N	N/A	N/A	N/A	N	N/A	N/A	Y
ARMORY	BOILER 1	H.B.Smith	10300603	340-1	Nat Gas	1,339,800	btu/hr	Y	Y	GP-017A	4/5/2022	Y	N	N/A	N/A	Y
ARMORY	BOILER 2	H.B.Smith	10300603	340-1	Nat Gas	1,339,800	btu/hr	Y	Y	GP-017A	4/5/2022	Y	N	N/A	N/A	Y
ARMORY OUTSIDE	PROPANE TANK	Precision Propane	N/A	N/A	Propane	unknown	N/A	N	N	N/A	N/A	N/A	N	N/A	N/A	N
FMS OUTSIDE (DR1LK)	OIL TANK	N/A	2501000090/ 2501995090	N/A	Oil	1,500.00	gal	N	N	N/A	N/A	N/A	N	N/A	N/A	Y
FMS & Armory	VOC Containing Paint/ Solvent	N/A	N/A	N/A	Assorted paints/solvents	1,393.60	oz	N	N	N/A	N/A	N/A	N	N/A	N/A	Y
FMS	PARTS WASHER	Graymills	N/A	PL36A	VOC containing substance	0.33	oz	N	N	N/A	N/A	N/A	N	N/A	N/A	Y
FMS	Welding Operations	N/A	N/A	N/A	N/A	0	N/A	N	N	N/A	N/A	N/A	N/A	N/A	N/A	N

Table FL11
Flemington Armory Emission Source Survey Inventory

Building Name	Source				Substance	Capacity		Permitting								Emissions Included in PTE Calculations
	Type	Manufacturer	SCC	Model		Amount	Units	Permit Required	Permitted Currently	Permit Type	Permit Expiration Date	Permit Accurate ?	Combustion Adjustment Required?	Most Recent Combustion Ajustment Date	Combustion Adjustment Expiration Date	
MVSB	FORCED AIR FURNACE	American Furnace	10500205	12-0C-2	Oil	189,000.00	btu/hr	N	N	N/A	N/A	N/A	N	N/A	N/A	Y
ARMORY	BOILER 1	H.B.Smith	10300501	340-1	Oil	3,500,000	btu/hr	Y	Y	GP-017A	4/21/2022	Y	Y	1/31/2019	1/31/2020	Y
ARMORY	HOT WATER HEATER	AO Smith	10300501	C0F 385 940	Oil	385,000	btu/hr	N	N	N/A	N/A	N/A	N	N/A	N/A	Y
MVSB	RATTLECAN	N/A	N/A	N/A	Assorted paints/solvents	1,380.00	oz	N	N	N/A	N/A	N/A	N	N/A	N/A	Y

Table FX11
Ft. Dix Armory Emission Source Survey Inventory

Building Name	Source				Substance	Capacity		Permitting								Emissions Included in PTE Calculations
	Type	Manufacturer	SCC	Model		Amount	Units	Permit Required	Permitted Currently	Permit Type	Permit Expiration Date	Permit Accurate ?	Combustion Adjustment Required?	Most Recent Combustion Ajustment Date	Combustion Adjustment Expiration Date	
Building 3601	BOILER 2	Bryan	10300603	CL270-W-GI	Nat Gas	2,634,000	btu/hr	Y	Y	GP-017A	12/12/2022	Y	N	N/A	N/A	Y
Building 3601	Boiler	Aerco	10300603	Benchmark 1500	Nat Gas	1,500,000	btu/hr	Y	Y	GP-017A	12/12/2022	Y	N	N/A	N/A	N*
Building 3601	Boiler	Aerco	10300603	Benchmark 1500	Nat Gas	1,500,000	btu/hr	Y	Y	GP-017A	12/12/2022	Y	N	N/A	N/A	N*
Building 3661	SPACE HEATER	GORDONRay BH	10500206	N/A	Nat Gas	200,000	btu/hr	N	N	N/A	N/A	N/A	N	N/A	N/A	Y
Building 3661	SPACE HEATER	GORDONRay BH	10500206	N/A	Nat Gas	200,000	btu/hr	N	N	N/A	N/A	N/A	N	N/A	N/A	Y
Building 3661	SPACE HEATER	GORDONRay BH	10500206	N/A	Nat Gas	200,000	btu/hr	N	N	N/A	N/A	N/A	N	N/A	N/A	Y
Building 3661	SPACE HEATER	GORDONRay BH	10500206	N/A	Nat Gas	200,000	btu/hr	N	N	N/A	N/A	N/A	N	N/A	N/A	Y
Building 3661	HOT WATER HEATER	AO SMITH	10300603	GCV 40 200	Nat Gas	40,000	btu/hr	N	N	N/A	N/A	N/A	N	N/A	N/A	Y
uilding 3650 B12	BOILER	Aerco	10300603	BMK 1500	Nat Gas	1,500,000	btu/hr	Y	Y	GP-017A	12/12/2022	Y	N	N/A	N/A	Y
uilding 3650 B12	BOILER	Aerco	10300603	BMK 1500	Nat Gas	1,500,000	btu/hr	Y	Y	GP-017A	12/12/2022	Y	N	N/A	N/A	Y
uilding 3650 B12	HOT WATER HEATER	Lochinvar	10300603	CFN0991PM	Nat Gas	990,000	btu/hr	N	N	N/A	N/A	N/A	N	N/A	N/A	Y
Building 3650	BOILER 2	Aerco	10300603	BMK 2000	Nat Gas	2,000,000	btu/hr	Y	Y	GP-017A	12/12/2022	Y	N	N/A	N/A	Y
Building 3650	BOILER 1	Aerco	10300603	BMK 2000	Nat Gas	2,000,000	btu/hr	Y	Y	GP-017A	12/12/2022	Y	N	N/A	N/A	Y
3651	BOILER	weil-mclain	10300603	N/a	Nat Gas	1,703,000	btu/hr	Y	Y	GP-017A	12/12/2022	Y	N	N/A	N/A	Y
3651	HOT WATER HEATER	A.O. SMITH	10300603	BTP 199A 964	Nat Gas	200,000	btu/hr	N	N	N/A	N/A	N/A	N	N/A	N/A	Y
3651	HOT WATER HEATER	TURBO POWER 99	10300603	742 N 600A-TP	Nat Gas	500,000	btu/hr	N	N	N/A	N/A	N/A	N	N/A	N/A	Y
Building 3650	EMERGENCY GENERATOR	Caterpillar	20300101	SR4B	Diesel	7,111,857	btu/hr	Y	Y	GP-005A	8/22/2021	Y	N	N/A	N/A	Y
3601	Rattle Cans	Assorted	N/A	Assorted	assorted paints/solvents	180.00	oz	N	N	N/A	N/A	N/A	N	N/A	N/A	Y
3661	Welding Operations	N/A	3-09-051-44	N/A	N/A	950	lbs	N	N	N/A	N/A	N/A	N/A	N/A	N/A	N
			3-09-051-28													
			3-09-052-26													
			3-09-053-55													
			3-09-052-20													

Table FRN11
Franklin Armory Emission Source Survey Inventory

Building Name	Source				Substance	Capacity		Permitting								Emissions Included in PTE Calculations
	Type	Manufacturer	SCC	Model		Amount	Units	Permit Required	Permitted Currently	Permit Type	Permit Expiration Date	Permit Accurate ?	Combustion Adjustment Required?	Most Recent Combustion Ajustment Date	Combustion Adjustment Expiration Date	
ARMORY 108	BOILER	Well McLain	10300501	1094	OIL	3,150,000.00	btu/hr	Y	Y	GP-017A	04/21/2022	Y	Y	2/6/2019	2/6/2020	Y
ARMORY OUTSIDE	STORAGE TANK	Highland tank	2501000090/ 2501995090	MH5086-2	OIL	1,500.00	Gal	N	N	N/A	N/A	N/A	N	N/A	N/A	Y

Table FD11
Freehold Armory Emission Source Survey Inventory

Building Name	Source				Substance	Capacity		Permitting								Emissions Included in PTE Calculations
	Type	Manufacturer	SCC	Model		Amount	Units	Permit Required	Permitted Currently	Permit Type	Permit Expiration Date	Permit Accurate ?	Combustion Adjustment Required?	Most Recent Combustion Ajustment Date	Combustion Adjustment Expiration Date	
ARMORY	BOILER	HB SMITH CO	10300501	MILLS WATER TUBE BOILER	Oil	1,980,000	btu/hr	Y	Y	GP-017A	05/03/2022	Y	Y	2/13/2019	2/13/2020	Y
ARMORY	WATER HEATER	N/A	10300501	GE515/11	Oil	1,825,000	btu/hr	Y	Y	GP-017A	05/03/2022	Y	Y	2/13/2019	2/13/2020	Y
ARMORY	STORAGE TANK	Morrison Bros	2501000090/ 2501995090	N/A	Oil	1,500	Gal	N	N	N/A	N/A	N/A	N	N/A	N/A	Y
ARMORY	OC Containing Paint/ Solver	Assorted	N/A	Assorted	Assorted paints/solvents	567	oz	N	N	N/A	N/A	N/A	N	N/A	N/A	Y

Table HN11
Hackettstown Armory Emission Source Survey Inventory

Building Name	Source				Substance	Capacity		Permitting								Emissions Included in PTE Calculations
	Type	Manufacturer	SCC	Model		Amount	Units	Permit Required	Permitted Currently	Permit Type	Permit Expiration Date	Permit Accurate ?	Combustion Adjustment Required?	Most Recent Combustion Ajustment Date	Combustion Adjustment Expiration Date	
ARMORY	BOILER	H.B.Smith	10300501	340-1	OIL	1,960,000.00	btu/hr	Y	Y	GP-017A	04/21/2022	Y	Y	2/14/2019	2/14/2020	Y
ARMORY	HOT WATER HEATER	A.O.Smith	10300501	C0F 455 940	OIL	455,000.00	btu/hr	N	N	N/A	N/A	N/A	N	N/A	N/A	Y
ARMORY	FURNACE	Big Quaker Corp.	10500205	NHI0CI00AJ01	OIL	189,000.00	btu/hr	N	N	N/A	N/A	N/A	N	N/A	N/A	Y
ARMORY	UST	N/A	2501000090/ 2501995090	N/A	oil	5,000.00	Gal	N	N	N/A	N/A	N/A	N	N/A	N/A	Y
ARMORY	AST for hot water heater	N/A	2501000090/ 2501995090	N/A	oil	275.00	Gal	N	N	N/A	N/A	N/A	N	N/A	N/A	Y
ARMORY	Propane tank for boiler pilot	N/A	N/A	N/A	propane	80.00	lbs	N	N	N/A	N/A	N/A	N	N/A	N/A	N
ARMORY	VOC Containing Paint/ Solvent	Assorted	N/A	Assorted	Assorted paints/solvents	732.00	oz	N	N	N/A	N/A	N/A	N	N/A	N/A	Y
FMS	Parts Washer	Graymills	40100398	198655-18	Petroleum Distillate, 2-Butoxyethanol	Unknown	Unknown	N	N	N/A	N/A	N/A	N	N/A	N/A	Y
FMS	Parts Washer	Graymills	40100398	Unknown	Petroleum Distillate, 2-Butoxyethanol	Unknown	Unknown	N	N	N/A	N/A	N/A	N	N/A	N/A	Y

Table HA11
Hammonton Armory Emission Source Survey Inventory

Building Name	Source				Substance	Capacity		Permitting								Emissions Included in PTE Calculations
	Type	Manufacturer	SCC	Model		Amount	Units	Permit Required	Permitted Currently	Permit Type	Permit Expiration Date	Permit Accurate ?	Combustion Adjustment Required?	Most Recent Combustion Ajustment Date	Combustion Adjustment Expiration Date	
STORAGE GARAGE	HEATER	Armstrong Air Condition Co.	10500206	LGH14-225/275B30-1B	Nat Gas	350,000.00	btu/hr	N	N	N/A	N/A	N/A	N	N/A	N/A	Y
STORAGE GARAGE	HEATER	Armstrong Air Condition Co.	10500206	LGH14-350/450B50-1B	Nat Gas	500,000.00	btu/hr	N	N	N/A	N/A	N/A	N	N/A	N/A	Y
STORAGE GARAGE	HEATER	Armstrong Air Condition Co.	10500206	LGH14-350/450B50-1B	Nat Gas	500,000.00	btu/hr	N	N	N/A	N/A	N/A	N	N/A	N/A	Y
Armory - Boiler Room	Boiler 1	Weil-Mclain	10300603	HR40-10	Nat Gas	1,950,000.00	btu/hr	Y	Y	GP-017A	02/01/2023	Y	N	N/A	N/A	Y
Storage	VOC Containing Paint/ Solvent	Assorted	N/A	Assorted	Assorted paints/solvents	13.00	oz	N	N	N/A	N/A	N/A	N	N/A	N/A	Y

Table JC11
Jersey City Armory Emission Source Survey Inventory

Building Name	Source				Substance	Capacity		Permitting								Emissions Included in PTE Calculations
	Type	Manufacturer	SCC	Model		Amount	Units	Permit Required	Permitted Currently	Permit Type	Permit Expiration Date	Permit Accurate ?	Combustion Adjustment Required?	Most Recent Combustion Ajustment Date	Combustion Adjustment Expiration Date	
JERSEY CITY ARMORY	BOILER 1	MACH	10300603	C-4000	NAT GAS	4,000,000	btu/hr	Y	Y	GP-017	1/5/2020	Y	N	N/A	N/A	Y
JERSEY CITY ARMORY	BOILER 2	MACH	10300603	C-4000	NAT GAS	4,000,000	btu/hr	Y	Y	GP-017	1/5/2020	Y	N	N/A	N/A	Y
JERSEY CITY ARMORY	BOILER 3	MACH	10300603	C-4000	NAT GAS	4,000,000	btu/hr	Y	Y	GP-017	1/5/2020	Y	N	N/A	N/A	Y
JERSEY CITY ARMORY	HOT WATER HEATER	RHEEM	10300603	GHE100-250A	NAT GAS	250,000	btu/hr	N	N	N/A	N/A	N/A	N	N/A	N/A	Y
JERSEY CITY ARMORY	HOT WATER HEATER	RHEEM	10300603	GHE100-250A	NAT GAS	250,000	btu/hr	N	N	N/A	N/A	N/A	N	N/A	N/A	Y
FMS	Spray Paint	Sherman Williams	N/A	Green	N/A	N/A	N/A	N	N	N/A	N/A	N/A	N	N/A	N/A	N
FMS	Parts Washer	Walker Special	N/A	1	Mineral Spirits	100	gal	N	N	N/A	N/A	N/A	N	N/A	N/A	Y

Table LH11
Lakehurst Armory Emission Source Survey Inventory

Building Name	Source				Substance	Capacity		Permitting								Emissions Included in PTE Calculations
	Type	Manufacturer	SCC	Model		Amount	Units	Permit Required	Permitted Currently	Permit Type	Permit Expiration Date	Permit Accurate ?	Combustion Adjustment Required?	Most Recent Combustion Ajustment Date	Combustion Adjustment Expiration Date	
CLTF CSMS	WATER HEATER	A.O. Smith	10300603	BTH 120 100	NATURAL GAS	120,000	BTU/hr	N	N	N/A	N/A	N/A	N	N/A	N/A	Y
CLTF CSMS	AIR DEHYDRATION UNIT	Stulz	10500206	AUD-1150-55-G	NATURAL GAS	100,000	BTU/hr	N	N	N/A	N/A	N/A	N	N/A	N/A	Y
CLTF CSMS	WATER HEATER	A.O. Smith	10300603	BTH 250 100	NATURAL GAS	250,000	BTU/hr	N	N	N/A	N/A	N/A	N	N/A	N/A	Y
CLTF CSMS	WATER HEATER	A.O. Smith	10300603	BTH 250 100	NATURAL GAS	250,000	BTU/hr	N	N	N/A	N/A	N/A	N	N/A	N/A	Y
CLTF CSMS	FORCED AIR	Sterling	10500206	E1N-PV20A2LD1K61E2AB3E3 L2	NATURAL GAS	200,000	BTU/hr	N	N	N/A	N/A	N/A	N	N/A	N/A	Y
CLTF CSMS	FORCED AIR	Applied Air	10500206	GMIFR-25-HRB	NATURAL GAS	N/A	BTU/hr	N	N	N/A	N/A	N/A	N	N/A	N/A	Y
CLTF CSMS	FORCED AIR	N/A	10500206	D2NP060N11046A	NATURAL GAS	135,000	BTU/hr	N	N	N/A	N/A	N/A	N	N/A	N/A	Y
CLTF CSMS	BOILER	Well-Mclain	10300603	88 SERIES 2 (MODEL NUMBER 1788)	NATURAL GAS	5,494,000	BTU/hr	Y	Y	GP-018	10/08/2020	Y	Y	2/8/2019	2/8/2020	Y
CLTF UTES	HOT WATER HEATER	Ao Smith	10300603	BTP200-300000	NATURAL GAS	400,000	BTU/hr	N	N	N/A	N/A	N/A	N	N/A	N/A	Y
CLTF UTES	HEATER	Sterling	10500206	N/A	NATURAL GAS	100,000	BTU/hr	N	N	N/A	N/A	N/A	N	N/A	N/A	Y
CLTF UTES	HEATER	N/A	10500206	J05ZRD10U4TBA1C	NATURAL GAS	125,000	BTU/hr	N	N	N/A	N/A	N/A	N	N/A	N/A	Y
CLTF UTES	HEATER	N/A	10500206	J10ZRN15Q4VAA4B	NATURAL GAS	180,000	BTU/hr	N	N	N/A	N/A	N/A	N	N/A	N/A	Y
CLTF UTES	HEATER	Trane	10500206	4YCC3018A1040AA	NATURAL GAS	40,000	BTU/hr	N	N	N/A	N/A	N/A	N	N/A	N/A	Y
CLTF UTES	HEATER	N/A	10500206	J10DFS15B4UAG3D	NATURAL GAS	180,000	BTU/hr	N	N	N/A	N/A	N/A	N	N/A	N/A	Y
CLTF UTES	HEATER	Aaon Inc	10500206	RM-010-3-0-BB02-339	NATURAL GAS	180,000	BTU/hr	N	N	N/A	N/A	N/A	N	N/A	N/A	Y
CLTF-CSMS	DIRECT IDUST AIR HEATER	Global Finishing Solutions	10500206	CFA 30	NATURAL GAS	2,799,360	BTU/hr	Y	Y	GP-017	8/22/2021	Y	N	N/A	N/A	Y
CLTF-CSMS	B-2	Weil-Mclain	10500206	88	NATURAL GAS	5,485,000	BTU/hr	Y	Y	GP-018	10/08/2020	Y	Y	2/8/2019	2/8/2020	Y
CLTF-CSMS	WH-4	Ao Smith	10500206	BTH 120 100	NATURAL GAS	120,000	BTU/hr	N	N	N/A	N/A	N/A	N	N/A	N/A	Y
CLTF-CSMS	MUA-1	Applied Air Systems	10500206	DFM 220 HRS	NATURAL GAS	1,950,000	BTU/hr	Y	Y	GP-017	8/22/2021	Y	N	N/A	N/A	Y
CLTF-CSMS	FORCED AIR HEATER	Applied Air Systems	10500206	DFM 220 HRS	NATURAL GAS	1,950,000	BTU/hr	Y	Y	GP-017	8/22/2021	Y	N	N/A	N/A	Y
CLTF-CSMS	SPACE HEATER	Space Ray	10500206	LTU75-N	NATURAL GAS	75,000	BTU/hr	N	N	N/A	N/A	N/A	N	N/A	N/A	Y
CLTF-UTES	H&V 4	Applied Air Systems	10500206	DFM 220 HRT	NATURAL GAS	2,373,000	BTU/hr	Y	Y	GP-017	8/22/2021	Y	N	N/A	N/A	Y
CLTF-UTES	H&V 3	Applied Air Systems	10500206	DFM 220 HRT	NATURAL GAS	2,121,000	BTU/hr	Y	Y	GP-017	8/22/2021	Y	N	N/A	N/A	Y
CLTF-UTES	FORCED AIR HEATER	N/A	10500206	J07ZRN10Q4VAA4B	NATURAL GAS	120,000	BTU/hr	N	N	N/A	N/A	N/A	N	N/A	N/A	Y
CLTF-UTES	FORCED AIR HEATER	N/A	10500206	J05ZRD10U4TBA1C	NATURAL GAS	125,000	BTU/hr	N	N	N/A	N/A	N/A	N	N/A	N/A	Y
CLTF-UTES	FORCED AIR HEATER	N/A	10500206	J10ZRN15Q4VAA4B	NATURAL GAS	180,000	BTU/hr	N	N	N/A	N/A	N/A	N	N/A	N/A	Y
CLTF-UTES	FORCED AIR HEATER	N/A	10500206	J05ZRD10U4TBA1C	NATURAL GAS	125,000	BTU/hr	N	N	N/A	N/A	N/A	N	N/A	N/A	Y
CLTF-UTES	FORCED AIR HEATER	N/A	10500206	J05ZRD10U4TBA1C	NATURAL GAS	125,000	BTU/hr	N	N	N/A	N/A	N/A	N	N/A	N/A	Y
CLTF-UTES	FORCED AIR HEATER	N/A	10500206	J10DRN15S4UAG3E	NATURAL GAS	180,000	BTU/hr	N	N	N/A	N/A	N/A	N	N/A	N/A	Y
CTLF-UTES	FORCED AIR HEATER	N/A	10500206	J05ZRD10U4TBA1C	NATURAL GAS	125,000	BTU/hr	N	N	N/A	N/A	N/A	N	N/A	N/A	Y
CTLF-UTES	FORCED AIR HEATER	Lennox	10500206	TSA180S4DN1G	NATURAL GAS	N/A	BTU/hr	N	N	N/A	N/A	N/A	N	N/A	N/A	Y
CTLF-UTES	FORCED AIR HEATER	N/A	10500206	J12ZRN15Q4VAA4B	NATURAL GAS	180,000	BTU/hr	N	N	N/A	N/A	N/A	N	N/A	N/A	Y
CTLF-UTES	FORCED AIR HEATER	N/A	10500206	GMIFR-25-HRB	NATURAL GAS	312,500	BTU/hr	N	N	N/A	N/A	N/A	N	N/A	N/A	Y
CTLF-UTES	FORCED AIR HEATER	Sterling	10500206	E1N-PV20A2LD1K61E2AB3E3 L2	NATURAL GAS	200,000	BTU/hr	N	N	N/A	N/A	N/A	N	N/A	N/A	Y
CTLF-UTES	FORCED AIR HEATER	Sterling	10500206	E1N-PV10C2C01K63L2AA7B5 E1E3J1J4K2L1N2	NATURAL GAS	100,000	BTU/hr	N	N	N/A	N/A	N/A	N	N/A	N/A	Y
AASF room 127	BOILER 4D	Xtherm	10300603	H7-2005A	NATURAL GAS	1,999,000	BTU/hr	Y	Y	GP-017	12/17/2019	Y	N	N/A	N/A	Y
AASF ROOM 127	BOILER 3C	Xtherm	10300603	H7-2005A	NATURAL GAS	1,999,000	BTU/hr	Y	Y	GP-017	12/17/2019	Y	N	N/A	N/A	Y
AASF	BOILER	HB Smith	10300603	19 SERIES-10	NATURAL GAS	1,364,000	BTU/hr	Y	Y	GP-017	12/17/2019	Y	N	N/A	N/A	Y
B608 BOILER ROOM	HOT WATER HEATER	A.O. Smith	10300603	BTR 400A 110	NATURAL GAS	399,000	BTU/hr	N	N	N/A	N/A	N/A	N	N/A	N/A	Y
AASF RM127	BOILER	XTherm	10300603	H7-2005A	NATURAL GAS	1,999,000	BTU/hr	Y	Y	GP-017	12/17/2019	Y	N	N/A	N/A	Y
AASF RM127	BOILER	XTherm	10300603	H7-2005A	NATURAL GAS	1,999,000	BTU/hr	Y	Y	GP-017	12/17/2019	Y	N	N/A	N/A	Y
AASF	PRESURE WASHER 1	RIVEER	N/A	N/A	NATURAL GAS	N/A	BTU/hr	N	N	N/A	N/A	N/A	N	N/A	N/A	Y
AASF	PRESSURE WASHER 2	RIVEER	N/A	N/A	NATURAL GAS	N/A	BTU/hr	N	N	N/A	N/A	N/A	N	N/A	N/A	Y
B129	BOILER B1	Universal Boiler Works	10300603	BF5054	NATURAL GAS	2,100,000	BTU/hr	Y	Y	GP-017A	5/19/2022	Y	N	N/A	N/A	Y
B129	BOILER B2	Universal Boiler Works	10300603	BF5054	NATURAL GAS	2,100,000	BTU/hr	Y	Y	GP-017A	5/19/2022	Y	N	N/A	N/A	Y
B129	HOT WATER HEATER	AO Smith	10300603	BTH 400A 100	NATURAL GAS	399,900	BTU/hr	N	N	N/A	N/A	N/A	N	N/A	N/A	Y
B129	SPLIT UNIT	York	10500206	GY9S100C16UP11K	NATURAL GAS	100,000	BTU/hr	N	N	N/A	N/A	N/A	N	N/A	N/A	Y
B129	SPLIT UNIT	York	10500206	GY9S100C16UP11K	NATURAL GAS	100,000	BTU/hr	N	N	N/A	N/A	N/A	N	N/A	N/A	Y
B129	SPLIT UNIT	York	10500206	GY9S100C16UP11K	NATURAL GAS	100,000	BTU/hr	N	N	N/A	N/A	N/A	N	N/A	N/A	Y
B129	SPLIT UNIT	York	10500206	GY9S100C16UP11K	NATURAL GAS	100,000	BTU/hr	N	N	N/A	N/A	N/A	N	N/A	N/A	Y
B129	SPLIT UNIT	York	10500206	GY9S100C16UP11K	NATURAL GAS	100,000	BTU/hr	N	N	N/A	N/A	N/A	N	N/A	N/A	Y
CSMS	GENERATOR/WELDER	Miller	20300201	BOBCAT 250	GAS	12	kW	N	N	N/A	N/A	N/A	N	N/A	N/A	Y
OUTSIDE AASF	POWER GENERATOR	Cummins	20300101	DFEK-1341736	DIESEL	500	kW	Y	Y	GP-005	2/24/2019	N	N	N/A	N/A	Y
AASF	GENERATOR 2	Cummins	20300101	DFEH-1341735	DIESEL	400	kW	Y	Y	GP-005	2/24/2019	N	N	N/A	N/A	Y
cltf	AST	modern welding co.	N/A	N/A	used antifreeze	1000	gal	N	N	N/A	N/A	N/A	N	N/A	N/A	N
cltf	AST	modern welding co.	N/A	N/A	used oil	1000	gal	N	N	N/A	N/A	N/A	N	N/A	N/A	N
utes	AST	highland tank	N/A	N/A	used antifreeze	1000	gal	N	N	N/A	N/A	N/A	N	N/A	N/A	N
utes	AST	highland tank	N/A	N/A	used oil	1000	gal	N	N	N/A	N/A	N/A	N	N/A	N/A	N
Sitewide	VOC Containing Paint/ Solvent	N/A	N/A	N/A	orted paints/solve	14089.2	oz	N	N	N/A	N/A	N/A	N	N/A	N/A	Y
AASF and Hangar	Paint Booth Emissions	N/A	N/A	N/A	Paint and Catalyst	123	gal	Y	Y	PCP 110001: Construction of New Source	2/21/2022	Y	N	N/A	N/A	N
Sitewide	Welding Operations	N/A	3-09-051-44	N/A	N/A	120	lbs						N			N
			3-09-052-26													
	Woodworking Operations	N/A	N/A	N/A	N/A	UNKN	UNKN	Y	Y	GP-003	5/17/2021	N*	N	N/A	N/A	N

Table LE11
Lawrenceville Armory Emission Source Survey Inventory

Building Name	Source				Substance	Capacity		Permitting								Emissions Included in PTE Calculations
	Type	Manufacturer	SCC	Model		Amount	Units	Permit Required	Permitted Currently	Permit Type	Permit Expiration Date	Permit Accurate ?	Combustion Adjustment Required?	Most Recent Combustion Ajustment Date	Combustion Adjustment Expiration Date	
ARMORY	boiler	weil-mclain	10300603	1694	Nat Gas	5,412,000.00	btu/hr	Y	Y	GP-018	08/15/2021	Y	Y	2/7/2019	2/7/2020	Y
ARMORY	HOT WATER HEATER	AO SMITH	10300603	AT-H2-DV-N	Nat Gas	199,000.00	btu/hr	N	N	N/A	N/A	N	N	N/A	N/A	Y
ARMORY	natural gas boiler	weil-mcclain	10300603	1694	Nat Gas	5,412,000.00	btu/hr	Y	Y	GP-018	08/15/2021	Y	Y	2/26/2018	2/26/2019	Y
USPFO	Boiler 3	HB Smith	10300603	G400-6-W	Nat Gas	1,250,000.00	btu/hr	Y	Y	GP-017	8/15/2021	Y	N	N/A	N/A	Y
ARMORY	on-sire hot water heater	AO SMITH	10300603	AT-H2-DV-N	Nat Gas	199,000.00	btu/hr	N	N	N/A	N/A	N/A	N	N/A	N/A	Y
Marshal's Building 106	HEATER	Reznor	10500206	CEEXL125	Nat Gas	125,000.00	btu/hr	N	N	N/A	N/A	N/A	N	N/A	N/A	Y
Marshal's Building 106	HEATER	Reznor	10500206	CEEXL125	Nat Gas	125,000.00	btu/hr	N	N	N/A	N/A	N/A	N	N/A	N/A	Y
BLDG 4	FURNACE	Powrmatic	10500206	CA-35	Nat Gas	700,000.00	btu/hr	N	N	N/A	N/A	N/A	N	N/A	N/A	Y
125	HOT WATER HEATER	A.O.SMITH	10300603	PGC 75 230	Nat Gas	75,000.00	btu/hr	N	N	N/A	N/A	N/A	N	N/A	N/A	Y
FMS ROOM 101	FURNACE	Powermatic Inc	10500206	CA-25	Nat Gas	400,000.00	btu/hr	N	N	N/A	N/A	N/A	N	N/A	N/A	Y
FMS ROOM 101	FURNACE	Powermatic Inc	10500206	CA-25	Nat Gas	400,000.00	btu/hr	N	N	N/A	N/A	N/A	N	N/A	N/A	Y
FMS ROOM 109	FURNACE	Powermatic Inc	10500206	CA-35	Nat Gas	700,000.00	btu/hr	N	N	N/A	N/A	N/A	N	N/A	N/A	Y
B161	FURNACE	Powermatic Inc	10500206	CA-35	Nat Gas	700,000.00	btu/hr	N	N	N/A	N/A	N/A	N	N/A	N/A	Y
B161	FURNACE	Powermatic Inc	10500206	CA-35	Nat Gas	700,000.00	btu/hr	N	N	N/A	N/A	N/A	N	N/A	N/A	Y
HSCOE cages	HEATER	Reznor ITT	10500206	UA75	Nat Gas	75,000.00	btu/hr	N	N	N/A	N/A	N/A	N	N/A	N/A	Y
HSCOE cages	HEATER	Reznor ITT	10500206	UDAP75	Nat Gas	75,000.00	btu/hr	N	N	N/A	N/A	N/A	N	N/A	N/A	Y
HSCOE cages	HEATER	Reznor ITT	10500206	UDAP75	Nat Gas	75,000.00	btu/hr	N	N	N/A	N/A	N/A	N	N/A	N/A	Y
HSCOE	SPLIT UNIT	Fujitsu	10500206	AOU24RC	Nat Gas	24,000.00	btu/hr	N	N	N/A	N/A	N/A	N	N/A	N/A	Y
HSCOE	SPLIT UNIT	Fujitsu	10500206	AOU24RC	Nat Gas	24,000.00	btu/hr	N	N	N/A	N/A	N/A	N	N/A	N/A	Y
MARSHALS BUILDING	HOT WATER HEATER	A.O. SMITH	10300603	FSG 40 248	Nat Gas	32,000.00	btu/hr	N	N	N/A	N/A	N/A	N	N/A	N/A	Y
HSCOE	BOILER	HB Smith	10300603	G400	Nat Gas	1,250,000.00	btu/hr	N	N	N/A	N/A	N/A	N	N/A	N/A	Y
DRIVE THROUGH BAY	IR HEATER	Vantage	10500206	CTH3-200	Nat Gas	200,000.00	btu/hr	N	N	N/A	N/A	N/A	N	N/A	N/A	Y
DRIVE THROUGH BAY	IR HEATER	Vantage	10500206	CTH3-200	Nat Gas	200,000.00	btu/hr	N	N	N/A	N/A	N/A	N	N/A	N/A	Y
armory-warehouse	heater	MODINE	10500205	POR145B 0101	Oil	231,000.00	btu/hr	N	N	N/A	N/A	N/A	N	N/A	N/A	Y
armory-warehouse	heater	MODINE	10500205	POR145B 0101	Oil	175,000.00	btu/hr	N	N	N/A	N/A	N/A	N	N/A	N/A	Y
ARMORY	EMERGENCY GENERATOR	CUMMINS	20300101	DSHAC-7571599	DIESEL	2,644,679.00	btu/hr	Y	Y	GP-005A	8/22/2021	Y	N	N/A	N/A	Y
HSCOE	EMERGENCY GENERATOR	CATERPILLAR	20300101	3306	DIESEL	2,452,837.00	btu/hr	Y	Y	GP-005A	8/22/2021	Y	N	N/A	N/A	Y
HSCOE	EMERGENCY GENERATOR	SPECTRUM DETROIT DIESEL	20300101	180DS	DIESEL	1,849,905.00	btu/hr	Y	Y	GP-005A	8/22/2021	Y	N	N/A	N/A	Y
ARMORY - Mike's Office	STORAGE TANK (LE1)	N/A	2501000090/ 2501995090	1436735	OIL	1,000.00	Gal	N	N	N/A	N/A	N/A	N	N/A	N/A	Y
Armory- Bart's office	Storage Tank (LE2)	N/A	2501000090/ 2501995090	N/A	oil	500.00	Gal	N	N	N/A	N/A	N/A	N	N/A	N/A	Y
dmava metal storage bldg (TAG tank)	heater storage tank (LE3)	N/A	2501000120/ 2501995120	N/A	Gasoline	2,000.00	Gal	Y	Y	GP-004A	08/22/2021	Y	N	N/A	N/A	Y
dmava inside metal storage bldg	storage tank (LE4)	GRANBY	2501000090/ 2501995090	204201	DIESEL	275.00	Gal	N	N	N/A	N/A	N/A	N	N/A	N/A	Y
Djdept of treasury	STORAGE GAS TANK	ConVault	2501000120/ 2501995120	RN 4000 3SF	Gasoline	4,000.00	Gal	N	N	N/A	N/A	N/A	N	N/A	N/A	N
DMAVA - fire pump	STORAGE DIESEL TANK (LE6)	-MAC Manufacturing Compa	2501000090/ 2501995090	K001	DIESEL	18.85	Gal	N	N	N/A	N/A	N/A	N	N/A	N/A	Y
BLDG 3- Wood Shop/DMAVA PENTHOUSE/Marshal's Building	VOC Containing Paint/ Solvent	Assorted	N/A	Assorted	Assorted paints/solvents	6,628.00	oz	N	N	N/A	N/A	N/A	N	N/A	N/A	Y
FMS	Welding Operations	N/A	N/A	N/A	N/A	0	N/A	N	N	N/A	N/A	N/A	N	N/A	N/A	N

Table LI11
Lodi Armory Emission Source Survey Inventory

Building Name	Source				Substance	Capacity		Permitting								Emissions Included in PTE Calculations
	Type	Manufacturer	SCC	Model		Amount	Units	Permit Required	Permitted Currently	Permit Type	Permit Expiration Date	Permit Accurate ?	Combustion Adjustment Required?	Most Recent Combustion Ajustment Date	Combustion Adjustment Expiration Date	
ARMORY	Boiler	Weil-McLain	10300602	88 Series 2	Nat Gas	3,103,000.00	btu/hr	Y	Y	GP-017A	3/5/2023	Y	Y	2/9/2018	2/9/2019	N
ARMORY	BOILER	H.B. Smith	10300602	450 MILLS	Nat Gas	4,620,000.00	btu/hr	N	N	N/A	N/A	N/A	N	N/A	N/A	Y
MVSB 1	FORCED AIR FURNACE	N/A	10500206	N/A	Nat Gas	420,000.00	btu/hr	N	N	N/A	N/A	N/A	N	N/A	N/A	Y
MVSB 1	FORCED AIR FURNACE	N/A	10500206	N/A	Nat Gas	420,000.00	btu/hr	N	N	N/A	N/A	N/A	N	N/A	N/A	Y
MVSB 1	FORCED AIR FURNACE	Powermatic	10500206	CA20	Nat Gas	250,000.00	btu/hr	N	N	N/A	N/A	N/A	N	N/A	N/A	Y
MVSB 1	FORCED AIR FURNACE	American Furnace	10500206	N/A	Nat Gas	420,000.00	btu/hr	N	N	N/A	N/A	N/A	N	N/A	N/A	Y
MVSB 1	FORCED AIR FURNACE	American Furnace	10500206	N/A	Nat Gas	420,000.00	btu/hr	N	N	N/A	N/A	N/A	N	N/A	N/A	Y
MVSB 1	FORCED AIR FURNACE	American Furnace	10500206	N/A	Nat Gas	420,000.00	btu/hr	N	N	N/A	N/A	N/A	N	N/A	N/A	Y
Outside Armory	Generator	Olympian	N/A	N/A	N/A	N/A	N/A	N	N	N/A	N/A	N/A	N	N/A	N/A	Y
MVSB 1	Parts Washer	BAC Build All Corporation	N/A	DM 32	Safety-Kleen Premium Solvent	Unknown	Unknown	N	N	N/A	N/A	N/A	N	N/A	N/A	Y
MVSB 1	VOC Containing Paint/ Solvent	Assorted	N/A	Assorted	Assorted paints/solvents	416.00	oz	N	N	N/A	N/A	N/A	N	N/A	N/A	Y

Table MN11
Morristown Armory Emission Source Survey Inventory

Building Name	Source				Substance	Capacity		Permitting								Emissions Included in PTE Calculations
	Type	Manufacturer	SCC	Model		Amount	Units	Permit Required	Permitted Currently	Permit Type	Permit Expiration Date	Permit Accurate ?	Combustion Adjustment Required?	Most Recent Combustion Ajustment Date	Combustion Adjustment Expiration Date	
ARMORY 103	BOILER	AERCO	10300602	BMK 1500	NATURAL GAS	1,500,000.00	btu/hr	Y	Y	GP-017	05/07/2020	Y	N	N/A	N/A	Y
ARMORY 103	BOILER	AERCO	10300602	BMK 1500	NATURAL GAS	1,500,000.00	btu/hr	Y	Y	GP-017	05/07/2020	Y	N	N/A	N/A	Y
ARMORY ROOM 123 & 100	VOC Containing Paint/ Solvent	Assorted	N/A	Assorted	Assorted paints/solvents	3,376.00	oz	N	N	N/A	N/A	N/A	N	N/A	N/A	Y

Table MY11

Mt. Holly Armory Emission Source Survey Inventory

Building Name	Source				Substance	Capacity		Permitting								Emissions Included in PTE Calculations
	Type	Manufacturer	SCC	Model		Amount	Units	Permit Required	Permitted Currently	Permit Type	Permit Expiration Date	Permit Accurate ?	Combustion Adjustment Required?	Most Recent Combustion Ajustment Date	Combustion Adjustment Expiration Date	
ARMORY	BOILER	HB Smith	10300602	N/A	NATURAL GAS	2,800,000	btu/hr	Y	Y	GP-017A	04/20/2023	Y	N	N/A	N/A	Y
ARMORY	BOILER	HB Smith	10300602	N/A	NATURAL GAS	2,800,000	btu/hr	Y	Y	GP-017A	04/20/2023	Y	N	N/A	N/A	Y

Table 19-1
Newark Armory Emission Source Survey Inventory

Building Name	Source				Substance	Capacity		Permitting								Emissions Included in PTE Calculations
	Type	Manufacturer	SCC	Model		Amount	Units	Permit Required	Permitted Currently	Permit Type	Permit Expiration Date	Permit Accurate ?	Combustion Adjustment Required?	Most Recent Combustion Ajustment Date	Combustion Adjustment Expiration Date	
EWARK ARMORY	BOILER 1	H.B. SMITH	10300603	350 MILLS BOILERS	Nat Gas	2,562,000	btu/hr	Y	Y	GP-017	08/22/2021	Y	N	N/A	N/A	Y
EWARK ARMORY	BOILER 2	H.B. SMITH	10300603	350 MILLS BOILERS	Nat Gas	2,562,000	btu/hr	Y	Y	GP-017	08/22/2021	Y	N	N/A	N/A	Y
EWARK ARMORY	OT WATER HEATE	A.O.SMITH	10300603	BTF 80 200	Nat Gas	80,000	btu/hr	N	N	N/A	N/A	N/A	N	N/A	N/A	Y
EWARK ARMORY	HEATER	Economite	10300603	F400M 33	Nat Gas	625,000	btu/hr	N	N	N/A	N/A	N/A	N	N/A	N/A	Y
Unknown	ntaining Paint/ S	Assorted	N/A	Assorted	Assorted paints/solvents	5374	oz	N	N	N/A	N/A	N/A	N	N/A	N/A	Y

Table OU11
Old UTES Armory Emission Source Survey Inventory

Building Name	Source				Substance	Capacity		Permitting								Emissions Included in PTE Calculations
	Type	Manufacturer	SCC	Model		Amount	Units	Permit Required	Permitted Currently	Permit Type	Permit Expiration Date	Permit Accurate ?	Combustion Adjustment Required?	Most Recent Combustion Ajustment Date	Combustion Adjustment Expiration Date	
Unknown	BOILER	Smith Cast Iron Boiler	10300501	28A-S/W-08	Oil	2,548,980	btu/hr	Y	Y	GP-017	09/07/2021	Y	Y	2/6/2019	2/6/2020	Y
Unknown	HOT WATER HEATER	Bock	10300501	51E	Oil	154,000	btu/hr	N	N	N/A	N/A	N/A	N	N/A	N/A	Y
Unknown	Unknown	Unknown	N/A	Unknown	Diesel	10,000	Gal	N	N	N/A	N/A	N/A	N	N/A	N/A	N
FMS	VOC Containing Paint/ Solvent	Assorted	N/A	Assorted	Assorted paints/solvents	180	oz	N	N	N/A	N/A	N/A	N	N/A	N/A	Y
FMS	Parts Washer	Walker Special	N/A	1	Mineral Spirits	100	gal	N	N	N/A	N/A	N/A	N	N/A	N/A	Y
N/A	AST	Highland	2501000090/2501995090	Unknown	Oil	10,000	gal	N	N	N/A	N/A	N/A	N	N/A	N/A	N

Table PY11
Picatinny Armory Emission Source Survey Inventory

Building Name	Source				Substance	Capacity		Permitting								Emissions Included in PTE Calculations
	Type	Manufacturer	SCC	Model		Amount	Units	Permit Required	Permitted Currently	Permit Type	Permit Expiration Date	Permit Accurate ?	Combustion Adjustment Required?	Most Recent Combustion Ajustment Date	Combustion Adjustment Expiration Date	
FMS	HOT WATER HEATER	Bock	10300603	200E-850 ASME	NATURAL GAS	840,000	btu/hr	N	N	N/A	N/A	N/A	N	N/A	N/A	Y
FMS	BOILER	Well-Mclain	10300603	780	NATURAL GAS	937,000	btu/hr	N	N	N/A	N/A	N/A	N	N/A	N/A	Y
FMS	BOILER	Well-Mclain	10300603	780	NATURAL GAS	937,000	btu/hr	N	N	N/A	N/A	N/A	N	N/A	N/A	Y
FMS	BOILER	Well-Mclain	10300603	780	NATURAL GAS	937,000	btu/hr	N	N	N/A	N/A	N/A	N	N/A	N/A	Y
STORAGE TANK	ABOVE	Uknown	2501000090/ 2501995090	Uknown	Diesel	10,000	gal	N	N	N/A	N/A	N/A	N	N/A	N/A	Y
STORAGE TANK	ABOVE	Uknown	2501000090/ 2501995091	Uknown	Diesel	10,000	gal	N	N	N/A	N/A	N/A	N	N/A	N/A	Y
STORAGE TANK	ABOVE	Uknown	2501000090/ 2501995092	Uknown	Diesel	10,000	gal	N	N	N/A	N/A	N/A	N	N/A	N/A	Y
FMS	Rattlecans	Skillcraft	N/A	Assorted	Assorted paints/solvents	1,079	oz	N	N	N/A	N/A	N/A	N	N/A	N/A	Y

Table PN11
Princeton Armory Emission Source Survey Inventory

Building Name	Source				Substance	Capacity		Permitting								Emissions Included in PTE Calculations
	Type	Manufacturer	SCC	Model		Amount	Units	Permit Required	Permitted Currently	Permit Type	Permit Expiration Date	Permit Accurate ?	Combustion Adjustment Required?	Most Recent Combustion Ajustment Date	Combustion Adjustment Expiration Date	
WAREHOUSE	FURNACE	Cox Heating Products	10500205	S0400	oil	490,000	btu/hr	N	N	N/A	N/A	N/A	N	N/A	N/A	Y
WAREHOUSE/ STATE POLICE	EMERGENCY GENERATOR	Techstar50	20300101	L634D-I/10144B	DIESEL	685,150	btu/hr	N	N	N/A	N/A	N/A	N	N/A	N/A	Y
WAREHOUSE/ STATE POLICE	STORAGE TANK	Unknown	2501000090/ 2501995090	Unknown	Oil	2,000	gal	N	N	N/A	N/A	N/A	N	N/A	N/A	Y
WAREHOUSE/ STATE POLICE	STORAGE TANK (PN2)	Unknown	2501000090/ 2501995091	Unknown	Diesel	500	gal	N	N	N/A	N/A	N/A	N	N/A	N/A	Y
WAREHOUSE	VOC Containing Paint/ Solvent	Assorted	N/A	Assorted	Assorted paints/solvents	Unknown	Unknown	N	N	N/A	N/A	N/A	N	N/A	N/A	N

Table RE11
Riverdale Armory Emission Source Survey Inventory

Building Name	Source				Substance	Capacity		Permitting								Emissions Included in PTE Calculations
	Type	Manufacturer	SCC	Model		Amount	Units	Permit Required	Permitted Currently	Permit Type	Permit Expiration Date	Permit Accurate ?	Combustion Adjustment Required?	Most Recent Combustion Ajustment Date	Combustion Adjustment Expiration Date	
ARMORY 101	BOILER 1	H.B.Smith	10300603	340-1	Nat Gas	1,400,000	btu/hr	Y	Y	GP-017A	04/05/2022	Y	N	N/A	N/A	Y
ARMORY 101	BOILER	H.B.Smith	10300603	340-1	Nat Gas	1,400,000	btu/hr	Y	Y	GP-017A	04/05/2022	Y	N	N/A	N/A	Y
FMS 104	FORCED AIR FURNACE	Powermatic	10500206	CA-35	Nat Gas	438,000	btu/hr	N	N	N/A	N/A	N/A	N	N/A	N/A	Y
FMS 102	FORCED AIR FURNACE	Powermatic	10500206	CA-35	Nat Gas	438,000	btu/hr	N	N	N/A	N/A	N/A	N	N/A	N/A	Y
FMS 102	FORCED AIR FURNACE	Powermatic	10500206	CA-35	Nat Gas	438,000	btu/hr	N	N	N/A	N/A	N/A	N	N/A	N/A	Y
FMS OUTSIDE	STORAGE TANK	Hoover Containment Inc.	2501000090/ 2501995090	UL 2085	Oil	2,000	gal	N	N	N/A	N/A	N/A	N	N/A	N/A	Y
ARMORY 106	VOC Containing Paint/ Solvent	Assorted	N/A	Assorted	Assorted paints/solvents	4,480	oz	N	N	N/A	N/A	N/A	N	N/A	N/A	Y

Table ST11
Sea Girt Armory Emission Source Survey Inventory

Building Name	Source				Substance	Capacity		Permitting								Emissions Included in PTE Calculations
	Type	Manufacturer	SCC	Model		Amount	Units	Permit Required	Permitted Currently	Permit Type	Permit Expiration Date	Permit Accurate ?	Combustion Adjustment Required?	Most Recent Combustion Ajustment Date	Combustion Adjustment Expiration Date	
QRTS 1 BASEMENT	BOILER	Munchkin	10300603	140M R2	Nat Gas	140,000.00	btu/hr	N	N	N/A	N/A	N/A	N	N/A	N/A	Y
BUILDING 3	BOILER	Weil-Mclain	10300603	CGI-4-PIN	Nat Gas	100,000.00	btu/hr	N	N	N/A	N/A	N/A	N	N/A	N/A	Y
QRTS 6 KITCHEN	WATER HEATER	A.O. SMITH	10300603	GCV40300	Nat Gas	40,000.00	btu/hr	N	N	N/A	N/A	N/A	N	N/A	N/A	Y
BUILDING 8 ROOM 214	HOT WATER HEATER	A.O. SMITH	10300603	BTC365A970	Nat Gas	365,000.00	btu/hr	N	N	N/A	N/A	N/A	N	N/A	N/A	Y
BUILDING 8 ROOM 214	HOT WATER HEATER	A.O. SMITH	10300603	BTC365A970	Nat Gas	365,000.00	btu/hr	N	N	N/A	N/A	N/A	N	N/A	N/A	Y
BUILDING 8 ROOM 214	HOT WATER HEATER	A.O. SMITH	10300603	BTC365A970	Nat Gas	365,000.00	btu/hr	N	N	N/A	N/A	N/A	N	N/A	N/A	Y
OUTSIDE	BBQ	Crown Verity	10500206	MCB60	Nat Gas	15,000.00	btu/hr	N	N	N/A	N/A	N/A	N	N/A	N/A	N
BUILDING 11	HOT WATER HEATER	A.O. SMITH	10300603	BTC 365A 962	Nat Gas	365,000.00	btu/hr	N	N	N/A	N/A	N/A	N	N/A	N/A	Y
BUILDING 11	BOILER1	Heat Transfer Products	10300603	mod con 500	Nat Gas	500,000.00	btu/hr	N	N	N/A	N/A	N/A	N	N/A	N/A	Y
BUILDING 11	BOILER2	Heat Transfer Products	10300603	modcon500VWH	Nat Gas	500,000.00	btu/hr	N	N	N/A	N/A	N/A	N	N/A	N/A	Y
BUILDING 15	FURNACE	Carrier Weathermaker 9200	10500206	58MXA120-20	Nat Gas	100,000.00	btu/hr	N	N	N/A	N/A	N/A	N	N/A	N/A	Y
BUILDING 16	HOT WATER HEATER	N/A	10300603	BTH 400A 200	Nat Gas	399,900.00	btu/hr	N	N	N/A	N/A	N/A	N	N/A	N/A	Y
BUILDING 22	FURNACE	York	10500206	PHDD20N11501B	Nat Gas	125,000.00	btu/hr	N	N	N/A	N/A	N/A	N	N/A	N/A	Y
BUILDING 22	FURNACE	York	10500206	PHDD20N11501B	Nat Gas	125,000.00	btu/hr	N	N	N/A	N/A	N/A	N	N/A	N/A	Y
BUILDING 22	FURNACE	York	10500206	PHDD20N11501B	Nat Gas	125,000.00	btu/hr	N	N	N/A	N/A	N/A	N	N/A	N/A	Y
BUILDING 23	FURNACE	A.O. SMITH	10500206	CP9C100C20MP12CB	Nat Gas	100,000.00	btu/hr	N	N	N/A	N/A	N/A	N	N/A	N/A	Y
BUILDING 23	FURNACE	York	10500206	PHDD20N11501B	Nat Gas	125,000.00	btu/hr	N	N	N/A	N/A	N/A	N	N/A	N/A	Y
BUILDING 23	FURNACE	York	10500206	PHDD20N11501B	Nat Gas	125,000.00	btu/hr	N	N	N/A	N/A	N/A	N	N/A	N/A	Y
BUILDING 23	HOT WATER HEATER	A.O. Smith	10300603	BTC 200 972	Nat Gas	199,000.00	btu/hr	N	N	N/A	N/A	N/A	N	N/A	N/A	Y
BUILDING 24	FURNACE	York	10500206	PHDD20N11501B	Nat Gas	125,000.00	btu/hr	N	N	N/A	N/A	N/A	N	N/A	N/A	Y
BUILDING 24	FURNACE	N/A	10500206	CP9C100C20MP12CB	Nat Gas	100,000.00	btu/hr	N	N	N/A	N/A	N/A	N	N/A	N/A	Y
BUILDING 24	FURNACE	N/A	10500206	GY9S135D2OUP11H	Nat Gas	135,000.00	btu/hr	N	N	N/A	N/A	N/A	N	N/A	N/A	Y
BUILDING 54	HEATER	Lennox	10500206	LGH150S4BH1Y	Nat Gas	240,000.00	btu/hr	N	N	N/A	N/A	N/A	N	N/A	N/A	Y
BUILDING 60 DOOR 2	HEATER	Modine	10500206	pv175ae0130	Nat Gas	175,000.00	btu/hr	N	N	N/A	N/A	N/A	N	N/A	N/A	Y
BUILDING 60 DOOR 2	HEATER	Modine	10500206	pv175ae0130	Nat Gas	175,000.00	btu/hr	N	N	N/A	N/A	N/A	N	N/A	N/A	Y
BUILDING 60 DOOR 2	BOILER	H.B. Smith	10300603	g300-s/w/6	Nat Gas	375,000.00	btu/hr	N	N	N/A	N/A	N/A	N	N/A	N/A	Y
BUILDING 60 DOOR 4	SPACE HEATER	Modine	10500206	PV175AE0130	Nat Gas	175,000.00	btu/hr	N	N	N/A	N/A	N/A	N	N/A	N/A	Y
BUILDING 60 DOOR 4	SPACE HEATER	Modine	10500206	PV175AE0130	Nat Gas	175,000.00	btu/hr	N	N	N/A	N/A	N/A	N	N/A	N/A	Y
BUILDING 60 DOOR 4	SPACE HEATER	Modine	10500206	PV175AE0130	Nat Gas	175,000.00	btu/hr	N	N	N/A	N/A	N/A	N	N/A	N/A	Y
BUILDING 60 DOOR 7	SPACE HEATER	Modine	10500206	PV100AE0130	Nat Gas	100,000.00	btu/hr	N	N	N/A	N/A	N/A	N	N/A	N/A	Y
BUILDING 60 DOOR 7	HEATER	Modine	10500206	pv100ae00130	Nat Gas	100,000.00	btu/hr	N	N	N/A	N/A	N/A	N	N/A	N/A	Y
BUILDING 60 DOOR 7	HEATER	Modine	10500206	pv175ae0130	Nat Gas	175,000.00	btu/hr	N	N	N/A	N/A	N/A	N	N/A	N/A	Y
BUILDING 60 DOOR 7	BOILER	Vifssmann	10300603	w82b60	Nat Gas	212,000.00	btu/hr	N	N	N/A	N/A	N/A	N	N/A	N/A	Y
BUILDING 60 DOOR 11	FORCED AIR HEATER	Modine	10500206	PV100AE0130	Nat Gas	100,000.00	btu/hr	N	N	N/A	N/A	N/A	N	N/A	N/A	Y
BUILDING 60	FORCED AIR FURNACE	Coleman Evcon	10500206	G8C12520MUD11A	Nat Gas	12,500.00	btu/hr	N	N	N/A	N/A	N/A	N	N/A	N/A	Y
BUILDING 66	FORCED AIR HEATER	Magic Chef	10500206	G66-200-5	Nat Gas	200,000.00	btu/hr	N	N	N/A	N/A	N/A	N	N/A	N/A	Y
BUILDING 11	BOILER 1	Weil-Mclain	10300603	1694	Nat Gas	500,000.00	btu/hr	N	N	N/A	N/A	N/A	N	N/A	N/A	Y
BUILDING 11	HOT WATER HEATER	Superstor Ultra	10300603	ssu-119cb	Nat Gas	200.00	btu/hr	N	N	N/A	N/A	N/A	N	N/A	N/A	Y
BUILDING 11	HOT WATER HEATER BOILER	Munchkin Vwh	10300603	399VWHPS R2	Nat Gas	399,000.00	btu/hr	N	N	N/A	N/A	N/A	N	N/A	N/A	Y
BUILDING 11	BOILER 1	Weil-Mclain	10300603		Nat Gas	2,800,000.00	btu/hr	Y	Y	GP-017A	06/15/2022	Y	N	N/A	N/A	Y
BUILDING 11	BOILER #2	Well Mclain	10300603	Series 2	Nat Gas	2,450,000.00	btu/hr	Y	Y	GP-017A	06/15/2022	Y	N	N/A	N/A	Y
B17	HOT WATER HEATER	AO Smith	10300603	BTR 250A 110	Nat Gas	250,000.00	btu/hr	N	N	N/A	N/A	N/A	N	N/A	N/A	Y
B18	SPLIT UNIT	Coleman	10500206	CP9C100C16MP12CB	Nat Gas	100,000.00	btu/hr	N	N	N/A	N/A	N/A	N	N/A	N/A	Y
B18	HOT WATER HEATER	AO Smith	10300603	BTR 250A 110	Nat Gas	250,000.00	btu/hr	N	N	N/A	N/A	N/A	N	N/A	N/A	Y
B18	SPLIT UNIT	Coleman	10500206	CP9C100C16MP12CB	Nat Gas	100,000.00	btu/hr	N	N	N/A	N/A	N/A	N	N/A	N/A	Y
B21	HOT WATER HEATER	AO Smith	10300603	BTC 200 972	Nat Gas	199,000.00	btu/hr	N	N	N/A	N/A	N/A	N	N/A	N/A	Y
B20	HOT WATER HEATER	AO Smith	10300603	BTC 200 972	Nat Gas	199,000.00	btu/hr	N	N	N/A	N/A	N/A	N	N/A	N/A	Y
B15	HEAT PUMP/ CENTRAL COOLING AC UNIT	YORK	10500206	MC60D3XC1A	Nat Gas	120,000.00	btu/hr	N	N	N/A	N/A	N/A	N	N/A	N/A	Y
B16	WH6A	AO SMITH	10300603	BTH 400A 200	Nat Gas	399,900.00	btu/hr	N	N	N/A	N/A	N/A	N	N/A	N/A	Y
B66	AIR & HEAT UNIT		10500206	DHUC-F060N125A	Nat Gas	125,000.00	btu/hr	N	N	N/A	N/A	N/A	N	N/A	N/A	Y
BLDG 22 RM111	HOT WATER HEATER	A.O. Smith	10300603	BTC 200 972	Nat Gas	199,000.00	btu/hr	N	N	N/A	N/A	N/A	N	N/A	N/A	Y
BLDG 24 RM 101	HEATER	York	10500206	PS9D20N120UP11A	Nat Gas	20,000.00	btu/hr	N	N	N/A	N/A	N/A	N	N/A	N/A	Y
BUILDING 65	FORCED AIR	MODINE	10500206	PD100AE1030	Nat Gas	100,000.00	btu/hr	N	N	N/A	N/A	N/A	N	N/A	N/A	Y
BUILDING 68	FORCED AIR	MODINE	10500206	PAE145AC	Nat Gas	145,000.00	btu/hr	N	N	N/A	N/A	N/A	N	N/A	N/A	Y
BUILDING 68	FORCED AIR	MODINE	10500206	PAE145AC	Nat Gas	145,000.00	btu/hr	N	N	N/A	N/A	N/A	N	N/A	N/A	Y
BUILDING 65	FORCED AIR	LENNOX	10500206	CH33-62D-2F-2	Nat Gas	UNK	btu/hr	N	N	N/A	N/A	N/A	N	N/A	N/A	Y
BUILDING 2	GENERATOR	CATERPILLAR	20300101	3208	DIESEL	200.00	kw	Y	Y	GP-005A	6/15/2022	Y	N	N/A	N/A	Y
BUILDING 2	GENERATOR	CATERPILLAR	20300101	3208	DIESEL	200.00	kw	Y	Y	GP-005A	6/15/2022	Y	N	N/A	N/A	Y
NEW Building	NEW GENERATOR	KOHLER	20300101	750RE0ZMD	DIESEL	900.00	kw	Y	Y	GP-005A	6/15/2022	Y	N	N/A	N/A	N
NEW Building	NEW GENERATOR	KOHLER	20300101	750RE0ZMD	DIESEL	900.00	kw	Y	Y	GP-005A	6/15/2022	Y	N	N/A	N/A	N
BLDG 73	GENERATOR	Cummins	10300602	4048K401	NATURAL GAS	161.00	kw	N	N	N/A	N/A	N/A	N	N/A	N/A	Y
Crime Lab	Generator	Onan	10300602	15.0JC-4R/17200AA	NATURAL GAS	15.00	kw	N	N	N/A	N/A	N/A	N	N/A	N/A	Y
bldg 59	Gasoline /diesel dispensing pump	convault	2501000090/ 2501995092	wrne 1000 3s	gas\diesel	1000\1000	gal	Y	Y	GP-004A	6/5/2022	Y	N	N/A	N/A	Y
Old FMS - 36	N/A	N/A	2501000090/ 2501995093		Diesel	2,000.00	gal	N	N	N/A	N/A	N/A	N	N/A	N/A	Y
Site Wide	VOC Containing Paint/ Solvent	Assorted	N/A	Assorted	Assorted paints/solvent s	17,349.25	oz	N	N	N/A	N/A	N/A	N	N/A	N/A	Y
FMS	Parts Washer	Walker Special	N/A	1	Mineral Spirits	100	gal	N	N	N/A	N/A	N/A	N	N/A	N/A	Y
FMS	PARTS WASHER	Inland Technology	N/A	TT48M6	Breakthrough	N/A	N/A	N	N	N/A	N/A	N/A	N	N/A	N/A	N
MED/GIB	HOT WATER HEATER	HTP	10300603	PH130-119S	Natural Gas	130,000	btu/hr	N	N	N/A	N/A	N/A	N	N/A	N/A	N
MED/GIB	HOT WATER HEATER	HTP	10300603	PH130-119S	Natural Gas	130,000	btu/hr	N	N	N/A	N/A	N/A	N	N/A	N/A	N
FMS	Split Unit	Trane	10500206	4TXCB003DS3HCAA	NATURAL GAS		btu/hr	N	N	N/A	N/A	N/A	N	N/A	N/A	N
FMS	Split Unit	Trane	10500206	4PXCBU48BS3HAAA	NATURAL GAS	48,000	btu/hr	N	N	N/A	N/A	N/A	N	N/A	N/A	N
FMS	Split Unit	Trane	10500206	4PXCBU48BS3HAAA	NATURAL GAS	48,000	btu/hr	N	N	N/A	N/A	N/A	N	N/A	N/A	N
FMS	IR Heater	Reznor	10500206	VPS-80	NATURAL GAS	80,000	btu/hr	N	N	N/A	N/A	N/A	N	N/A	N/A	N
FMS	IR Heater	Reznor	10500206	VPS-80	NATURAL GAS	80,000	btu/hr	N	N	N/A	N/A	N/A	N	N/A	N/A	N
FMS	IR Heater	Reznor	10500206	VPS-80	NATURAL GAS	80,000	btu/hr	N	N	N/A	N/A	N/A	N	N/A	N/A	N
FMS	IR Heater	Reznor	10500206	VPS-80	NATURAL GAS	80,000	btu/hr	N	N	N/A	N/A	N/A	N	N/A	N/A	N
FMS	Space Heater	Reznor	10500206	UDAS-125	NATURAL GAS	120,000	btu/hr	N	N	N/A	N/A	N/A	N	N/A	N/A	N
FMS	Space Heater	Reznor	10500206	UDAS-125	NATURAL GAS	120,000	btu/hr	N	N	N/A	N/A	N/A	N	N/A	N/A	N
FMS	Space Heater	Reznor	10500206	UDAS-125	NATURAL GAS	120,000	btu/hr	N	N	N/A	N/A	N/A	N	N/A	N/A	N
FMS	Space Heater	Reznor	10500206	UDAS-125	NATURAL GAS	120,000	btu/hr	N	N	N/A	N/A	N/A	N	N/A	N/A	N
FMS	Space Heater	Reznor	10500206	UDAS-200	NATURAL GAS	200,000	btu/hr	N	N	N/A	N/A	N/A	N	N/A	N/A	N
FMS	HOT WATER HEATER	A.O. SMITH	10300603	BTX-80 120	NATURAL GAS	76,000	btu/hr	N	N	N/A	N/A	N/A	N	N/A	N/A	N
FMS	HOT WATER HEATER	A.O. SMITH	10300603	BTX-80 120	NATURAL GAS	76,000	btu/hr	N	N	N/A	N/A	N/A	N	N/A	N/A	N
FMS	DUST COLLECTOR	DONALDSON	N/A	DFE2-8	Electric	N/A	N/A	Y	N	GP-016A	6/11/2024	Y	N	N/A	N/A	Y

Table SS11
Somerset Armory Emission Source Survey Inventory

Building Name	Source				Substance	Capacity		Permitting								Emissions Included in PTE Calculations
	Type	Manufacturer	SCC	Model		Amount	Units	Permit Required	Permitted Currently	Permit Type	Permit Expiration Date	Permit Accurate ?	Combustion Adjustment Required?	Most Recent Combustion Ajustment Date	Combustion Adjustment Expiration Date	
ARMORY 108	Boiler 1	H.B. Smith	10300603	M450L Mills	Nat Gas	3,500,000	btu/hr	Y	Y	GP-017A	04/05/2022	Y	N	N/A	N/A	Y
ARMORY 108	Boiler 2	H.B. Smith	10300603	M450L Mills	Nat Gas	3,500,000	btu/hr	Y	Y	GP-017A	04/05/2022	Y	N	N/A	N/A	Y
ARMORY 108	Water Heater	AO Smith	10300603	FCG 75 300	Nat Gas	75,100	btu/hr	N	N	N/A	N/A	N/A	N	N/A	N/A	Y
FMS-10	Boiler	Burnham	10300501	V904A	oil	588,000	btu/hr	N	N	N/A	N/A	N/A	N	N/A	N/A	Y
DTMB-1	INFRARED HEATER	Space-Ray	10500206	UNKNOWN	Nat Gas	200,000	btu/hr	N	N	N/A	N/A	N/A	N	N/A	N/A	Y
DTMB-1	INFRARED HEATER	Space-Ray	10500206	UNKNOWN	Nat Gas	200,000	btu/hr	N	N	N/A	N/A	N/A	N	N/A	N/A	Y
OUTSIDE ARMORY	GENERATOR	Cummins	20300101	DGDA-5565987	Diesel	835,883	btu/hr	N	N	N/A	N/A	N/A	N	N/A	N/A	Y
OutsideFMS	Storage Tank	Hoover Vault Tank	2501000090/ 2501995090	Unknown	Oil	2,000	gal	N	N	N/A	N/A	N/A	N	N/A	N/A	Y
FMS-9	Rattlecans	Skilcraft	N/A	Assorted	Assorted paints/solvents	468	oz	N	N	N/A	N/A	N/A	N	N/A	N/A	Y

Table TK11
Teaneck Armory Emission Source Survey Inventory

Building Name	Source				Substance	Capacity		Permitting								Emissions Included in PTE Calculations
	Type	Manufacturer	SCC	Model		Amount	Units	Permit Required	Permitted Currently	Permit Type	Permit Expiration Date	Permit Accurate ?	Combustion Adjustment Required?	Most Recent Combustion Ajustment Date	Combustion Adjustment Expiration Date	
ARMORY	BOILER NO. 1	SMITH CAST IRON BOILERS	10300603	6500A	Nat Gas	13,492,500	btu/hr	Y	Y	PCP 070001	03/26/2023	Y	Y	2/14/2019	2/14/2020	Y
ARMORY	BOILER NO. 2	SMITH CAST IRON BOILERS	10300603	6500A	Nat Gas	13,492,500	btu/hr	Y	Y	PCP 070001	3/26/2023	Y	Y	2/14/2019	2/14/2020	Y
ARMORY	HOT WATER HEATER	A.O. SMITH PREFFERED	10300603	BTF 80 200	Nat Gas	80,000	btu/hr	N	N	N/A	N/A	N/A	N	N/A	N/A	Y
OMS	BOILER	SMITH CAST IRON BOILERS	10300603	28A	Nat Gas	1,827,000	btu/hr	Y	Y	GP-017A	05/19/2022	Y	N	N/A	N/A	Y
DRIVE THRU BAY	SPACE HEATER	SPACE-RAY	10500206	LTU8200-N7	Nat Gas	2,000,000	btu/hr	N	N	N/A	N/A	N/A	N	N/A	N/A	Y
DRIVE THRU BAY	SPACE HEATER	SPACE-RAY	10500206	LTU8200-N8	Nat Gas	200,000	btu/hr	N	N	N/A	N/A	N/A	N	N/A	N/A	Y
DRIVE THRU BAY	HOT WATER HEATER	N/A	10300603	BTH 150 100	Nat Gas	150,000	btu/hr	N	N	N/A	N/A	N/A	N	N/A	N/A	Y
FMS & OMS	Containing Paint/ So	Assorted	N/A	Assorted	Assorted paints/solvents	2,280	oz	N	N	N/A	N/A	N/A	N	N/A	N/A	Y
FMS	Parts Washer	Walker Special	N/A	1	Mineral Spirits	100	gal	N	N	N/A	N/A	N/A	N	N/A	N/A	Y
FMS	Welding Operations	N/A	N/A	N/A	N/A	0	N/A	N	N	N/A	N/A	N/A	N	N/A	N/A	N

Table TR11
Toms River Armory Emission Source Survey Inventory

Building Name	Source				Substance	Capacity		Permitting								Emissions Included in PTE Calculations
	Type	Manufacturer	SCC	Model		Amount	Units	Permit Required	Permitted Currently	Permit Type	Permit Expiration Date	Permit Accurate ?	Combustion Adjustment Required?	Most Recent Combustion Ajustment Date	Combustion Adjustment Expiration Date	
ARMORY	HOT WATER HEATER	AO Smith	10300603	FCG 75 300	Nat Gas	75,100.00	btu/hr	N	N	N/A	N/A	N/A	N	N/A	N/A	Y
ARMORY	BOILER	Aerco/Unical	10300603	MLX606H	Nat Gas	606,000.00	btu/hr	N	N	N/A	N/A	N/A	N	N/A	N/A	Y
ARMORY	BOILER	HB SMITH	10300603	M8G-50	Nat Gas	606,000.00	btu/hr	N	N	N/A	N/A	N/A	N	N/A	N/A	Y
MVSB	HEATER	Powematic	10300603	UH-140	Nat Gas	175,000.00	btu/hr	N	N	N/A	N/A	N/A	N	N/A	N/A	Y
MVSB	HEATER	Powematic	10300603	UH-140	Nat Gas	175,000.00	btu/hr	N	N	N/A	N/A	N/A	N	N/A	N/A	Y
ARMORY-DRILL	HEATER	GREENHECK	10300603	PVF400H	Nat Gas	400,000.00	btu/hr	N	N	N/A	N/A	N/A	N	N/A	N/A	Y
ARMORY-DRILL	FURNACE	Weather King	10500206	90RJ10EGS01	Nat Gas	105,000.00	btu/hr	N	N	N/A	N/A	N/A	N	N/A	N/A	Y
ARMORY-DRILL	FURNACE	Weather King	10500206	90RJ04EES01	Nat Gas	45,000.00	btu/hr	N	N	N/A	N/A	N/A	N	N/A	N/A	Y
ARMORY-DRILL	FURNACE	Weather King	10500206	90RJ04EES01	Nat Gas	45,000.00	btu/hr	N	N	N/A	N/A	N/A	N	N/A	N/A	Y
ARMORY-112	FURNACE	Weather King	10500206	90RJ12EHS01	Nat Gas	120,000.00	btu/hr	N	N	N/A	N/A	N/A	N	N/A	N/A	Y
ARMORY-105	FURNACE	Weather King	10500206	90RJ10EGS01	Nat Gas	105,000.00	btu/hr	N	N	N/A	N/A	N/A	N	N/A	N/A	Y
ARMORY-123	FURNACE	Weather King	10500206	90RJ10EGS01	Nat Gas	105,000.00	btu/hr	N	N	N/A	N/A	N/A	N	N/A	N/A	Y
UTMB	BOILER	The H.B. Smith Co Inc	10300603	N/A	Nat Gas	770,000.00	btu/hr	N	N	N/A	N/A	N/A	N	N/A	N/A	Y
ARMORY-DRILL	SPACE HEATER	Superior Radiant Products	10500206	LTX80	Nat Gas	80,000.00	btu/hr	N	N	N/A	N/A	N/A	N	N/A	N/A	Y
ARMORY-DRILL	SPACE HEATER	Superior Radiant Products	10500206	LTX80	Nat Gas	80,000.00	btu/hr	N	N	N/A	N/A	N/A	N	N/A	N/A	Y
ARMORY-DRILL	SPACE HEATER	Superior Radiant Products	10500206	LTX80	Nat Gas	80,000.00	btu/hr	N	N	N/A	N/A	N/A	N	N/A	N/A	Y
ARMORY-DRILL	SPACE HEATER	Superior Radiant Products	10500206	LTX80	Nat Gas	80,000.00	btu/hr	N	N	N/A	N/A	N/A	N	N/A	N/A	Y
MVSB	AST	N/A	2501000090/ 2501995090	N/A	Oil	275.00	gal	N	N	N/A	N/A	N/A	N	N/A	N/A	N
UTMB	AST	CONVOLT	2501000090/ 2501995091	SPECIAL	Oil	1,000.00	gal	N	N	N/A	N/A	N/A	N	N/A	N/A	N
Armory & FMS	VOC Containing Paint/ Solvent	Assorted	N/A	Assorted	Assorted paints/solvents	1,714.00	oz	N	N	N/A	N/A	N/A	N	N/A	N/A	Y

Table TU11
Tuckerton Armory Emission Source Survey Inventory

Building Name	Source				Substance	Capacity		Permitting								Emissions Included in PTE Calculations
	Type	Manufacturer	SCC	Model		Amount	Units	Permit Required	Permitted Currently	Permit Type	Permit Expiration Date	Permit Accurate ?	Combustion Adjustment Required?	Most Recent Combustion Ajustment Date	Combustion Adjustment Expiration Date	
ARMORY	BOILER	Weil-McLain	10300603	HR-40-10	Nat Gas	2,655,000	btu/hr	Y	Y	GP-017A	4/5/2022	Y	N	N/A	N/A	Y

Table VD11
Vineland Armory Emission Source Survey Inventory

Building Name	Source				Substance	Capacity		Permitting								Emissions Included in PTE Calculations
	Type	Manufacturer	SCC	Model		Amount	Units	Permit Required	Permitted Currently	Permit Type	Permit Expiration Date	Permit Accurate ?	Combustion Adjustment Required?	Most Recent Combustion Ajustment Date	Combustion Adjustment Expiration Date	
FMS	WATER HEATER	Bock	10300501	71E	oil	173,000	btu/hr	N	N	N/A	N/A	N/A	N	N/A	N/A	Y
DTMB	WATER HEATER	Bradford White	10300603	EF100T150E3N2	nat gas	150,000	btu/hr	N	N	N/A	N/A	N/A	N	N/A	N/A	Y
ARMORY	BOILER	Weil-Mclain	10300603	H-1394WS	nat gas	4,340,000	btu/hr	Y	Y	GP-017A	05/03/2022	Y	N	N/A	N/A	Y
ARMORY	HOT WATER HEATER	A.O. Smith	10300603	BTR 154 110	nat gas	154,000	btu/hr	N	N	N/A	N/A	N/A	N	N/A	N/A	Y
FMS	BOILER	Weil-Mclain	10300501	678	oil	980,000	btu/hr	N	N	N/A	N/A	N/A	N	N/A	N/A	Y
DRIVE THROUGH BAY	IR HEATER	Vantage	10500206	CTH3-200	nat gas	200,000	btu/hr	N	N	N/A	N/A	N/A	N	N/A	N/A	Y
DRIVE THROUGH BAY	IR HEATER	Vantage	10500206	CTH3-200	nat gas	200,000	btu/hr	N	N	N/A	N/A	N/A	N	N/A	N/A	Y
FMS	STORAGE TANK	Empro	2501000090/ 2501995090	1500	oil	1,500	gal	N	N	N/A	N/A	N/A	N	N/A	N/A	Y
FMS	VOC Containing Paint/ Solvent	Assorted	N/A	Assorted	Assorted paints/solvents	3,127	oz	N	N	N/A	N/A	N/A	N	N/A	N/A	Y
FMS	PARTS WASHER	Inland Technology	N/A	IT-15DM3	Smart Washer	640	cans	N	N	N/A	N/A	N/A	N	N/A	N/A	Y

Table WT11
Washington Armory Emission Source Survey Inventory

Building Name	Source				Substance	Capacity		Permitting								Emissions Included in PTE Calculations
	Type	Manufacturer	SCC	Model		Amount	Units	Permit Required	Permitted Currently	Permit Type	Permit Expiration Date	Permit Accurate ?	Combustion Adjustment Required?	Most Recent Combustion Ajustment Date	Combustion Adjustment Expiration Date	
ARMORY	BOILER	Weil-McLain	10300501	894	OIL	2,464,000	btu/hr	Y	Y	GP-017A	04/21/2022	Y	Y	2/5/2019	2/5/2020	Y
ARMORY	HOT WATER HEATER	Bock	10300501	120E	OIL	155.000	btu/hr	N	N	N/A	N/A	N/A	N	N/A	N/A	Y
ARMORY	AST - #2 heating oil (WN1)	Unknown	2501000090/ 2501995090	Unknown	oil	4,000	gal	N	N	N/A	N/A	N/A	N	N/A	N/A	Y
ARMORY	Heating oil for water heater (WN2)	Unknown	2501000090/ 2501995091	Unknown	oil	275	gal	N	N	N/A	N/A	N/A	N	N/A	N/A	Y
ARMORY	Propane tank for boiler pilot (WN3)	Unknown	N/A	Unknown	propane	80	lbs	N	N	N/A	N/A	N/A	N	N/A	N/A	Y
FMS 101	Rattlecans	Assorted	N/A	Assorted	Assorted paints/solvents	177	oz	N	N	N/A	N/A	N/A	N	N/A	N/A	Y

Table WO11

West Orange Armory Emission Source Survey Inventory

Source						Capacity		Permitting								
Building Name	Type	Manufacturer	SCC	Model	Substance	Amount	Units	Permit Required	Permitted Currently	Permit Type	Permit Expiration Date	Permit Accurate	Combustion Adjustment Required?	Most Recent Combustion Adjustment Date	Combustion Adjustment Expiration Date	Emissions Included in PTE Calculations
122	BOILER	Smith	10300603	4500A	Nat Gas	4,888,000	btu/hr	Y	Y	GP-017	08/22/2021	Y	Y	2/13/2019	2/13/2020	Y
122	BOILER	Smith	10300603	4500A	Nat Gas	4,888,000	btu/hr	Y	Y	GP-017	08/22/2021	Y	Y	2/13/2019	2/13/2020	Y
CSMS 2	boiler 4	MACH	10300603	CM-399	Nat Gas	399,000	btu/hr	N	N	N/A	N/A	N/A	N	N/A	N/A	Y
CSMS 2	boiler 3	MACH	10300603	CM-399	Nat Gas	399,000	btu/hr	N	N	N/A	N/A	N/A	N	N/A	N/A	Y
CSMS 1	boiler 2	MACH	10300603	CM-399	Nat Gas	399,000	btu/hr	N	N	N/A	N/A	N/A	N	N/A	N/A	Y
CSMS 1	boiler 1	MACH	10300603	CM-399	Nat Gas	399,000	btu/hr	N	N	N/A	N/A	N/A	N	N/A	N/A	Y
CSMS1	Space Heater	Vantage	10500206	CTH3-200	Nat Gas	200,000	btu/hr	N	N	N/A	N/A	N/A	N	N/A	N/A	Y
CSMS1	Space Heater	Vantage	10500206	CTH3-200	Nat Gas	200,000	btu/hr	N	N	N/A	N/A	N/A	N	N/A	N/A	Y
CSMS1	Space Heater	Vantage	10500206	CTH3-200	Nat Gas	200,000	btu/hr	N	N	N/A	N/A	N/A	N	N/A	N/A	Y
CSMS1	Space Heater	Vantage	10500206	CTH3-200	Nat Gas	200,000	btu/hr	N	N	N/A	N/A	N/A	N	N/A	N/A	Y
COMPUTER FACILITY	BOILER	Smith	10300603	19A-SW-05	Nat Gas	725,000	btu/hr	N	N	N/A	N/A	N/A	N	N/A	N/A	Y
ARMORY Outside	GENERATOR	Kohler	20300101	80RE0ZJB	Diesel	876,992	btu/hr	N	N	N/A	N/A	N/A	N	N/A	N/A	Y
Armory 112 & 201	VOC Containing Paint/ Solvent	Assorted	N/A	Assorted	Assorted paints/solvents	7,271	oz	N	N	N/A	N/A	N/A	N	N/A	N/A	Y
CSMS 1&2	Welding Operations	N/A	N/A	N/A	N/A	N/A	N/A	N	N	N/A	N/A	N/A	N	N/A	N/A	N

Table WD11
Westfield Armory Emission Source Survey Inventory

Source					Substance	Capacity		Permitting								
Building Name	Type	Manufacturer	SCC	Model		Amount	Units	Permit Required	Permitted Currently	Permit Type	Permit Expiration Date	Permit Accurate	Combustion Adjustment Required?	Most Recent Combustion Adjustment Date	Combustion Adjustment Expiration Date	Emissions Included in PTE Calculations
ARMORY	BOILER 1 'Leader'	Crest	10300603	FBN2000	Nat gas	1,999,999	btu/hr	Y	Y	GP-017A	02/01/2023	Y	N	N/A	N/A	Y
ARMORY	BOILER 2 'Slave'	Crest	10300501	FBN2000	Oil	1,999,999	btu/hr	Y	Y	GP-017A	02/01/2023	Y	N	N/A	N/A	Y
FMS	BOILER	Flexaire	10300603	SDF-40-0FU	Nat gas	910,000	btu/hr	N	N	N/A	N/A	N/A	N	N/A	N/A	Y
OUTSIDE ARMORY	Storage tank	Highland Tank	2501000090/ 2501995090	unknown	Diesel	4,000	Gal	N	N	N/A	N/A	N/A	N	N/A	N/A	Y
OUTSIDE FMS	Storage tank	Unknown	2501000090/ 2501995090	unknown	Oil	2,000	Gal	N	N	N/A	N/A	N/A	N	N/A	N/A	N
ARMORY 128	VOC Containing Paint/ Solvent	Assorted	N/A	Assorted	Assorted paints/solvents	1,978	oz	N	N	N/A	N/A	N/A	N	N/A	N/A	Y

Table WE11
Woodbridge Armory Emission Source Survey Inventory

Source						Capacity		Permitting								
Building Name	Type	Manufacturer	SCC	Model	Substance	Amount	Units	Permit Required	Permitted Currently	Permit Type	Permit Expiration Date	Permit Accurate	Combustion Adjustment Required?	Most Recent Combustion Adjustment Date	Combustion Adjustment Expiration Date	Emissions Included in PTE Calculations
ARMORY 118	Boiler 1	H.B. Smith	10300603	340-1	Natural Gas	1,967,000	btu/hr	Y	Y	GP-017A	04/21/2022	Y	N	N/A	N/A	Y
ARMORY 118	Boiler 1	H.B. Smith	10300603	340-1	Natural Gas	1,967,000	btu/hr	Y	Y	GP-017A	04/21/2022	Y	N	N/A	N/A	Y

Table WY11

Woodbury Armory Emission Source Survey Inventory

Source						Capacity		Permitting								
Building Name	**Type**	**Manufacturer**	**SCC**	**Model**	**Substance**	**Amount**	**Units**	**Permit Required**	**Permitted Currently**	**Permit Type**	**Permit Expiration Date**	**Permit Accurate**	**Combustion Adjustment Required?**	**Most Recent Combustion Adjustment Date**	**Combustion Adjustment Expiration Date**	**Emissions Included in PTE Calculations**
ARMORY	BOILER	H.B. Smith Co.	10300603	Mill's Water Tube Boiler Series 44	NATURAL GAS	2,800,000	btu/hr	Y	Y	GP-017	08/08/2021	Y	N	N/A	N/A	Y
N/A	HOT WATER HEATER	Energy Saver	10300603	FSG 100 230	NATURAL GAS	75,000	btu/hr	N	N	N/A	N/A	N/A	N	N/A	N/A	Y
Armory	VOC Containing Paint/ Solvent	Assorted	N/A	Assorted	Assorted paints/solvents	11,551	oz	N	N	N/A	N/A	N/A	N	N/A	N/A	Y
ARMORY	PARTSWASHER	SmartWasher	N/A	Model 23	OZZYMAT	Unknown	Unknown	N	N	N/A	N/A	N/A	N	N/A	N/A	N

Table WN11

Woodstown Armory Emission Source Survey Inventory

Source						Capacity		Permitting								
Building Name	**Type**	**Manufacturer**	**SCC**	**Model**	**Substance**	**Amount**	**Units**	**Permit Required**	**Permitted Currently**	**Permit Type**	**Permit Expiration Date**	**Permit Accurate**	**Combustion Adjustment Required?**	**Most Recent Combustion Adjustment Date**	**Combustion Adjustment Expiration Date**	**Emissions Included in PTE Calculations**
ARMORY ROOF	HEATING	Rheem	10500205	L0CTDM 100	OIL	1,250,000	btu/hr	Y	Y	GP-017	06/11/2023	Y	N	N/A	N/A	Y
ARMORY	BOILER	Weil-McLain	10300501	model 94	OIL	4,200,000	btu/hr	Y	Y	GP-017	06/11/2023	Y	Y	1/31/2019	1/31/2020	Y
ARMORY	BOILER	Weil-McLain	10300501	model 94	OIL	4,200,000	btu/hr	Y	Y	GP-017	06/11/2023	Y	Y	1/31/2019	1/31/2020	Y
ARMORY	HOT WATER HEATER	Bradford White	10300501	MI70L3GF10	OIL	140,000	btu/hr	N	N	N/A	N/A	N/A	N	N/A	N/A	Y
ARMORY	STORAGE TANK	N/A	2501000090/ 2501995090	N/A	HEATING OIL	6,000	gal	N	N	N/A	N/A	N/A	N	N/A	N/A	Y
ARMORY	VOC Containing Paint/ Solvent	Assorted	N/A	Assorted	Assorted paints/solvents	5,274	oz	N	N	N/A	N/A	N/A	N	N/A	N/A	Y

Table 12

Emission Totals

Table AY12
Atlantic City Armory Emission Summary

Pollutant	Emission Summary		NJ State Limits (Tons/Year)
	PTE (Tons/Year)	Actual Emissions (Tons/Year)	
Primary Pollutants			
VOC	4.83E-01	5.47E-03	25
NOx	1.51E+01	2.29E-01	25
SOx	8.33E-01	3.04E-03	100
CO	4.80E+00	8.81E-02	100
PM, Filterable	9.27E-01	4.87E+00	100
HAPs			
PM10, Filterable	8.79E-01	2.78E-03	100
TOC	1.29E+00	1.34E-02	25
Acenaphthene	4.05E-06	1.37E-08	10
Acenaphthylene	1.43E-05	4.43E-08	10
Acetonitrile	0.00E+00	0.00E+00	10
Acetaldehyde	2.16E-03	6.46E-06	10
Acroleine	2.61E-04	7.79E-07	10
Acrylonitrile	0.00E+00	0.00E+00	10
Aluminum	0.00E+00	0.00E+00	10
Ammonia	1.22E-02	4.60E-04	10
Anthracene	5.33E-06	1.80E-08	10
Antimony	0.00E+00	0.00E+00	10
Arsenic (1)	4.98E-06	1.88E-07	10
Barium	1.10E-04	4.13E-06	10
Benzene(1)	2.68E-03	9.83E-06	10
Benzo(a)anthracene	4.78E-06	1.58E-08	10
Benzo(b)fluoranthene	4.48E-08	1.69E-09	10
Benzo(k)fluotanthene	3.09E-07	1.96E-09	10
Benzo(g,h,i)perylene	1.41E-06	5.25E-09	10
Benzo(a)pyrene	5.30E-07	1.58E-09	10
Benzo(e)pyrene	2.99E-07	1.13E-08	10
1,3-Butadiene(1)	1.10E-04	3.29E-07	10
Beryllium(1)	0.00E+00	0.00E+00	10
Carbon Disulfide	0.00E+00	0.00E+00	10
Cadmium(1)	2.74E-05	1.03E-06	10
Chromium(1)	3.49E-05	1.32E-06	10
Chrysene	3.09E-06	8.19E-08	10
Chloromethane	2.12E-05	7.99E-07	10
Cobalt(1)	2.99E-08	1.13E-09	10
Copper	0.00E+00	0.00E+00	10
Dibenz(a,h)anthracene	0.00E+00	0.00E+00	10
Dichlorodifluoromethane	0.00E+00	0.00E+00	10
1,2-Dichloroethane	0.00E+00	0.00E+00	10
Total dioxin/furan compounds	0.00E+00	0.00E+00	10
Dibenz(a,h)anthracene	1.67E-06	6.04E-09	10
Dichlorodifluoromethane	0.00E+00	0.00E+00	10
1,2-Dichloroethane	0.00E+00	0.00E+00	10
Ethylbenzene	0.00E+00	0.00E+00	10
Ethylene	0.00E+00	0.00E+00	10
Fluoranthene	2.15E-05	6.69E-08	10
Fluorene	8.24E-05	2.49E-07	10
Formaldehyde(1)	5.20E-03	8.04E-05	10
1,2,3,4,7,8-Hexachlorodibenzofuran	0.00E+00	0.00E+00	10
Hexane	4.48E-02	1.69E-03	10
Hydrogen cyanide	0.00E+00	0.00E+00	10
Indeno(1,2,3-cd)pyrene	1.10E-06	4.85E-09	10
Lead(1)	1.25E-05	4.70E-07	10
Manganese(1)	9.46E-06	3.57E-07	10
Mercury Compounds(1)	6.48E-06	2.44E-07	10
Methylene Chloride	0.00E+00	0.00E+00	10
Napthalene(1)	2.54E-04	1.29E-06	10

Notes:

1. HAP - Hazardous Air Pollutant, AP-42
2. Total HAPs cannot exceed 10 tpy (NJAC 7:27-8.1, "Major Facility" definition).
3. Emission value in shaded blocks exceed State permitted levels and require a permit.
4. PTE is calculated based on all significant and insignificant stationary sources and applicable source operations.
5. Actual emissions are calculated based on all significant and insignificant stationary sources and applicable source operations.
6. Permitted emissions are levels that the facility's actual emissions cannot exceed.
7. Permitted emission limits are a compilation of all general permits PTE issued to this facility.

Nitric Acid	0.00E+00	0.00E+00	10
1,2,3,4,6,7,8,9 - Octachlorodibenzofuran	0.00E+00	0.00E+00	10
1,2,3,7,8-Pentachlorodibenzofurane	0.00E+00	0.00E+00	10
2,3,4,7,8-Pentachlorodibenzofuran	0.00E+00	0.00E+00	10
Phenanthrene	8.34E-05	2.64E-07	10
Propionaldehyde	0.00E+00	0.00E+00	10
Propylene	7.28E-03	2.17E-05	10
Pyrene	1.36E-05	4.50E-08	10
Poly Organic Matter (1)	0.00E+00	0.00E+00	10
Propylene (1)	0.00E+00	0.00E+00	10
N-Hexane(1)	4.48E-02	1.69E-03	10
Nickel(1)	5.23E-05	1.69E-03	10
Selenium(1)	5.98E-07	2.26E-08	10
Styrene	0.00E+00	0.00E+00	10
Sulfuric Acid	0.00E+00	0.00E+00	10
2,3,7,8-Tetrachlorodibenzofurane	0.00E+00	0.00E+00	10
Toluene(1)	1.24E-03	6.64E-06	10
1,1,1-Trichloroethane	0.00E+00	0.00E+00	10
1,2,4-Trimethylbenzene	0.00E+00	0.00E+00	10
m-Xylene, p-Xylene	0.00E+00	0.00E+00	10
o-Xylene	0.00E+00	0.00E+00	10
Zinc	7.22E-04	2.72E-05	10
Isomers of xylene (1)	8.04E-04	2.40E-06	10
Aldehydes	1.97E-01	5.90E-04	10
PM10, primary	1.31E-02	4.93E-04	100
PM2.5, filterable	8.79E-01	2.78E-03	100
PM2.5, primary	1.31E-02	4.93E-04	100
PM, condensable	8.57E-03	3.23E-04	10
Polycyclic aromatic hydrocarbons (PAH)	4.74E-04	1.41E-06	10
Total HAPs	3.40	0.03	
Greenhouse Gasses			
Carbon Dioxide	4.65E+02	1.39E+00	10
Total Greenhouse Gasses	4.65E+02	1.39E+00	

Table BT12
Bordentown Armory Emission Summary

Pollutant	Emission Summary		NJ State Limits (Tons/Year)
	PTE (Tons/Year)	Actual Emissions (Tons/Year)	
Primary Pollutants			
VOC	3.68E-02	1.75E-03	25
NOx	6.13E-01	3.25E-02	25
SOx	3.60E-03	1.91E-04	100
CO	5.04E-01	2.67E-02	100
PM, Filterable	0.00E+00	0.00E+00	100
HAPs			
PM10	0.00E+00	0.00E+00	100
TOC	6.59E-02	3.50E-03	25
Acenaphthene	1.08E-08	5.73E-10	10
Acenaphthylene	1.08E-08	5.73E-10	10
Acetonitrile	0.00E+00	0.00E+00	10
Acetaldehyde	0.00E+00	0.00E+00	10
Acroleine	0.00E+00	0.00E+00	10
Acrylonitrile	0.00E+00	0.00E+00	10
Aluminum	0.00E+00	0.00E+00	10
Ammonia	2.94E-03	1.56E-04	10
Anthracene	1.44E-08	7.64E-10	10
Antimony	0.00E+00	0.00E+00	10
Arsenic (1)	1.20E-06	6.37E-08	10
Barium	2.64E-05	1.40E-06	10
Benzene(1)	1.26E-05	6.69E-07	10
Benzo(a)anthracene	1.08E-08	5.73E-10	10
Benzo(b)fluoranthene	1.08E-08	5.73E-10	10
Benzo(k)fluotanthene	1.08E-08	5.73E-10	10
Benzo(g,h,i)perylene	7.19E-09	3.82E-10	10
Benzo(a)pyrene	7.19E-09	3.82E-10	10
Benzo(e)pyrene	0.00E+00	0.00E+00	10
1,3-Butadiene(1)	0.00E+00	0.00E+00	10
Beryllium(1)	7.19E-08	3.82E-09	10
Carbon Disulfide	0.00E+00	0.00E+00	10
Cadmium(1)	6.59E-06	3.50E-07	10
Chromium(1)	8.39E-06	4.46E-07	10
Chrysene	1.08E-08	5.73E-10	10
Chloromethane	0.00E+00	0.00E+00	10
Cobalt(1)	5.04E-07	2.67E-08	10
Copper	5.10E-06	2.71E-07	10
Dibenz(a,h)anthracene	7.19E-09	3.82E-10	10
Dichlorodifluoromethane	0.00E+00	0.00E+00	10
1,2-Dichloroethane	0.00E+00	0.00E+00	10
Total dioxin/furan compounds	0.00E+00	0.00E+00	10
Dibenz(a,h)anthracene	0.00E+00	0.00E+00	10
Dichlorodifluoromethane	0.00E+00	0.00E+00	10
1,2-Dichloroethane	0.00E+00	0.00E+00	10
Ethylbenzene	0.00E+00	0.00E+00	10
Ethylene	0.00E+00	0.00E+00	10
Fluoranthene	1.80E-08	9.55E-10	10
Fluorene	1.68E-08	8.92E-10	10
Formaldehyde(1)	4.50E-04	2.39E-05	10
1,2,3,4,7,8-Hexachlorodibenzofuran	0.00E+00	0.00E+00	10
Hexane	0.00E+00	0.00E+00	10
Hydrogen cyanide	0.00E+00	0.00E+00	10
Indeno(1,2,3-cd)pyrene	1.08E-08	5.73E-10	10
Lead(1)	3.00E-06	1.59E-07	10
Manganese(1)	2.28E-06	1.21E-07	10
Mercury Compounds(1)	1.56E-06	8.28E-08	10
Methylene Chloride	0.00E+00	0.00E+00	10
Napthalene(1)	0.00E+00	0.00E+00	10
Nitric Acid	3.66E-06	1.94E-07	10
1,2,3,4,6,7,8,9 - Octachlorodibenzofuran	0.00E+00	0.00E+00	10
1,2,3,7,8-Pentachlorodibenzofurane	0.00E+00	0.00E+00	10
2,3,4,7,8-Pentachlorodibenzofuran	0.00E+00	0.00E+00	10
Phenanthrene	1.02E-07	5.41E-09	10
Propionaldehyde	0.00E+00	0.00E+00	10
Propylene	0.00E+00	0.00E+00	10
Pyrene	3.00E-08	1.59E-09	10
Poly Organic Matter (1)	0.00E+00	0.00E+00	10

Notes:

1. HAP - Hazardous Air Pollutant, AP-42
2. Total HAPs cannot exceed 10 tpy (NJAC 7:27-8.1, "Major Facility" definition).
3. Emission value in shaded blocks exceed State permitted levels and require a permit.
4. PTE is calculated based on all significant and insignificant stationary sources and applicable source operations.
5. Actual emissions are calculated based on all significant and insignificant stationary sources and applicable source operations.
6. Permitted emissions are levels that the facility's actual emissions cannot exceed.
7. Permitted emission limits are a compilation of all general permits PTE issued to

Propylene (1)	0.00E+00	0.00E+00	10
N-Hexane(1)	1.08E-02	5.73E-04	10
Nickel(1)	1.26E-05	6.69E-07	10
Selenium(1)	1.44E-07	7.64E-09	10
Styrene	0.00E+00	0.00E+00	10
Sulfuric Acid	0.00E+00	0.00E+00	10
2,3,7,8-Tetrachlorodibenzofurane	0.00E+00	0.00E+00	10
Toluene(1)	2.04E-05	1.08E-06	10
1,1,1-Trichloroethane	0.00E+00	0.00E+00	10
1,2,4-Trimethylbenzene	0.00E+00	0.00E+00	10
m-Xylene, p-Xylene	0.00E+00	0.00E+00	10
o-Xylene	0.00E+00	0.00E+00	10
Zinc	1.74E-04	9.24E-06	10
Isomers of xylene (1)	0.00E+00	0.00E+00	10
2-Methyl Naphthalene	1.44E-07	7.64E-09	10
3-Methylcholanthrene	1.08E-08	5.73E-10	10
Dichlorobenzene, mixed isomers	7.19E-06	3.82E-07	10
Dimethylbenz(a)anthracene	9.59E-08	5.10E-09	10
Ethane	1.86E-02	9.87E-04	10
Molybdenum	6.59E-06	3.50E-07	10
n-Butane	1.26E-02	6.69E-04	10
n-Pentane	1.56E-02	8.28E-04	10
PM, condensable	3.42E-02	1.82E-03	10
PM, primary	4.56E-02	2.42E-03	10
PM10, filterable	1.14E-02	6.05E-04	100
PM10, primary	4.56E-02	2.42E-03	100
PM2.5, filterable	1.14E-02	6.05E-04	100
PM2.5, primary	4.56E-02	2.42E-03	100
Propane	9.59E-03	5.10E-04	10
Vanadium	1.38E-05	7.32E-07	10
Total HAPs	0.33	0.02	
Greenhouse Gasses			
Carbon Dioxide	7.19E+02	3.82E+01	10
Methane	1.38E-02	7.32E-04	10
Total Greenhouse Gasses	7.19E+02	3.82E+01	

Table BN12 Bridgeton Armory Emission Summary			
Pollutant	Emission Summary		NJ State Limits (Tons/Year)
	PTE (Tons/Year)	Actual Emissions (Tons/Year)	
Primary Pollutants			
VOC	9.90E-03	0.00E+00	100
NOx	2.33E-01	0.00E+00	100
SOx	1.12E-03	0.00E+00	100
CO	4.37E-02	0.00E+00	100
PM, Filterable	7.04E-03	0.00E+00	25
HAPs			
PM10	0.00E+00	0.00E+00	10
TOC	1.76E-03	0.00E+00	10
Acenaphthene	0.00E+00	0.00E+00	10
Acenaphthylene	0.00E+00	0.00E+00	10
Acetonitrile	0.00E+00	0.00E+00	10
Acetaldehyde	0.00E+00	0.00E+00	10
Acroleine	0.00E+00	0.00E+00	10
Acrylonitrile	0.00E+00	0.00E+00	10
Aluminum	0.00E+00	0.00E+00	10
Ammonia	0.00E+00	0.00E+00	10
Anthracene	0.00E+00	0.00E+00	10
Antimony	0.00E+00	0.00E+00	10
Arsenic (1)	0.00E+00	0.00E+00	10
Barium	0.00E+00	0.00E+00	10
Benzene(1)	0.00E+00	0.00E+00	10
Benzo(a)anthracene	0.00E+00	0.00E+00	10
Benzo(b)fluoranthene	0.00E+00	0.00E+00	10
Benzo(k)fluotanthene	0.00E+00	0.00E+00	10
Benzo(g,h,i)perylene	0.00E+00	0.00E+00	10
Benzo(a)pyrene	0.00E+00	0.00E+00	10
Benzo(e)pyrene	0.00E+00	0.00E+00	10
1,3-Butadiene(1)	0.00E+00	0.00E+00	10
Beryllium(1)	0.00E+00	0.00E+00	10
Carbon Disulfide	0.00E+00	0.00E+00	10
Cadmium(1)	0.00E+00	0.00E+00	10
Chromium(1)	0.00E+00	0.00E+00	10
Chrysene	0.00E+00	0.00E+00	10
Chloromethane	0.00E+00	0.00E+00	10
Cobalt(1)	0.00E+00	0.00E+00	10
Copper	0.00E+00	0.00E+00	10
Dibenz(a,h)anthracene	0.00E+00	0.00E+00	10
Dichlorodifluoromethane	0.00E+00	0.00E+00	10
1,2-Dichloroethane	0.00E+00	0.00E+00	10
Total dioxin/furan compounds	0.00E+00	0.00E+00	10
Dibenz(a,h)anthracene	0.00E+00	0.00E+00	10
Dichlorodifluoromethane	0.00E+00	0.00E+00	10
1,2-Dichloroethane	0.00E+00	0.00E+00	10
Ethylbenzene	0.00E+00	0.00E+00	10
Ethylene	0.00E+00	0.00E+00	10
Fluoranthene	0.00E+00	0.00E+00	10
Fluorene	0.00E+00	0.00E+00	10
Formaldehyde(1)	0.00E+00	0.00E+00	10
1,2,3,4,7,8-Hexachlorodibenzofuran	0.00E+00	0.00E+00	10
Hexane	0.00E+00	0.00E+00	10
Hydrogen cyanide	0.00E+00	0.00E+00	10
Indeno(1,2,3-cd)pyrene	0.00E+00	0.00E+00	10
Lead(1)	0.00E+00	0.00E+00	10
Manganese(1)	0.00E+00	0.00E+00	10
Mercury Compounds(1)	0.00E+00	0.00E+00	10
Methylene Chloride	0.00E+00	0.00E+00	10
Napthalene(1)	0.00E+00	0.00E+00	10
Nitric Acid	0.00E+00	0.00E+00	10
1,2,3,4,6,7,8,9 - Octachlorodibenzofuran	0.00E+00	0.00E+00	10
1,2,3,7,8-Pentachlorodibenzofurane	0.00E+00	0.00E+00	10
2,3,4,7,8-Pentachlorodibenzofuran	0.00E+00	0.00E+00	10
Phenanthrene	0.00E+00	0.00E+00	10
Propionaldehyde	0.00E+00	0.00E+00	10
Propylene	0.00E+00	0.00E+00	10

Notes:

1. HAP - Hazardous Air Pollutant, AP-42
2. Total HAPs cannot exceed 10 tpy (NJAC 7:27-8.1, "Major Facility" definition).
3. Emission value in shaded blocks exceed State permitted levels and require a permit.
4. PTE is calculated based on all significant and insignificant stationary sources and applicable source operations.
5. Actual emissions are calculated based on all significant and insignificant stationary sources and applicable source operations.
6. Permitted emissions are levels that the facility's actual emissions cannot exceed.
7. Permitted emission limits are a compilation of all general permits PTE issued to

Pyrene	0.00E+00	0.00E+00	10
Poly Organic Matter (1)	0.00E+00	0.00E+00	10
Propylene (1)	0.00E+00	0.00E+00	10
N-Hexane(1)	0.00E+00	0.00E+00	10
Nickel(1)	0.00E+00	0.00E+00	10
Selenium(1)	0.00E+00	0.00E+00	10
Styrene	0.00E+00	0.00E+00	10
Sulfuric Acid	0.00E+00	0.00E+00	10
2,3,7,8-Tetrachlorodibenzofurane	0.00E+00	0.00E+00	10
Toluene(1)	0.00E+00	0.00E+00	10
1,1,1-Trichloroethane	0.00E+00	0.00E+00	10
1,2,4-Trimethylbenzene	0.00E+00	0.00E+00	10
m-Xylene, p-Xylene	0.00E+00	0.00E+00	10
o-Xylene	0.00E+00	0.00E+00	10
Zinc	0.00E+00	0.00E+00	10
Isomers of xylene (1)	0.00E+00	0.00E+00	10
PM, condensable	1.23E-02	0.00E+00	10
PM10, filterable	7.04E-03	0.00E+00	100
PM10, primary	1.94E-02	0.00E+00	100
PM2.5, filterable	7.04E-03	0.00E+00	100
PM2.5, primary	1.94E-02	0.00E+00	100
Total HAPs	0.067	0.000	

Table CY12
Cape May Armory Emission Summary

Pollutant	Emission Summary		NJ State Limits (Tons/Year)
	PTE (Tons/Year)	Actual Emissions (Tons/Year)	
Primary Pollutants			
VOC	1.93E+00	3.85E-03	100
NOx	3.24E+00	1.23E-01	100
SOx	8.44E+00	3.11E-01	100
CO	7.12E-01	2.72E-02	100
PM, Filterable	2.43E-01	9.06E-03	25
HAPs			
PM10	0.00E+00	0.00E+00	10
TOC	7.09E-02	2.66E-03	10
Acenaphthene	1.16E-09	5.09E-11	10
Acenaphthylene	1.16E-09	5.09E-11	10
Acetonitrile	0.00E+00	0.00E+00	10
Acetaldehyde	0.00E+00	0.00E+00	10
Acroleine	0.00E+00	0.00E+00	10
Acrylonitrile	0.00E+00	0.00E+00	10
Aluminum	0.00E+00	0.00E+00	10
Ammonia	9.21E-02	3.39E-03	10
Anthracene	1.55E-09	6.79E-11	10
Antimony	0.00E+00	0.00E+00	10
Arsenic (1)	6.44E-05	4.73E-03	10
Barium	2.83E-06	1.24E-07	10
Benzene(1)	3.17E-04	1.17E-05	10
Benzo(a)anthracene	1.16E-09	5.09E-11	10
Benzo(b)fluoranthene	1.16E-09	5.09E-11	10
Benzo(k)fluotanthene	1.16E-09	5.09E-11	10
Benzo(g,h,i)perylene	7.73E-10	3.39E-11	10
Benzo(a)pyrene	7.73E-10	3.39E-11	10
Benzo(e)pyrene	0.00E+00	0.00E+00	10
1,3-Butadiene(1)	0.00E+00	0.00E+00	10
Beryllium(1)	4.82E-05	3.55E-03	10
Carbon Disulfide	0.00E+00	0.00E+00	10
Cadmium(1)	4.89E-05	3.55E-03	10
Chromium(1)	4.91E-05	3.55E-03	10
Chrysene	1.16E-09	5.09E-11	10
Chloromethane	0.00E+00	0.00E+00	10
Cobalt(1)	5.41E-08	2.38E-09	10
Copper	9.69E-05	7.10E-03	10
Dibenz(a,h)anthracene	7.73E-10	3.39E-11	10
Dichlorodifluoromethane	0.00E+00	0.00E+00	10
1,2-Dichloroethane	0.00E+00	0.00E+00	10
Total dioxin/furan compounds	0.00E+00	0.00E+00	10
Dibenz(a,h)anthracene	7.73E-10	3.39E-11	10
Dichlorodifluoromethane	0.00E+00	0.00E+00	10
1,2-Dichloroethane	0.00E+00	0.00E+00	10
Ethylbenzene	0.00E+00	0.00E+00	10
Ethylene	0.00E+00	0.00E+00	10
Fluoranthene	3.63E-07	1.34E-08	10
Fluorene	1.80E-09	7.92E-11	10
Formaldehyde(1)	7.05E-03	2.60E-04	10
1,2,3,4,7,8-Hexachlorodibenzofuran	0.00E+00	0.00E+00	10
Hexane	0.00E+00	0.00E+00	10
Hydrogen cyanide	0.00E+00	0.00E+00	10
Indeno(1,2,3-cd)pyrene	1.16E-09	5.09E-11	10
Lead(1)	1.45E-04	1.06E-02	10
Manganese(1)	9.66E-05	7.10E-03	10
Mercury Compounds(1)	4.84E-05	3.55E-03	10
Methylene Chloride	0.00E+00	0.00E+00	10
Napthalene(1)	3.93E-07	1.73E-08	10
Nitric Acid	0.00E+00	0.00E+00	10
1,2,3,4,6,7,8,9 - Octachlorodibenzofuran	0.00E+00	0.00E+00	10
1,2,3,7,8-Pentachlorodibenzofurane	0.00E+00	0.00E+00	10
2,3,4,7,8-Pentachlorodibenzofuran	0.00E+00	0.00E+00	10
Phenanthrene	1.10E-08	4.81E-10	10
Propionaldehyde	0.00E+00	0.00E+00	10
Propylene	0.00E+00	0.00E+00	10
Pyrene	3.22E-09	1.41E-10	10
Poly Organic Matter (1)	0.00E+00	0.00E+00	10
Propylene (1)	0.00E+00	0.00E+00	10

Notes:

1. HAP - Hazardous Air Pollutant, AP-42
2. Total HAPs cannot exceed 10 tpy (NJAC 7:27-8.1, "Major Facility" definition).
3. Emission value in shaded blocks exceed State permitted levels and require a permit.
4. PTE is calculated based on all significant and insignificant stationary sources and applicable source operations.
5. Actual emissions are calculated based on all significant and insignificant stationary sources and applicable source operations.
6. Permitted emissions are levels that the facility's actual emissions cannot exceed.
7. Permitted emission limits are a compilation of all general permits PTE issued to

N-Hexane(1)	1.16E-03	5.09E-05	10
Nickel(1)	4.96E-05	3.55E-03	10
Selenium(1)	2.41E-04	1.77E-02	10
Styrene	0.00E+00	0.00E+00	10
Sulfuric Acid	0.00E+00	0.00E+00	10
2,3,7,8-Tetrachlorodibenzofurane	0.00E+00	0.00E+00	10
Toluene(1)	2.19E-06	9.62E-08	10
1,1,1-Trichloroethane	0.00E+00	0.00E+00	10
1,2,4-Trimethylbenzene	0.00E+00	0.00E+00	10
m-Xylene, p-Xylene	0.00E+00	0.00E+00	10
o-Xylene	0.00E+00	0.00E+00	10
Zinc	8.29E-05	1.77E-05	10
Isomers of xylene (1)	0.00E+00	0.00E+00	10
PM, condensable	1.77E-01	6.71E-03	10
PM10, filterable	1.86E-02	1.25E-01	100
PM10, primary	1.62E-01	6.22E-03	100
PM2.5, filterable	1.38E-01	5.17E-03	100
PM2.5, primary	1.65E-01	6.38E-03	100
Polycyclic organic matter (POM)	1.24E-01	4.56E-03	10
Total non-methane organic compounds (TNMOC)	3.90E-02	1.44E-03	10
2-Methyl Naphthalene	1.55E-08	6.79E-10	10
3-Methylcholanthrene	1.16E-09	5.09E-11	10
Dichlorobenzene, mixed isomers	7.73E-07	3.39E-08	10
Dimethylbenz(a)anthracene	1.03E-08	4.53E-10	10
Ethane	2.00E-03	8.77E-05	10
Molybdenum	7.09E-07	3.11E-08	10
n-butane	1.35E-03	5.94E-05	10
n-pentane	1.67E-03	7.35E-05	10
Propane	1.03E-03	4.53E-05	10
Vanadium	1.48E-06	6.51E-08	10
Total HAPs	1.00	0.23	
Greenhouse Gasses			
Carbon Dioxide	7.73E+01	3.39E+00	10
Methane	2.63E-02	9.77E-04	10
Total Greenhouse Gasses	7.73E+01	3.40E+00	

Table CL12
Cherry Hill Armory Emission Summary

Pollutant	Emission Summary		NJ State Limits (Tons/Year)
	PTE (Tons/Year)	Actual Emissions (Tons/Year)	
Primary Pollutants			
VOC	3.97E-01	1.18E-02	100
NOx	2.99E+00	2.37E-01	100
SOx	1.30E+00	5.82E-02	100
CO	2.20E+00	1.84E-01	100
PM, Filterable	8.28E-02	5.61E-03	25
HAPs			
PM10	0.00E+00	0.00E+00	10
TOC	2.86E-01	2.40E-02	10
Acenaphthene	4.53E-08	3.85E-09	10
Acenaphthylene	4.53E-08	3.85E-09	10
Acetonitrile	0.00E+00	0.00E+00	10
Acetaldehyde	0.00E+00	0.00E+00	10
Acroleine	0.00E+00	0.00E+00	10
Acrylonitrile	0.00E+00	0.00E+00	10
Aluminum	0.00E+00	0.00E+00	10
Ammonia	2.63E-02	1.67E-03	10
Anthracene	6.04E-08	5.13E-09	10
Antimony	0.00E+00	0.00E+00	10
Arsenic (1)	1.48E-05	8.68E-04	10
Barium	1.11E-04	9.41E-06	10
Benzene(1)	1.01E-04	6.62E-06	10
Benzo(a)anthracene	4.53E-08	3.85E-09	10
Benzo(b)fluoranthene	0.00E+00	0.00E+00	10
Benzo(k)fluotanthene	0.00E+00	0.00E+00	10
Benzo(g,h,i)perylene	4.53E-08	3.85E-09	10
Benzo(a)pyrene	3.02E-08	2.57E-09	10
Benzo(e)pyrene	0.00E+00	0.00E+00	10
1,3-Butadiene(1)	0.00E+00	0.00E+00	10
Beryllium(1)	7.65E-06	6.51E-04	10
Carbon Disulfide	0.00E+00	0.00E+00	10
Cadmium(1)	3.50E-05	6.53E-04	10
Chromium(1)	4.26E-05	6.54E-04	10
Chrysene	4.53E-08	3.85E-09	10
Chloromethane	0.00E+00	0.00E+00	10
Cobalt(1)	2.11E-06	1.80E-07	10
Copper	3.61E-05	1.30E-03	10
Dibenz(a,h)anthracene	3.02E-08	2.57E-09	10
Dichlorodifluoromethane	0.00E+00	0.00E+00	10
1,2-Dichloroethane	0.00E+00	0.00E+00	10
Total dioxin/furan compounds	0.00E+00	0.00E+00	10
Dibenz(a,h)anthracene	0.00E+00	0.00E+00	10
Dichlorodifluoromethane	0.00E+00	0.00E+00	10
1,2-Dichloroethane	0.00E+00	0.00E+00	10
Ethylbenzene	0.00E+00	0.00E+00	10
Ethylene	0.00E+00	0.00E+00	10
Fluoranthene	1.31E-07	8.86E-09	10
Fluorene	7.04E-08	5.99E-09	10
Formaldehyde(1)	2.95E-03	2.08E-04	10
1,2,3,4,7,8-Hexachlorodibenzofuran	0.00E+00	0.00E+00	10
Hexane	0.00E+00	0.00E+00	10
Hydrogen cyanide	0.00E+00	0.00E+00	10
Indeno(1,2,3-cd)pyrene	4.53E-08	3.85E-09	10
Lead(1)	3.46E-05	1.95E-03	10
Manganese(1)	2.42E-05	1.30E-03	10
Mercury Compounds(1)	1.39E-05	6.52E-04	10
Methylene Chloride	0.00E+00	0.00E+00	10
Napthalene(1)	1.53E-05	1.30E-06	10
Nitric Acid	0.00E+00	0.00E+00	10
1,2,3,4,6,7,8,9 - Octachlorodibenzofuran	0.00E+00	0.00E+00	10
1,2,3,7,8-Pentachlorodibenzofurane	0.00E+00	0.00E+00	10
2,3,4,7,8-Pentachlorodibenzofuran	0.00E+00	0.00E+00	10
Phenanthrene	4.28E-07	3.64E-08	10
Propionaldehyde	0.00E+00	0.00E+00	10
Propylene	0.00E+00	0.00E+00	10
Pyrene	1.26E-07	1.07E-08	10
Poly Organic Matter (1)	1.89E-02	8.37E-04	10
Propylene (1)	0.00E+00	0.00E+00	10

Notes:

1. HAP - Hazardous Air Pollutant, AP-42
2. Total HAPs cannot exceed 10 tpy (NJAC 7:27-8.1, "Major Facility" definition).
3. Emission value in shaded blocks exceed State permitted levels and require a permit.
4. PTE is calculated based on all significant and insignificant stationary sources and applicable source operations.
5. Actual emissions are calculated based on all significant and insignificant stationary sources and applicable source operations.
6. Permitted emissions are levels that the facility's actual emissions cannot exceed.
7. Permitted emission limits are a compilation of all general permits PTE issued to

N-Hexane(1)	4.53E-02	3.85E-03	10
Nickel(1)	6.02E-05	6.55E-04	10
Selenium(1)	3.73E-05	3.26E-03	10
Styrene	0.00E+00	0.00E+00	10
Sulfuric Acid	0.00E+00	0.00E+00	10
2,3,7,8-Tetrachlorodibenzofurane	0.00E+00	0.00E+00	10
Toluene(1)	8.55E-05	7.27E-06	10
1,1,1-Trichloroethane	0.00E+00	0.00E+00	10
1,2,4-Trimethylbenzene	0.00E+00	0.00E+00	10
m-Xylene, p-Xylene	0.00E+00	0.00E+00	10
o-Xylene	0.00E+00	0.00E+00	10
Zinc	7.39E-04	6.51E-05	10
Isomers of xylene (1)	0.00E+00	0.00E+00	10
2-Methyl Naphthalene	6.04E-07	5.13E-08	10
3-Methylcholanthrene	4.53E-08	3.85E-09	10
Dichlorobenzene, mixed isomers	3.02E-05	2.57E-06	10
Dimethylbenz(a)anthracene	4.02E-07	3.42E-08	10
Ethane	7.80E-02	6.63E-03	10
Molybdenum	2.77E-05	2.35E-06	10
n-butane	5.28E-02	4.49E-03	10
n-pentane	6.54E-02	5.56E-03	10
PM, condensable	1.66E-01	1.32E-02	10
PM, primary	2.10E-01	1.71E-02	10
PM10, filterable	6.67E-02	4.90E-03	100
PM10, primary	2.10E-01	1.71E-02	100
PM2.5, filterable	6.67E-02	4.90E-03	100
PM2.5, primary	2.10E-01	1.71E-02	100
Propane	4.02E-02	3.42E-03	10
Vanadium	5.79E-05	4.92E-06	10
Total non-methane organic compounds (TNMOC)	5.95E-03	2.64E-04	10
Total HAPs (2)	1.55	0.14	
Greenhouse Gasses			
Carbon Dioxide	3.02E+03	2.57E+02	10
Methane	6.16E-02	5.09E-03	10
Total Greenhouse Gasses	3.02E+03	2.57E+02	

Table DR12 Dover Armory Emission Summary			
Pollutant	Emission Summary		NJ State Limits (Tons/Year)
	PTE (Tons/Year)	Actual Emissions (Tons/Year)	
Primary Pollutants			
VOC	7.15E-01	2.15E-03	100
NOx	1.47E+00	5.01E-02	100
SOx	8.68E-03	2.95E-04	100
CO	1.03E+00	3.49E-02	100
PM, Filterable	3.08E-02	1.05E-03	25
HAPs			
PM10	0.00E+00	0.00E+00	10
TOC	1.27E-01	4.30E-03	10
Acenaphthene	2.07E-08	7.04E-10	10
Acenaphthylene	2.07E-08	7.04E-10	10
Acetonitrile	0.00E+00	0.00E+00	10
Acetaldehyde	0.00E+00	0.00E+00	10
Acroleine	0.00E+00	0.00E+00	10
Acrylonitrile	0.00E+00	0.00E+00	10
Aluminum	0.00E+00	0.00E+00	10
Ammonia	5.64E-03	1.92E-04	10
Anthracene	2.76E-08	9.39E-10	10
Antimony	0.00E+00	0.00E+00	10
Arsenic (1)	2.30E-06	7.83E-08	10
Barium	5.06E-05	1.72E-06	10
Benzene(1)	2.42E-05	8.22E-07	10
Benzo(a)anthracene	2.07E-08	7.04E-10	10
Benzo(b)fluoranthene	2.07E-08	7.04E-10	10
Benzo(k)fluotanthene	2.07E-08	7.04E-10	10
Benzo(g,h,i)perylene	1.38E-08	4.70E-10	10
Benzo(a)pyrene	1.38E-08	4.70E-10	10
Benzo(e)pyrene	0.00E+00	0.00E+00	10
1,3-Butadiene(1)	0.00E+00	0.00E+00	10
Beryllium(1)	1.38E-07	4.70E-09	10
Carbon Disulfide	0.00E+00	0.00E+00	10
Cadmium(1)	1.27E-05	4.30E-07	10
Chromium(1)	1.61E-05	5.48E-07	10
Chrysene	2.07E-08	7.04E-10	10
Chloromethane	0.00E+00	0.00E+00	10
Cobalt(1)	9.67E-07	3.29E-08	10
Copper	9.78E-06	3.33E-07	10
Dibenz(a,h)anthracene	1.38E-08	4.70E-10	10
Dichlorodifluoromethane	0.00E+00	0.00E+00	10
1,2-Dichloroethane	0.00E+00	0.00E+00	10
Total dioxin/furan compounds	0.00E+00	0.00E+00	10
Dibenz(a,h)anthracene	0.00E+00	0.00E+00	10
Dichlorodifluoromethane	0.00E+00	0.00E+00	10
1,2-Dichloroethane	0.00E+00	0.00E+00	10
Ethylbenzene	0.00E+00	0.00E+00	10
Ethylene	0.00E+00	0.00E+00	10
Fluoranthene	3.45E-08	1.17E-09	10
Fluorene	3.22E-08	1.10E-09	10
Formaldehyde(1)	8.63E-04	2.93E-05	10
1,2,3,4,7,8-Hexachlorodibenzofuran	0.00E+00	0.00E+00	10
Hexane	0.00E+00	0.00E+00	10
Hydrogen cyanide	0.00E+00	0.00E+00	10
Indeno(1,2,3-cd)pyrene	2.07E-08	7.04E-10	10
Lead(1)	5.75E-06	1.96E-07	10
Manganese(1)	4.37E-06	1.49E-07	10
Mercury Compounds(1)	2.99E-06	1.02E-07	10
Methylene Chloride	0.00E+00	0.00E+00	10
Napthalene(1)	7.02E-06	2.39E-07	10
Nitric Acid	0.00E+00	0.00E+00	10
1,2,3,4,6,7,8,9 - Octachlorodibenzofuran	0.00E+00	0.00E+00	10
1,2,3,7,8-Pentachlorodibenzofurane	0.00E+00	0.00E+00	10
2,3,4,7,8-Pentachlorodibenzofuran	0.00E+00	0.00E+00	10
Phenanthrene	1.96E-07	6.65E-09	10
Propionaldehyde	0.00E+00	0.00E+00	10
Propylene	0.00E+00	0.00E+00	10
Pyrene	5.75E-08	1.96E-09	10
Poly Organic Matter (1)	0.00E+00	0.00E+00	10
Propylene (1)	0.00E+00	0.00E+00	10
N-Hexane(1)	2.07E-02	7.04E-04	10

Notes:

1. HAP - Hazardous Air Pollutant, AP-42
2. Total HAPs cannot exceed 10 tpy (NJAC 7:27-8.1, "Major Facility" definition).
3. Emission value in shaded blocks exceed State permitted levels and require a permit.
4. PTE is calculated based on all significant and insignificant stationary sources and applicable source operations.
5. Actual emissions are calculated based on all significant and insignificant stationary sources and applicable source operations.
6. Permitted emissions are levels that the facility's actual emissions cannot exceed.
7. Permitted emission limits are a compilation of all general permits PTE issued to

Nickel(1)	2.42E-05	8.22E-07	10
Selenium(1)	2.76E-07	9.39E-09	10
Styrene	0.00E+00	0.00E+00	10
Sulfuric Acid	0.00E+00	0.00E+00	10
2,3,7,8-Tetrachlorodibenzofurane	0.00E+00	0.00E+00	10
Toluene(1)	3.91E-05	1.33E-06	10
1,1,1-Trichloroethane	0.00E+00	0.00E+00	10
1,2,4-Trimethylbenzene	0.00E+00	0.00E+00	10
m-Xylene, p-Xylene	0.00E+00	0.00E+00	10
o-Xylene	0.00E+00	0.00E+00	10
Zinc	3.34E-04	1.13E-05	10
Isomers of xylene (1)	0.00E+00	0.00E+00	10
2-Methyl Naphthalene	2.76E-07	9.39E-09	10
3-Methylcholanthrene	2.07E-08	7.04E-10	10
Dichlorobenzene, mixed isomers	1.38E-05	4.70E-07	10
Dimethylbenz(a)anthracene	1.84E-07	6.26E-09	10
Ethane	3.57E-02	1.21E-03	10
Molybdenum	1.27E-05	4.30E-07	10
n-butane	2.42E-02	8.22E-04	10
n-pentane	2.99E-02	1.02E-03	10
PM, condensable	8.25E-02	2.80E-03	10
PM, primary	9.63E-02	3.28E-03	10
PM10, filterable	4.76E-02	1.62E-03	100
PM10, primary	9.63E-02	3.28E-03	100
PM2.5, filterable	4.76E-02	1.62E-03	100
PM2.5, primary	8.74E-02	2.97E-03	100
Propane	1.84E-02	6.26E-04	10
Vanadium	2.65E-05	9.00E-07	10
Total HAPs (2)	0.72	0.02	
Greenhouse Gasses			
Carbon Dioxide	1.38E+03	4.70E+01	10
Methane	2.65E-02	9.00E-04	10
Total Greenhouse Gasses	1.38E+03	4.70E+01	

Table FL12
Flemington Armory Emission Summary

Pollutant	Emission Summary		NJ State Limits (Tons/Year)
	PTE (Tons/Year)	Actual Emissions (Tons/Year)	
Primary Pollutants			
VOCs	0.20	0.00	10
SOx	9.36	0.20	100
CO	0.61	0.01	100
PM, Filterable	0.24	0.01	100
TOC	0.06757902	0.00	25
HAPs			
PM10	0	0	100
Acenaphthene	0	0.00E+00	10
Acenaphthylene	0	0.00E+00	10
Acetonitrile	0	0	10
Acetaldehyde	0	0	10
Acroleine	0	0	10
Acrylonitrile	0	0	10
Aluminum	0	0	10
Ammonia	0.1019664	2.22E-03	10
Anthracene	0	0.00E+00	10
Antimony	0	0	10
Arsenic (1)	6.81E-05	2.96E-03	10
Barium	0	0.00E+00	10
Benzene(1)	0.00033424875	0.00	10
Benzo(a)anthracene	0	0.00E+00	10
Benzo(b)fluoranthene	0	0.00E+00	10
Benzo(k)fluotanthene	0	0.00E+00	10
Benzo(g,h,i)perylene	0	0.00E+00	10
Benzo(a)pyrene	0	0	10
Benzo(e)pyrene	0	0.00E+00	10
1,3-Butadiene(1)	0	0	10
Beryllium(1)	5.10E-05	0.002221859536	10
Carbon Disulfide	0	0	10
Cadmium(1)	5.10E-05	2.22E-03	10
Chromium(1)	5.10E-05	2.22E-03	10
Chrysene	0	0.00E+00	10
Chloromethane	0	0.00E+00	10
Cobalt(1)	0.00E+00	0.00E+00	10
Copper	0.0001020978	0.004443719072	10
Dibenz(a,h)anthracene	0	0	10
Dichlorodifluoromethane	0	0	10
1,2-Dichloroethane	0	0	10
Total dioxin/furan compounds	0	0	10
Dibenz(a,h)anthracene	0	0.00E+00	10
Dichlorodifluoromethane	0	0	10
1,2-Dichloroethane	0	0	10
Ethylbenzene	0	0	10
Ethylene	0	0	10
Fluoranthene	0.00000038286675	8.33E-09	10
Fluorene	0	0.00E+00	10
Formaldehyde(1)	7.41E-03	0.00	10
1,2,3,4,7,8-Hexachlorodibenzofuran	0	0	10
Hexane	0	0.00E+00	10
Hydrogen cyanide	0	0	10
Indeno(1,2,3-cd)pyrene	0	0.00E+00	10
Lead(1)	1.53E-04	6.67E-03	10
Manganese(1)	1.02E-04	4.44E-03	10
Mercury Compounds(1)	5.10E-05	2.22E-03	10
Methylene Chloride	0	0	10
Napthalene(1)	0.00E+00	0.00	10
Nitric Acid	0	0	10
1,2,3,4,6,7,8,9 - Octachlorodibenzofuran	0	0	10
1,2,3,7,8-Pentachlorodibenzofurane	0	0	10
2,3,4,7,8-Pentachlorodibenzofuran	0	0	10
Phenanthrene	0	0.00E+00	10
Propionaldehyde	0	0	10
Propylene	0	0	10
Pyrene	0	0.00E+00	10

Notes:

1. HAP - Hazardous Air Pollutant, AP-42
2. Total HAPs cannot exceed 10 tpy (NJAC 7:27-8.1, "Major Facility" definition).
3. Emission value in shaded blocks exceed State permitted levels and require a permit.
4. PTE is calculated based on all significant and insignificant stationary sources and applicable source operations.
5. Actual emissions are calculated based on all significant and insignificant stationary sources and applicable source operations.
6. Permitted emissions are levels that the facility's actual emissions cannot exceed.
7. Permitted emission limits are a compilation of all general permits PTE issued to

Poly Organic Matter (1)	0.1312686	0.002856676546	10
Propylene (1)	0	0	10
N-Hexane(1)	0.00E+00	0.00E+00	10
Nickel(1)	5.10E-05	2.22E-03	10
Selenium(1)	2.55E-04	1.11E-02	10
Styrene	0	0	10
Sulfuric Acid	0	0	10
2,3,7,8-Tetrachlorodibenzofurane	0	0	10
Toluene(1)	0.00E+00	0.00	10
1,1,1-Trichloroethane	0	0	10
1,2,4-Trimethylbenzene	0	0	10
m-Xylene, p-Xylene	0	0	10
o-Xylene	0	0	10
Zinc	0.0000680652	1.06E-05	10
Isomers of xylene (1)	0	0	10
PM, condensable	0.1656954	0.003605875	10
PM10, filterable	0.14581458	0.003173227191	100
PM10, primary	0.15350148	0.003340510052	100
PM2.5, filterable	0.134905095	0.002935814207	100
PM2.5, primary	0.142591995	0.003103097068	100
Total non-methane organic compounds (TNMOC)	0.0413253	0.0008993240979	10
Molybdenum	0.00001265716941	0.0000004304648255	10
n-butane	0.02416368706	0.000821796485	10
n-pentane	0.02991694588	0.001017462315	10
PM, condensable	0.08247591529	0.00280497	10
PM, primary	0.09633835765	0.003276425634	10
PM10, filterable	0.04763997176	0.001620214715	100
PM10, primary	0.09633835765	0.003276425634	100
PM2.5, filterable	0.04763997176	0.001620214715	100
PM2.5, primary	0.08744953412	0.002974120613	100
Propane	0.01841042824	0.0006261306553	10
Vanadium	0.00002646499059	0.000000900062817	10
Total HAPs (2)	1.56	0.08	
Greenhouse Gasses			
Methane	0.02625372	0.0005713353093	10
Total Greenhouse Gasses	2.63E-02	5.71E-04	

Table FX12
Ft. Dix Armory Emission Summary

Pollutant	Emission Summary		NJ State Limits (Tons/Year)
	PTE (Tons/Year)	Actual Emissions (Tons/Year)	
Primary Pollutants			
VOC	0.44	0.04	100
NOx	145.40	1.03	100
SOx	9.07	0.03	100
CO	35.99423882	0.6077781233	100
PM, Filterable	9.815657294	0.04	25
TOC	12.04162225	9.85E-02	10
HAPs			
PM10	0.00E+00	1.84E-02	10
Acenaphthene	4.44E-05	1.30E-07	10
Acenaphthylene	1.58E-04	4.34E-07	10
Acetonitrile	0.00E+00	0.00E+00	10
Acetaldehyde	2.39E-02	6.41E-05	10
Acroleine	2.88E-03	7.73E-06	10
Acrylonitrile	0.00E+00	0.00E+00	10
Aluminum	0.00E+00	0.00E+00	10
Ammonia	3.72E-02	3.05E-03	10
Anthracene	5.84E-05	1.71E-07	10
Antimony	0.00E+00	0.00E+00	10
Arsenic (1)	1.52E-05	1.24E-06	10
Barium	3.34E-04	2.74E-05	10
Benzene(1)	2.92E-02	9.11E-05	10
Benzo(a)anthracene	5.25E-05	1.52E-07	10
Benzo(b)fluoranthene	3.22E-06	1.95E-08	10
Benzo(k)fluotanthene	4.96E-06	2.42E-08	10
Benzo(g,h,i)perylene	1.53E-05	4.84E-08	10
Benzo(a)pyrene	5.86E-06	1.57E-08	10
Benzo(e)pyrene	0.00E+00	0.00E+00	10
1,3-Butadiene(1)	1.22E-03	3.27E-06	10
Beryllium(1)	9.11E-07	7.47E-08	10
Carbon Disulfide	0.00E+00	0.00E+00	10
Cadmium(1)	8.35E-05	6.85E-06	10
Chromium(1)	1.06E-04	1.02E-04	10
Chromium (6)	0.00E+00	7.05E-06	10
Chrysene	1.11E-05	4.07E-08	10
Chloromethane	0.00E+00	0.00E+00	10
Cobalt(1)	6.37E-06	8.73E-07	10
Copper	6.45E-05	5.29E-06	10
Dibenz(a,h)anthracene	1.83E-05	5.62E-08	10
Dichlorodifluoromethane	0.00E+00	0.00E+00	10
1,2-Dichloroethane	0.00E+00	0.00E+00	10
Total dioxin/furan compounds	0.00E+00	0.00E+00	10
Dibenz(a,h)anthracene	0.00E+00	0.00E+00	10
Dichlorodifluoromethane	0.00E+00	0.00E+00	10
1,2-Dichloroethane	0.00E+00	0.00E+00	10
Ethylbenzene	0.00E+00	0.00E+00	10
Ethylene	0.00E+00	0.00E+00	10
Fluoranthene	2.37E-04	6.55E-07	10
Fluorene	9.10E-04	2.46E-06	10
Formaldehyde(1)	4.24E-02	5.65E-04	10
1,2,3,4,7,8-Hexachlorodibenzofuran	0.00E+00	0.00E+00	10
Hexane	0.00E+00	0.00E+00	10
Hydrogen cyanide	0.00E+00	0.00E+00	10
Indeno(1,2,3-cd)pyrene	1.18E-05	4.26E-08	10
Lead(1)	3.79E-05	3.11E-06	10
Manganese(1)	2.88E-05	4.40E-04	10
Mercury Compounds(1)	1.97E-05	1.62E-06	10
Methylene Chloride	0.00E+00	0.00E+00	10
Napthalene(1)	2.69E-03	1.09E-05	10
Nitric Acid	0.00E+00	0.00E+00	10
1,2,3,4,6,7,8,9 - Octachlorodibenzofuran	0.00E+00	0.00E+00	10
1,2,3,7,8-Pentachlorodibenzofurane	0.00E+00	0.00E+00	10
2,3,4,7,8-Pentachlorodibenzofuran	0.00E+00	0.00E+00	10
Phenanthrene	9.17E-04	2.56E-06	10

Notes:

1. HAP - Hazardous Air Pollutant, AP-42
2. Total HAPs cannot exceed 10 tpy (NJAC 7:27-8.1, "Major Facility" definition).
3. Emission value in shaded blocks exceed State permitted levels and require a permit.
4. PTE is calculated based on all significant and insignificant stationary sources and applicable source operations.
5. Actual emissions are calculated based on all significant and insignificant stationary sources and applicable source operations.
6. Permitted emissions are levels that the facility's actual emissions cannot exceed.
7. Permitted emission limits are a compilation of all general permits PTE issued to

Propionaldehyde	0.00E+00	0.00E+00	10
Propylene	8.04E-02	2.16E-04	10
Pyrene	1.49E-04	4.31E-07	10
Poly Organic Matter (1)	0.00E+00	0.00E+00	10
Propylene (1)	0.00E+00	0.00E+00	10
N-Hexane(1)	1.37E-01	1.12E-02	10
Nickel(1)	1.59E-04	2.65E-05	10
Selenium(1)	1.82E-06	1.49E-07	10
Styrene	0.00E+00	0.00E+00	10
Sulfuric Acid	0.00E+00	0.00E+00	10
2,3,7,8-Tetrachlorodibenzofurane	0.00E+00	0.00E+00	10
Toluene(1)	1.30E-02	5.54E-05	10
1,1,1-Trichloroethane	0.00E+00	0.00E+00	10
1,2,4-Trimethylbenzene	0.00E+00	0.00E+00	10
m-Xylene, p-Xylene	0.00E+00	0.00E+00	10
o-Xylene	0.00E+00	0.00E+00	10
Zinc	2.20E-03	1.80E-04	10
Isomers of xylene (1)	8.88E-03	2.38E-05	10
2-Methyl Naphthalene	1.82E-06	1.49E-07	10
3-Methylcholanthrene	1.37E-07	1.12E-08	10
Dichlorobenzene, mixed isomers	9.11E-05	7.47E-06	10
Dimethylbenz(a)anthracene	1.21E-06	9.96E-08	10
Ethane	2.35E-01	1.93E-02	10
Molybdenum	8.35E-05	6.85E-06	10
n-Butane	1.59E-01	1.31E-02	10
n-Pentane	1.97E-01	1.62E-02	10
PM, condensable	4.52E-01	3.71E-02	10
PM, primary	5.87E-01	4.81E-02	10
PM10, filterable	9.84E+00	4.02E-02	100
PM10, primary	5.87E-01	4.81E-02	100
PM2.5, filterable	9.84E+00	4.02E-02	100
PM2.5, primary	5.77E-01	4.73E-02	100
Propane	1.21E-01	9.96E-03	10
Vanadium	1.75E-04	1.43E-05	10
Aldehydes	2.18E+00	5.85E-03	10
Polycyclic aromatic hydrocarbons (PAH)	5.23E-03	1.40E-05	10
Total HAPs (2)	25.16	0.36	
Greenhouse Gasses			
Carbon Dioxide	1.42E+04	7.61E+02	10
Methane	1.75E-01	1.43E-02	10
Total Greenhouse Gasses	1.42E+04	7.61E+02	

Table FRN12 Franklin Armory Emission Summary			
Pollutant	Emission Summary		NJ State Limits (Tons/Year)
	PTE (Tons/Year)	Actual Emissions (Tons/Year)	
Primary Pollutants			
VOC	0.00188	0.00	25
NOx	2.37	0.07	25
SOx	7.24	0.21	100
CO	0.49	0.01	100
PM, Filterable	0.20	0.01	100
TOC	0.0547938	0.00	25
HAPs			
PM10	0	0	100
Acenaphthene	0	0.00E+00	10
Acenaphthylene	0	0.00E+00	10
Acetonitrile	0	0	10
Acetaldehyde	0	0	10
Acroleine	0	0	10
Acrylonitrile	0	0	10
Aluminum	0	0	10
Ammonia	0.07884	2.27E-03	10
Anthracene	0	0.00E+00	10
Antimony	0	0	10
Arsenic (1)	5.52E-05	3.18E-03	10
Barium	0	0.00E+00	10
Benzene(1)	0.0002710125	0.00	10
Benzo(a)anthracene	0	0.00E+00	10
Benzo(b)fluoranthene	0	0.00E+00	10
Benzo(k)fluotanthene	0	0.00E+00	10
Benzo(g,h,i)perylene	0	0.00E+00	10
Benzo(a)pyrene	0	0	10
Benzo(e)pyrene	0	0.00E+00	10
1,3-Butadiene(1)	0	0	10
Beryllium(1)	4.14E-05	0.002381988	10
Carbon Disulfide	0	0	10
Cadmium(1)	4.14E-05	2.38E-03	10
Chromium(1)	4.14E-05	2.38E-03	10
Chrysene	0	0.00E+00	10
Chloromethane	0	0.00E+00	10
Cobalt(1)	0.00E+00	0.00E+00	10
Copper	0.000082782	0.004763976	10
Dibenz(a,h)anthracene	0	0	10
Dichlorodifluoromethane	0	0	10
1,2-Dichloroethane	0	0	10
Total dioxin/furan compounds	0	0	10
Dibenz(a,h)anthracene	0	0.00E+00	10
Dichlorodifluoromethane	0	0	10
1,2-Dichloroethane	0	0	10
Ethylbenzene	0	0	10
Ethylene	0	0	10
Fluoranthene	0.0000003104325	8.93E-09	10
Fluorene	0	0.00E+00	10
Formaldehyde(1)	6.01E-03	0.00	10
1,2,3,4,7,8-Hexachlorodibenzofuran	0	0	10
Hexane	0	0.00E+00	10
Hydrogen cyanide	0	0	10
Indeno(1,2,3-cd)pyrene	0	0.00E+00	10
Lead(1)	1.24E-04	7.15E-03	10
Manganese(1)	8.28E-05	4.76E-03	10
Mercury Compounds(1)	4.14E-05	2.38E-03	10
Methylene Chloride	0	0	10
Napthalene(1)	0.00E+00	0.00	10
Nitric Acid	0	0	10
1,2,3,4,6,7,8,9 - Octachlorodibenzofuran	0	0	10
1,2,3,7,8-Pentachlorodibenzofurane	0	0	10
2,3,4,7,8-Pentachlorodibenzofuran	0	0	10

Notes:

1. HAP - Hazardous Air Pollutant, AP-42
2. Total HAPs cannot exceed 10 tpy (NJAC 7:27-8.1, "Major Facility" definition).
3. Emission value in shaded blocks exceed State permitted levels and require a permit.
4. PTE is calculated based on all significant and insignificant stationary sources and applicable source operations.
5. Actual emissions are calculated based on all significant and insignificant stationary sources and applicable source operations.
6. Permitted emissions are levels that the facility's actual emissions cannot exceed.
7. Permitted emission limits are a compilation of all general permits PTE issued to

Phenanthrene	0	0.00E+00	10
Propionaldehyde	0	0	10
Propylene	0	0	10
Pyrene	0	0.00E+00	10
Poly Organic Matter (1)	0	0	10
Propylene (1)	0	0	10
N-Hexane(1)	0.00E+00	0.00E+00	10
Nickel(1)	4.14E-05	2.38E-03	10
Selenium(1)	2.07E-04	1.19E-02	10
Styrene	0	0	10
Sulfuric Acid	0	0	10
2,3,7,8-Tetrachlorodibenzofurane	0	0	10
Toluene(1)	0.00E+00	0.00	10
1,1,1-Trichloroethane	0	0	10
1,2,4-Trimethylbenzene	0	0	10
m-Xylene, p-Xylene	0	0	10
o-Xylene	0	0	10
Zinc	0.000055188	1.13E-05	10
Isomers of xylene (1)	0	0	10
PM, condensable	0.128115	0.00368641	10
PM10, filterable	0.106434	0.003062556	100
PM10, primary	0.106434	0.003062556	100
PM2.5, filterable	0.106434	0.003062556	100
PM2.5, primary	0.00108	0.106434	100
Polycyclic organic matter (POM)	0.106434	0.003062556	
Total non-methane organic compounds (TNMOC)	0.033507	0.000964138	10
Total HAPs (2)	0.67	0.17	
Greenhouse Gasses			
Methane	0.0212868	0.0006125112	10
Total Greenhouse Gasses	2.13E-02	6.13E-04	

Table FD12
Freehold Armory Emission Summary

Pollutant	Emission Summary		NJ State Limits (Tons/Year)
	PTE (Tons/Year)	Actual Emissions (Tons/Year)	
Primary Pollutants			
VOC	0.3453918517	0.00	25
NOx	2.86	0.10	25
SOx	8.75	0.29	100
CO	0.60	0.02	100
PM, Filterable	0.24	0.01	100
HAPs			
PM10	0	0	100
TOC	0.06618743143	0.00	25
Acenaphthene	0	0.00E+00	10
Acenaphthylene	0	0.00E+00	10
Acetonitrile	0	0	10
Acetaldehyde	0	0	10
Acroleine	0	0	10
Acrylonitrile	0	0	10
Aluminum	0	0	10
Ammonia	0.09523371429	3.17E-03	10
Anthracene	0	0.00E+00	10
Antimony	0	0	10
Arsenic (1)	6.67E-05	4.44E-03	10
Barium	0	0.00E+00	10
Benzene(1)	0.0003273658929	0.00	10
Benzo(a)anthracene	0	0.00E+00	10
Benzo(b)fluoranthene	0	0.00E+00	10
Benzo(k)fluotanthene	0	0.00E+00	10
Benzo(g,h,i)perylene	0	0.00E+00	10
Benzo(a)pyrene	0	0	10
Benzo(e)pyrene	0	0.00E+00	10
1,3-Butadiene(1)	0	0	10
Beryllium(1)	5.00E-05	0.003328374	10
Carbon Disulfide	0	0	10
Cadmium(1)	5.00E-05	3.33E-03	10
Chromium(1)	5.00E-05	3.33E-03	10
Chrysene	0	0.00E+00	10
Chloromethane	0	0.00E+00	10
Cobalt(1)	0.00E+00	0.00E+00	10
Copper	0.0000999954	0.006656748	10
Dibenz(a,h)anthracene	0	0	10
Dichlorodifluoromethane	0	0	10
1,2-Dichloroethane	0	0	10
Total dioxin/furan compounds	0	0	10
Dibenz(a,h)anthracene	0	0.00E+00	10
Dichlorodifluoromethane	0	0	10
1,2-Dichloroethane	0	0	10
Ethylbenzene	0	0	10
Ethylene	0	0	10
Fluoranthene	.00000037498275	1.25E-08	10
Fluorene	0	0.00E+00	10
Formaldehyde(1)	7.26E-03	0.00	10
1,2,3,4,7,8-Hexachlorodibenzofuran	0	0	10
Hexane	0	0.00E+00	10
Hydrogen cyanide	0	0	10
Indeno(1,2,3-cd)pyrene	0	0.00E+00	10
Lead(1)	1.50E-04	9.99E-03	10
Manganese(1)	1.00E-04	6.66E-03	10
Mercury Compounds(1)	5.00E-05	3.33E-03	10
Methylene Chloride	0	0	10
Napthalene(1)	0.00E+00	0.00	10
Nitric Acid	0	0	10
1,2,3,4,6,7,8,9 - Octachlorodibenzofuran	0	0	10
1,2,3,7,8-Pentachlorodibenzofurane	0	0	10
2,3,4,7,8-Pentachlorodibenzofuran	0	0	10
Phenanthrene	0	0.00E+00	10

Notes:

1. HAP - Hazardous Air Pollutant, AP-42
2. Total HAPs cannot exceed 10 tpy (NJAC 7:27-8.1, "Major Facility" definition).
3. Emission value in shaded blocks exceed State permitted levels and require a permit.
4. PTE is calculated based on all significant and insignificant stationary sources and applicable source operations.
5. Actual emissions are calculated based on all significant and insignificant stationary sources and applicable source operations.
6. Permitted emissions are levels that the facility's actual emissions cannot exceed.
7. Permitted emission limits are a compilation of all general permits PTE issued to

Propionaldehyde	0	0	10
Propylene	0	0	10
Pyrene	0	0.00E+00	10
Poly Organic Matter (1)	0	0	10
Propylene (1)	0	0	10
N-Hexane(1)	0.00E+00	0.00E+00	10
Nickel(1)	5.00E-05	3.33E-03	10
Selenium(1)	2.50E-04	1.66E-02	10
Styrene	0	0	10
Sulfuric Acid	0	0	10
2,3,7,8-Tetrachlorodibenzofurane	0	0	10
Toluene(1)	0.00E+00	0.00	10
1,1,1-Trichloroethane	0	0	10
1,2,4-Trimethylbenzene	0	0	10
m-Xylene, p-Xylene	0	0	10
o-Xylene	0	0	10
Zinc	0.0000666636	1.58E-05	10
Isomers of xylene (1)	0	0	10
PM, condensable	0.1547547857	0.005151055	10
PM10, filterable	0.1285655143	0.004279338	10
PM10, primary	0.1285655143	0.004279338	10
PM2.5, filterable	0.1285655143	0.004279338	10
PM2.5, primary	0.1285655143	0.004279338	10
Polycyclic organic matter (POM)	0.1285655143	0.004279338	10
Total non-methane organic compounds (TNMOC)	0.04047432857	0.001347199	10
Total HAPs (2)	1.01	0.09	
Greenhouse Gasses			
Methane	0.02571310286	0.0008558676	10
Total Greenhouse Gasses	0.02571310286	0.0008558676	

Table HN12
Hackettstown Armory Emission Summary

Pollutant	Emission Summary		NJ State Limits (Tons/Year)
	PTE (Tons/Year)	Actual Emissions (Tons/Year)	
Primary Pollutants			
VOC	0.8429101	0.00	25
NOx	1.81	0.08	25
SOx	5.98	0.25	100
CO	0.38	0.02	100
PM, Filterable	0.15	0.01	100
HAPs			
PM10	0	0	100
TOC	0.04200858	0.00	25
Acenaphthene	0	0.00E+00	10
Acenaphthylene	0	0.00E+00	10
Acetonitrile	0	0	10
Acetaldehyde	0	0	10
Acroleine	0	0	10
Acrylonitrile	0	0	10
Aluminum	0	0	10
Ammonia	0.0651744	2.71E-03	10
Anthracene	0	0.00E+00	10
Antimony	0	0	10
Arsenic (1)	4.23E-05	3.52E-03	10
Barium	0	0.00E+00	10
Benzene(1)	0.00020777625	0.00	10
Benzo(a)anthracene	0	0.00E+00	10
Benzo(b)fluoranthene	0	0.00E+00	10
Benzo(k)fluotanthene	0	0.00E+00	10
Benzo(g,h,i)perylene	0	0.00E+00	10
Benzo(a)pyrene	0	0	10
Benzo(e)pyrene	0	0.00E+00	10
1,3-Butadiene(1)	0	0	10
Beryllium(1)	3.17E-05	0.002639867661	10
Carbon Disulfide	0	0	10
Cadmium(1)	3.17E-05	2.64E-03	10
Chromium(1)	3.17E-05	2.64E-03	10
Chrysene	0	0.00E+00	10
Chloromethane	0	0.00E+00	10
Cobalt(1)	0.00E+00	0.00E+00	10
Copper	0.0000634662	0.005279735323	10
Dibenz(a,h)anthracene	0	0	10
Dichlorodifluoromethane	0	0	10
1,2-Dichloroethane	0	0	10
Total dioxin/furan compounds	0	0	10
Dibenz(a,h)anthracene	0	0.00E+00	10
Dichlorodifluoromethane	0	0	10
1,2-Dichloroethane	0	0	10
Ethylbenzene	0	0	10
Ethylene	0	0	10
Fluoranthene	.0000002379825	9.90E-09	10
Fluorene	0	0.00E+00	10
Formaldehyde(1)	4.61E-03	0.00	10
1,2,3,4,7,8-Hexachlorodibenzofuran	0	0	10
Hexane	0	0.00E+00	10
Hydrogen cyanide	0	0	10
Indeno(1,2,3-cd)pyrene	0	0.00E+00	10
Lead(1)	9.52E-05	7.92E-03	10
Manganese(1)	6.35E-05	5.28E-03	10
Mercury Compounds(1)	3.17E-05	2.64E-03	10
Methylene Chloride	0	0	10
Napthalene(1)	0.00E+00	0.00	10
Nitric Acid	0	0	10
1,2,3,4,6,7,8,9 - Octachlorodibenzofuran	0	0	10
1,2,3,7,8-Pentachlorodibenzofurane	0	0	10
2,3,4,7,8-Pentachlorodibenzofuran	0	0	10
Phenanthrene	0	0.00E+00	10
Propionaldehyde	0	0	10

Notes:

1. HAP - Hazardous Air Pollutant, AP-42
2. Total HAPs cannot exceed 10 tpy (NJAC 7:27-8.1, "Major Facility" definition).
3. Emission value in shaded blocks exceed State permitted levels and require a permit.
4. PTE is calculated based on all significant and insignificant stationary sources and applicable source operations.
5. Actual emissions are calculated based on all significant and insignificant stationary sources and applicable source operations.
6. Permitted emissions are levels that the facility's actual emissions cannot exceed.
7. Permitted emission limits are a compilation of all general permits PTE issued to

Propylene	0	0	10
Pyrene	0	0.00E+00	10
Poly Organic Matter (1)	0	0	10
Propylene (1)	0	0	10
N-Hexane(1)	0.00E+00	0.00E+00	10
Nickel(1)	3.17E-05	2.64E-03	10
Selenium(1)	1.59E-04	1.32E-02	10
Styrene	0	0	10
Sulfuric Acid	0	0	10
2,3,7,8-Tetrachlorodibenzofurane	0	0	10
Toluene(1)	0.00E+00	0.00	10
1,1,1-Trichloroethane	0	0	10
1,2,4-Trimethylbenzene	0	0	10
m-Xylene, p-Xylene	0	0	10
o-Xylene	0	0	10
Zinc	0.0000423108	1.26E-05	10
Isomers of xylene (1)	0	0	10
PM, condensable	0.1059084	0.004405245	10
PM10, filterable	0.09614538	0.003999153556	100
PM10, primary	0.10383228	0.004318889081	100
PM2.5, filterable	0.085235895	0.003545375063	100
PM2.5, primary	0.092922795	0.003865110587	100
Polycyclic organic matter (POM)	0.0815994	0.003394115565	
Total non-methane organic compounds (TNMOC)	0.0256887	0.001068517863	10
Total HAPs (2)	0.70	0.08	
Greenhouse Gasses			
Methane	0.01631988	0.0006788231129	10
Total Greenhouse Gasses	0.01631988	0.0006788231129	

Table HA12
Hammonton Armory Emission Summary

Pollutant	Emission Summary		NJ State Limits (Tons/Year)
	PTE (Tons/Year)	Actual Emissions (Tons/Year)	
Primary Pollutants			
VOC	8.07E-02	9.43E-04	25
NOx	1.50E+00	1.76E-02	25
SOx	8.90E-03	1.04E-04	100
CO	8.75E-01	1.03E-02	100
PM, Filterable	3.46E-02	4.05E-04	100
HAPs			
PM10	0.00E+00	0.00E+00	100
TOC	9.94E-02	1.17E-03	25
Acenaphthene	1.63E-08	1.91E-10	10
Acenaphthylene	1.63E-08	1.91E-10	10
Acetonitrile	0.00E+00	0.00E+00	10
Acetaldehyde	0.00E+00	0.00E+00	10
Acroleine	0.00E+00	0.00E+00	10
Acrylonitrile	0.00E+00	0.00E+00	10
Aluminum	0.00E+00	0.00E+00	10
Ammonia	4.43E-03	5.19E-05	10
Anthracene	2.17E-08	2.54E-10	10
Antimony	0.00E+00	0.00E+00	10
Arsenic (1)	1.81E-06	2.12E-08	10
Barium	3.98E-05	4.66E-07	10
Benzene(1)	1.90E-05	2.23E-07	10
Benzo(a)anthracene	1.63E-08	1.91E-10	10
Benzo(b)fluoranthene	1.63E-08	1.91E-10	10
Benzo(k)fluotanthene	1.63E-08	1.91E-10	10
Benzo(g,h,i)perylene	1.08E-08	1.27E-10	10
Benzo(a)pyrene	1.08E-08	1.27E-10	10
Benzo(e)pyrene	0.00E+00	0.00E+00	10
1,3-Butadiene(1)	0.00E+00	0.00E+00	10
Beryllium(1)	1.08E-07	1.27E-09	10
Carbon Disulfide	0.00E+00	0.00E+00	10
Cadmium(1)	9.94E-06	1.17E-07	10
Chromium(1)	1.27E-05	1.48E-07	10
Chrysene	1.63E-08	1.91E-10	10
Chloromethane	0.00E+00	0.00E+00	10
Cobalt(1)	7.59E-07	8.90E-09	10
Copper	7.68E-06	9.01E-08	10
Dibenz(a,h)anthracene	0.00E+00	0.00E+00	10
Dichlorodifluoromethane	0.00E+00	0.00E+00	10
1,2-Dichloroethane	0.00E+00	0.00E+00	10
Total dioxin/furan compounds	0.00E+00	0.00E+00	10
Dibenz(a,h)anthracene	1.08E-08	1.27E-10	10
Dichlorodifluoromethane	0.00E+00	0.00E+00	10
1,2-Dichloroethane	0.00E+00	0.00E+00	10
Ethylbenzene	0.00E+00	0.00E+00	10
Ethylene	0.00E+00	0.00E+00	10
Fluoranthene	2.71E-08	3.18E-10	10
Fluorene	2.53E-08	2.97E-10	10
Formaldehyde(1)	6.78E-04	7.95E-06	10
1,2,3,4,7,8-Hexachlorodibenzofuran	0.00E+00	0.00E+00	10
Hexane	0.00E+00	0.00E+00	10
Hydrogen cyanide	0.00E+00	0.00E+00	10
Indeno(1,2,3-cd)pyrene	1.63E-08	1.91E-10	10
Lead(1)	4.52E-06	5.30E-08	10
Manganese(1)	3.43E-06	4.03E-08	10
Mercury Compounds(1)	2.35E-06	2.76E-08	10
Methylene Chloride	0.00E+00	0.00E+00	10
Napthalene(1)	5.51E-06	6.47E-08	10
Nitric Acid	0.00E+00	0.00E+00	10
1,2,3,4,6,7,8,9 - Octachlorodibenzofuran	0.00E+00	0.00E+00	10

Notes:

1. HAP - Hazardous Air Pollutant, AP-42
2. Total HAPs cannot exceed 10 tpy (NJAC 7:27-8.1, "Major Facility" definition).
3. Emission value in shaded blocks exceed State permitted levels and require a permit.
4. PTE is calculated based on all significant and insignificant stationary sources and applicable source operations.
5. Actual emissions are calculated based on all significant and insignificant stationary sources and applicable source operations.
6. Permitted emissions are levels that the facility's actual emissions cannot exceed.
7. Permitted emission limits are a compilation of all general permits PTE issued to

1,2,3,7,8-Pentachlorodibenzofurane	0.00E+00	0.00E+00	10
2,3,4,7,8-Pentachlorodibenzofuran	0.00E+00	0.00E+00	10
Phenanthrene	1.54E-07	1.80E-09	10
Propionaldehyde	0.00E+00	0.00E+00	10
Propylene	0.00E+00	0.00E+00	10
Pyrene	4.52E-08	5.30E-10	10
Poly Organic Matter (1)	0.00E+00	0.00E+00	10
Propylene (1)	0.00E+00	0.00E+00	10
N-Hexane(1)	1.63E-02	1.91E-04	10
Nickel(1)	1.90E-05	2.23E-07	10
Selenium(1)	2.17E-07	2.54E-09	10
Styrene	0.00E+00	0.00E+00	10
Sulfuric Acid	0.00E+00	0.00E+00	10
2,3,7,8-Tetrachlorodibenzofurane	0.00E+00	0.00E+00	10
Toluene(1)	3.07E-05	3.60E-07	10
1,1,1-Trichloroethane	0.00E+00	0.00E+00	10
1,2,4-Trimethylbenzene	0.00E+00	0.00E+00	10
m-Xylene, p-Xylene	0.00E+00	0.00E+00	10
o-Xylene	0.00E+00	0.00E+00	10
Zinc	2.62E-04	3.07E-06	10
Isomers of xylene (1)	0.00E+00	0.00E+00	10
2-Methyl Naphthalene	2.17E-07	2.54E-09	10
3-Methylcholanthrene	1.63E-08	1.91E-10	10
Dichlorobenzene, mixed isomers	1.08E-05	1.27E-07	10
Dimethylbenz(a)anthracene	1.45E-07	1.70E-09	10
Ethane	2.80E-02	3.29E-04	10
Molybdenum	9.94E-06	1.17E-07	10
n-Butane	1.90E-02	2.23E-04	10
n-Pentane	2.35E-02	2.35E-02	10
PM, condensable	8.46E-02	9.92E-04	100
PM, primary	8.61E-02	1.01E-03	100
PM10, filterable	6.76E-02	7.93E-04	100
PM10, primary	8.61E-02	1.01E-03	100
PM2.5, filterable	6.76E-02	7.93E-04	100
PM2.5, primary	6.87E-02	8.06E-04	100
Propane	1.45E-02	1.70E-04	10
Vanadium	2.08E-05	2.44E-07	10
Total HAPs (2)	0.67	0.03	
Greenhouse Gasses			
Carbon Dioxide	1.08E+03	1.27E+01	10
Methane	2.08E-02	2.44E-04	10
Total Greenhouse Gasses	1.08E+03	1.27E+01	

Table JC12
Jersey City Armory Emission Summary

Pollutant	Emission Summary		NJ State Limits (Tons/Year)
	PTE (Tons/Year)	Actual Emissions (Tons/Year)	
Primary Pollutants			
VOC	0.62	0.03	25
NOx	5.48	0.58	25
SOx	0.03	0.00	100
CO	4.37	0.46	100
PM, Filterable	0.11	0.01	100
HAPs			
PM10	0	0.00E+00	100
TOC	0.57	0.06	25
Acenaphthene	0.0000000928	9.82E-09	10
Acenaphthylene	0.0000000928	9.82E-09	10
Acetonitrile	0	0.00E+00	10
Acetaldehyde	0	0.00E+00	10
Acroleine	0	0.00E+00	10
Acrylonitrile	0	0.00E+00	10
Aluminum	0	0.00E+00	10
Ammonia	0.0252	2.67E-03	10
Anthracene	0.000000124	1.31E-08	10
Antimony	0	0.00E+00	10
Arsenic (1)	1.03E-05	1.09E-06	10
Barium	0.000227	2.40E-05	10
Benzene(1)	0	0.00	10
Benzo(a)anthracene	0.0000000928	9.82E-09	10
Benzo(b)fluoranthene	0.0000000928	9.82E-09	10
Benzo(k)fluotanthene	0.0000000928	9.82E-09	10
Benzo(g,h,i)perylene	0.0000000618	6.54E-09	10
Benzo(a)pyrene	0.0000000618	6.54E-09	10
Benzo(e)pyrene	0	0.00E+00	10
1,3-Butadiene(1)	0	0.00E+00	10
Beryllium(1)	6.18E-07	6.54E-08	10
Carbon Disulfide	0.00E+00	0.00E+00	10
Cadmium(1)	5.67E-05	6.00E-06	10
Chromium(1)	7.21E-05	7.64E-06	10
Chrysene	0.0000000928	9.82E-09	10
Chloromethane	0	0.00E+00	10
Cobalt(1)	4.33E-06	4.58E-07	10
Copper	0.0000438	4.64E-06	10
Dibenz(a,h)anthracene	0.0000000618	6.54E-09	10
Dichlorodifluoromethane	0	0.00E+00	10
1,2-Dichloroethane	0	0.00E+00	10
Total dioxin/furan compounds	0	0.00E+00	10
Dibenz(a,h)anthracene	0	0.00E+00	10
Dichlorodifluoromethane	0	0.00E+00	10
1,2-Dichloroethane	0	0.00E+00	10
Ethylbenzene	0	0.00E+00	10
Ethylene	0	0.00E+00	10
Fluoranthene	0.000000155	1.64E-08	10
Fluorene	0.000000144	1.53E-08	10
Formaldehyde(1)	0.00E+00	0.00	10
1,2,3,4,7,8-Hexachlorodibenzofuran	0	0.00E+00	10
Hexane	0	0.00E+00	10
Hydrogen cyanide	0	0.00E+00	10
Indeno(1,2,3-cd)pyrene	9.28E-08	9.82E-09	10
Lead(1)	2.58E-05	2.73E-06	10
Manganese(1)	1.96E-05	2.07E-06	10
Mercury Compounds(1)	1.34E-05	1.42E-06	10
Methylene Chloride	0	0.00E+00	10
Napthalene(1)	0.00E+00	0.00	10
Nitric Acid	0	0.00E+00	10

Notes:

1. HAP - Hazardous Air Pollutant, AP-42

2. Total HAPs cannot exceed 10 tpy (NJAC 7:27-8.1, "Major Facility" definition).

3. Emission value in shaded blocks exceed State permitted levels and require a permit.

4. PTE is calculated based on all significant and insignificant stationary sources and applicable source operations.

5. Actual emissions are calculated based on all significant and insignificant stationary sources and applicable source operations.

6. Permitted emissions are levels that the facility's actual emissions cannot exceed.

7. Permitted emission limits are a compilation of all general permits PTE issued to

1,2,3,4,6,7,8,9 - Octachlorodibenzofuran	0	0.00E+00	10
1,2,3,7,8-Pentachlorodibenzofurane	0	0.00E+00	10
2,3,4,7,8-Pentachlorodibenzofuran	0	0.00E+00	10
Phenanthrene	8.76E-07	9.27E-08	10
Propionaldehyde	0	0.00E+00	10
Propylene	0	0.00E+00	10
Pyrene	2.58E-07	2.73E-08	10
Poly Organic Matter (1)	0	0.00E+00	10
Propylene (1)	0	0.00E+00	10
N-Hexane(1)	9.28E-02	9.82E-03	10
Nickel(1)	1.08E-04	1.15E-05	10
Selenium(1)	1.24E-06	1.31E-07	10
Styrene	0	0.00E+00	10
Sulfuric Acid	0	0.00E+00	10
2,3,7,8-Tetrachlorodibenzofurane	0	0.00E+00	10
Toluene(1)	0.00E+00	0.00	10
1,1,1-Trichloroethane	0	0.00E+00	10
1,2,4-Trimethylbenzene	0	0.00E+00	10
m-Xylene, p-Xylene	0	0.00E+00	10
o-Xylene	0	0.00E+00	10
Zinc	1.49E-03	1.58E-04	10
Isomers of xylene (1)	0	0.00E+00	10
2-Methyl Naphthalene	1.24E-06	1.31E-07	10
3-Methylcholanthrene	0.0000000928	9.82E-09	10
Dichlorobenzene	6.18E-05	6.54E-06	10
Dimethylbenz(a)anthracene	8.24E-07	8.73E-08	10
Ethane	1.60E-01	1.69E-02	10
Molybdenum	5.67E-05	6.00E-06	10
n-Butane	1.08E-01	1.15E-02	10
n-Pentane	1.34E-01	1.42E-02	10
PM, condensable	3.04E-01	3.11E-02	100
PM, primary	4.02E-01	4.14E-02	100
PM10, filterable	1.18E-01	1.04E-02	100
PM10, primary	4.02E-01	4.14E-02	100
PM2.5, filterable	1.18E-01	1.04E-02	100
PM2.5, primary	3.92E-01	4.14E-02	100
Propane	8.24E-02	8.73E-03	10
Vanadium	1.19E-04	1.25E-05	10
Total HAPs (2)	2.91	0.30	
Greenhouse Gasses			
Carbon Dioxide	6.18E+03	6.54E+02	10
Methane	1.19E-01	1.25E-02	10
Total Greenhouse Gasses	6.18E+03	6.54E+02	

Table LH12 Lakehurst Armory Emission Summary			
Pollutant	Emission Summary		NJ State Limits (Tons/Year)
	PTE (Tons/Year)	Actual Emissions (Tons/Year)	
Primary Pollutants			
VOC	0.9207195818	0.07	25
NOx	1.79E+02	1.53E+00	25
SOx	1.08E+01	1.47E-02	100
CO	4.44E+01	8.18E-01	100
PM, Filterable	1.18E+01	4.58E-02	100
TOC	1.44E+01	1.08E-01	25
HAPs			
Acenaphthene	5.28E-05	8.66E-08	10
Acenaphthylene	1.87E-04	2.72E-07	10
Acetonitrile	0	0	10
Acetaldehyde	2.84E-02	3.90E-05	10
Acroleine	3.43E-03	4.71E-06	10
Acrylonitrile	0	0	10
Aldehyde	1.15E+00	1.53E-03	10
Aluminum	0	0	10
Ammonia	0.0472	0.00393	10
Anthracene	6.94E-05	1.15E-07	10
Antimony	0	0	10
Arsenic (1)	0.0000193	0.0000016	10
Barium	0.000424	0.0000353	10
Benzene(1)	3.46E-02	4.75E-05	10
Benzo(a)anthracene	6.24E-05	9.99E-08	10
Benzo(b)fluoranthene	3.84E-06	1.94E-08	10
Benzo(k)fluotanthene	5.91E-06	2.23E-08	10
Benzo(g,h,i)perylene	1.82E-05	3.45E-08	10
Benzo(a)pyrene	7.08E-06	1.92E-08	10
Benzo(e)pyrene	0	0	10
1,3-Butadiene(1)	1.45E-03	1.99E-06	10
Beryllium(1)	0.00000116	0.0000000963	10
Carbon Disulfide	0	0	10
Cadmium(1)	0.000106	0.00000882	10
Chromium(1)	0.000135	0.0000112	10
Chrysene	1.32E-05	3.23E-08	10
Chloromethane	0	0	10
Cobalt(1)	0.00000809	0.000000674	10
Copper	0.0000819	0.00000682	10
Dibenz(a,h)anthracene	9.67E-06	2.24E-08	10
Dichlorodifluoromethane	0	0	10
1,2-Dichloroethane	0	0	10
Dichlorobenzene, mixed isomers	0.000116	0.00000963	10
Dibenz(a,h)anthracene	0.00001354	0.0000001449	10
Dichlorodifluoromethane	0	0	10
1,2-Dichloroethane	0	0	10
Ethylbenzene	0	0	10
Ethane	0.299	0.0249	10
Fluoranthene	2.82E-04	4.11E-07	10
Fluorene	1.08E-03	1.51E-06	10
Formaldehyde(1)	5.37E-02	6.01E-05	10
1,2,3,4,7,8-Hexachlorodibenzofuran	0	0	10
Hexane	0	0	10
Hydrogen cyanide	0	0	10
Indeno(1,2,3-cd)pyrene	1.41E-05	3.35E-08	10
Lead(1)	0.0000482	0.00000401	10
Manganese(1)	0.0000366	0.00000305	10
Mercury Compounds(1)	0.0000251	0.00000209	10
Napthalene(1)	3.14E-03	4.32E-06	10
Nitric Acid	0	0	10
1,2,3,4,6,7,8,9 - Octachlorodibenzofuran	0	0	10

Notes:

1. HAP - Hazardous Air Pollutant, AP-42
2. Total HAPs cannot exceed 10 tpy (NJAC 7:27-8.1, "Major Facility" definition).
3. Emission value in shaded blocks exceed State permitted levels and require a permit.
4. PTE is calculated based on all significant and insignificant stationary sources and applicable source operations.
5. Actual emissions are calculated based on all significant and insignificant stationary sources and applicable source operations.
6. Permitted emissions are levels that the facility's actual emissions cannot exceed.
7. Permitted emission limits are a compilation of all general permits PTE issued to this facility.

1,2,3,7,8-Pentachlorodibenzofurane	0	0	10
2,3,4,7,8-Pentachlorodibenzofuran	0	0	10
Phenanthrene	1.09E-03	1.63E-06	10
Propane	0.154	0.0128	10
Propylene	0	0	10
Pyrene	1.77E-04	2.83E-07	10
Poly Organic Matter (1)	6.22E-03	8.55E-06	10
Propylene (1)	9.56E-02	1.31E-04	10
N-Hexane(1)	0.173	0.0144	10
Nickel(1)	0.000202	0.0000168	10
Selenium(1)	0.00000231	0.000000193	10
Styrene	0	0	10
Sulfuric Acid	0	0	10
2,3,7,8-Tetrachlorodibenzofurane	0	0	10
Toluene(1)	1.51E-02	2.08E-05	10
1,1,1-Trichloroethane	0	0	10
1,2,4-Trimethylbenzene	0	0	10
m-Xylene, p-Xylene	0	0	10
o-Xylene	0	0	10
Zinc	0.00279	0.000233	10
Isomers of xylene (1)	1.06E-02	1.45E-05	10
Total HAPs (2)	0	0	10
2-Methyl Naphthalene	0	0	10
3-Methylcholanthrene	0	0	10
Molybdenum	0.000106	0.00000882	10
N-Butane	0.202	0.0168	10
N-Pentane	0.251	0.0209	10
PM, condensable	0.879	0.0757	10
PM, primary	0.902	0.071	10
PM10, filterable	1.22E+01	7.10E-02	100
PM10, primary	0.902	0.071	100
PM2.5, filterable	1.22E+01	7.10E-02	100
PM2.5, primary	0.732	0.061	100
Vanadium	0.000222	0.0000184	10
Total HAPs	291.6715694	3.103157709	
Greenhouse Gasses			
Carbon Dioxide	1.77E+04	9.71E+02	10
Methane	0.222	0.0184	10
Total Greenhouse Gasses	1.77E+04	9.71E+02	

Table LE12 Lawrenceville Armory Emission Summary			
Pollutant	Emission Summary		NJ State Limits (Tons/Year)
	PTE (Tons/Year)	Actual Emissions (Tons/Year)	
Primary Pollutants			
VOC	0.7149289613	0.02	25
NOx	142.14	0.56	25
SOx	9.78	0.07	100
CO	34.25	0.25	100
PM, Filterable	9.61	0.03	100
HAPs			
PM10	0	0	100
TOC	11.60107068	0.05	25
Acenaphthene	0.00004331706969	8.98E-08	10
Acenaphthylene	0.0001540811922	3.10E-07	10
Acetonitrile	0	0	10
Acetaldehyde	0.01509937516	0.00004643714862	10
Acroleine	0.002814747618	0.000005600308015	10
Acrylonitrile	0	0	10
Aluminum	0	0	10
Ammonia	0.04810407542	5.10E-03	10
Anthracene	0.00005704606649	1.18E-07	10
Antimony	0	0	10
Arsenic (1)	1.19E-05	4.23E-07	10
Barium	0.0000001068900353	9.30E-06	10
Benzene(1)	0.02839091381	0.00	10
Benzo(a)anthracene	0.00005122879272	1.06E-07	10
Benzo(b)fluoranthene	0.0000031224737	9.80E-09	10
Benzo(k)fluotanthene	0.000003158263113	1.32E-08	10
Benzo(g,h,i)perylene	0.00001495138527	3.21E-08	10
Benzo(a)pyrene	0.000005792044372	0.00000001391820834	10
Benzo(e)pyrene	0	0.00E+00	10
1,3-Butadiene(1)	0.001189801426	0.000002367265334	10
Beryllium(1)	7.13E-07	0.00000002535960694	10
Carbon Disulfide	0	0	10
Cadmium(1)	6.53E-05	2.32E-06	10
Chromium(1)	8.31E-05	2.96E-06	10
Chrysene	0.00001084857554	2.52E-08	10
Chloromethane	0	0.00E+00	10
Cobalt(1)	4.99E-06	1.78E-07	10
Copper	0.00005047585	0.000001796305491	10
Dibenz(a,h)anthracene	0.00001781177744	0.00000003783303716	10
Dichlorodifluoromethane	0	0	10
1,2-Dichloroethane	0	0	10
Total dioxin/furan compounds	0	0	10
Dibenz(a,h)anthracene	0	0.00E+00	10
Dichlorodifluoromethane	0	0	10
1,2-Dichloroethane	0	0	10
Ethylbenzene	0	0	10
Ethylene	0	0	10
Fluoranthene	0.0002317481973	4.67E-07	10
Fluorene	0.0008887136296	1.77E-06	10
Formaldehyde(1)	3.59E-02	0.00	10
1,2,3,4,7,8-Hexachlorodibenzofuran	0	0	10
Hexane	0	0.00E+00	10
Hydrogen cyanide	0	0	10
Indeno(1,2,3-cd)pyrene	0.00001151802903	2.65E-08	10
Lead(1)	2.97E-05	1.06E-06	10
Manganese(1)	2.26E-05	8.03E-07	10
Mercury Compounds(1)	1.54E-05	5.49E-07	10
Methylene Chloride	0	0	10
Napthalene(1)	2.58E-03	0.00	10
Nitric Acid	0	0	10
1,2,3,4,6,7,8,9 - Octachlorodibenzofuran	0	0	10
1,2,3,7,8-Pentachlorodibenzofurane	0	0	10
2,3,4,7,8-Pentachlorodibenzofuran	0	0	10
Phenanthrene	0.000895642814	1.82E-06	10
Propionaldehyde	0	0	10
Propylene	0.07850863627	0.0001562031857	10

Notes:

1. HAP - Hazardous Air Pollutant, AP-42
2. Total HAPs cannot exceed 10 tpy (NJAC 7:27-8.1, "Major Facility" definition).
3. Emission value in shaded blocks exceed State permitted levels and require a permit.
4. PTE is calculated based on all significant and insignificant stationary sources and applicable source operations.
5. Actual emissions are calculated based on all significant and insignificant stationary sources and applicable source operations.
6. Permitted emissions are levels that the facility's actual emissions cannot exceed.
7. Permitted emission limits are a compilation of all general permits PTE issued to this facility.

Pyrene	0.0001457509018	3.00E-07	10
Poly Organic Matter (1)	0	0	10
Propylene (1)	0	0	10
N-Hexane(1)	1.07E-01	3.80E-03	10
Nickel(1)	1.25E-04	4.44E-06	10
Selenium(1)	1.43E-06	5.07E-08	10
Styrene	0	0	10
Sulfuric Acid	0	0	10
2,3,7,8-Tetrachlorodibenzofurane	0	0	10
Toluene(1)	1.24E-02	0.00	10
1,1,1-Trichloroethane	0	0	10
1,2,4-Trimethylbenzene	0	0	10
m-Xylene, p-Xylene	0	0	10
o-Xylene	0	0	10
Zinc	0.001722117235	6.13E-05	10
Isomers of xylene (1)	0.008672465634	0.00001725500307	10
2-Methyl Naphthalene	0.000001425200471	0.00000005071921388	10
3-Methylcholanthrene	0.0000001068900353	0.000000003803941041	10
Dichlorobenzene, mixed isomers	0.00007126002353	0.000002535960694	10
Dimethylbenz(a)anthracene	0.0000009501336471	0.00000003381280925	10
Ethane	0.1840883941	0.006551231792	10
Molybdenum	0.00006532168824	0.000002324630636	10
n-Butane	0.1247050412	0.004437931214	10
n-Pentane	0.1543967176	0.005494581503	10
PM, condensable	0.480077316	0.02288528991	100
PM, primary	0.5680245296	0.03079764856	100
PM10, filterable	9.808936622	0.04836905758	100
PM10, primary	0.5241914059	0.02141407081	100
PM2.5, filterable	9.765103498	0.03898547983	100
PM2.5, primary	0.4513134824	0.01606108439	100
Propane	0.09501336471	0.003381280925	10
Vanadium	0.0001365817118	0.00000486059133	10
Aldehydes	2.130079279	0.004238070931	
Polycyclic aromatic hydrocarbons (PAH)	0.005112190269	0.00001017137023	
Total HAPs (2)	36.24	0.26	
Greenhouse Gasses			
Carbon Dioxide	12144.69395	263.5814118	10
Methane	0.1365817118	0.00486059133	10
Total Greenhouse Gasses	1.21E+04	2.64E+02	

Table LI12 Lodi Armory Emission Summary			
Pollutant	Emission Summary		NJ State Limits (Tons/Year)
	PTE (Tons/Year)	Actual Emissions (Tons/Year)	
Primary Pollutants			
VOC	3.90E-01	3.18E-03	25
NOx	2.99E+00	1.78E-01	25
SOx	1.80E-02	1.07E-03	100
CO	1.87E+00	1.11E-01	100
PM, Filterable	6.80E-02	4.04E-03	100
HAPs			
PM10	0.00E+00	0.00E+00	100
TOC	2.18E-01	1.30E-02	25
Acenaphthene	3.57E-08	2.12E-09	10
Acenaphthylene	3.57E-08	2.12E-09	10
Acetonitrile	0.00E+00	0.00E+00	10
Acetaldehyde	0.00E+00	0.00E+00	10
Acroleine	0.00E+00	0.00E+00	10
Acrylonitrile	0.00E+00	0.00E+00	10
Aluminum	0.00E+00	0.00E+00	10
Ammonia	9.72E-03	5.78E-04	10
Anthracene	4.76E-08	2.83E-09	10
Antimony	0.00E+00	0.00E+00	10
Arsenic (1)	3.97E-06	2.36E-07	10
Barium	8.73E-05	5.19E-06	10
Benzene(1)	4.17E-05	2.48E-06	10
Benzo(a)anthracene	3.57E-08	2.12E-09	10
Benzo(b)fluoranthene	3.57E-08	2.12E-09	10
Benzo(k)fluotanthene	3.57E-08	2.12E-09	10
Benzo(g,h,i)perylene	2.38E-08	1.42E-09	10
Benzo(a)pyrene	2.38E-08	1.42E-09	10
Benzo(e)pyrene	0.00E+00	0.00E+00	10
1,3-Butadiene(1)	0.00E+00	0.00E+00	10
Beryllium(1)	2.38E-07	1.42E-08	10
Carbon Disulfide	0.00E+00	0.00E+00	10
Cadmium(1)	2.18E-05	1.30E-06	10
Chromium(1)	2.78E-05	1.65E-06	10
Chrysene	3.57E-08	2.12E-09	10
Chloromethane	0.00E+00	0.00E+00	10
Cobalt(1)	1.67E-06	9.91E-08	10
Copper	1.69E-05	1.00E-06	10
Dibenz(a,h)anthracene	2.38E-08	1.42E-09	10
Dichlorodifluoromethane	0.00E+00	0.00E+00	10
1,2-Dichloroethane	0.00E+00	0.00E+00	10
Total dioxin/furan compounds	0.00E+00	0.00E+00	10
Dibenz(a,h)anthracene	0.00E+00	0.00E+00	10
Dichlorodifluoromethane	0.00E+00	0.00E+00	10
1,2-Dichloroethane	0.00E+00	0.00E+00	10
Ethylbenzene	0.00E+00	0.00E+00	10
Ethylene	0.00E+00	0.00E+00	10
Fluoranthene	0.00E+00	0.00E+00	10
Fluorene	0.00E+00	0.00E+00	10
Formaldehyde(1)	0.00E+00	0.00E+00	10
1,2,3,4,7,8-Hexachlorodibenzofuran	0.00E+00	0.00E+00	10
Hexane	0.00E+00	0.00E+00	10
Hydrogen cyanide	0.00E+00	0.00E+00	10
Indeno(1,2,3-cd)pyrene	0.00E+00	0.00E+00	10
Lead(1)	0.00E+00	0.00E+00	10
Manganese(1)	0.00E+00	0.00E+00	10
Mercury Compounds(1)	0.00E+00	0.00E+00	10
Methylene Chloride	0.00E+00	0.00E+00	10
Napthalene(1)	1.21E-05	7.20E-07	10
Nitric Acid	0.00E+00	0.00E+00	10

Notes:

1. HAP - Hazardous Air Pollutant, AP-42
2. Total HAPs cannot exceed 10 tpy (NJAC 7:27-8.1, "Major Facility" definition).
3. Emission value in shaded blocks exceed State permitted levels and require a permit.
4. PTE is calculated based on all significant and insignificant stationary sources and applicable source operations.
5. Actual emissions are calculated based on all significant and insignificant stationary sources and applicable source operations.
6. Permitted emissions are levels that the facility's actual emissions cannot exceed.
7. Permitted emission limits are a compilation of all general permits PTE issued to this facility.

1,2,3,4,6,7,8,9 - Octachlorodibenzofuran	0.00E+00	0.00E+00	10
1,2,3,7,8-Pentachlorodibenzofurane	0.00E+00	0.00E+00	10
2,3,4,7,8-Pentachlorodibenzofuran	0.00E+00	0.00E+00	10
Phenanthrene	3.37E-07	2.01E-08	10
Propionaldehyde	0.00E+00	0.00E+00	10
Propylene	0.00E+00	0.00E+00	10
Pyrene	9.92E-08	5.90E-09	10
Poly Organic Matter (1)	0.00E+00	0.00E+00	10
Propylene (1)	0.00E+00	0.00E+00	10
N-Hexane(1)	3.57E-02	2.12E-03	10
Nickel(1)	4.17E-05	2.48E-06	10
Selenium(1)	4.76E-07	2.83E-08	10
Styrene	0.00E+00	0.00E+00	10
Sulfuric Acid	0.00E+00	0.00E+00	10
2,3,7,8-Tetrachlorodibenzofurane	0.00E+00	0.00E+00	10
Toluene(1)	6.75E-05	4.01E-06	10
1,1,1-Trichloroethane	0.00E+00	0.00E+00	10
1,2,4-Trimethylbenzene	0.00E+00	0.00E+00	10
m-Xylene, p-Xylene	0.00E+00	0.00E+00	10
o-Xylene	0.00E+00	0.00E+00	10
Zinc	0.00E+00	0.00E+00	10
Isomers of xylene (1)	0.00E+00	0.00E+00	10
n-Butane	4.17E-02	2.48E-03	10
2-Methyl Naphthalene	4.76E-07	2.83E-08	10
3-Methylcholanthrene	3.57E-08	2.12E-09	10
Molybdenum	2.18E-05	1.30E-06	10
n-Pentane	5.16E-02	3.07E-03	10
PM, condensable	1.71E-01	1.01E-02	10
PM, primary	1.81E-01	1.08E-02	10
PM10, filterable	1.25E-01	7.46E-03	10
PM10, primary	1.81E-01	1.08E-02	10
PM2.5, filterable	1.25E-01	7.46E-03	10
PM2.5, primary	1.51E-01	8.97E-03	10
Propane	3.17E-02	1.89E-03	10
Vanadium	4.56E-05	2.71E-06	10
Total HAPs (2)	1.32	0.08	
Greenhouse Gasses			
Carbon Dioxide	2.38E+03	1.42E+02	10
Nitrous Oxide	4.36E-02	2.60E-03	10
Total Greenhouse Gasses	2.38E+03	1.42E+02	

Table MN12 Morristown Armory Emission Summary			
Pollutant	Emission Summary		NJ State Limits (Tons/Year)
	PTE (Tons/Year)	Actual Emissions (Tons/Year)	
Primary Pollutants			
VOC	1.43E-01	0.00E+00	25
NOx	1.29E+00	1.85E-01	25
SOx	7.73E-03	0.00E+00	100
CO	1.08E+00	1.56E-01	100
PM, Filterable	2.45E-02	3.52E-03	100
HAPs			
PM10	0.00E+00	0.00E+00	100
TOC	1.42E-01	2.04E-02	25
Acenaphthene	2.32E-08	3.34E-09	10
Acenaphthylene	2.32E-08	3.34E-09	10
Acetonitrile	0.00E+00	0.00E+00	10
Acetaldehyde	0.00E+00	0.00E+00	10
Acroleine	0.00E+00	0.00E+00	10
Acrylonitrile	0.00E+00	0.00E+00	10
Aluminum	0.00E+00	0.00E+00	10
Ammonia	6.31E-03	9.09E-04	10
Anthracene	2.58E-06	3.71E-07	10
Antimony	0.00E+00	0.00E+00	10
Arsenic (1)	0.00E+00	0.00E+00	10
Barium	5.67E-05	8.16E-06	10
Benzene(1)	2.71E-05	3.89E-06	10
Benzo(a)anthracene	2.32E-08	3.34E-09	10
Benzo(b)fluoranthene	2.32E-08	3.34E-09	10
Benzo(k)fluotanthene	2.32E-08	3.34E-09	10
Benzo(g,h,i)perylene	2.32E-08	2.23E-09	10
Benzo(a)pyrene	1.55E-08	2.23E-09	10
Benzo(e)pyrene	0.00E+00	0.00E+00	10
1,3-Butadiene(1)	0.00E+00	0.00E+00	10
Beryllium(1)	1.55E-07	2.23E-08	10
Carbon Disulfide	0.00E+00	0.00E+00	10
Cadmium(1)	1.42E-05	2.04E-06	10
Chromium(1)	1.80E-05	2.60E-06	10
Chrysene	2.32E-08	3.34E-09	10
Chloromethane	0.00E+00	0.00E+00	10
Cobalt(1)	1.08E-06	1.56E-07	10
Copper	1.10E-05	1.58E-06	10
Dibenz(a,h)anthracene	1.55E-08	2.23E-09	10
Dichlorodifluoromethane	0.00E+00	0.00E+00	10
1,2-Dichloroethane	0.00E+00	0.00E+00	10
Total dioxin/furan compounds	0.00E+00	0.00E+00	10
Dibenz(a,h)anthracene	0.00E+00	0.00E+00	10
Dichlorodifluoromethane	0.00E+00	0.00E+00	10
1,2-Dichloroethane	0.00E+00	0.00E+00	10
Ethylbenzene	0.00E+00	0.00E+00	10
Ethylene	0.00E+00	0.00E+00	10
Fluoranthene	0.00E+00	0.00E+00	10
Fluorene	0.00E+00	0.00E+00	10
Formaldehyde(1)	0.00E+00	0.00E+00	10
1,2,3,4,7,8-Hexachlorodibenzofuran	0.00E+00	0.00E+00	10
Hexane	0.00E+00	0.00E+00	10
Hydrogen cyanide	0.00E+00	0.00E+00	10
Indeno(1,2,3-cd)pyrene	0.00E+00	0.00E+00	10
Lead(1)	0.00E+00	0.00E+00	10
Manganese(1)	0.00E+00	0.00E+00	10
Mercury Compounds(1)	0.00E+00	0.00E+00	10
Methylene Chloride	0.00E+00	0.00E+00	10
Napthalene(1)	7.86E-06	1.13E-06	10
Nitric Acid	0.00E+00	0.00E+00	10

Notes:

1. HAP - Hazardous Air Pollutant, AP-42
2. Total HAPs cannot exceed 10 tpy (NJAC 7:27-8.1, "Major Facility" definition).
3. Emission value in shaded blocks exceed State permitted levels and require a permit.
4. PTE is calculated based on all significant and insignificant stationary sources and applicable source operations.
5. Actual emissions are calculated based on all significant and insignificant stationary sources and applicable source operations.
6. Permitted emissions are levels that the facility's actual emissions cannot exceed.
7. Permitted emission limits are a compilation of all general permits PTE issued to this facility.

1,2,3,4,6,7,8,9 - Octachlorodibenzofuran	0.00E+00	0.00E+00	10
1,2,3,7,8-Pentachlorodibenzofurane	0.00E+00	0.00E+00	10
2,3,4,7,8-Pentachlorodibenzofuran	0.00E+00	0.00E+00	10
Phenanthrene	2.19E-07	3.15E-08	10
Propionaldehyde	0.00E+00	0.00E+00	10
Propylene	0.00E+00	0.00E+00	10
Pyrene	6.44E-08	9.27E-09	10
Poly Organic Matter (1)	0.00E+00	0.00E+00	10
Propylene (1)	0.00E+00	0.00E+00	10
N-Hexane(1)	2.32E-02	3.34E-03	10
Nickel(1)	2.71E-05	3.89E-06	10
Selenium(1)	3.09E-07	4.45E-08	10
Styrene	0.00E+00	0.00E+00	10
Sulfuric Acid	0.00E+00	0.00E+00	10
2,3,7,8-Tetrachlorodibenzofurane	0.00E+00	0.00E+00	10
Toluene(1)	4.38E-05	6.30E-06	10
1,1,1-Trichloroethane	0.00E+00	0.00E+00	10
1,2,4-Trimethylbenzene	0.00E+00	0.00E+00	10
m-Xylene, p-Xylene	0.00E+00	0.00E+00	10
o-Xylene	0.00E+00	0.00E+00	10
Zinc	0.00E+00	0.00E+00	10
Isomers of xylene (1)	0.00E+00	0.00E+00	10
n-Butane	2.71E-02	3.89E-03	10
2-Methyl Naphthalene	3.09E-07	4.45E-08	10
3-Methylcholanthrene	2.32E-08	3.34E-09	10
Molybdenum	1.42E-05	2.04E-06	10
n-Pentane	3.35E-02	4.82E-03	10
PM, condensable	7.34E-02	1.06E-02	10
PM, primary	9.79E-02	1.41E-02	10
PM10, filterable	2.45E-02	3.52E-03	10
PM10, primary	9.79E-02	1.41E-02	10
PM2.5, filterable	2.45E-02	3.52E-03	10
PM2.5, primary	9.79E-02	1.41E-02	10
Propane	2.06E-02	2.97E-03	10
Vanadium	2.96E-05	4.26E-06	10
Total HAPs (2)	0.67	0.10	
Greenhouse Gasses			
Carbon Dioxide	1.55E+03	2.23E+02	10
Nitrous Oxide	2.83E-02	4.08E-03	10
Total Greenhouse Gasses	1.55E+03	2.23E+02	

Table MY12
Mt. Holly Armory Emission Summary

Pollutant	Emission Summary		NJ State Limits (Tons/Year)
	PTE (Tons/Year)	Actual Emissions (Tons/Year)	
Primary Pollutants			
VOC	1.32E-01	2.07E-03	25
NOx	2.46E+00	3.84E-02	25
SOx	1.44E-02	2.26E-04	100
CO	2.02E+00	3.16E-02	100
PM, Filterable	4.57E-02	7.14E-04	100
HAPs			
PM10	0.00E+00	0.00E+00	100
TOC	2.65E-01	4.14E-03	25
Acenaphthene	4.33E-08	6.77E-10	10
Acenaphthylene	4.33E-08	6.77E-10	10
Acetonitrile	0.00E+00	0.00E+00	10
Acetaldehyde	0.00E+00	0.00E+00	10
Acroleine	0.00E+00	0.00E+00	10
Acrylonitrile	0.00E+00	0.00E+00	10
Aluminum	0.00E+00	0.00E+00	10
Ammonia	1.18E-02	1.84E-04	10
Anthracene	5.77E-08	9.02E-10	10
Antimony	0.00E+00	0.00E+00	10
Arsenic (1)	4.81E-06	7.52E-08	10
Barium	1.06E-04	1.65E-06	10
Benzene(1)	5.05E-05	7.90E-07	10
Benzo(a)anthracene	4.33E-08	6.77E-10	10
Benzo(b)fluoranthene	4.33E-08	6.77E-10	10
Benzo(k)fluotanthene	4.33E-08	6.77E-10	10
Benzo(g,h,i)perylene	2.89E-08	4.51E-10	10
Benzo(a)pyrene	2.89E-08	4.51E-10	10
Benzo(e)pyrene	0.00E+00	0.00E+00	10
1,3-Butadiene(1)	0.00E+00	0.00E+00	10
Beryllium(1)	2.89E-07	4.51E-09	10
Carbon Disulfide	0.00E+00	0.00E+00	10
Cadmium(1)	2.65E-05	4.14E-07	10
Chromium(1)	3.37E-05	5.26E-07	10
Chrysene	4.33E-08	6.77E-10	10
Chloromethane	0.00E+00	0.00E+00	10
Cobalt(1)	2.02E-06	3.16E-08	10
Copper	2.04E-05	3.20E-07	10
Dibenz(a,h)anthracene	2.89E-08	4.51E-10	10
Dichlorodifluoromethane	0.00E+00	0.00E+00	10
1,2-Dichloroethane	0.00E+00	0.00E+00	10
Total dioxin/furan compounds	0.00E+00	0.00E+00	10
Dibenz(a,h)anthracene	0.00E+00	0.00E+00	10
Dichlorodifluoromethane	0.00E+00	0.00E+00	10
1,2-Dichloroethane	0.00E+00	0.00E+00	10
Ethylbenzene	0.00E+00	0.00E+00	10
Ethylene	0.00E+00	0.00E+00	10
Fluoranthene	7.21E-08	1.13E-09	10
Fluorene	6.73E-08	1.05E-09	10
Formaldehyde(1)	1.80E-03	2.82E-05	10
1,2,3,4,7,8-Hexachlorodibenzofuran	0.00E+00	0.00E+00	10
Hexane	0.00E+00	0.00E+00	10
Hydrogen cyanide	0.00E+00	0.00E+00	10
Indeno(1,2,3-cd)pyrene	4.33E-08	6.77E-10	10
Lead(1)	1.20E-05	1.88E-07	10
Manganese(1)	9.14E-06	1.43E-07	10
Mercury Compounds(1)	6.25E-06	9.78E-08	10
Methylene Chloride	0.00E+00	0.00E+00	10
Napthalene(1)	1.47E-05	2.29E-07	10
Nitric Acid	0.00E+00	0.00E+00	10

Notes:

1. HAP - Hazardous Air Pollutant, AP-42
2. Total HAPs cannot exceed 10 tpy (NJAC 7:27-8.1, "Major Facility" definition).
3. Emission value in shaded blocks exceed State permitted levels and require a permit.
4. PTE is calculated based on all significant and insignificant stationary sources and applicable source operations.
5. Actual emissions are calculated based on all significant and insignificant stationary sources and applicable source operations.
6. Permitted emissions are levels that the facility's actual emissions cannot exceed.
7. Permitted emission limits are a compilation of all general permits PTE issued to this facility.

1,2,3,4,6,7,8,9 - Octachlorodibenzofuran	0.00E+00	0.00E+00	10
1,2,3,7,8-Pentachlorodibenzofurane	0.00E+00	0.00E+00	10
2,3,4,7,8-Pentachlorodibenzofuran	0.00E+00	0.00E+00	10
Phenanthrene	4.09E-07	6.39E-09	10
Propionaldehyde	0.00E+00	0.00E+00	10
Propylene	0.00E+00	0.00E+00	10
Pyrene	1.20E-07	1.88E-09	10
Poly Organic Matter (1)	0.00E+00	0.00E+00	10
Propylene (1)	0.00E+00	0.00E+00	10
N-Hexane(1)	4.33E-02	6.77E-04	10
Nickel(1)	5.05E-05	7.90E-07	10
Selenium(1)	5.77E-07	9.02E-09	10
Styrene	0.00E+00	0.00E+00	10
Sulfuric Acid	0.00E+00	0.00E+00	10
2,3,7,8-Tetrachlorodibenzofurane	0.00E+00	0.00E+00	10
Toluene(1)	8.18E-05	1.28E-06	10
1,1,1-Trichloroethane	0.00E+00	0.00E+00	10
1,2,4-Trimethylbenzene	0.00E+00	0.00E+00	10
m-Xylene, p-Xylene	0.00E+00	0.00E+00	10
o-Xylene	0.00E+00	0.00E+00	10
Zinc	6.97E-04	1.09E-05	10
Isomers of xylene (1)	0.00E+00	0.00E+00	10
2-Methyl Naphthalene	5.77E-07	9.02E-09	10
3-Methylcholanthrene	4.33E-08	6.77E-10	10
Dichlorobenzene, mixed isomers	2.89E-05	4.51E-07	10
Dimethylbenz(a)anthracene	3.85E-07	6.02E-09	10
Ethane	7.45E-02	1.17E-03	10
Molybdenum	2.65E-05	4.14E-07	10
n-Butane	5.05E-02	4.14E-07	10
n-Pentane	6.25E-02	9.78E-04	10
PM, condensable	1.37E-01	2.14E-03	10
PM, primary	1.83E-01	2.86E-03	10
PM10, filterable	4.57E-02	7.14E-04	10
PM10, primary	1.83E-01	2.86E-03	10
PM2.5, filterable	4.57E-02	7.14E-04	10
PM2.5, primary	1.83E-01	2.86E-03	10
Propane	3.85E-02	6.02E-04	10
Vanadium	5.53E-05	8.65E-07	10
Total HAPs (2)	1.33	0.02	
Greenhouse Gasses			
Carbon Dioxide	2.89E+03	4.51E+01	10
Methane	5.53E-02	8.65E-04	10
Total Greenhouse Gasses	2.89E+03	4.51E+01	

Table NK12 Newark Armory Emission Summary			
Pollutant	Emission Summary		NJ State Limits (Tons/Year)
	PTE (Tons/Year)	Actual Emissions (Tons/Year)	
Primary Pollutants			
VOC	1.493906859	0.00	25
NOx	2.55	0.06	25
SOx	0.02	0.00	100
CO	1.93	0.05	100
PM, Filterable	0.05	0.00	100
TOC	0	0.00	25
HAPs			
PM10	0.2458124706	0.006113932211	100
Acenaphthene	0.00000004022385882	1.00E-09	10
Acenaphthylene	0.00000004022385882	1.00E-09	10
Acetonitrile	0	0	10
Acetaldehyde	0	0	10
Acroleine	0	0	10
Acrylonitrile	0	0	10
Aluminum	0	0	10
Ammonia	0.01094982824	2.72E-04	10
Anthracene	0.00000005363181176	1.33E-09	10
Antimony	0	0	10
Arsenic (1)	4.47E-06	1.11E-07	10
Barium	0.00009832498824	2.45E-06	10
Benzene(1)	0.00004692783529	0.00	10
Benzo(a)anthracene	0.00000004022385882	1.00E-09	10
Benzo(b)fluoranthene	0.00000004022385882	1.00E-09	10
Benzo(k)fluotanthene	0.00000004022385882	1.00E-09	10
Benzo(g,h,i)perylene	0.00000002681590588	6.67E-10	10
Benzo(a)pyrene	0.00000002681590588	0.0000000006669744231	10
Benzo(e)pyrene	0	0.00E+00	10
1,3-Butadiene(1)	0	0	10
Beryllium(1)	2.68E-07	0.000000006669744231	10
Carbon Disulfide	0	0	10
Cadmium(1)	2.46E-05	6.11E-07	10
Chromium(1)	3.13E-05	7.78E-07	10
Chrysene	0.00000004022385882	1.00E-09	10
Chloromethane	0	0.00E+00	10
Cobalt(1)	1.88E-06	4.67E-08	10
Copper	0.0000189946	0.0000004724402163	10
Dibenz(a,h)anthracene	0.00000002681590588	0.0000000006669744231	10
Dichlorodifluoromethane	0	0	10
1,2-Dichloroethane	0	0	10
Total dioxin/furan compounds	0	0	10
Dibenz(a,h)anthracene	0	0.00E+00	10
Dichlorodifluoromethane	0	0	10
1,2-Dichloroethane	0	0	10
Ethylbenzene	0	0	10
Ethylene	0	0	10
Fluoranthene	0.00000006703976471	1.67E-09	10
Fluorene	0.00000006257044706	1.56E-09	10
Formaldehyde(1)	1.68E-03	0.00	10
1,2,3,4,7,8-Hexachlorodibenzofuran	0	0	10
Hexane	0	0.00E+00	10
Hydrogen cyanide	0	0	10
Indeno(1,2,3-cd)pyrene	0.00000004022385882	1.00E-09	10
Lead(1)	1.12E-05	2.78E-07	10
Manganese(1)	8.49E-06	2.11E-07	10
Mercury Compounds(1)	5.81E-06	1.45E-07	10
Methylene Chloride	0	0	10
Napthalene(1)	1.36E-05	0.00	10
Nitric Acid	0	0	10
1,2,3,4,6,7,8,9 - Octachlorodibenzofuran	0	0	10
1,2,3,7,8-Pentachlorodibenzofurane	0	0	10
2,3,4,7,8-Pentachlorodibenzofuran	0	0	10
Phenanthrene	0.000000379892	9.45E-09	10
Propionaldehyde	0	0	10
Propylene	0	0	10

Notes:

1. HAP - Hazardous Air Pollutant, AP-42
2. Total HAPs cannot exceed 10 tpy (NJAC 7:27-8.1, "Major Facility" definition).
3. Emission value in shaded blocks exceed State permitted levels and require a permit.
4. PTE is calculated based on all significant and insignificant stationary sources and applicable source operations.
5. Actual emissions are calculated based on all significant and insignificant stationary sources and applicable source operations.
6. Permitted emissions are levels that the facility's actual emissions cannot exceed.
7. Permitted emission limits are a compilation of all general permits PTE issued to this facility.

Pyrene	0.0000001117329412	2.78E-09	10
Poly Organic Matter (1)	0	0	10
Propylene (1)	0	0	10
N-Hexane(1)	4.02E-02	1.00E-03	10
Nickel(1)	4.69E-05	1.17E-06	10
Selenium(1)	5.36E-07	1.33E-08	10
Styrene	0	0	10
Sulfuric Acid	0	0	10
2,3,7,8-Tetrachlorodibenzofurane	0	0	10
Toluene(1)	7.60E-05	0.00	10
1,1,1-Trichloroethane	0	0	10
1,2,4-Trimethylbenzene	0	0	10
m-Xylene, p-Xylene	0	0	10
o-Xylene	0	0	10
Zinc	0.0006480510588	1.61E-05	10
Isomers of xylene (1)	0	0	10
2-Methyl Naphthalene	0.0000005363181176	0.00	10
3-Methylcholanthrene	0.00000004022385882	0.000000001000461635	10
Dichlorobenzene, mixed isomers	0.00002681590588	0.0000006669744231	10
Dimethylbenz(a)anthracene	0.0000003575454118	0.000000008892992307	10
Ethane	0.06927442353	0.00172301726	10
Molybdenum	0.00002458124706	0.0000006113932211	10
n-Butane	0.04692783529	0.00116720524	10
n-Pentane	0.05810112941	0.00144511125	10
PM, condensable	0.1426733471	0.0035486205	10
PM, primary	0.1698340706	0.004224171346	10
PM10, filterable	0.05050998824	0.001256301779	10
PM10, primary	0.1931833353	0.004804922279	10
PM2.5, filterable	0.05050998824	0.001256301779	10
PM2.5, primary	0.1931833353	0.004804922279	10
Propane	0.03575454118	0.0008892992307	10
Vanadium	0.00005139715294	0.000001278367644	10
Total HAPs (2)	1.31	0.03	
Greenhouse Gasses			
Carbon Dioxide	2681.590588	66.69744231	10
Methane	0.05139715294	0.001278367644	10
Total Greenhouse Gasses	2.68E+03	6.67E+01	

Table OU12
Old UTES Armory Emission Summary

Pollutant	Emission Summary		NJ State Limits (Tons/Year)
	PTE (Tons/Year)	Actual Emissions (Tons/Year)	
Primary Polltants			
VOC	0.3330944167	0	25
NOx	2.029573827	0.1075859655	25
SOx	6.21550251	0.32947845	100
CO	0.4228233	0.0224135	100
PM, Filterable	0.16912932	0.0089654	100
HAPs			
PM10	0	0	100
TOC	0.04701795096	0.0024923812	25
Acenaphthene	0	0	10
Acenaphthylene	0	0	10
Acetonitrile	0	0	10
Acetaldehyde	0	0	10
Acroleine	0	0	10
Acrylonitrile	0	0	10
Aluminum	0	0	10
Ammonia	0.067651728	0.00358616	10
Anthracene	0	0	10
Antimony	0	0	10
Arsenic (1)	0.0000473562096	0.005020624	10
Barium	0	0	10
Benzene(1)	0.000232552815	0.000012327425	10
Benzo(a)anthracene	0	0	10
Benzo(b)fluoranthene	0	0	10
Benzo(k)fluotanthene	0	0	10
Benzo(g,h,i)perylene	0	0	10
Benzo(a)pyrene	0	0	10
Benzo(e)pyrene	0	0	10
1,3-Butadiene(1)	0	0	10
Beryllium(1)	0.0000355171572	0.003765468	10
Carbon Disulfide	0	0	10
Cadmium(1)	0.0000355171572	0.003765468	10
Chromium(1)	0.0000355171572	0.003765468	10
Chrysene	0	0	10
Chloromethane	0	0	10
Cobalt(1)	0	0	10
Copper	0.0000710343144	0.007530936	10
Dibenz(a,h)anthracene	0	0	10
Dichlorodifluoromethane	0	0	10
1,2-Dichloroethane	0	0	10
Total dioxin/furan compounds	0	0	10
Dibenz(a,h)anthracene	0	0	10
Dichlorodifluoromethane	0	0	10
1,2-Dichloroethane	0	0	10
Ethylbenzene	0	0	10
Ethylene	0	0	10
Fluoranthene	0	0	10
Fluorene	0	0	10
Formaldehyde(1)	0.00515844426	0.0002734447	10
1,2,3,4,7,8-Hexachlorodibenzofuran	0	0	10
Hexane	0	0	10
Hydrogen cyanide	0	0	10
Indeno(1,2,3-cd)pyrene	0	0	10
Lead(1)	0.0001065514716	0.011296404	10
Manganese(1)	0.0000710343144	0.007530936	10
Mercury Compounds(1)	0.0000355171572	0.003765468	10
Methylene Chloride	0	0	10
Napthalene(1)	0	0	10
Nitric Acid	0	0	10
1,2,3,4,6,7,8,9 - Octachlorodibenzofuran	0	0	10
1,2,3,7,8-Pentachlorodibenzofurane	0	0	10
2,3,4,7,8-Pentachlorodibenzofuran	0	0	10
Phenanthrene	0	0	10
Propionaldehyde	0	0	10
Propylene	0	0	10
Pyrene	0	0	10

Notes:

1. HAP - Hazardous Air Pollutant, AP-42
2. Total HAPs cannot exceed 10 tpy (NJAC 7:27-8.1, "Major Facility" definition).
3. Emission value in shaded blocks exceed State permitted levels and require a permit.
4. PTE is calculated based on all significant and insignificant stationary sources and applicable source operations.
5. Actual emissions are calculated based on all significant and insignificant stationary sources and applicable source operations.
6. Permitted emissions are levels that the facility's actual emissions cannot exceed.
7. Permitted emission limits are a compilation of all general permits PTE issued to this facility.

Poly Organic Matter (1)	0	0	10
Propylene (1)	0	0	10
N-Hexane(1)	0	0	10
Nickel(1)	0.0000355171572	0.003765468	10
Selenium(1)	0.000177585786	0.01882734	10
Styrene	0	0	10
Sulfuric Acid	0	0	10
2,3,7,8-Tetrachlorodibenzofurane	0	0	10
Toluene(1)	0	0	10
1,1,1-Trichloroethane	0	0	10
1,2,4-Trimethylbenzene	0	0	10
m-Xylene, p-Xylene	0	0	10
o-Xylene	0	0	10
Zinc	0.0000473562096	0.0000179308	10
Isomers of xylene (1)	0	0	10
PM, condensable	0.109934058	0.00582751	10
PM10, filterable	0.0913298328	0.004841316	10
PM10, primary	0.0913298328	0.004841316	10
PM2.5, filterable	0.0913298328	0.004841316	10
PM2.5, primary	0.0913298328	0.004841316	10
Polycyclic organic matter (POM)	0.0913298328	0.004841316	10
Total non-methane organic compounds (TNMOC)	0.0287519844	0.001524118	10
Total HAPs (2)	0.72	0.11	
Greenhouse Gasses			
Methane	0.01826596656	0.0009682632	10
Total Greenhouse Gasses	0.01826596656	0.0009682632	

Table PY12 Picatinny Armory Emission Summary			
Pollutant	Emission Summary		NJ State Limits (Tons/Year)
	PTE (Tons/Year)	Actual Emissions (Tons/Year)	
Primary Pollutants			
VOC	0.08873634241	0.01	25
NOx	1.60	0.10	25
SOx	0.01	0.00	100
CO	1.32	0.08	100
PM, Filterable	0.03	0.00	100
HAPs			
PM10	0	0	100
TOC	0.1724560588	0.01	25
Acenaphthene	0.00000002822008235	1.79E-09	10
Acenaphthylene	0.00000002822008235	1.79E-09	10
Acetonitrile	0	0	10
Acetaldehyde	0	0	10
Acroleine	0	0	10
Acrylonitrile	0	0	10
Aluminum	0	0	10
Ammonia	0.007682133529	4.86E-04	10
Anthracene	0.00000003762677647	2.38E-09	10
Antimony	0	0	10
Arsenic (1)	3.14E-06	1.98E-07	10
Barium	0.00006898242353	4.37E-06	10
Benzene(1)	0.00003292342941	0.00	10
Benzo(a)anthracene	0.00000002822008235	1.79E-09	10
Benzo(b)fluoranthene	0.00000002822008235	1.79E-09	10
Benzo(k)fluotanthene	0.00000002822008235	1.79E-09	10
Benzo(g,h,i)perylene	0.00000001881338824	1.19E-09	10
Benzo(a)pyrene	0.00000001881338824	0.000000001190688	10
Benzo(e)pyrene	0	0.00E+00	10
1,3-Butadiene(1)	0	0	10
Beryllium(1)	1.88E-07	0.00000001190688	10
Carbon Disulfide	0	0	10
Cadmium(1)	1.72E-05	1.09E-06	10
Chromium(1)	2.19E-05	1.39E-06	10
Chrysene	0.00000002822008235	1.79E-09	10
Chloromethane	0	0.00E+00	10
Cobalt(1)	1.32E-06	8.33E-08	10
Copper	0.00001332615	0.000000843404	10
Dibenz(a,h)anthracene	0.00000001881338824	0.000000001190688	10
Dichlorodifluoromethane	0	0	10
1,2-Dichloroethane	0	0	10
Total dioxin/furan compounds	0	0	10
Dibenz(a,h)anthracene	0	0.00E+00	10
Dichlorodifluoromethane	0	0	10
1,2-Dichloroethane	0	0	10
Ethylbenzene	0	0	10
Ethylene	0	0	10
Fluoranthene	0.00000004703347059	2.98E-09	10
Fluorene	0.00000004389790588	2.78E-09	10
Formaldehyde(1)	1.18E-03	0.00	10
1,2,3,4,7,8-Hexachlorodibenzofuran	0	0	10
Hexane	0	0.00E+00	10
Hydrogen cyanide	0	0	10
Indeno(1,2,3-cd)pyrene	0.00000002822008235	1.79E-09	10
Lead(1)	7.84E-06	4.96E-07	10
Manganese(1)	5.96E-06	3.77E-07	10
Mercury Compounds(1)	4.08E-06	2.58E-07	10
Methylene Chloride	0	0	10
Napthalene(1)	9.56E-06	0.00	10
Nitric Acid	0	0	10
1,2,3,4,6,7,8,9 - Octachlorodibenzofuran	0	0	10
1,2,3,7,8-Pentachlorodibenzofurane	0	0	10
2,3,4,7,8-Pentachlorodibenzofuran	0	0	10
Phenanthrene	0.000000266523	1.69E-08	10
Propionaldehyde	0	0	10

Notes:

1. HAP - Hazardous Air Pollutant, AP-42
2. Total HAPs cannot exceed 10 tpy (NJAC 7:27-8.1, "Major Facility" definition).
3. Emission value in shaded blocks exceed State permitted levels and require a permit.
4. PTE is calculated based on all significant and insignificant stationary sources and applicable source operations.
5. Actual emissions are calculated based on all significant and insignificant stationary sources and applicable source operations.
6. Permitted emissions are levels that the facility's actual emissions cannot exceed.
7. Permitted emission limits are a compilation of all general permits PTE issued to this facility.

Propylene	0	0	10
Pyrene	0	0.00E+00	10
Poly Organic Matter (1)	0	0	10
Propylene (1)	0	0	10
N-Hexane(1)	2.82E-02	1.79E-03	10
Nickel(1)	3.29E-05	2.08E-06	10
Selenium(1)	0.00E+00	0.00E+00	10
Styrene	0	0	10
Sulfuric Acid	0	0	10
2,3,7,8-Tetrachlorodibenzofurane	0	0	10
Toluene(1)	5.33E-05	0.00	10
1,1,1-Trichloroethane	0	0	10
1,2,4-Trimethylbenzene	0	0	10
m-Xylene, p-Xylene	0	0	10
o-Xylene	0	0	10
Zinc	0.0004546568824	2.88E-05	10
Isomers of xylene (1)	0	0	10
2-Methyl Naphthalene	0.0000003762677647	0.00	10
3-Methylcholanthrene	0.00000002822008235	0.000000001786032	10
Dichlorobenzene, mixed isomers	0.00001881338824	0.000001190688	10
Dimethylbenz(a)anthracene	0.0000002508451765	0.00000001587584	10
Ethane	0.04860125294	0.003075944	10
Molybdenum	0.00001724560588	0.000001091464	10
n-Butane	0.03292342941	0.002083704	10
n-Pentane	0.04076234118	0.002579824	10
PM, condensable	0.08936359412	0.005655768	10
PM, primary	0.1191514588	0.007541024	10
PM10, filterable	0.02978786471	0.001885256	10
PM10, primary	0.1191514588	0.007541024	10
PM2.5, filterable	0.02978786471	0.001885256	10
PM2.5, primary	0.1191514588	0.007541024	10
Propane	0.02508451765	0.001587584	10
Vanadium	0.00003605899412	0.000002282152	10
Total HAPs (2)	0.86	0.05	
Carbon Dioxide Emissions			
Carbon Dioxide	1881.338824	119.0688	10
Methane	0.03605899412	0.002282152	10
Total Greenhouse Gasses	1.88E+03	1.19E+02	

Table PN12 Princeton Armory Emission Summary			
Pollutant	Emission Summary		NJ State Limits (Tons/Year)
	PTE (Tons/Year)	Actual Emissions (Tons/Year)	
Primary Pollutants			
VOC	4.51E-01	5.78E-04	25
NOx	1.32E+01	1.90E-02	25
SOx	1.97E+00	6.05E-02	100
CO	0.00E+00	0.00E+00	100
PM, Filterable	0.00E+00	0.00E+00	100
HAPs			
PM10	0.00E+00	0.00E+00	100
TOC	1.08E+00	1.55E-03	25
Acenaphthene	4.26E-06	6.14E-09	10
Acenaphthylene	1.52E-05	2.19E-08	10
Acetonitrile	0.00E+00	0.00E+00	10
Acetaldehyde	2.30E-03	3.31E-06	10
Acroleine	2.78E-04	4.00E-07	10
Acrylonitrile	0.00E+00	0.00E+00	10
Aluminum	0.00E+00	0.00E+00	10
Ammonia	1.23E-02	6.60E-04	10
Anthracene	5.61E-06	8.08E-09	10
Antimony	0.00E+00	0.00E+00	10
Arsenic (1)	0.00E+00	0.00E+00	10
Barium	0.00E+00	0.00E+00	10
Benzene(1)	2.80E-03	4.03E-06	10
Benzo(a)anthracene	5.04E-06	7.26E-09	10
Benzo(b)fluoranthene	2.97E-07	4.28E-10	10
Benzo(k)fluotanthene	4.65E-07	6.70E-10	10
Benzo(g,h,i)perylene	1.47E-06	2.11E-09	10
Benzo(a)pyrene	5.64E-07	8.12E-10	10
Benzo(e)pyrene	0.00E+00	0.00E+00	10
1,3-Butadiene(1)	1.17E-04	1.69E-07	10
Beryllium(1)	0.00E+00	0.00E+00	10
Carbon Disulfide	0.00E+00	0.00E+00	10
Cadmium(1)	0.00E+00	0.00E+00	10
Chromium(1)	0.00E+00	0.00E+00	10
Chrysene	1.06E-06	1.53E-09	10
Chloromethane	0.00E+00	0.00E+00	10
Cobalt(1)	0.00E+00	0.00E+00	10
Copper	0.00E+00	0.00E+00	10
Dibenz(a,h)anthracene	1.75E-06	2.52E-09	10
Dichlorodifluoromethane	0.00E+00	0.00E+00	10
1,2-Dichloroethane	0.00E+00	0.00E+00	10
Total dioxin/furan compounds	0.00E+00	0.00E+00	10
Dibenz(a,h)anthracene	0.00E+00	0.00E+00	10
Dichlorodifluoromethane	0.00E+00	0.00E+00	10
1,2-Dichloroethane	0.00E+00	0.00E+00	10
Ethylbenzene	0.00E+00	0.00E+00	10
Ethylene	0.00E+00	0.00E+00	10
Fluoranthene	2.28E-05	3.29E-08	10
Fluorene	8.76E-05	1.26E-07	10
Formaldehyde(1)	3.54E-03	5.10E-06	10
1,2,3,4,7,8-Hexachlorodibenzofuran	0.00E+00	0.00E+00	10
Hexane	0.00E+00	0.00E+00	10
Hydrogen cyanide	0.00E+00	0.00E+00	10
Indeno(1,2,3-cd)pyrene	1.13E-06	1.62E-09	10
Lead(1)	0.00E+00	0.00E+00	10
Manganese(1)	0.00E+00	0.00E+00	10
Mercury Compounds(1)	0.00E+00	0.00E+00	10
Methylene Chloride	0.00E+00	0.00E+00	10
Napthalene(1)	2.54E-04	3.66E-07	10

Notes:

1. HAP - Hazardous Air Pollutant, AP-42
2. Total HAPs cannot exceed 10 tpy (NJAC 7:27-8.1, "Major Facility" definition).
3. Emission value in shaded blocks exceed State permitted levels and require a permit.
4. PTE is calculated based on all significant and insignificant stationary sources and applicable source operations.
5. Actual emissions are calculated based on all significant and insignificant stationary sources and applicable source operations.
6. Permitted emissions are levels that the facility's actual emissions cannot exceed.
7. Permitted emission limits are a compilation of all general permits PTE issued to this facility.

Nitric Acid	0.00E+00	0.00E+00	10
1,2,3,4,6,7,8,9 - Octachlorodibenzofuran	0.00E+00	0.00E+00	10
1,2,3,7,8-Pentachlorodibenzofurane	0.00E+00	0.00E+00	10
2,3,4,7,8-Pentachlorodibenzofuran	0.00E+00	0.00E+00	10
Phenanthrene	8.82E-05	1.27E-07	10
Propionaldehyde	0.00E+00	0.00E+00	10
Propylene	7.74E-03	1.11E-05	10
Pyrene	1.43E-05	2.07E-08	10
Poly Organic Matter (1)	0.00E+00	0.00E+00	10
Propylene (1)	0.00E+00	0.00E+00	10
N-Hexane(1)	0.00E+00	0.00E+00	10
Nickel(1)	0.00E+00	0.00E+00	10
Selenium(1)	0.00E+00	0.00E+00	10
Styrene	0.00E+00	0.00E+00	10
Sulfuric Acid	0.00E+00	0.00E+00	10
2,3,7,8-Tetrachlorodibenzofurane	0.00E+00	0.00E+00	10
Toluene(1)	1.23E-03	1.77E-06	10
1,1,1-Trichloroethane	0.00E+00	0.00E+00	10
1,2,4-Trimethylbenzene	0.00E+00	0.00E+00	10
m-Xylene, p-Xylene	0.00E+00	0.00E+00	10
o-Xylene	0.00E+00	0.00E+00	10
Zinc	0.00E+00	0.00E+00	10
Isomers of xylene (1)	0.00E+00	0.00E+00	10
PM, condensable	1.99E-02	1.07E-03	10
PM10, filterable	9.68E-01	3.37E-03	10
PM10, primary	5.76E-02	3.10E-03	10
PM2.5, filterable	9.40E-01	1.85E-03	10
PM2.5, primary	2.94E-02	1.58E-03	10
Aldehydes	2.10E-01	3.02E-04	10
Isomers of xylene	8.55E-04	1.23E-06	10
Polycyclic aromatic hydrocarbons (PAH)	5.04E-04	7.26E-07	10
Total HAPs (2)	3.34	0.01	
Carbon Dioxide Emissions			
Carbon Dioxide	4.95E+02	7.13E-01	10
Total Greenhouse Gasses	4.95E+02	7.13E-01	

Table RE12
Riverdale Armory Emission Summary

Pollutant	Emission Summary		NJ State Limits (Tons/Year)
	PTE (Tons/Year)	Actual Emissions (Tons/Year)	
Primary Pollutants			
VOC	4.50E-01	2.47E-03	25
NOx	1.23E+00	4.59E-02	25
SOx	0.00E+00	0.00E+00	100
CO	1.01E+00	3.77E-02	100
PM, Filterable	2.28E-02	8.53E-04	100
HAPs			
PM10	0.00E+00	0.00E+00	100
TOC	1.32E-01	4.94E-03	25
Acenaphthene	2.16E-08	8.08E-10	10
Acenaphthylene	2.16E-08	8.08E-10	10
Acetonitrile	0.00E+00	0.00E+00	10
Acetaldehyde	0.00E+00	0.00E+00	10
Acroleine	0.00E+00	0.00E+00	10
Acrylonitrile	0.00E+00	0.00E+00	10
Aluminum	0.00E+00	0.00E+00	10
Ammonia	5.89E-03	2.20E-04	10
Anthracene	2.89E-08	1.08E-09	10
Antimony	0.00E+00	0.00E+00	10
Arsenic (1)	2.40E-06	8.97E-08	10
Barium	5.29E-05	1.97E-06	10
Benzene(1)	2.52E-05	9.42E-07	10
Benzo(a)anthracene	2.16E-08	8.08E-10	10
Benzo(b)fluoranthene	1.44E-08	8.08E-10	10
Benzo(k)fluotanthene	2.16E-08	8.08E-10	10
Benzo(g,h,i)perylene	1.44E-08	5.38E-10	10
Benzo(a)pyrene	1.44E-08	5.38E-10	10
Benzo(e)pyrene	0.00E+00	0.00E+00	10
1,3-Butadiene(1)	0.00E+00	0.00E+00	10
Beryllium(1)	1.44E-07	5.38E-09	10
Carbon Disulfide	0.00E+00	0.00E+00	10
Cadmium(1)	1.32E-05	4.94E-07	10
Chromium(1)	1.68E-05	6.28E-07	10
Chrysene	2.16E-08	8.08E-10	10
Chloromethane	0.00E+00	0.00E+00	10
Cobalt(1)	1.01E-06	3.77E-08	10
Copper	1.02E-05	3.81E-07	10
Dibenz(a,h)anthracene	1.44E-08	5.38E-10	10
Dichlorodifluoromethane	0.00E+00	0.00E+00	10
1,2-Dichloroethane	0.00E+00	0.00E+00	10
Total dioxin/furan compounds	0.00E+00	0.00E+00	10
Dibenz(a,h)anthracene	0.00E+00	0.00E+00	10
Dichlorodifluoromethane	0.00E+00	0.00E+00	10
1,2-Dichloroethane	0.00E+00	0.00E+00	10
Ethylbenzene	0.00E+00	0.00E+00	10
Ethylene	0.00E+00	0.00E+00	10
Fluoranthene	3.61E-08	1.35E-09	10
Fluorene	3.37E-08	1.26E-09	10
Formaldehyde(1)	9.02E-04	3.37E-05	10
1,2,3,4,7,8-Hexachlorodibenzofuran	0.00E+00	0.00E+00	10
Hexane	0.00E+00	0.00E+00	10
Hydrogen cyanide	0.00E+00	0.00E+00	10
Indeno(1,2,3-cd)pyrene	2.16E-08	8.08E-10	10
Lead(1)	6.01E-06	2.24E-07	10
Manganese(1)	4.57E-06	1.71E-07	10

Notes:

1. HAP - Hazardous Air Pollutant, AP-42
2. Total HAPs cannot exceed 10 tpy (NJAC 7:27-8.1, "Major Facility" definition).
3. Emission value in shaded blocks exceed State permitted levels and require a permit.
4. PTE is calculated based on all significant and insignificant stationary sources and applicable source operations.
5. Actual emissions are calculated based on all significant and insignificant stationary sources and applicable source operations.
6. Permitted emissions are levels that the facility's actual emissions cannot exceed.
7. Permitted emission limits are a compilation of all general permits PTE issued to this facility.

Mercury Compounds(1)	3.13E-06	1.17E-07	10
Methylene Chloride	0.00E+00	0.00E+00	10
Napthalene(1)	7.33E-06	2.74E-07	10
Nitric Acid	0.00E+00	0.00E+00	10
,3,4,6,7,8,9 - Octachlorodibenzofur	0.00E+00	0.00E+00	10
1,2,3,7,8-Pentachlorodibenzofurane	0.00E+00	0.00E+00	10
2,3,4,7,8-Pentachlorodibenzofuran	0.00E+00	0.00E+00	10
Phenanthrene	2.04E-07	7.63E-09	10
Propionaldehyde	0.00E+00	0.00E+00	10
Propylene	0.00E+00	0.00E+00	10
Pyrene	6.01E-08	2.24E-09	10
Poly Organic Matter (1)	0.00E+00	0.00E+00	10
Propylene (1)	0.00E+00	0.00E+00	10
N-Hexane(1)	2.16E-02	8.08E-04	10
Nickel(1)	2.52E-05	9.42E-07	10
Selenium(1)	2.89E-07	1.08E-08	10
Styrene	0.00E+00	0.00E+00	10
Sulfuric Acid	0.00E+00	0.00E+00	10
2,3,7,8-Tetrachlorodibenzofurane	0.00E+00	0.00E+00	10
Toluene(1)	4.09E-05	1.53E-06	10
1,1,1-Trichloroethane	0.00E+00	0.00E+00	10
1,2,4-Trimethylbenzene	0.00E+00	0.00E+00	10
m-Xylene, p-Xylene	0.00E+00	0.00E+00	10
o-Xylene	0.00E+00	0.00E+00	10
Zinc	3.49E-04	1.30E-05	10
Isomers of xylene (1)	0.00E+00	0.00E+00	10
2-Methyl Naphthalene	2.89E-07	1.08E-08	10
3-Methylcholanthrene	2.16E-08	8.08E-10	10
Dichlorobenzene, mixed isomers	1.44E-05	5.38E-07	10
Dimethylbenz(a)anthracene	1.92E-07	7.18E-09	10
Ethane	3.73E-02	1.39E-03	10
Molybdenum	1.32E-05	4.94E-07	10
n-Butane	2.52E-02	9.42E-04	10
n-Pentane	3.13E-02	1.17E-03	10
PM, condensable	6.85E-02	2.56E-03	10
PM, primary	9.14E-02	3.41E-03	10
PM10, filterable	2.28E-02	8.53E-04	100
PM10, primary	9.14E-02	3.41E-03	100
PM2.5, filterable	2.28E-02	8.53E-04	100
PM2.5, primary	9.14E-02	3.41E-03	100
Propane	1.92E-02	7.18E-04	10
Vanadium	2.77E-05	1.03E-06	10
Total HAPs (2)	6.63E-01	2.47E-02	
Greenhouse Gasses			
Carbon Dioxide	1.44E+03	5.38E+01	10
Methane	2.77E-02	1.03E-03	10
Total Greenhouse Gasses	1.44E+03	5.38E+01	

Table ST12 Sea Girt Armory Emission Summary			
Pollutant	Emission Summary		NJ State Limits (Tons/Year)
	PTE (Tons/Year)	Actual Emissions (Tons/Year)	
Primary Pollutants			
VOC	126.46675	0.04	25
NOx	458.52	1.60	25
SOx	29.30	0.06	100
CO	101.24	0.69	100
PM, Filterable	31.49	0.07	100
HAPs			
PM10	0	0	100
TOC	36.32873616	0.07	25
Acenaphthene	0.00000008944475294	1.03E-08	10
Acenaphthylene	0.00000008944475294	1.03E-08	10
Acetonitrile	0	8.51E-08	10
Acetaldehyde	0.0863886812	0.00E+00	10
Acroleine	0.01041845243	3.65E-09	10
Acrylonitrile	0	4.68E-08	10
Aluminum	0	5.99E-07	10
Ammonia	0.02434884941	2.78E-03	10
Anthracene	0.0000001192596706	1.36E-08	10
Antimony	0	1.26E-05	10
Arsenic (1)	9.94E-06	1.16E-06	10
Barium	0.0002186427294	3.18E-05	10
Benzene(1)	0.1051899318	0.00	10
Benzo(a)anthracene	0.00000008944475294	1.07E-08	10
Benzo(b)fluoranthene	0.00000008944475294	1.09E-08	10
Benzo(k)fluotanthene	0.00000008944475294	1.06E-08	10
Benzo(g,h,i)perylene	0.00000005962983529	7.75E-09	10
Benzo(a)pyrene	0.00000005962983529	6.90E-09	10
Benzo(e)pyrene	0	5.67E-10	10
1,3-Butadiene(1)	0.004403907999	1.07E-08	10
Beryllium(1)	5.96E-07	00000067971966	10
Carbon Disulfide	0	2.70E-08	10
Cadmium(1)	5.47E-05	6.23E-06	10
Chromium(1)	6.96E-05	7.93E-06	10
Chrysene	0.00003984851185	1.10E-07	10
Chloromethane	0	1.74E-09	10
Cobalt(1)	4.17E-06	4.76E-07	10
Copper	0.0000422378	1.13E-05	10
Dibenz(a,h)anthracene	0	0	10
Dichlorodifluoromethane	0	7.65E-11	10
1,2-Dichloroethane	0	1.26E-09	10
Total dioxin/furan compounds	0	0	10
Dibenz(a,h)anthracene	0.0000657240381	1.70E-07	10
Dichlorodifluoromethane	0	0	10
1,2-Dichloroethane	0	0	10
Ethylbenzene	0	5.94E-09	10
Ethylene	0	1.81E-06	10
Fluoranthene	0.0008572779715	2.15E-06	10
Fluorene	0.003288991146	8.19E-06	10
Formaldehyde(1)	1.37E-01	0.00	10
1,2,3,4,7,8-Hexachlorodibenzofuran	0	3.44E-15	10
Hexane	0	4.76E-07	10
Hydrogen cyanide	0	4.86E-06	10
Indeno(1,2,3-cd)pyrene	0.00004232641405	1.16E-07	10
Lead(1)	2.48E-05	5.45E-05	10
Manganese(1)	1.89E-05	2.15E-06	10
Mercury Compounds(1)	1.29E-05	1.47E-06	10
Methylene Chloride	0	2.03E-07	10
Napthalene(1)	8.59E-03	0.00	10
Nitric Acid	0	8.55E-08	10
1,2,3,4,6,7,8,9 - Octachlorodibenzofuran	0	8.51E-15	10
1,2,3,7,8-Pentachlorodibenzofurane	0	0.00E+00	10

Notes:

1. HAP - Hazardous Air Pollutant, AP-42
2. Total HAPs cannot exceed 10 tpy (NJAC 7:27-8.1, "Major Facility" definition).
3. Emission value in shaded blocks exceed State permitted levels and require a permit.
4. PTE is calculated based on all significant and insignificant stationary sources and applicable source operations.
5. Actual emissions are calculated based on all significant and insignificant stationary sources and applicable source operations.
6. Permitted emissions are levels that the facility's actual emissions cannot exceed.
7. Permitted emission limits are a compilation of all general permits PTE issued to this facility.

2,3,4,7,8-Pentachlorodibenzofuran	0	0.00E+00	10
Phenanthrene	0.001827872992	5.58E-06	10
Propionaldehyde	0	0.00E+00	10
Propylene	0.2905903488	7.22E-04	10
Pyrene	0.0005386290263	1.37E-06	10
Poly Organic Matter (1)	0	0	10
Propylene (1)	0	0	10
N-Hexane(1)	8.94E-02	1.02E-02	10
Nickel(1)	1.09E-04	1.19E-05	10
Selenium(1)	1.19E-06	1.36E-07	10
Styrene	0	1.39E-08	10
Sulfuric Acid	0	2.88E-08	10
2,3,7,8-Tetrachlorodibenzofurane	0	0.00E+00	10
Toluene(1)	4.15E-02	0.00	10
1,1,1-Trichloroethane	0	8.55E-11	10
1,2,4-Trimethylbenzene	0	1.29E-08	10
m-Xylene, p-Xylene	0	1.54E-08	10
o-Xylene	0	8.24E-09	10
Zinc	0.001441054353	1.65E-04	10
Isomers of xylene (1)	0.03210009667	.0000797420133	10
2-Methyl Naphthalene	0.000001192596706	0.00	10
3-Methylcholanthrene	0.00000008944475294	00000010195794	10
Dichlorobenzene, mixed isomers	0.00005962983529	00000679719663	10
Dimethylbenz(a)anthracene	0.0000007950644706	00000090629288	10
Ethane	0.1540437412	0.01755942464	10
Molybdenum	0.1043522118	00000623076358	10
n-Butane	0.1043522118	0.01189509411	10
n-Pentane	0.1291979765	0.01472725938	10
PM, condensable	0.4011699971	0.04305639843	10
PM, primary	0.3776556235	0.04304891203	10
PM10, filterable	35.10044099	0.1032323105	100
PM10, primary	0.5687019912	5.97E-02	100
PM2.5, filterable	35.10044099	0.1032323105	100
PM2.5, primary	0.5687019912	5.96E-02	100
Propane	0.07950644706	0.009062928849	10
Vanadium	0.0001142905176	.0000130279602	10
Aldehydes	7.884234269	0.01958575766	10
Polycyclic aromatic hydrocarbons (PAH)	0.01892216224	.0000470058183	10
TSP	0	1.39E-04	10
Total HAPs (2)	1.18E+02	5.67E-01	
Greenhouse Gasses			
Carbon Dioxide	5.96E+03	680.000981	10
Methane	0.1142905176	1.43E-02	10
Total Greenhouse Gasses	5.96E+03	6.80E+02	

Table SS12
Somerset Armory Emission Summary

Pollutant	Emission Summary		NJ State Limits (Tons/Year)
	PTE (Tons/Year)	Actual Emissions (Tons/Year)	
Primary Pollutants			
VOC	4.64E-01	6.62E-03	25
NOx	1.99E+01	4.30E-01	25
SOx	2.43E+00	3.88E-02	100
CO	6.15E+00	1.63E-01	100
PM, Filterable	1.24E+00	2.40E-02	100
HAPs			
PM10	0.00E+00	0.00E+00	100
TOC	1.66E+00	3.73E-02	25
Acenaphthene	5.25E-06	9.90E-08	10
Acenaphthylene	1.86E-05	3.47E-07	10
Acetonitrile	0.00E+00	0.00E+00	10
Acetaldehyde	2.81E-03	5.23E-05	10
Acroleine	3.39E-04	6.31E-06	10
Acrylonitrile	0.00E+00	0.00E+00	10
Aluminum	0.00E+00	0.00E+00	10
Ammonia	2.96E-02	7.59E-04	10
Anthracene	6.92E-06	1.30E-07	10
Antimony	0.00E+00	0.00E+00	10
Arsenic (1)	1.64E-05	2.80E-04	10
Barium	1.34E-04	5.03E-06	10
Benzene(1)	3.53E-03	6.68E-05	10
Benzo(a)anthracene	6.21E-06	1.17E-07	10
Benzo(b)fluoranthene	4.18E-07	8.82E-09	10
Benzo(k)fluotanthene	6.22E-07	1.26E-08	10
Benzo(g,h,i)perylene	1.83E-06	3.47E-08	10
Benzo(a)pyrene	7.25E-07	1.42E-08	10
Benzo(e)pyrene	0.00E+00	0.00E+00	10
1,3-Butadiene(1)	1.43E-04	2.67E-06	10
Beryllium(1)	8.09E-06	2.10E-04	10
Carbon Disulfide	0.00E+00	0.00E+00	10
Cadmium(1)	4.11E-05	2.11E-04	10
Chromium(1)	5.03E-05	2.11E-04	10
Chrysene	1.35E-06	7.88E-08	10
Chloromethane	0.00E+00	0.00E+00	10
Cobalt(1)	2.55E-06	9.60E-08	10
Copper	4.13E-05	4.20E-04	10
Dibenz(a,h)anthracene	2.17E-06	4.12E-08	10
Dichlorodifluoromethane	0.00E+00	0.00E+00	10
1,2-Dichloroethane	0.00E+00	0.00E+00	10
Total dioxin/furan compounds	0.00E+00	0.00E+00	10
Dibenz(a,h)anthracene	0.00E+00	0.00E+00	10
Dichlorodifluoromethane	0.00E+00	0.00E+00	10
1,2-Dichloroethane	0.00E+00	0.00E+00	10
Ethylbenzene	0.00E+00	0.00E+00	10
Ethylene	0.00E+00	0.00E+00	10
Fluoranthene	2.80E-05	5.24E-07	10
Fluorene	1.07E-04	2.00E-06	10
Formaldehyde(1)	7.72E-03	1.81E-04	10
1,2,3,4,7,8-Hexachlorodibenzofuran	0.00E+00	0.00E+00	10
Hexane	0.00E+00	0.00E+00	10
Hydrogen cyanide	0.00E+00	0.00E+00	10
Indeno(1,2,3-cd)pyrene	1.43E-06	2.76E-08	10
Lead(1)	3.84E-05	6.30E-04	10
Manganese(1)	2.70E-05	4.20E-04	10
Mercury Compounds(1)	1.56E-05	2.10E-04	10
Methylene Chloride	0.00E+00	0.00E+00	10
Napthalene(1)	3.29E-04	6.48E-06	10
Nitric Acid	0.00E+00	0.00E+00	10
1,2,3,4,6,7,8,9 - Octachlorodibenzofuran	0.00E+00	0.00E+00	10
1,2,3,7,8-Pentachlorodibenzofurane	0.00E+00	0.00E+00	10
2,3,4,7,8-Pentachlorodibenzofuran	0.00E+00	0.00E+00	10
Phenanthrene	1.08E-04	2.03E-06	10
Propionaldehyde	0.00E+00	0.00E+00	10
Propylene	9.45E-03	1.76E-04	10
Pyrene	1.77E-05	3.32E-07	10
Poly Organic Matter (1)	0.00E+00	0.00E+00	10

Notes:

1. HAP - Hazardous Air Pollutant, AP-42
2. Total HAPs cannot exceed 10 tpy (NJAC 7:27-8.1, "Major Facility" definition).
3. Emission value in shaded blocks exceed State permitted levels and require a permit.
4. PTE is calculated based on all significant and insignificant stationary sources and applicable source operations.
5. Actual emissions are calculated based on all significant and insignificant stationary sources and applicable source operations.
6. Permitted emissions are levels that the facility's actual emissions cannot exceed.
7. Permitted emission limits are a compilation of all general permits PTE issued to this facility.

Propylene (1)	0.00E+00	0.00E+00	10
N-Hexane(1)	5.47E-02	2.06E-03	10
Nickel(1)	7.15E-05	2.12E-04	10
Selenium(1)	3.94E-05	1.05E-03	10
Styrene	0.00E+00	0.00E+00	10
Sulfuric Acid	0.00E+00	0.00E+00	10
2,3,7,8-Tetrachlorodibenzofurane	0.00E+00	0.00E+00	10
Toluene(1)	1.60E-03	3.18E-05	10
1,1,1-Trichloroethane	0.00E+00	0.00E+00	10
1,2,4-Trimethylbenzene	0.00E+00	0.00E+00	10
m-Xylene, p-Xylene	0.00E+00	0.00E+00	10
o-Xylene	0.00E+00	0.00E+00	10
Zinc	8.91E-04	3.41E-05	10
Isomers of xylene (1)	1.04E-03	1.95E-05	10
2-Methyl Naphthalene	7.29E-07	2.74E-08	10
3-Methylcholanthrene	5.47E-08	2.06E-09	10
Dichlorobenzene, mixed isomers	3.65E-05	1.37E-06	10
Dimethylbenz(a)anthracene	4.86E-07	1.83E-08	10
Ethane	9.42E-02	3.54E-03	10
Molybdenum	3.34E-05	1.26E-06	10
n-Butane	6.38E-02	2.40E-03	10
n-Pentane	7.90E-02	2.97E-03	10
PM, condensable	2.07E-01	7.20E-03	10
PM, primary	2.31E-01	8.68E-03	10
PM10, filterable	1.22E+00	2.38E-02	100
PM10, primary	2.66E-01	9.51E-03	100
PM2.5, filterable	1.22E+00	2.38E-02	100
PM2.5, primary	2.66E-01	9.51E-03	100
Propane	4.86E-02	1.83E-03	10
Vanadium	6.99E-05	2.63E-06	10
Polycyclic organic matter (POM)	1.99E-02	2.70E-04	10
Total non-methane organic compounds (TNMOC)	6.25E-03	8.49E-05	10
Aldehydes	2.56E-01	4.78E-03	10
Polycyclic aromatic hydrocarbons (PAH)	6.15E-04	1.15E-05	10
Total HAPs (2)	5.75	0.14	
Greenhouse Gasses			
Carbon Dioxide	4.25E+03	1.48E+02	10
Methane	6.99E-02	2.63E-03	10
Total Greenhouse Gasses	4.25E+03	1.48E+02	

Table TK12 Teaneck Armory Emission Summary			
Pollutant	Emission Summary		NJ State Limits (Tons/Year)
	PTE (Tons/Year)	Actual Emissions (Tons/Year)	
Primary Pollutants			
VOC	1.11E+00	2.29E-02	25
NOx	1.37E+01	4.26E-01	25
SOx	8.05E-02	2.50E-03	100
CO	1.07E+01	3.33E-01	100
PM, Filterable	2.65E-01	8.24E-03	100
HAPs			
PM10	0.00E+00	0.00E+00	100
TOC	0.00E+00	0.00E+00	25
Acenaphthene	2.24E-07	7.00E-09	10
Acenaphthylene	2.24E-07	7.00E-09	10
Acetonitrile	0.00E+00	0.00E+00	10
Acetaldehyde	0.00E+00	0.00E+00	10
Acroleine	0.00E+00	0.00E+00	10
Acrylonitrile	0.00E+00	0.00E+00	10
Aluminum	0.00E+00	0.00E+00	10
Ammonia	6.11E-02	1.91E-03	10
Anthracene	2.99E-07	9.34E-09	10
Antimony	0.00E+00	0.00E+00	10
Arsenic (1)	2.49E-05	7.78E-07	10
Barium	5.49E-04	1.71E-05	10
Benzene(1)	2.62E-04	8.17E-06	10
Benzo(a)anthracene	2.24E-07	7.00E-09	10
Benzo(b)fluoranthene	2.24E-07	7.00E-09	10
Benzo(k)fluotanthene	2.24E-07	7.00E-09	10
Benzo(g,h,i)perylene	1.50E-07	4.67E-09	10
Benzo(a)pyrene	1.50E-07	4.67E-09	10
Benzo(e)pyrene	0.00E+00	0.00E+00	10
1,3-Butadiene(1)	0.00E+00	0.00E+00	10
Beryllium(1)	1.50E-06	4.67E-08	10
Carbon Disulfide	0.00E+00	0.00E+00	10
Cadmium(1)	1.37E-04	4.28E-06	10
Chromium(1)	1.75E-04	5.45E-06	10
Chrysene	2.24E-07	7.00E-09	10
Chloromethane	0.00E+00	0.00E+00	10
Cobalt(1)	1.05E-05	3.27E-07	10
Copper	1.06E-04	3.31E-06	10
Dibenz(a,h)anthracene	1.50E-07	4.67E-09	10
Dichlorodifluoromethane	0.00E+00	0.00E+00	10
1,2-Dichloroethane	0.00E+00	0.00E+00	10
Total dioxin/furan compounds	0.00E+00	0.00E+00	10
Dibenz(a,h)anthracene	0.00E+00	0.00E+00	10
Dichlorodifluoromethane	0.00E+00	0.00E+00	10
1,2-Dichloroethane	0.00E+00	0.00E+00	10
Ethylbenzene	0.00E+00	0.00E+00	10
Ethylene	0.00E+00	0.00E+00	10
Fluoranthene	3.74E-07	1.17E-08	10
Fluorene	3.49E-07	1.09E-08	10
Formaldehyde(1)	9.35E-03	2.92E-04	10
1,2,3,4,7,8-Hexachlorodibenzofuran	0.00E+00	0.00E+00	10
Hexane	0.00E+00	0.00E+00	10
Hydrogen cyanide	0.00E+00	0.00E+00	10
Indeno(1,2,3-cd)pyrene	2.24E-07	7.00E-09	10
Lead(1)	6.24E-05	1.95E-06	10
Manganese(1)	4.74E-05	1.48E-06	10
Mercury Compounds(1)	3.24E-05	1.01E-06	10
Methylene Chloride	0.00E+00	0.00E+00	10
Napthalene(1)	7.61E-05	2.37E-06	10
Nitric Acid	0.00E+00	0.00E+00	10
1,2,3,4,6,7,8,9 - Octachlorodibenzofuran	0.00E+00	0.00E+00	10
1,2,3,7,8-Pentachlorodibenzofurane	0.00E+00	0.00E+00	10

Notes:

1. HAP - Hazardous Air Pollutant, AP-42
2. Total HAPs cannot exceed 10 tpy (NJAC 7:27-8.1, "Major Facility" definition).
3. Emission value in shaded blocks exceed State permitted levels and require a permit.
4. PTE is calculated based on all significant and insignificant stationary sources and applicable source operations.
5. Actual emissions are calculated based on all significant and insignificant stationary sources and applicable source operations.
6. Permitted emissions are levels that the facility's actual emissions cannot exceed.
7. Permitted emission limits are a compilation of all general permits PTE issued to this facility.

2,3,4,7,8-Pentachlorodibenzofuran	0.00E+00	0.00E+00	10
Phenanthrene	2.12E-06	6.62E-08	10
Propionaldehyde	0.00E+00	0.00E+00	10
Propylene	0.00E+00	0.00E+00	10
Pyrene	6.24E-07	1.95E-08	10
Poly Organic Matter (1)	0.00E+00	0.00E+00	10
Propylene (1)	0.00E+00	0.00E+00	10
N-Hexane(1)	2.24E-01	7.00E-03	10
Nickel(1)	2.62E-04	8.17E-06	10
Selenium(1)	2.99E-06	9.34E-08	10
Styrene	0.00E+00	0.00E+00	10
Sulfuric Acid	0.00E+00	0.00E+00	10
2,3,7,8-Tetrachlorodibenzofurane	0.00E+00	0.00E+00	10
Toluene(1)	4.24E-04	1.32E-05	10
1,1,1-Trichloroethane	0.00E+00	0.00E+00	10
1,2,4-Trimethylbenzene	0.00E+00	0.00E+00	10
m-Xylene, p-Xylene	0.00E+00	0.00E+00	10
o-Xylene	0.00E+00	0.00E+00	10
Zinc	3.62E-03	1.13E-04	10
Isomers of xylene (1)	0.00E+00	0.00E+00	10
2-Methyl Naphthalene	2.99E-06	9.34E-08	10
3-Methylcholanthrene	2.24E-07	7.00E-09	10
Dichlorobenzene, mixed isomers	1.50E-04	4.67E-06	10
Dimethylbenz(a)anthracene	2.00E-06	6.23E-08	10
Ethane	3.87E-01	1.21E-02	10
Molybdenum	1.37E-04	4.28E-06	10
n-Butane	2.62E-01	8.17E-03	10
n-Pentane	3.24E-01	1.01E-02	10
PM, condensable	7.65E-01	2.38E-02	10
PM, primary	9.48E-01	2.96E-02	10
PM10, filterable	2.65E-01	8.24E-03	100
PM10, primary	1.03E+00	3.20E-02	100
PM2.5, filterable	2.65E-01	8.24E-03	100
PM2.5, primary	1.03E+00	3.20E-02	100
Propane	2.00E-01	6.23E-03	10
Vanadium	2.87E-04	8.95E-06	10
Total HAPs (2)	0.22	0.01	
Greenhouse Gasses			
Carbon Dioxide	1.50E+04	4.67E+02	10
Methane	2.87E-01	8.95E-03	10
Total Greenhouse Gasses	1.50E+04	4.67E+02	

Table TR12
Toms River Armory Emission Summary

Pollutant	Emission Summary		NJ State Limits (Tons/Year)
	PTE (Tons/Year)	Actual Emissions (Tons/Year)	
Primary Pollutants			
VOC	2.59E-01	1.61E-03	2.50E+01
NOx	1.25E+00	3.01E-02	2.50E+01
SOx	7.43E-03	1.78E-04	1.00E+02
CO	6.01E-01	1.67E-02	1.00E+02
PM, Filterable	3.10E-02	7.08E-04	1.00E+02
HAPs			
PM10	0.00E+00	0.00E+00	1.00E+02
TOC	6.08E-02	1.84E-03	2.50E+01
Acenaphthene	9.95E-09	3.01E-10	1.00E+01
Acenaphthylene	9.95E-09	3.01E-10	1.00E+01
Acetonitrile	0.00E+00	0.00E+00	1.00E+01
Acetaldehyde	0.00E+00	0.00E+00	1.00E+01
Acroleine	0.00E+00	0.00E+00	1.00E+01
Acrylonitrile	0.00E+00	0.00E+00	1.00E+01
Aluminum	0.00E+00	0.00E+00	1.00E+01
Ammonia	2.71E-03	8.21E-05	1.00E+01
Anthracene	1.33E-08	4.02E-10	1.00E+01
Antimony	0.00E+00	0.00E+00	1.00E+01
Arsenic (1)	1.11E-06	3.35E-08	1.00E+01
Barium	2.43E-05	7.37E-07	1.00E+01
Benzene(1)	1.16E-05	3.52E-07	1.00E+01
Benzo(a)anthracene	9.95E-09	3.01E-10	1.00E+01
Benzo(b)fluoranthene	9.95E-09	3.01E-10	1.00E+01
Benzo(k)fluotanthene	9.95E-09	3.01E-10	1.00E+01
Benzo(g,h,i)perylene	6.63E-09	2.01E-10	1.00E+01
Benzo(a)pyrene	6.63E-09	2.01E-10	1.00E+01
Benzo(e)pyrene	0.00E+00	0.00E+00	1.00E+01
1,3-Butadiene(1)	0.00E+00	0.00E+00	1.00E+01
Beryllium(1)	6.63E-08	2.01E-09	1.00E+01
Carbon Disulfide	0.00E+00	0.00E+00	1.00E+01
Cadmium(1)	6.08E-06	1.84E-07	1.00E+01
Chromium(1)	7.74E-06	2.34E-07	1.00E+01
Chrysene	9.95E-09	3.01E-10	1.00E+01
Chloromethane	0.00E+00	0.00E+00	1.00E+01
Cobalt(1)	4.64E-07	1.41E-08	1.00E+01
Copper	4.70E-06	1.42E-07	1.00E+01
Dibenz(a,h)anthracene	6.63E-09	2.01E-10	1.00E+01
Dichlorodifluoromethane	0.00E+00	0.00E+00	1.00E+01
1,2-Dichloroethane	0.00E+00	0.00E+00	1.00E+01
Total dioxin/furan compounds	0.00E+00	0.00E+00	1.00E+01
Dibenz(a,h)anthracene	0.00E+00	0.00E+00	1.00E+01
Dichlorodifluoromethane	0.00E+00	0.00E+00	1.00E+01
1,2-Dichloroethane	0.00E+00	0.00E+00	1.00E+01
Ethylbenzene	0.00E+00	0.00E+00	1.00E+01
Ethylene	0.00E+00	0.00E+00	1.00E+01
Fluoranthene	1.66E-08	5.02E-10	1.00E+01
Fluorene	1.55E-08	4.69E-10	1.00E+01
Formaldehyde(1)	3.37E-06	1.26E-05	1.00E+01
1,2,3,4,7,8-Hexachlorodibenzofuran	0.00E+00	0.00E+00	1.00E+01
Hexane	0.00E+00	0.00E+00	1.00E+01
Hydrogen cyanide	0.00E+00	0.00E+00	1.00E+01
Indeno(1,2,3-cd)pyrene	9.95E-09	3.01E-10	1.00E+01
Lead(1)	2.76E-06	8.37E-08	1.00E+01
Manganese(1)	2.10E-06	6.36E-08	1.00E+01
Mercury Compounds(1)	1.44E-06	4.35E-08	1.00E+01
Methylene Chloride	0.00E+00	0.00E+00	1.00E+01
Napthalene(1)	3.37E-06	1.02E-07	1.00E+01
Nitric Acid	0.00E+00	0.00E+00	1.00E+01
1,2,3,4,6,7,8,9 - Octachlorodibenzofuran	0.00E+00	0.00E+00	1.00E+01
1,2,3,7,8-Pentachlorodibenzofurane	0.00E+00	0.00E+00	1.00E+01
2,3,4,7,8-Pentachlorodibenzofuran	0.00E+00	0.00E+00	1.00E+01
Phenanthrene	9.40E-08	2.85E-09	1.00E+01
Propionaldehyde	0.00E+00	0.00E+00	1.00E+01
Propylene	0.00E+00	0.00E+00	1.00E+01
Pyrene	2.76E-08	8.37E-10	1.00E+01
Poly Organic Matter (1)	0.00E+00	0.00E+00	1.00E+01

Notes:

1. HAP - Hazardous Air Pollutant, AP-42
2. Total HAPs cannot exceed 10 tpy (NJAC 7:27-8.1, "Major Facility" definition).
3. Emission value in shaded blocks exceed State permitted levels and require a permit.
4. PTE is calculated based on all significant and insignificant stationary sources and applicable source operations.
5. Actual emissions are calculated based on all significant and insignificant stationary sources and applicable source operations.
6. Permitted emissions are levels that the facility's actual emissions cannot exceed.
7. Permitted emission limits are a compilation of all general permits PTE issued to this facility.

Propylene (1)	0.00E+00	0.00E+00	1.00E+01
N-Hexane(1)	9.95E-03	3.01E-04	1.00E+01
Nickel(1)	1.16E-05	3.52E-07	1.00E+01
Selenium(1)	1.33E-07	4.02E-09	1.00E+01
Styrene	0.00E+00	0.00E+00	1.00E+01
Sulfuric Acid	0.00E+00	0.00E+00	1.00E+01
2,3,7,8-Tetrachlorodibenzofurane	0.00E+00	0.00E+00	1.00E+01
Toluene(1)	1.88E-05	5.69E-07	1.00E+01
1,1,1-Trichloroethane	0.00E+00	0.00E+00	1.00E+01
1,2,4-Trimethylbenzene	0.00E+00	0.00E+00	1.00E+01
m-Xylene, p-Xylene	0.00E+00	0.00E+00	1.00E+01
o-Xylene	0.00E+00	0.00E+00	1.00E+01
Zinc	1.60E-04	4.86E-06	1.00E+01
Isomers of xylene (1)	0.00E+00	0.00E+00	1.00E+01
2-Methyl Naphthalene	1.33E-07	4.02E-09	1.00E+01
3-Methylcholanthrene	9.95E-09	3.01E-10	1.00E+01
Dichlorobenzene, mixed isomers	6.63E-06	2.01E-07	1.00E+01
Dimethylbenz(a)anthracene	8.84E-08	2.68E-09	1.00E+01
Ethane	1.71E-02	5.19E-04	1.00E+01
Molybdenum	6.08E-06	1.84E-07	1.00E+01
n-Butane	1.16E-02	3.52E-04	1.00E+01
n-Pentane	1.44E-02	4.35E-04	1.00E+01
PM, condensable	7.05E-02	1.69E-03	1.00E+01
PM, primary	4.20E-02	1.27E-03	1.00E+01
PM10, filterable	3.10E-02	7.08E-04	1.00E+02
PM10, primary	1.02E-01	2.40E-03	1.00E+02
PM2.5, filterable	3.10E-02	7.08E-04	1.00E+02
PM2.5, primary	1.02E-01	2.40E-03	1.00E+02
Propane	8.84E-03	2.68E-04	1.00E+01
Vanadium	1.27E-05	3.85E-07	1.00E+01
Total HAPs (2)	0.50	0.01	
Greenhouse Gasses			
Methane	1.27E-02	3.85E-04	1.00E+01
Total Greenhouse Gasses	1.27E-02	3.85E-04	

Table TU12 Tuckerton Armory Emission Summary			
Pollutant	Emission Summary		NJ State Limits (Tons/Year)
	PTE (Tons/Year)	Actual Emissions (Tons/Year)	
Primary Pollutants			
VOC	6.27E-02	7.07E-04	25
NOx	1.17E+00	1.31E-02	25
SOx	6.84E-03	7.71E-05	100
CO	9.58E-01	1.08E-02	100
PM, Filterable	2.17E-02	2.44E-04	100
HAPs			
PM10	0.00E+00	0.00E+00	100
TOC	1.25E-01	1.41E-03	25
Acenaphthene	2.05E-08	2.31E-10	10
Acenaphthylene	2.05E-08	2.31E-10	10
Acetonitrile	0.00E+00	0.00E+00	10
Acetaldehyde	0.00E+00	0.00E+00	10
Acroleine	0.00E+00	0.00E+00	10
Acrylonitrile	0.00E+00	0.00E+00	10
Aluminum	0.00E+00	0.00E+00	10
Ammonia	5.59E-03	6.30E-05	10
Anthracene	2.74E-08	3.08E-10	10
Antimony	0.00E+00	0.00E+00	10
Arsenic (1)	2.28E-06	2.57E-08	10
Barium	5.02E-05	5.65E-07	10
Benzene(1)	2.39E-05	2.70E-07	10
Benzo(a)anthracene	2.05E-08	2.31E-10	10
Benzo(b)fluoranthene	2.05E-08	2.31E-10	10
Benzo(k)fluotanthene	2.05E-08	2.31E-10	10
Benzo(g,h,i)perylene	1.37E-08	1.54E-10	10
Benzo(a)pyrene	1.37E-08	1.54E-10	10
Benzo(e)pyrene	0.00E+00	0.00E+00	10
1,3-Butadiene(1)	0.00E+00	0.00E+00	10
Beryllium(1)	1.37E-07	1.54E-09	10
Carbon Disulfide	0.00E+00	0.00E+00	10
Cadmium(1)	1.25E-05	1.41E-07	10
Chromium(1)	1.60E-05	1.80E-07	10
Chrysene	2.05E-08	2.31E-10	10
Chloromethane	0.00E+00	0.00E+00	10
Cobalt(1)	9.58E-07	1.08E-08	10
Copper	9.69E-06	1.09E-07	10
Dibenz(a,h)anthracene	1.37E-08	1.54E-10	10
Dichlorodifluoromethane	0.00E+00	0.00E+00	10
1,2-Dichloroethane	0.00E+00	0.00E+00	10
Total dioxin/furan compounds	0.00E+00	0.00E+00	10
Dibenz(a,h)anthracene	0.00E+00	0.00E+00	10
Dichlorodifluoromethane	0.00E+00	0.00E+00	10
1,2-Dichloroethane	0.00E+00	0.00E+00	10
Ethylbenzene	0.00E+00	0.00E+00	10
Ethylene	0.00E+00	0.00E+00	10
Fluoranthene	3.42E-08	3.86E-10	10
Fluorene	3.19E-08	3.60E-10	10
Formaldehyde(1)	8.55E-04	9.64E-06	10
1,2,3,4,7,8-Hexachlorodibenzofuran	0.00E+00	0.00E+00	10
Hexane	0.00E+00	0.00E+00	10
Hydrogen cyanide	0.00E+00	0.00E+00	10
Indeno(1,2,3-cd)pyrene	2.05E-08	2.31E-10	10
Lead(1)	5.70E-06	6.43E-08	10
Manganese(1)	4.33E-06	4.88E-08	10
Mercury Compounds(1)	2.96E-06	3.34E-08	10
Methylene Chloride	0.00E+00	0.00E+00	10
Napthalene(1)	6.95E-06	7.84E-08	10

Notes:

1. HAP - Hazardous Air Pollutant, AP-42
2. Total HAPs cannot exceed 10 tpy (NJAC 7:27-8.1, "Major Facility" definition).
3. Emission value in shaded blocks exceed State permitted levels and require a permit.
4. PTE is calculated based on all significant and insignificant stationary sources and applicable source operations.
5. Actual emissions are calculated based on all significant and insignificant stationary sources and applicable source operations.
6. Permitted emissions are levels that the facility's actual emissions cannot exceed.
7. Permitted emission limits are a compilation of all general permits PTE issued to this facility.

Nitric Acid	0.00E+00	0.00E+00	10
1,2,3,4,6,7,8,9 - Octachlorodibenzofuran	0.00E+00	0.00E+00	10
1,2,3,7,8-Pentachlorodibenzofurane	0.00E+00	0.00E+00	10
2,3,4,7,8-Pentachlorodibenzofuran	0.00E+00	0.00E+00	10
Phenanthrene	1.94E-07	2.18E-09	10
Propionaldehyde	0.00E+00	0.00E+00	10
Propylene	0.00E+00	0.00E+00	10
Pyrene	5.70E-08	6.43E-10	10
Poly Organic Matter (1)	0.00E+00	0.00E+00	10
Propylene (1)	0.00E+00	0.00E+00	10
N-Hexane(1)	2.05E-02	2.31E-04	10
Nickel(1)	2.39E-05	2.70E-07	10
Selenium(1)	2.74E-07	3.08E-09	10
Styrene	0.00E+00	0.00E+00	10
Sulfuric Acid	0.00E+00	0.00E+00	10
2,3,7,8-Tetrachlorodibenzofurane	0.00E+00	0.00E+00	10
Toluene(1)	3.88E-05	4.37E-07	10
1,1,1-Trichloroethane	0.00E+00	0.00E+00	10
1,2,4-Trimethylbenzene	0.00E+00	0.00E+00	10
m-Xylene, p-Xylene	0.00E+00	0.00E+00	10
o-Xylene	0.00E+00	0.00E+00	10
Zinc	3.31E-04	3.73E-06	10
Isomers of xylene (1)	0.00E+00	0.00E+00	10
2-Methyl Naphthalene	2.74E-07	3.08E-09	10
3-Methylcholanthrene	2.05E-08	2.31E-10	10
Dichlorobenzene, mixed isomers	1.37E-05	1.54E-07	10
Dimethylbenz(a)anthracene	1.82E-07	2.06E-09	10
Ethane	3.53E-02	3.98E-04	10
Molybdenum	1.10E-09	1.25E-05	10
n-Butane	2.39E-02	2.70E-04	10
n-Pentane	2.96E-02	3.34E-04	10
PM, condensable	6.50E-02	7.32E-04	10
PM, primary	8.66E-02	9.77E-04	10
PM10, filterable	2.17E-02	2.44E-04	100
PM10, primary	8.66E-02	9.77E-04	100
PM2.5, filterable	2.17E-02	2.44E-04	100
PM2.5, primary	8.66E-02	9.77E-04	100
Propane	1.82E-02	2.06E-04	10
Vanadium	2.62E-05	2.96E-07	10
Total HAPs (2)	2.05E-02	2.31E-04	
Greenhouse Gasses			
Carbon Dioxide	1.37E+03	1.54E+01	10
Methane	2.30E-06	2.62E-02	10
Total Greenhouse Gasses	1.37E+03	1.54E+01	

Table VD12
Vineland Armory Emission Summary

Pollutant	Emission Summary		NJ State Limits (Tons/Year)
	PTE (Tons/Year)	Actual Emissions (Tons/Year)	
Primary Pollutants			
Carbon monoxide	1.89E+00	7.16E-02	25
Nitrogen oxides (NOx)	3.08	0.13	25
PM, filterable	0.12	5.71E-03	100
Sulfur dioxide	2.66	1.54E-01	100
Total organic compounds (TOC)	2.39E-01	9.01E-03	100
Volatile organic compounds (VOC)	4.11E-01	4.25E-03	10
HAPs			
Benzene	1.41E-04	7.23E-06	25
Formaldehyde	3.70E-03	1.81E-04	10
Naphthalene	1.22E-05	4.35E-07	10
Toluene	6.78E-05	2.43E-06	10
2-Methyl Naphthalene	4.79E-07	1.71E-08	10
3-Methylcholanthrene	3.59E-08	1.28E-09	10
Acenaphthene	3.59E-08	1.28E-09	10
Acenaphthylene	3.59E-08	1.28E-09	10
Ammonia	3.86E-02	2.02E-03	10
Anthracene	4.79E-08	1.71E-09	10
Arsenic	2.42E-05	2.33E-03	10
Barium	8.77E-05	3.14E-06	10
Benzo (a) anthracene	3.59E-08	1.28E-09	10
Benzo (a) pyrene	2.39E-08	8.56E-10	10
Benzo (b) fluoranthene	3.59E-08	1.28E-09	10
Benzo (g,h,i) perylene	2.39E-08	8.56E-10	10
Benzo (k) fluoranthene	3.59E-08	1.28E-09	10
Beryllium	1.54E-05	1.75E-03	10
Cadmium	3.71E-05	1.75E-03	10
Chromium	4.31E-05	1.75E-03	10
Chrysene	3.59E-08	1.28E-09	10
Cobalt	1.68E-06	5.99E-08	10
Copper	4.73E-05	3.50E-03	10
Dibenzo(a,h) anthracene	2.39E-08	8.56E-10	10
Dichlorobenzene, mixed isomers	2.39E-05	8.56E-07	10
Dimethylbenz(a)anthracene	3.19E-07	1.14E-08	10
Ethane	6.18E-02	2.21E-03	10
Fluoranthene	1.73E-07	8.71E-09	10
Fluorene	5.58E-08	2.00E-09	10
Indeno(1,2,3-cd)pyrene	3.59E-08	1.28E-09	10
Lead	5.54E-05	5.25E-03	5
Manganese	3.79E-05	3.50E-03	10
Mercury	2.03E-05	1.75E-03	10
Methane	5.37E-02	2.09E-03	10
Molybdenum	2.19E-05	7.85E-07	10
n-Butane	4.19E-02	1.50E-03	10
N-Hexane	3.59E-02	1.28E-03	10
Nickel	5.70E-05	1.75E-03	10
N-Pentane	5.18E-02	1.86E-03	10
Phenanthrene	3.39E-07	1.21E-08	10
PM, condensable	1.70E-01	7.13E-03	10
PM, primary	1.52E-01	5.42E-03	10
PM10, filterable	8.20E-02	3.79E-03	10
PM10, primary	2.05E-01	8.21E-03	10
PM2.5, filterable	8.20E-02	3.79E-03	10
PM2.5, primary	2.05E-01	8.21E-03	10
Propane	3.19E-02	1.14E-03	10
Pyrene	9.97E-08	3.57E-09	10
Selenium	7.62E-05	8.75E-03	10
Vanadium	4.59E-05	1.64E-06	10
Zinc	5.99E-04	2.90E-05	10
Polycyclic organic matter (POM)	3.90E-02	2.25E-03	10
Total non-methane organic compounds (TNMOC)	1.23E-02	7.09E-04	10
3-Methylcholanthrene	3.59E-08	1.28E-09	10

Notes:

1. HAP - Hazardous Air Pollutant, AP-42
2. Total HAPs cannot exceed 10 tpy (NJAC 7:27-8.1, "Major Facility" definition).
3. Emission value in shaded blocks exceed State permitted levels and require a permit.
4. PTE is calculated based on all significant and insignificant stationary sources and applicable source operations.
5. Actual emissions are calculated based on all significant and insignificant stationary sources and applicable source operations.
6. Permitted emissions are levels that the facility's actual emissions cannot exceed.
7. Permitted emission limits are a compilation of all general permits PTE issued to this facility.

Molybdenum	2.19E-05	7.85E-07	10
n-Butane	4.19E-02	1.50E-03	10
n-pentane	5.18E-02	1.86E-03	10
Napthalene(1)	1.22E-05	4.35E-07	10
Nitric Acid	0	0	10
1,2,3,4,6,7,8,9 - Octachlorodibenzofuran	0	0	10
1,2,3,7,8-Pentachlorodibenzofurane	0	0	10
2,3,4,7,8-Pentachlorodibenzofuran	0	0	10
Phenanthrene	3.39E-07	1.21E-08	10
PM, condensable	1.70E-01	7.13E-03	10
PM, Primary	1.52E-01	5.42E-03	10
PM10, filterable	8.20E-02	3.79E-03	100
PM10 , Primary	2.05E-01	8.21E-03	100
PM2.5, filterable	8.20E-02	3.79E-03	100
PM2.5, primary	2.05E-01	8.21E-03	100
Total non-methane organic compounds (TNMOC)	1.23E-02	7.09E-04	10
Propionaldehyde	0	0	10
Propane	3.19E-02	1.14E-03	10
Propylene	0.00E+00	0.00E+00	10
Pyrene	9.97E-08	3.57E-09	10
Polycyclic aromatic hydrocarbons (PAH)	0.00E+00	0.00E+00	10
Poly Organic Matter (1)	3.90E-02	2.25E-03	10
Propylene (1)	0	0	10
N-Hexane(1)	3.59E-02	1.28E-03	10
Nickel(1)	5.70E-05	1.75E-03	10
Selenium(1)	7.62E-05	8.75E-03	10
Styrene	0	0	10
Sulfuric Acid	0	0	10
2,3,7,8-Tetrachlorodibenzofurane	0	0	10
Toluene(1)	6.78E-05	2.43E-06	10
1,1,1-Trichloroethane	0	0	10
1,2,4-Trimethylbenzene	0	0	10
m-Xylene, p-Xylene	0	0	10
o-Xylene	0	0	10
Vanadium	0	0	10
Zinc	5.99E-04	2.90E-05	10
Isomers of xylene (1)	0.00E+00	0.00E+00	10
Total HAPs	2.38	0.14	
Greenhouse Gasses			
Carbon dioxide	2.39E+03	8.56E+01	10
Methane	5.37E-02	2.09E-03	100
Sulfur dioxide	2.66	1.54E-01	100
Total Greenhouse Gasses	2.39E+03	8.58E+01	

Table WT12
Washington Armory Emission Summary

Pollutant	Emission Summary		NJ State Limits (Tons/Year)
	PTE (Tons/Year)	Actual Emissions (Tons/Year)	
Primary Pollutants			
CO	4.10E-01	3.27E-02	25
NOx	1.97	0.16	25
PM, Filterable	6.02	4.80E-01	100
SOx	0.41	3.27E-02	100
TOC	1.64E-01	1.31E-02	100
VOC	0.00E+00	0.00E+00	100
HAPs			
Benzene	4.56E-02	3.63E-03	25
Formaldehyde (2)	0.00E+00	0.00E+00	10
Ammonia	0.00E+00	0.00E+00	100
Arsenic (1)	0.00E+00	0.00E+00	10
Beryllium (1)	0.00E+00	0.00E+00	10
Cadmium (1)	0.00E+00	0.00E+00	10
Chromium (1)	0.00E+00	0.00E+00	10
Copper (1)	0.00E+00	0.00E+00	10
Fluoranthene	0.00E+00	0.00E+00	10
Lead (1)	6.55E-02	5.23E-03	10
Manganese (1)	0.00E+00	0.00E+00	10
Mercury (1)	0	0	10
Nickel (1)	0.00E+00	0.00E+00	10
PM, condensable	2.25E-04	1.80E-05	10
PM10, filterable	0.00E+00	0.00E+00	100
PM10, primary	0.00E+00	0.00E+00	100
PM2.5, filterable	0.00E+00	0.00E+00	100
PM2.5, primary	0.00E+00	0.00E+00	100
Polycyclic organic matter (POM)	0.00E+00	0.00E+00	10
Selenium (1)	0.00E+00	0.00E+00	10
Total non-methane organic compounds (TNMOC)	0.00E+00	0.00E+00	10
Zinc (1)	3.44E-05	5.49E-03	10
Total HAPs	0.11	0.01	
Greenhouse Gasses			
Methane	4.59E-05	7.32E-03	10
Total Greenhouse Gasses	4.59E-05	7.32E-03	

Notes:

1. HAP - Hazardous Air Pollutant, AP-42
2. Total HAPs cannot exceed 10 tpy (NJAC 7:27-8.1, "Major Facility" definition).
3. Emission value in shaded blocks exceed State permitted levels and require a permit.
4. PTE is calculated based on all significant and insignificant stationary sources and applicable source operations.
5. Actual emissions are calculated based on all significant and insignificant stationary sources and applicable source operations.
6. Permitted emissions are levels that the facility's actual emissions cannot exceed.
7. Permitted emission limits are a compilation of all general permits PTE issued to this facility.

Table WO12

West Orange Armory Emission Totals

Pollutant	Emission Summary		NJ State Limits (Tons/Year)
	PTE (Tons/Year)	Actual Emissions (Tons/Year)	
Primary Pollutants			
VOC	5.27E-02	1.95E-02	25
NOx	22.60	0.44	25
SOx	1.15	5.63E-03	100
CO	8.08	3.13E-01	100
PM, Filterable	1.30E+00	4.94E+00	100
TOC	1.97E+00	4.44E-02	25
HAPs			
PM10	0.00E+00	0.00E+00	100
Acenaphthene	5.55E-06	2.29E-08	10
Acenaphthylene	1.95E-05	6.52E-08	10
Acetonitrile	0	0	10
Acetaldehyde	2.95E-03	8.91E-06	10
Acroleine	3.55E-04	1.08E-06	10
Acrylonitrile	0	0	10
Aldehydes	2.69E-01	8.14E-04	10
Aluminum	0	0	10
Ammonia	2.55E-02	1.74E-03	100
Anthracene	7.31E-06	3.02E-08	10
Antimony	0	0	10
Arsenic (1)	1.04E-05	7.09E-07	10
Barium	2.29E-04	1.56E-05	10
Benzene(1)	3.69E-03	1.83E-05	10
Benzo(a)anthracene	6.55E-06	2.59E-08	10
Benzo(b)fluoranthene	4.74E-07	7.53E-09	10
Benzo(k)fluotanthene	6.89E-07	8.18E-09	10
Benzo(g,h,i)perylene	1.94E-06	9.94E-09	10
Benzo(a)pyrene	7.84E-07	6.44E-09	10
Benzo(e)pyrene	0.00E+00	0.00E+00	10
1,3-Butadiene(1)	1.50E-04	4.54E-07	10
Beryllium(1)	6.23E-07	4.25E-08	10
Cadmium(1)	5.71E-05	3.90E-06	10
Chromium(1)	1.45E-06	1.05E-08	10
Chrysene	4.36E-06	2.98E-07	10
Chloromethane	0	0	10
Cobalt(1)	4.36E-06	2.98E-07	10
Copper	4.42E-05	3.01E-06	10
Dibenz(a,h)anthracene	2.30E-06	1.10E-08	10
Dichlorobenzene, mixed isomers	6.23E-05	4.25E-06	10
Dichlorodifluoromethane	0	0	10
1,2-Dichloroethane	0	0	10
Total dioxin/furan compounds	0	0	10
Dibenz(a,h)anthracene	0	0	10
Dichlorodifluoromethane	0	0	10
1,2-Dichloroethane	0	0	10
Dimethylbenz(a)anthracene	8.31E-07	5.67E-08	10
Ethane	1.61E-01	1.10E-02	10
Ethylbenzene	0	0	10
Ethylene	0	0	10
Fluoranthene	2.94E-05	9.91E-08	10
Fluorene	1.12E-04	3.49E-07	10
Formaldehyde(1)	8.43E-03	2.79E-04	10
1,2,3,4,7,8-Hexachlorodibenzofuran	0	0	10
Hexane	0	0	10
Hydrogen cyanide	0	0	10
Indeno(1,2,3-cd)pyrene	1.53E-06	1.07E-08	10
Lead(1)	2.60E-05	1.77E-06	10
Manganese(1)	1.97E-05	1.35E-06	10
Mercury Compounds(1)	1.35E-05	9.21E-07	10
Methylene Chloride	0	0	10
2-Methyl Naphthalene	1.25E-06	8.50E-08	10

Notes:

1. HAP - Hazardous Air Pollutant, AP-42
2. Total HAPs cannot exceed 10 tpy (NJAC 7:27-8.1, "Major Facility" definition).
3. Emission value in shaded blocks exceed State permitted levels and require a permit.
4. PTE is calculated based on all significant and insignificant stationary sources and applicable source operations.
5. Actual emissions are calculated based on all significant and insignificant stationary sources and applicable source operations.
6. Permitted emissions are levels that the facility's actual emissions cannot exceed.
7. Permitted emission limits are a compilation of all general permits PTE issued to this facility.

3-Methylcholanthrene	9.35E-08	6.38E-09	10
Molybdenum	5.71E-05	3.90E-06	10
n-Butane	1.09E-01	7.44E-03	10
n-pentane	1.35E-01	9.21E-03	10
Napthalene(1)	3.57E-04	3.15E-06	10
Nitric Acid	0	0	10
1,2,3,4,6,7,8,9 - Octachlorodibenzofuran	0	0	10
1,2,3,7,8-Pentachlorodibenzofurane	0	0	10
2,3,4,7,8-Pentachlorodibenzofuran	0	0	10
Phenanthrene	1.14E-04	4.02E-07	10
PM, condensable	3.16E-01	2.15E-02	10
PM, Primary	3.95E-01	2.69E-02	10
PM10, filterable	1.30E+00	1.10E-02	100
PM10 , Primary	4.25E-01	2.90E-02	100
PM2.5, filterable	1.30E+00	1.10E-02	100
PM2.5, primary	4.25E-01	2.90E-02	100

Total non-methane organic compounds (TNMOC)	0.00E+00	0.00E+00	10
Propionaldehyde	0	0	10
Propane	8.31E-02	5.67E-03	10
Propylene	9.91E-03	3.00E-05	10
Pyrene	1.86E-05	7.33E-08	10
Polycyclic aromatic hydrocarbons (PAH)	6.45E-04	1.95E-06	10
Poly Organic Matter (1)	0.00E+00	0.00E+00	10
Propylene (1)	0	0	10
N-Hexane(1)	9.35E-02	6.38E-03	10
Nickel(1)	1.09E-04	7.44E-06	10
Selenium(1)	1.25E-06	8.50E-08	10
Styrene	0	0	10
Sulfuric Acid	0	0	10
2,3,7,8-Tetrachlorodibenzofurane	0	0	10
Toluene(1)	1.75E-03	1.68E-05	10
1,1,1-Trichloroethane	0	0	10
1,2,4-Trimethylbenzene	0	0	10
m-Xylene, p-Xylene	0	0	10
o-Xylene	0	0	10
Vanadium	1.19E-04	8.15E-06	10
Zinc	1.51E-03	1.03E-04	10
Isomers of xylene (1)	1.09E-03	3.31E-06	10
Total HAPs (2)	5.07	0.17	
Greenhouse Gasses			
Carbon Dioxide	6.87E+03	4.27E+02	10
Methane	1.19E-01	8.15E-03	10
Total Greenhouse Gasses	6.87E+03	4.27E+02	

Table WD12

Westfield Armory Emission Summary

Pollutant	Emission Summary		NJ State Limits (Tons/Year)
	PTE (Tons/Year)	Actual Emissions (Tons/Year)	
Primary Pollutants			
VOC	7.06E-01	4.88E-03	25
NOx	2.78	0.13	25
SOx	4.61	1.06E-01	100
CO	1.36	8.18E-02	100
PM, Filterable	1.49E-01	4.56E-03	100
TOC	1.72E-01	1.06E-02	25
HAPs			
PM10	0.00E+00	0.00E+00	100
Acenaphthene	2.25E-08	1.60E-09	10
Acenaphthylene	2.25E-08	1.60E-09	10
Acetonitrile	0	0	10
Acetaldehyde	0	0	10
Acroleine	0	0	10
Acrylonitrile	0	0	10
Aluminum	0	0	10
Ammonia	5.62E-02	1.59E-03	10
Anthracene	3.00E-08	2.13E-09	10
Antimony	0	0	10
Arsenic (1)	3.75E-05	1.61E-03	10
Barium	5.50E-05	3.91E-06	10
Benzene(1)	1.98E-04	5.82E-06	10
Benzo(a)anthracene	2.25E-08	1.60E-09	10
Benzo(b)fluoranthene	2.25E-08	1.60E-09	10
Benzo(k)fluotanthene	2.25E-08	1.60E-09	10
Benzo(g,h,i)perylene	1.50E-08	1.07E-09	10
Benzo(a)pyrene	0.00E+00	0.00E+00	10
Benzo(e)pyrene	1.50E-08	1.07E-09	10
1,3-Butadiene(1)	0	0	10
Beryllium(1)	2.64E-05	1.21E-03	10
Cadmium(1)	4.00E-05	1.21E-03	10
Chromium(1)	4.38E-05	1.21E-03	10
Chrysene	2.25E-08	1.60E-09	10
Chloromethane	0	0	10
Cobalt(1)	1.05E-06	7.46E-08	10
Copper	6.32E-05	2.42E-03	10
Dibenz(a,h)anthracene	1.50E-08	1.07E-09	10
Dichlorobenzene, mixed isomers	1.50E-05	1.07E-06	10
Dichlorodifluoromethane	0	0	10
1,2-Dichloroethane	0	0	10
Total dioxin/furan compounds	0	0	10
Dibenz(a,h)anthracene	0	0	10
Dichlorodifluoromethane	0	0	10
1,2-Dichloroethane	0	0	10
Dimethylbenz(a)anthracene	2.00E-07	1.42E-08	10
Ethane	0.00E+00	0.00E+00	10
Ethylbenzene	0	0	10
Ethylene	0	0	10
Fluoranthene	2.35E-07	7.19E-09	10
Fluorene	3.50E-08	2.49E-09	10
Formaldehyde(1)	4.75E-03	1.54E-04	10
1,2,3,4,7,8-Hexachlorodibenzofuran	0	0	10
Hexane	0.00E+00	0.00E+00	10
Hydrogen cyanide	0	0	10
Indeno(1,2,3-cd)pyrene	2.25E-08	1.60E-09	10
Lead(1)	8.51E-05	3.63E-03	10
Manganese(1)	5.73E-05	2.42E-03	10
Mercury Compounds(1)	2.95E-05	1.21E-03	10
Methylene Chloride	0	0	10
2-Methyl Naphthalene	3.00E-07	2.13E-08	10
3-Methylcholanthrene	2.25E-08	1.60E-09	10
Molybdenum	1.37E-05	9.77E-07	10

Notes:

1. HAP - Hazardous Air Pollutant, AP-42
2. Total HAPs cannot exceed 10 tpy (NJAC 7:27-8.1, "Major Facility" definition).
3. Emission value in shaded blocks exceed State permitted levels and require a permit.
4. PTE is calculated based on all significant and insignificant stationary sources and applicable source operations.
5. Actual emissions are calculated based on all significant and insignificant stationary sources and applicable source operations.
6. Permitted emissions are levels that the facility's actual emissions cannot exceed.
7. Permitted emission limits are a compilation of all general permits PTE issued to this facility.

n-Butane	2.62E-02	1.86E-03	10
n-pentane	3.25E-02	2.31E-03	10
Napthalene(1)	7.62E-06	5.42E-07	10
Nitric Acid	0	0	10
1,2,3,4,6,7,8,9 - Octachlorodibenzofuran	0	0	10
1,2,3,7,8-Pentachlorodibenzofurane	0	0	10
2,3,4,7,8-Pentachlorodibenzofuran	0	0	10
Phenanthrene	2.12E-07	1.51E-08	10
PM, condensable	1.53E-01	6.93E-03	10
PM, Primary	9.50E-02	6.75E-03	10
PM10, filterable	9.13E-02	3.24E-03	100
PM10 , Primary	1.63E-01	8.30E-03	100
PM2.5, filterable	9.13E-02	3.24E-03	100
PM2.5, primary	1.63E-01	8.30E-03	100

Total non-methane organic compounds (TNMOC)	2.13E-02	4.89E-04	10
Propionaldehyde	0	0	10
Propane	1.63E-01	8.30E-03	10
Propylene	2.00E-02	1.42E-03	10
Pyrene	6.25E-08	4.44E-09	10
Poly Organic Matter (1)	6.76E-02	1.55E-03	10
Propylene (1)	0	0	10
N-Hexane(1)	2.25E-02	1.60E-03	10
Nickel(1)	5.25E-05	1.21E-03	10
Selenium(1)	1.32E-04	6.04E-03	10
Styrene	0	0	10
Sulfuric Acid	0	0	10
2,3,7,8-Tetrachlorodibenzofurane	0	0	10
Toluene(1)	4.25E-05	3.02E-06	10
1,1,1-Trichloroethane	0	0	10
1,2,4-Trimethylbenzene	0	0	10
m-Xylene, p-Xylene	0	0	10
o-Xylene	0	0	10
Vanadium	2.87E-05	2.04E-06	10
Zinc	3.97E-04	3.15E-05	10
Isomers of xylene (1)	0	0	10
Total HAPs (2)	1.17	0.08	
Greenhouse Gasses			
Carbon Dioxide	1.50E+03	1.07E+02	10
Methane	4.23E-02	2.35E-03	10
Total Greenhouse Gasses	1.50E+03	1.07E+02	

Table WE12 Woodbridge Armory Emission Summary			
Pollutant	Emission Summary		NJ State Limits (Tons/Year)
	PTE (Tons/Year)	Actual Emissions (Tons/Year)	
Primary Pollutants			
VOC	9.29E-02	3.09E-03	25
NOx	1.73	0.06	25
SOx	0.01	3.37E-04	100
CO	1.42	4.71E-02	100
PM, Filterable	3.21E-02	1.07E-03	100
TOC	1.86E-01	6.17E-03	25
HAPs			
PM10	0.00E+00	0.00E+00	100
Acenaphthene	3.04E-08	1.01E-09	10
Acenaphthylene	3.04E-08	1.01E-09	10
Acetonitrile	0	0	10
Acetaldehyde	0	0	10
Acroleine	0	0	10
Acrylonitrile	0	0	10
Aluminum	0	0	10
Ammonia	8.28E-03	2.75E-04	100
Anthracene	4.05E-08	1.35E-09	10
Antimony	0	0	10
Arsenic (1)	3.38E-06	1.12E-07	10
Barium	7.43E-05	2.47E-06	10
Benzene(1)	3.55E-05	1.18E-06	10
Benzo(a)anthracene	3.04E-08	1.01E-09	10
Benzo(b)fluoranthene	2.03E-08	6.74E-10	10
Benzo(k)fluotanthene	3.04E-08	1.01E-09	10
Benzo(g,h,i)perylene	2.03E-08	6.74E-10	10
Benzo(a)pyrene	3.04E-08	1.01E-09	10
Benzo(e)pyrene	0	0	10
1,3-Butadiene(1)	0	0	10
Beryllium(1)	2.03E-07	6.74E-09	10
Cadmium(1)	1.86E-05	6.17E-07	10
Chromium(1)	2.37E-05	7.86E-07	10
Chrysene	3.04E-08	1.01E-09	10
Chloromethane	0	0	10
Cobalt(1)	1.42E-06	4.71E-08	10
Copper	1.44E-05	4.77E-07	10
Dibenz(a,h)anthracene	2.03E-08	6.74E-10	10
Dichlorobenzene, mixed isomers	2.03E-05	6.74E-07	10
Dichlorodifluoromethane	0	0	10
1,2-Dichloroethane	0	0	10
Total dioxin/furan compounds	0	0	10
Dibenz(a,h)anthracene	0	0	10
Dichlorodifluoromethane	0	0	10
1,2-Dichloroethane	0	0	10
Dimethylbenz(a)anthracene	2.70E-07	8.98E-09	10
Ethane	5.24E-02	1.74E-03	10
Ethylbenzene	0	0	10
Ethylene	0	0	10
Fluoranthene	5.07E-08	1.68E-09	10
Fluorene	4.73E-08	1.57E-09	10
Formaldehyde(1)	1.27E-03	4.21E-05	10
1,2,3,4,7,8-Hexachlorodibenzofuran	0	0	10
Hexane	3.04E-02	1.01E-03	10
Hydrogen cyanide	0	0	10
Indeno(1,2,3-cd)pyrene	3.04E-08	1.01E-09	10
Lead(1)	8.45E-06	2.81E-07	10
Manganese(1)	6.42E-06	2.13E-07	10
Mercury Compounds(1)	4.39E-06	1.46E-07	10
Methylene Chloride	0	0	10
2-Methyl Naphthalene	4.05E-07	1.35E-08	10
3-Methylcholanthrene	3.04E-08	1.01E-09	10

Notes:

1. HAP - Hazardous Air Pollutant, AP-42
2. Total HAPs cannot exceed 10 tpy (NJAC 7:27-8.1, "Major Facility" definition).
3. Emission value in shaded blocks exceed State permitted levels and require a permit.
4. PTE is calculated based on all significant and insignificant stationary sources and applicable source operations.
5. Actual emissions are calculated based on all significant and insignificant stationary sources and applicable source operations.
6. Permitted emissions are levels that the facility's actual emissions cannot exceed.
7. Permitted emission limits are a compilation of all general permits PTE issued to this facility.

Molybdenum	1.86E-05	6.17E-07	10
n-Butane	3.55E-02	1.18E-03	10
n-pentane	4.39E-02	1.46E-03	10
Napthalene(1)	1.03E-05	3.42E-07	10
Nitric Acid	0	0	10
1,2,3,4,6,7,8,9 - Octachlorodibenzofuran	0	0	10
1,2,3,7,8-Pentachlorodibenzofurane	0	0	10
2,3,4,7,8-Pentachlorodibenzofuran	0	0	10
Phenanthrene	2.87E-07	9.54E-09	10
PM, condensable	9.63E-02	3.20E-03	10
PM, Primary	1.28E-01	4.27E-03	10
PM10, filterable	3.21E-02	1.07E-03	100
PM10 , Primary	1.28E-01	4.27E-03	100
PM2.5, filterable	3.21E-02	1.07E-03	100
PM2.5, primary	1.28E-01	4.27E-03	100
Total non-methane organic compounds (TNMOC)	0.00E+00	0.00E+00	10
Propionaldehyde	0	0	10
Propane	2.70E-02	8.98E-04	10
Propylene	0	0	10
Pyrene	8.45E-08	2.81E-09	10
Poly Organic Matter (1)	0.00E+00	0.00E+00	10
Propylene (1)	0	0	10
N-Hexane(1)	0.00E+00	0	10
Nickel(1)	3.55E-05	1.18E-06	10
Selenium(1)	4.05E-07	1.35E-08	10
Styrene	0	0	10
Sulfuric Acid	0	0	10
2,3,7,8-Tetrachlorodibenzofurane	0	0	10
Toluene(1)	5.74E-05	1.91E-06	10
1,1,1-Trichloroethane	0	0	10
1,2,4-Trimethylbenzene	0	0	10
m-Xylene, p-Xylene	0	0	10
o-Xylene	0	0	10
Vanadium	3.89E-05	1.29E-06	10
Zinc	4.90E-04	1.63E-05	10
Isomers of xylene (1)	0	0	10
Total HAPs (2)	0.74	0.02	
Greenhouse Gasses			
Carbon Dioxide	2.03E+03	6.74E+01	10
Methane	3.89E-02	1.29E-03	10
Total Greenhouse Gasses	2.03E+03	6.74E+01	

Table WY12 Woodbury Armory Emission Summary			
Pollutant	Emission Summary		NJ State Limits (Tons/Year)
	PTE (Tons/Year)	Actual Emissions (Tons/Year)	
Primary Pollutants			
VOC	9.66E-02	2.70E-03	25
NOx	1.26E+00	5.10E-02	25
SOx	7.41E-03	2.99E-04	100
CO	1.04E+00	4.19E-02	100
PM, Filterable	2.35E-02	9.48E-04	100
TOC	0.00E+00	0.00E+00	25
HAPs			
PM10	0.00E+00	0.00E+00	100
Acenaphthene	2.22E-08	8.98E-10	10
Acenaphthylene	2.22E-08	8.98E-10	10
Acetonitrile	0.00E+00	0.00E+00	10
Acetaldehyde	0.00E+00	0.00E+00	10
Acroleine	0.00E+00	0.00E+00	10
Acrylonitrile	0.00E+00	0.00E+00	10
Aluminum	0.00E+00	0.00E+00	10
Ammonia	6.05E-03	2.44E-04	10
Anthracene	2.96E-08	1.20E-09	10
Antimony	0.00E+00	0.00E+00	10
Arsenic (1)	2.47E-06	9.97E-08	10
Barium	5.43E-05	2.19E-06	10
Benzene(1)	2.59E-05	1.05E-06	10
Benzo(a)anthracene	2.22E-08	8.98E-10	10
Benzo(b)fluoranthene	2.22E-08	8.98E-10	10
Benzo(k)fluotanthene	2.22E-08	8.98E-10	10
Benzo(g,h,i)perylene	1.48E-08	5.98E-10	10
Benzo(a)pyrene	1.48E-08	5.98E-10	10
Benzo(e)pyrene	0.00E+00	0.00E+00	10
1,3-Butadiene(1)	0.00E+00	0.00E+00	10
Butane	2.59E-02	1.05E-03	10
Beryllium(1)	1.48E-07	5.98E-09	10
Carbon Disulfide	1.48E+03	5.98E+01	10
Cadmium(1)	1.36E-05	5.49E-07	10
Chromium(1)	1.73E-05	6.98E-07	10
Chrysene	2.22E-08	8.98E-10	10
Chloromethane	0.00E+00	0.00E+00	10
Cobalt(1)	1.04E-06	4.19E-08	10
Copper	1.05E-05	4.24E-07	10
Dichlorobenzene, mixed isomers	1.48E-05	5.98E-07	10
Dimethylbenz(a)anthracene	1.98E-07	7.98E-09	10
Dibenz(a,h)anthracene	1.48E-08	5.98E-10	10
Dichlorodifluoromethane	0.00E+00	0.00E+00	10
1,2-Dichloroethane	0.00E+00	0.00E+00	10
Total dioxin/furan compounds	0.00E+00	0.00E+00	10
Dibenz(a,h)anthracene	0.00E+00	0.00E+00	10
Dichlorodifluoromethane	0.00E+00	0.00E+00	10
1,2-Dichloroethane	0.00E+00	0.00E+00	10
Ethylbenzene	0.00E+00	0.00E+00	10
Ethylene	0.00E+00	0.00E+00	10
Ethane	3.83E-02	1.55E-03	10
Fluoranthene	3.70E-08	1.50E-09	10
Fluorene	3.46E-08	1.40E-09	10
Formaldehyde(1)	9.26E-04	3.74E-05	10
1,2,3,4,7,8-Hexachlorodibenzofuran	0.00E+00	0.00E+00	10
Hexane	0.00E+00	0.00E+00	10
Hydrogen cyanide	0.00E+00	0.00E+00	10
Indeno(1,2,3-cd)pyrene	2.22E-08	8.98E-10	10
Lead(1)	6.17E-06	2.49E-07	10
Manganese(1)	4.69E-06	1.90E-07	10

Notes:

1. HAP - Hazardous Air Pollutant, AP-42
2. Total HAPs cannot exceed 10 tpy (NJAC 7:27-8.1, "Major Facility" definition).
3. Emission value in shaded blocks exceed State permitted levels and require a permit.
4. PTE is calculated based on all significant and insignificant stationary sources and applicable source operations.
5. Actual emissions are calculated based on all significant and insignificant stationary sources and applicable source operations.
6. Permitted emissions are levels that the facility's actual emissions cannot exceed.
7. Permitted emission limits are a compilation of all general permits PTE issued to this facility.

Mercury Compounds(1)	3.21E-06	1.30E-07	10
Methylene Chloride	0.00E+00	0.00E+00	10
2-Methyl Naphthalene	2.96E-07	1.20E-08	10
3-Methylcholanthrene	2.22E-08	8.98E-10	10
Molybdenum	1.36E-05	5.49E-07	10
N-Pentane	3.21E-02	1.30E-03	10
Napthalene(1)	7.53E-06	3.04E-07	10
Nitric Acid	0.00E+00	0.00E+00	10
1,2,3,4,6,7,8,9 - Octachlorodibenzofuran	0.00E+00	0.00E+00	10
1,2,3,7,8-Pentachlorodibenzofurane	0.00E+00	0.00E+00	10
2,3,4,7,8-Pentachlorodibenzofuran	0.00E+00	0.00E+00	10
Phenanthrene	2.10E-07	8.48E-09	10
PM, condensable	7.04E-02	2.84E-03	10
PM, primary	9.38E-02	3.79E-03	10
PM10, filterable	2.35E-02	9.48E-04	100
PM10, primary	9.38E-02	3.79E-03	100
PM2.5, filterable	2.35E-02	9.48E-04	100
PM2.5, primary	9.38E-02	3.79E-03	100
Propane	1.98E-02	7.98E-04	10
Propionaldehyde	0.00E+00	0.00E+00	10
Propylene	0.00E+00	0.00E+00	10
Pyrene	6.17E-08	2.49E-09	10
Poly Organic Matter (1)	0.00E+00	0.00E+00	10
Propylene (1)	0.00E+00	0.00E+00	10
N-Hexane(1)	2.22E-02	8.98E-04	10
Nickel(1)	2.59E-05	1.05E-06	10
Selenium(1)	2.96E-07	1.20E-08	10
Styrene	0.00E+00	0.00E+00	10
Sulfuric Acid	0.00E+00	0.00E+00	10
2,3,7,8-Tetrachlorodibenzofurane	0.00E+00	0.00E+00	10
Toluene(1)	4.20E-05	1.70E-06	10
Total organic compounds (TOC)	1.40E-01	1.00E-02	10
1,1,1-Trichloroethane	0.00E+00	0.00E+00	10
1,2,4-Trimethylbenzene	0.00E+00	0.00E+00	10
m-Xylene, p-Xylene	0.00E+00	0.00E+00	10
o-Xylene	0.00E+00	0.00E+00	10
Zinc	3.58E-04	1.45E-05	10
Isomers of xylene (1)	0.00E+00	0.00E+00	10
Vanadium	2.84E-05	1.15E-06	10
Total HAPs (2)	1,480.68	59.83	
Greenhouse Gasses			
Methane	2.84E-02	1.15E-03	10
Total Greenhouse Gasses	2.84E-02	1.15E-03	

Table WN12 Woodstown Armory Emission Summary			
Pollutant	Emission Summary		NJ State Limits (Tons/Year)
	PTE (Tons/Year)	Actual Emissions (Tons/Year)	
Primary Pollutants			
VOC	9.14E-01	1.34E-04	25
NOx	6.41	0.03	25
SOx	22.40	9.63E-02	100
CO	1.34	6.54E-03	100
PM, Filterable	0.63	0.00	100
TOC	0	0	25
HAPs			
PM10	2.89E-01	1.41E-03	100
Acenaphthene	0	0	10
Acenaphthylene	0	0	10
Acetonitrile	0	0	10
Acetaldehyde	0	0	10
Acroleine	0	0	10
Acrylonitrile	0	0	10
Aluminum	0	0	10
Ammonia	2.45E-01	1.20E-03	10
Anthracene	0	0	10
Antimony	0	0	10
Arsenic (1)	1.50E-04	1.47E-03	10
Barium	0	0	10
Benzene(1)	7.35E-04	3.60E-06	10
Benzo(a)anthracene	0	0	10
Benzo(b)fluoranthene	0	0	10
Benzo(k)fluotanthene	0	0	10
Benzo(g,h,i)perylene	0	0	10
Benzo(a)pyrene	0	0	10
Benzo(e)pyrene	0	0	10
1,3-Butadiene(1)	0	0	10
Beryllium(1)	1.12E-04	1.10E-03	10
Carbon Disulfide	0	0	10
Cadmium(1)	1.12E-04	1.10E-03	10
Chromium(1)	1.12E-04	1.10E-03	10
Chrysene	0	0	10
Chloromethane	0	0	10
Cobalt(1)	0	0	10
Copper	2.24E-04	2.20E-03	10
Dibenz(a,h)anthracene	0	0	10
Dichlorodifluoromethane	0	0	10
1,2-Dichloroethane	0	0	10
Total dioxin/furan compounds	0	0	10
Dibenz(a,h)anthracene	0	0	10
Dichlorodifluoromethane	0	0	10
1,2-Dichloroethane	0	0	10
Ethylbenzene	0	0	10
Ethylene	0	0	10
Fluoranthene	8.42E-07	4.12E-09	10
Fluorene	0	0	10
Formaldehyde(1)	1.63E-02	7.98E-05	10
1,2,3,4,7,8-Hexachlorodibenzofuran	0	0	10
Hexane	0	0	10
Hydrogen cyanide	0	0	10
Indeno(1,2,3-cd)pyrene	0	0	10
Lead(1)	3.37E-04	3.30E-03	10
Manganese(1)	2.24E-04	2.20E-03	10
Mercury Compounds(1)	1.12E-04	1.10E-03	10
Methylene Chloride	0	0	10
Napthalene(1)	0	0	10
Nitric Acid	0	0	10
1,2,3,4,6,7,8,9 - Octachlorodibenzofuran	0	0	10
1,2,3,7,8-Pentachlorodibenzofurane	0	0	10

Notes:

1. HAP - Hazardous Air Pollutant, AP-42
2. Total HAPs cannot exceed 10 tpy (NJAC 7:27-8.1, "Major Facility" definition).
3. Emission value in shaded blocks exceed State permitted levels and require a permit.
4. PTE is calculated based on all significant and insignificant stationary sources and applicable source operations.
5. Actual emissions are calculated based on all significant and insignificant stationary sources and applicable source operations.
6. Permitted emissions are levels that the facility's actual emissions cannot exceed.
7. Permitted emission limits are a compilation of all general permits PTE issued to this facility.

2,3,4,7,8-Pentachlorodibenzofuran	0	0	10
Phenanthrene	0	0	10
PM, condensable	3.98E-01	1.95E-03	10
PM10 , Primary	4.36E-01	2.13E-03	100
PM2.5, filterable	3.13E-01	1.53E-03	100
PM2.5, primary	3.63E-01	1.78E-03	100
Total non-methane organic compounds (TNMOC)	9.08E-02	4.45E-04	10
Propionaldehyde	0	0	10
Propylene	0	0	10
Pyrene	0	0	10
Poly Organic Matter (1)	2.89E-01	1.41E-03	10
Propylene (1)	0	0	10
N-Hexane(1)	0.00E+00	0	10
Nickel(1)	1.12E-04	1.10E-03	10
Selenium(1)	5.61E-04	5.50E-03	10
Styrene	0	0	10
Sulfuric Acid	0	0	10
2,3,7,8-Tetrachlorodibenzofurane	0	0	10
Toluene(1)	0	0	10
1,1,1-Trichloroethane	0	0	10
1,2,4-Trimethylbenzene	0	0	10
m-Xylene, p-Xylene	0	0	10
o-Xylene	0	0	10
Zinc	1.50E-04	5.23E-06	10
Isomers of xylene (1)	0	0	10
Total HAPs (2)	2.44	0.03	
Greenhouse Gasses			
Methane	5.77E-02	2.83E-04	100
Total Greenhouse Gasses	5.77E-02	2.83E-04	