



**New York State Department of Environmental Conservation  
Permit Review Report**

**Permit ID: 3-3336-00022/00055**

**Renewal Number: 2**

**Modification Number: 3 02/02/2016**

**Facility Identification Data**

Name: US ARMY GARRISON

Address: IMNE-MIL-PWE-M|BLDG 667A RUGER RD  
WEST POINT, NY 10996

**Owner/Firm**

Name: U S DEPT OF THE ARMY

Address: THE PENTAGON  
WASHINGTON, DC 20310, USA

Owner Classification: Federal

**Permit Contacts**

Division of Environmental Permits:

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Air Permitting Contact:

Name: ENZO PALAU

Address: US ARMY GARRISON

667 RUGER RD

WEST POINT, NY 10996

Phone:

**Permit Description**

**Introduction**

The Title V operating air permit is intended to be a document containing only enforceable terms and conditions as well as any additional information, such as the identification of emission units, emission points, emission sources and processes, that makes the terms meaningful. 40 CFR Part 70.7(a)(5) requires that each Title V permit have an accompanying "...statement that sets forth the legal and factual basis for the draft permit conditions". The purpose for this permit review report is to satisfy the above requirement by providing pertinent details regarding the permit/application data and permit conditions in a more easily understandable format. This report will also include background narrative and explanations of regulatory decisions made by the reviewer. It should be emphasized that this permit review report, while based on information contained in the permit, is a separate document and is not itself an enforceable term and condition of the permit.

**Summary Description of Proposed Project**

Two emergency generators will be installed at Keller Hospital. A run time limit of 250 hours per year on each generator is requested, in order to avoid being defined as a significant project under Part 231. This limit equates to 1.74 tons per year of NOx, which is below the significant project threshold.



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**Attainment Status**

US ARMY GARRISON is located in the town of HIGHLANDS in the county of ORANGE. The attainment status for this location is provided below. (Areas classified as attainment are those that meet all ambient air quality standards for a designated criteria air pollutant.)

Criteria Pollutant	Attainment Status
Particulate Matter (PM)	ATTAINMENT
Particulate Matter < 10µ in diameter (PM10)	ATTAINMENT
Sulfur Dioxide (SO2)	ATTAINMENT
Ozone*	SEVERE NON-ATTAINMENT
Oxides of Nitrogen (NOx)**	ATTAINMENT
Carbon Monoxide (CO)	ATTAINMENT

\* Ozone is regulated in terms of the emissions of volatile organic compounds (VOC) and/or oxides of nitrogen (NOx) which are ozone precursors.

\*\* NOx has a separate ambient air quality standard in addition to being an ozone precursor.

**Facility Description:**

The facility is an educational institution and an active army installation.

**Permit Structure and Description of Operations**

The Title V permit for US ARMY GARRISON

is structured in terms of the following hierarchy: facility, emission unit, emission point, emission source and process. A facility is defined as all emission sources located at one or more adjacent or contiguous properties owned or operated by the same person or persons under common control. The facility is subdivided into one or more emission units (EU). Emission units are defined as any part or activity of a stationary facility that emits or has the potential to emit any federal or state regulated air pollutant. An emission unit is represented as a grouping of processes (defined as any activity involving one or more emission sources (ES) that emits or has the potential to emit any federal or state regulated air pollutant). An emission source is defined as any apparatus, contrivance or machine capable of causing emissions of any air contaminant to the outdoor atmosphere, including any appurtenant exhaust system or air cleaning device. [NOTE: Indirect sources of air contamination as defined in 6 NYCRR Part 203 (i.e. parking lots) are excluded from this definition]. The applicant is required to identify the principal piece of equipment (i.e., emission source) that directly results in or controls the emission of federal or state regulated air pollutants from an activity (i.e., process). Emission sources are categorized by the following types:

- combustion - devices which burn fuel to generate heat, steam or power
- incinerator - devices which burn waste material for disposal
- control - emission control devices
- process - any device or contrivance which may emit air contaminants that is not included in the above categories.

US ARMY GARRISON is defined by the following emission unit(s):



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Emission unit U950LF - Landfill gas collection and flare system located at the former Transportation Motor Pool site off Washington gate. The gas control system is designed to extract landfill gas from pipes and valves embedded in the landfill cap cover soil. Gas will be actively removed from the landfill through extraction wells and directed to a flare using a blower (vacuum) device. The flare is solar powered and will ignite if there is a sufficient amount of landfill gas. Otherwise, the landfill gas is vented directly to the atmosphere.

Emission unit U950LF is associated with the following emission points (EP):

STK23

Process: 044 Landfill gas from the former Transportation Motor Pool site is collected, and is sent to a flare to be burned or is vented directly to the atmosphere.

Emission unit UKELL1 - Two emergency generators at Keller Hospital are rated at 563 KW each.

Emission unit UKELL1 is associated with the following emission points (EP):

KELL1

Process: 051 is located at Building 900D - Combustion of diesel fuel in the emergency generators at the Keller Hospital.

Emission unit U604GN - This emission unit has been converted for use as an emergency generator only at the Central Power Plant. This generator will provide emergency power for the Central Power Plant (Building 604) and the headquarters (Building 600) during a disruption in electric utility service. The generator will be used up to 500 hours per year. The generator is a Caterpillar Model 3512B rated at 1230 kilowatts and will burn diesel fuel only. The manufacturer performance guarantee for NO<sub>x</sub> is 29.35 pounds per hour during operation of the generator.

Emission unit U604GN is associated with the following emission points (EP):

STK01

Process: 001 is located at OUTDOOR, Building 604 - Combustion of diesel fuel during the operation of the emergency generator.

Emission unit U845BL - This unit consists of two boilers at the Laundry Plant. Each boiler was previously rated at 55.85 MMBTU/hr when burning fuel oil and 58.1 MMBTU/hr when burning natural gas. In 2002 the boilers were de-rated to 48.4 MMBTU/hr. In 2010 6NYCRR Subpart 227-2 was revised, and these boilers are now defined as mid-sized rather than small, but will retain their de-rated configuration. The boilers are used to provide heat and hot water to the Laundry Plant in Building 845, and supply steam to Buildings 719, 759, 781, 793, 845, 817, USMA prep school, and other buildings in the north section of the post. Natural gas is the primary fuel and number 2 fuel oil is the backup.



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Emission unit U845BL is associated with the following emission points (EP):  
STK03, STK04

Process: 004 is located at MAIN, Building 845 - Natural gas combustion from the operation of two commercial boilers at the Laundry Boiler Plant.

Process: 005 is located at MAIN, Building 845 - No. 2 fuel oil combustion from the operation of two commercial boilers at the Laundry Boiler Plant.

Emission unit U604BL - This emission unit consists of 3 boilers located in the Central Power Plant. The Central Power Plant generates steam to provide heat to a number of buildings located in the central post area of West Point and also to provide electric power as necessary for use in indoor and outdoor areas throughout the post. The boilers at this location discharge through a single combined stack. Boiler #1 was replaced and became operational in January 2003. Boiler #2 was replaced and became operational in January 2005. Both of these boilers have a maximum rated heat input of 155.6 MMBTU/hr. Boilers #1 and #2 run on natural gas or no. 2 fuel oil as a backup. The two boilers are equipped with low NOx burners (COEN model #7755 dual delta NOx 24 burners). Boiler #3 is also equipped with a low NOx burner, and burns either natural gas (rated heat input capacity of 92.13 MMBTU/hr) or no. 2 fuel oil (rated heat input capacity of 97.13 MMBTU/hr) as a backup.

Emission unit U604BL is associated with the following emission points (EP):  
STK02

Process: 003 is located at 1ST FLOOR, Building 604 - Natural gas combustion associated with the operation of Boilers #1, #2, and #3 at the Central Power Plant.

Process: 006 is located at 1ST FLOOR, Building 604 - Combustion of no.2 fuel oil associated with Boilers #1, #2, and #3 at the Central Power Plant. No. 2 fuel oil is used only during testing and during a gas supply emergency.

Emission unit U1940P - This emission unit consists of a large, garage-type spray paint booth that has two exhaust stacks. The paint booth is used to paint sections of cars, whole cars, army tactical vehicles, trucks, and buses.

Emission unit U1940P is associated with the following emission points (EP):  
STK21, STK22

Process: 009 Spray painting of motor vehicles and motor vehicle parts in the spray booth at the Transportation Motor Pool by Area V.



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Emission unit U907GN - A diesel-fired emergency generator located at the Secondary Refueling Station is used for emergency power.

Process: 047 The combustion of diesel oil in the generator used for emergency power backup at the Secondary Refueling Station.

Emission unit U1900C - An emergency generator used for backup electric power at the US Military Academy Prep School.

Process: 049 The combustion of natural gas used in the emergency generator for backup electric power at the US Military Academy Prep School.

Emission unit U293CS - The Transportation Motor Pool consists of five propane boilers to heat various buildings and five diesel generators for emergency power. The Motor Pool was relocated in 2010 to an area off of Route 293.

Process: 045 The combustion of propane in the boilers used for heating the buildings located at the Transportation Motor Pool along Route 293.

Process: 046 The combustion of diesel oil in the generators used for emergency power backup at the Transportation Motor Pool.

Emission unit U847SC - This emission unit consists of two emergency generators. One generator is located at the South Dock and the other is located at Spellman Hall. NOx emissions from the generators are limited in order to avoid New Source Review requirements.

Emission unit U847SC is associated with the following emission points (EP):  
2101G, 847GN

Process: 041 The combustion of diesel fuel in the emergency generators located at the South Dock and Spellman Hall.

Emission unit U757GN - An emergency generator located at the Science Center.

Emission unit U757GN is associated with the following emission points (EP):  
STK24



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Process: 050 The combustion of diesel oil in the generator used for emergency power at the Science Center.

Emission unit U907GS - Secondary Refueling Station provides fuel to army vehicles on post. Two tanks which contain diesel and e-85 (ethanol) are not regulated. One 10,000 gallon tank of gasoline is equipped with stage I submerged loading using dedicated vapor balance and stage II vapor recovery system at the pump.

Emission unit U907GS is associated with the following emission points (EP):

STK19

Process: 043 is located at Building 912 - The loading and storage of gasoline in one 10,000 gallon underground storage tank and the refueling of motor vehicles from the dispensing pumps.

Emission unit U1940G - Gasoline is dispensed to motor vehicles at the new Transportation Motor Pool. Equipment used includes one dispensing pump and one 10,000 gallon storage tank. Vapors are controlled by stage I submerged loading with dedicated vapor balance and stage II vapor recovery systems at the pumps.

Emission unit U1940G is associated with the following emission points (EP):

STK20

Process: 020 The loading and storage of gasoline in one 10,000 gallon underground storage tank and the fueling of motor vehicles from the dispensing pumps.

Emission unit U1720G - One gasoline dispensing pump and one 3,000 gallon above ground storage tank equipped with stage I, submerged loaded using a dedicated vapor balance system and stage II vapor control system. This tank dispenses gasoline during the summer training activities at Camp Natural Bridge Maintenance Facility (Building 1720). This is a seasonally operated gas station. The fuel is transported by vac truck from the underground storage tanks at the Transportation Motor Pool to this tank or by direct delivery from the supplier. All piping connections (vent, fill) are located at the top of the tank.

Emission unit U1720G is associated with the following emission points (EP):

STK16

Process: 024 is located at CAMP NATURAL BRIDGE, Building 1720 - The loading of and storage of gasoline in one 3,000 gallon aboveground storage tank and the fueling of motor vehicles from the dispensing pumps.

Emission unit U685SV - This emission unit consists of a non-hap solvent process used to clean band instrument parts. The process is batch cold cleaning and is performed in an immersion tank. A non-gasketed lid is used to reduce VOC emissions.



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Emission unit U685SV is associated with the following emission points (EP):  
STK12

Process: 014 is located at BASEMENT, Building 685 - An immersion tank with a dibasic ester solvent is used to clean band instrument parts. A non-gasketed cover is used as an emission reduction method.

Emission unit U700SC - Four small boilers and three emergency generators are grouped together as one emission unit. These combustion sources are subject to 6NYCRR Part 231 New Source Review requirements, because they were constructed during a contemporaneous period with the peak shaving generator (which has NOx emissions capped at 24.0 tons per year).

Emission unit U700SC is associated with the following emission points (EP):  
700GN, 700PT, 701GN, 701PT, 727GN, CCSPT

Process: 037 The combustion of no. 2 fuel oil in the boiler in the Cadet Crew & Sailing Center.

Process: 039 The combustion of diesel fuel in the emergency generators located in Kimsey Athletic Center, the Arvin Cadet Physical Development Center, and the Press Box.

Process: 040 The combustion of natural gas in the boilers in the Kimsey Athletic Center and the Press Box.

Emission unit U714BL - This emission unit consists of 2 new identical boilers each rated at 12.3 million BTU per hour. These boilers are used to provide heat to the Holleder Center, an athletic facility. Both boilers exhaust to a common stack. Normally, one boiler is on line and the other is operating in standby mode.

Emission unit U714BL is associated with the following emission points (EP):  
STK05

Process: 008 is located at 1ST FLOOR, ROOM 156, Building 714 - Combustion of no. 2 fuel oil in the two Holleder Center boilers.

Process: 042 The combustion of natural gas in the two boilers at the Holleder Center.

Emission unit U845P3 - Four multimatic Hercules commercial fourth generation perchloroethylene dry cleaning machines.

Process: 011 is located at MAIN FLOOR, Building 845 - The use of perchloroethylene in the operation of four fourth generation drycleaning machines in a stand-alone facility. The design capacity of each machine is 150 pounds per load. Perchloroethylene emissions from each machine are controlled by a



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built in refrigerated condenser and carbon adsorber.

Emission unit U1227G - Two above ground storage tanks (500 gallon gasoline and 500 gallon diesel) are used to refuel golf carts and various grounds maintenance equipment. The 500 gallon gasoline tank is equipped with stage I dedicated vapor balance and stage II vapor recovery systems at the pump.

Emission unit U1227G is associated with the following emission points (EP):

STK18

Process: 028 Filling and storing gasoline in a 500 gallon aboveground storage tank and refueling of golf carts and grounds maintenance equipment.

Emission unit U1202G - This emission unit consists of a gasoline dispensing station and three 12,000 gallon gasoline underground storage tanks with stage I, submerged loading using a dedicated vapor balance system, and stage II vapor control on the dispensing pumps at the Army Air Force Exchange Service Station located at Building 1202.

Emission unit U1202G is associated with the following emission points (EP):

STK13

Process: 016 is located at ARMY/AIR FORCE EXCHA, Building 1202 - The filling of and storage of gasoline in three underground storage tanks and the fueling of motor vehicles from the dispensing pumps.

**Title V/Major Source Status**

US ARMY GARRISON is subject to Title V requirements. This determination is based on the following information:

Emissions of carbon monoxide, nitrogen oxides, sulfur dioxide, and volatile organic compounds from the facility are above major source thresholds, as defined by the federal Clean Air Act and 6 NYCRR Part 201.

**Program Applicability**

The following chart summarizes the applicability of US ARMY GARRISON with regards to the principal air pollution regulatory programs:

Regulatory Program	Applicability
PSD	NO
NSR (non-attainment)	NO
NESHAP (40 CFR Part 61)	NO
NESHAP (MACT - 40 CFR Part 63)	YES



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NSPS	YES
TITLE IV	NO
TITLE V	YES
TITLE VI	NO
RACT	YES
SIP	YES

NOTES:

**PSD** Prevention of Significant Deterioration (40 CFR 52, 6 NYCRR 231-7, 231-8) - requirements which pertain to major stationary sources located in areas which are in attainment of National Ambient Air Quality Standards (NAAQS) for specified pollutants.

**NSR** New Source Review (6 NYCRR 231-5, 231-6) - requirements which pertain to major stationary sources located in areas which are in non-attainment of National Ambient Air Quality Standards (NAAQS) for specified pollutants.

**NESHAP** National Emission Standards for Hazardous Air Pollutants (40 CFR 61, 6 NYCRR 200.10) - contaminant and source specific emission standards established prior to the Clean Air Act Amendments of 1990 (CAAA) which were developed for 9 air contaminants (inorganic arsenic, radon, benzene, vinyl chloride, asbestos, mercury, beryllium, radionuclides, and volatile HAP's).

**MACT** Maximum Achievable Control Technology (40 CFR 63, 6 NYCRR 200.10) - contaminant and source specific emission standards established by the 1990 CAAA. Under Section 112 of the CAAA, the US EPA is required to develop and promulgate emissions standards for new and existing sources. The standards are to be based on the best demonstrated control technology and practices in the regulated industry, otherwise known as MACT. The corresponding regulations apply to specific source types and contaminants.

**NSPS** New Source Performance Standards (40 CFR 60, 6 NYCRR 200.10) - standards of performance for specific stationary source categories developed by the US EPA under Section 111 of the CAAA. The standards apply only to those stationary sources which have been constructed or modified after the regulations have been proposed by publication in the Federal Register and only to the specific contaminant(s) listed in the regulation.

**Title IV Acid Rain Control Program** (40 CFR 72 thru 78, 6 NYCRR 201-6) - regulations which mandate the implementation of the acid rain control program for large stationary combustion facilities.

**Title VI Stratospheric Ozone Protection** (40 CFR 82, Subpart A thru G, 6 NYCRR 200.10) - federal requirements that apply to sources which use a minimum quantity of CFC's (chlorofluorocarbons), HCFC's (hydrofluorocarbons) or other ozone depleting substances or regulated substitute substances in equipment such as air conditioners, refrigeration equipment or motor vehicle air conditioners or appliances.

**RACT** Reasonably Available Control Technology (6 NYCRR Parts 212.10, 226, 227-2, 228, 229, 230, 232, 233, 234, 235, 236) - the lowest emission limit that a specific source is capable of meeting by application of control technology that is reasonably available, considering technological and economic feasibility. RACT is a control strategy used to limit emissions of VOC's and NOx for the purpose of attaining the air quality standard for ozone. The term as it is used in the above table refers to those state



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air pollution control regulations which specifically regulate VOC and NOx emissions.

SIP State Implementation Plan (40 CFR 52, Subpart HH, 6 NYCRR 200.10) - as per the CAAA, all states are empowered and required to devise the specific combination of controls that, when implemented, will bring about attainment of ambient air quality standards established by the federal government and the individual state. This specific combination of measures is referred to as the SIP. The term here refers to those state regulations that are approved to be included in the SIP and thus are considered federally enforceable.

**Compliance Status**

Facility is in compliance with all requirements.

**SIC Codes**

SIC or Standard Industrial Classification code is an industrial code developed by the federal Office of Management and Budget for use, among other things, in the classification of establishments by the type of activity in which they are engaged. Each operating establishment is assigned an industry code on the basis of its primary activity, which is determined by its principal product or group of products produced or distributed, or services rendered. Larger facilities typically have more than one SIC code.

**SIC Code**

**Description**

8221

COLLEGES AND UNIVERSITIES, NEC

**SCC Codes**

SCC or Source Classification Code is a code developed and used" by the USEPA to categorize processes which result in air emissions for the purpose of assessing emission factor information.Each SCC represents a unique process or function within a source category logically associated with a point of air pollution emissions. Any operation that causes air pollution can be represented by one or more SCC's.

**SCC Code**

**Description**

1-01-006-02

EXTERNAL COMBUSTION BOILERS - ELECTRIC GENERATION

1-03-005-01

ELECTRIC UTILITY BOILER - NATURAL GAS Boilers < 100 MBtu/Hr except Tangential EXTERNAL COMBUSTION BOILERS - COMMERCIAL/INDUSTRIAL COMMERCIAL/INSTITUTIONAL BOILER - DISTILLATE OIL

1-03-005-02

Grades 1 and 2 Oil EXTERNAL COMBUSTION BOILERS - COMMERCIAL/INDUSTRIAL COMMERCIAL/INSTITUTIONAL BOILER - DISTILLATE OIL

1-03-006-02

10-100MMBTU/HR \*\* EXTERNAL COMBUSTION BOILERS - COMMERCIAL/INDUSTRIAL COMMERCIAL/INSTITUTIONAL BOILER - NATURAL GAS

1-03-006-03

10-100 MMBtu/Hr EXTERNAL COMBUSTION BOILERS - COMMERCIAL/INDUSTRIAL COMMERCIAL/INSTITUTIONAL BOILER - NATURAL



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1-03-010-02	GAS Less Than 10 MMBtu/Hr EXTERNAL COMBUSTION BOILERS - COMMERCIAL/INDUSTRIAL COMMERCIAL/INSTITUTIONAL BOILER - LIQUEFIED PETROLEUM GAS (LPG)
2-01-001-07	Propane INTERNAL COMBUSTION ENGINES - ELECTRIC GENERATION ELECTRIC UTILITY INTERNAL COMBUSTION ENGINE - DISTILLATE OIL (DIESEL)
2-02-004-01	RECIPROCATING: EXHAUST INTERNAL COMBUSTION ENGINES - INDUSTRIAL INDUSTRIAL INTERNAL COMBUSTION LARGE BORE ENGINE
2-03-001-02	Diesel INTERNAL COMBUSTION ENGINES - COMMERCIAL/INSTITUTIONAL COMMERCIAL/INSTITUTIONAL IC ENGINE - DISTILLATE OIL (DIESEL)
2-03-002-01	Turbine INTERNAL COMBUSTION ENGINES - COMMERCIAL/INSTITUTIONAL COMMERCIAL/INSTITUTIONAL IC ENGINE - NATURAL GAS
4-01-001-13	Reciprocating PETROLEUM AND SOLVENT EVAPORATION ORGANIC SOLVENT EVAPORATION - DRY CLEANING DRY CLEANING - PERCHLOROETHYLENE
4-01-002-95	ORGANIC SOLVENT EVAPORATION ORGANIC SOLVENT EVAPORATION - DEGREASING OTHER NOT CLASSIFIED - GENERAL DEGREASING UNITS
4-02-999-95	SURFACE COATING OPERATIONS SURFACE COATING OPERATIONS - MISCELLANEOUS Specify in Comments Field
4-06-003-01	TRANSPORTATION AND MARKETING OF PETROLEUM PRODUCTS GASOLINE RETAIL OPERATIONS - STAGE I Splash Filling
4-06-003-06	TRANSPORTATION AND MARKETING OF PETROLEUM PRODUCTS GASOLINE RETAIL OPERATIONS - STAGE I Balanced Submerged Filling
5-01-004-10	SOLID WASTE DISPOSAL - GOVERNMENT SOLID WASTE DISPOSAL: GOVERNMENT - LANDFILL DUMP WASTE GAS DESTRUCTION: WASTE GAS FLARES

### Facility Emissions Summary

In the following table, the CAS No. or Chemical Abstract Service code is an identifier assigned to every chemical compound. [NOTE: Certain CAS No.'s contain a 'NY' designation within them. These are not true CAS No.'s but rather an identification which has been developed by the department to identify groups of contaminants which ordinary CAS No.'s do not do. As an example, volatile organic compounds or VOC's are identified collectively by the NY CAS No. 0NY998-00-0.] The PTE refers to the Potential to Emit. This is defined as the maximum capacity of a facility or air contaminant source to emit any air contaminant under its physical and operational design. Any physical or operational limitation on the capacity of the facility or air contamination source to emit any air contaminant, including air pollution control equipment and/or restrictions on the hours of operation, or on the type or amount or material combusted, stored, or processed, shall be treated as part of the design only if the limitation is contained in



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federally enforceable permit conditions. The PTE Range represents an emission range for a contaminant. Any PTE quantity that is displayed represents a facility-wide emission cap or limitation for that contaminant. If no PTE quantity is displayed, the PTE Range is provided to indicate the approximate magnitude of facility-wide emissions for the specified contaminant in terms of tons per year (tpy). The term 'HAP' refers to any of the hazardous air pollutants listed in section 112(b) of the Clean Air Act Amendments of 1990. Total emissions of all hazardous air pollutants are listed under the special NY CAS No. 0NY100-00-0. In addition, each individual hazardous air pollutant is also listed under its own specific CAS No. and is identified in the list below by the (HAP) designation.

Cas No.	Contaminant Name	PTE	
		lbs/yr	Range
000630-08-0	CARBON MONOXIDE		>= 100 tpy but < 250 tpy
007439-92-1	LEAD		> 0 but < 10 tpy
0NY210-00-0	OXIDES OF NITROGEN		>= 250 tpy but < 75,000 tpy
0NY075-00-0	PARTICULATES		>= 50 tpy but < 100 tpy
000127-18-4	PERCHLOROETHYLENE	14777	
0NY075-00-5	PM-10		>= 25 tpy but < 40 tpy
007446-09-5	SULFUR DIOXIDE		>= 250 tpy but < 75,000 tpy
0NY100-00-0	TOTAL HAP		>= 2.5 tpy but < 10 tpy
0NY998-00-0	VOC		>= 25 tpy but < 40 tpy

**NOTIFICATION OF GENERAL PERMITTEE OBLIGATIONS**

**Item A: Emergency Defense - 6 NYCRR 201-1.5**

An emergency, as defined by subpart 201-2, constitutes an affirmative defense to penalties sought in an enforcement action brought by the Department for noncompliance with emissions limitations or permit conditions for all facilities in New York State.

- (a) The affirmative defense of emergency shall be demonstrated through properly signed, contemporaneous operating logs, or other relevant evidence that:
  - (1) An emergency occurred and that the facility owner or operator can identify the cause(s) of the emergency;
  - (2) The equipment at the permitted facility causing the emergency was at the time being properly operated and maintained;
  - (3) During the period of the emergency the facility owner or operator took all reasonable steps to minimize levels of emissions that exceeded the emission standards, or other requirements in the permit; and
  - (4) The facility owner or operator notified the Department within two working days after the event occurred. This notice must contain a description of the emergency, any steps taken to mitigate emissions, and corrective actions taken.



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(b) In any enforcement proceeding, the facility owner or operator seeking to establish the occurrence of an emergency has the burden of proof.

(c) This provision is in addition to any emergency or upset provision contained in any applicable requirement.

**Item B: Public Access to Recordkeeping for Title V Facilities - 6 NYCRR 201-1.10(b)**

The Department will make available to the public any permit application, compliance plan, permit, and monitoring and compliance certification report pursuant to Section 503(e) of the Act, except for information entitled to confidential treatment pursuant to 6 NYCRR Part 616 - Public Access to records and Section 114(c) of the Act.

**Item C: Timely Application for the Renewal of Title V Permits -6 NYCRR Part 201-6.2(a)(4)**

Owners and/or operators of facilities having an issued Title V permit shall submit a complete application at least 180 days, but not more than eighteen months, prior to the date of permit expiration for permit renewal purposes.

**Item D: Certification by a Responsible Official - 6 NYCRR Part 201-6.2(d)(12)**

Any application, form, report or compliance certification required to be submitted pursuant to the federally enforceable portions of this permit shall contain a certification of truth, accuracy and completeness by a responsible official. This certification shall state that based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete.

**Item E: Requirement to Comply With All Conditions - 6 NYCRR Part 201-6.4(a)(2)**

The permittee must comply with all conditions of the Title V facility permit. Any permit non-compliance constitutes a violation of the Act and is grounds for enforcement action; for permit termination, revocation and reissuance, or modification; or for denial of a permit renewal application.

**Item F: Permit Revocation, Modification, Reopening, Reissuance or Termination, and Associated Information Submission Requirements - 6 NYCRR Part 201-6.4(a)(3)**

This permit may be modified, revoked, reopened and reissued, or terminated for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any permit condition.

**Item G: Cessation or Reduction of Permitted Activity Not a Defense - 6 NYCRR 201-6.4(a)(5)**

It shall not be a defense for a permittee in an enforcement action to claim that a cessation or reduction in the permitted activity would have been necessary in order to maintain compliance with the conditions of this permit.

**Item H: Property Rights - 6 NYCRR 201-6.4(a)(6)**

This permit does not convey any property rights of any sort or any exclusive privilege.

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**Item I: Severability - 6 NYCRR Part 201-6.4(a)(9)**

If any provisions, parts or conditions of this permit are found to be invalid or are the subject of a challenge, the remainder of this permit shall continue to be valid.

**Item J: Permit Shield - 6 NYCRR Part 201-6.4(g)**

All permittees granted a Title V facility permit shall be covered under the protection of a permit shield, except as provided under 6 NYCRR Subpart 201-6. Compliance with the conditions of the permit shall be deemed compliance with any applicable requirements as of the date of permit issuance, provided that such applicable requirements are included and are specifically identified in the permit, or the Department, in acting on the permit application or revision, determines in writing that other requirements specifically identified are not applicable to the major stationary source, and the permit includes the determination or a concise summary thereof. Nothing herein shall preclude the Department from revising or revoking the permit pursuant to 6 NYCRR Part 621 or from exercising its summary abatement authority. Nothing in this permit shall alter or affect the following:

- i. The ability of the Department to seek to bring suit on behalf of the State of New York, or the Administrator to seek to bring suit on behalf of the United States, to immediately restrain any person causing or contributing to pollution presenting an imminent and substantial endangerment to public health, welfare or the environment to stop the emission of air pollutants causing or contributing to such pollution;
- ii. The liability of a permittee of the Title V facility for any violation of applicable requirements prior to or at the time of permit issuance;
- iii. The applicable requirements of Title IV of the Act;
- iv. The ability of the Department or the Administrator to obtain information from the permittee concerning the ability to enter, inspect and monitor the facility.

**Item K: Reopening for Cause - 6 NYCRR Part 201-6.4(i)**

This Title V permit shall be reopened and revised under any of the following circumstances:

- i. If additional applicable requirements under the Act become applicable where this permit's remaining term is three or more years, a reopening shall be completed not later than 18 months after promulgation of the applicable requirement. No such reopening is required if the effective date of the requirement is later than the date on which this permit is due to expire, unless the original permit or any of its terms and conditions has been extended by the Department pursuant to the provisions of Part 201-6.7 and Part 621.
- ii. The Department or the Administrator determines that the permit contains a material mistake or that inaccurate statements were made in establishing the emissions standards or other terms or conditions of the permit.
- iii. The Department or the Administrator determines that the Title V permit must be revised or reopened to assure compliance with applicable requirements.



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iv. If the permitted facility is an "affected source" subject to the requirements of Title IV of the Act, and additional requirements (including excess emissions requirements) become applicable. Upon approval by the Administrator, excess emissions offset plans shall be deemed to be incorporated into the permit.

Proceedings to reopen and issue Title V facility permits shall follow the same procedures as apply to initial permit issuance but shall affect only those parts of the permit for which cause to reopen exists.

Reopenings shall not be initiated before a notice of such intent is provided to the facility by the Department at least thirty days in advance of the date that the permit is to be reopened, except that the Department may provide a shorter time period in the case of an emergency.

**Item L: Permit Exclusion - ECL 19-0305**

The issuance of this permit by the Department and the receipt thereof by the Applicant does not and shall not be construed as barring, diminishing, adjudicating or in any way affecting any legal, administrative or equitable rights or claims, actions, suits, causes of action or demands whatsoever that the Department may have against the Applicant for violations based on facts and circumstances alleged to have occurred or existed prior to the effective date of this permit, including, but not limited to, any enforcement action authorized pursuant to the provisions of applicable federal law, the Environmental Conservation Law of the State of New York (ECL) and Chapter III of the Official Compilation of the Codes, Rules and Regulations of the State of New York (NYCRR). The issuance of this permit also shall not in any way affect pending or future enforcement actions under the Clean Air Act brought by the United States or any person.

**Item M: Federally Enforceable Requirements - 40 CFR 70.6(b)**

All terms and conditions in this permit required by the Act or any applicable requirement, including any provisions designed to limit a facility's potential to emit, are enforceable by the Administrator and citizens under the Act. The Department has, in this permit, specifically designated any terms and conditions that are not required under the Act or under any of its applicable requirements as being enforceable under only state regulations.

**NOTIFICATION OF GENERAL PERMITTEE OBLIGATIONS**

**Item A: General Provisions for State Enforceable Permit Terms and Condition - 6 NYCRR Part 201-5**

Any person who owns and/or operates stationary sources shall operate and maintain all emission units and any required emission control devices in compliance with all applicable Parts of this Chapter and existing laws, and shall operate the facility in accordance with all criteria, emission limits, terms, conditions, and standards in this permit. Failure of such person to properly operate and maintain the effectiveness of such emission units and emission control devices may be sufficient reason for the Department to revoke or deny a permit.

The owner or operator of the permitted facility must maintain all required records on-site for a period of five years and make them available to representatives of the Department upon request. Department representatives must be granted access to any facility regulated by

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this Subpart, during normal operating hours, for the purpose of determining compliance with this and any other state and federal air pollution control requirements, regulations or law.

**Regulatory Analysis**

Location Facility/EU/EP/Process/ES	Regulation	Condition	Short Description
--			
FACILITY	ECL 19-0301	70	Powers and Duties of the Department with respect to air pollution control
U-604BL	40CFR 60-Db.44b (a) (1)	51	Standard for Nitrogen Oxides Firing Natural Gas and Distillate Oil. (see narrative)
FACILITY	40CFR 60-Dc.48c (e) (11)	38	Reporting and Recordkeeping requirements - fuel supplier
U-604BL	40CFR 60-Dc.48c (g)	52	certifications Reporting and Recordkeeping Requirements.
U-714BL	40CFR 60-Dc.48c (g) (2)	64	Alternative recordkeeping
FACILITY	40CFR 60-IIII.4205 (b)	1 -16	Emission Standards - 2007 or later
FACILITY	40CFR 68	20	Emergency Non Fire Pump Stationary CI-IC Engines Displacing < 30 liters/cylinder
FACILITY	40CFR 82-F	21	Chemical accident prevention provisions
FACILITY	40CFR 93-B	41	Protection of Stratospheric Ozone - recycling and emissions reduction
FACILITY	6NYCRR 200.6	1	General Conformity
FACILITY	6NYCRR 200.7	10	Acceptable ambient air quality.
FACILITY	6NYCRR 201-1.4	1 -27	Maintenance of equipment.
FACILITY	6NYCRR 201-1.7	11, 1	Unavoidable noncompliance and violations
FACILITY	6NYCRR 201-1.8	12	Recycling and Salvage
FACILITY	6NYCRR 201-3.2 (a)	1 -3	Prohibition of reintroduction of collected contaminants to the air
FACILITY	6NYCRR 201-3.3 (a)	1 -4	Exempt Activities - Proof of eligibility
FACILITY	6NYCRR 201-6	22, 42, 43	Trivial Activities - proof of eligibility
FACILITY	6NYCRR 201-6.4 (a) (4)	1 -5	Title V Permits and the Associated Permit Conditions
FACILITY			General Conditions - Requirement to



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FACILITY	6NYCRR 201-6.4 (a) (7)	1	-6	Provide Information General Conditions - Fees
FACILITY	6NYCRR 201-6.4 (a) (8)	1	-7	General Conditions - Right to Inspect
U-950LF/STK23/044	6NYCRR 201-6.4 (b)	1	-25	Permit Conditions for Monitoring
U-KELL1	6NYCRR 201-6.4 (b)	3	-2	Permit Conditions for Monitoring
FACILITY	6NYCRR 201-6.4 (c)	1	-8	Recordkeeping and Reporting of Compliance Monitoring
FACILITY	6NYCRR 201-6.4 (c) (2)	1	-9	Records of Monitoring, Sampling and Measurement
FACILITY	6NYCRR 201- 6.4 (c) (3) (ii)	1	-10	Reporting Requirements - Deviations and Noncompliance
FACILITY	6NYCRR 201-6.4 (d) (4)	1	-11	Compliance Schedules - Progress Reports
FACILITY	6NYCRR 201-6.4 (e)	1	-12	Compliance Certification
FACILITY	6NYCRR 201-6.4 (f) (6)	1	-13	Off Permit Changes
FACILITY	6NYCRR 201-6.4 (g)	1	-1	Permit Shield
FACILITY	6NYCRR 201-7.1	1	-18	Emission Capping in Facility Permits
FACILITY	6NYCRR 202-1.1	19		Required emissions tests.
FACILITY	6NYCRR 202-2.1	7		Emission Statements - Applicability
FACILITY	6NYCRR 202-2.5	8		Emission Statements - record keeping requirements.
FACILITY	6NYCRR 211.1	24		General Prohibitions - air pollution prohibited
FACILITY	6NYCRR 211.2	72		General Prohibitions - visible emissions limited.
U- 950LF/STK23/044/00175	6NYCRR 212-1.6 (a)	3	-1	Limiting of Opacity
FACILITY	6NYCRR 215.2	9		Open Fires - Prohibitions
FACILITY	6NYCRR 225-1.2 (f)	2	-1	Sulfur-in-Fuel Limitations
FACILITY	6NYCRR 225-1.2 (g)	2	-2	Sulfur-in-Fuel Limitations
FACILITY	6NYCRR 225-3.3	73		Prohibitions and requirements - volatility
U-685SV	6NYCRR 226.2	58		General Requirments
U-685SV	6NYCRR 226.3 (a) (4)	59		Equipment specification-cold cleaning; 1.0 mm Hg vapor preasure
U-604BL/STK02/006	6NYCRR 227-1.2 (a) (1)	55		Particulate Emissions from Liquid Fuels.
FACILITY	6NYCRR 227-1.3 (a)	26,	27	Smoke Emission Limitations.
U-604BL/STK02	6NYCRR 227-1.3 (a)	53		Smoke Emission Limitations.
U-714BL/STK05	6NYCRR 227-1.3 (a)	65		Smoke Emission Limitations.



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U-757GN/STK24	6NYCRR 227-1.3 (a)	1	-23	Smoke Emission Limitations.
U-604BL/STK02	6NYCRR 227-1.4 (a)	77		Stack Monitoring. (see narrative)
U-604BL/STK02	6NYCRR 227-1.4 (b)	54		Stack Monitoring
U-714BL	6NYCRR 227-2.4 (d)	78		Small boilers, small combustion turbines, and small stationary internal combustion engines.
FACILITY	6NYCRR 227-2.5 (b)	2	-3	System averaging plan.
FACILITY	6NYCRR 228-1.3 (a)	2	-4	Surface Coating General Requirements-Opacity
U-1940P	6NYCRR 228-1.3 (b) (1)	2	-5	General Requirements - Record Keeping
U-1940P	6NYCRR 228-1.3 (d)	2	-6	Surface Coating General Requirements-Handling, storage and disposal
U-1940P	6NYCRR 228-1.3 (e)	2	-7	Surface Coating - General control requirements (Class A & most B)
U-1940P	6NYCRR 228-1.4 (a)	2	-8, 2	Class A Coating Line
U-1940P	6NYCRR 228-1.6 (a)	2	-11	Surface coating VOC analysis.
FACILITY	6NYCRR 230.2 (f)	29		Requirements
FACILITY	6NYCRR 230.2 (f) (6)	30		Requirements
FACILITY	6NYCRR 230.2 (g)	31		Daily visual inspections
FACILITY	6NYCRR 230.2 (j)	32		Maintenance of systems
FACILITY	6NYCRR 230.2 (k)	33		Testing requirements
FACILITY	6NYCRR 230.5 (a)	34		Gasoline Dispensing Sites - Recordkeeping and Reporting.
FACILITY	6NYCRR 230.5 (c)	35		Gasoline dispensing sites - recordkeeping and reporting.
FACILITY	6NYCRR 230.7 (c)	36		Registration schedules
U-700SC	6NYCRR 231-2.2 (b) (2)	60		Severe Ozone Nonattainment Area - Special Rules
U-700SC	6NYCRR 231-2.5	61, 62		Lowest achievable emission rate, LAER
U-700SC	6NYCRR 231-2.6	63		Emission reduction credits
FACILITY	6NYCRR 231-6.2	1	-14, 1	Netting
U-845P3	6NYCRR 232.12	85		Reporting and record keeping.
U-845P3	6NYCRR 232.14	86		Dry cleaning owner/manager and operator training and certification.
U-845P3	6NYCRR 232.16	87		Compliance inspections.
FACILITY	6NYCRR 232.18	76		Posting notice.
U-845P3	6NYCRR 232.6 (a)	79		Requirements for co-located facilities.
U-845P3	6NYCRR 232.6 (b) (1)	80		Equipment standards



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U-845P3	6NYCRR 232.7(a)	81	and specifications -- new stand-alone facilities.
U-845P3	6NYCRR 232.8	82	Leak Inspection and self monitoring requirements.
U-845P3	6NYCRR 232.8(d)(1)	83, 84	Operation and maintenance requirements.
FACILITY	6NYCRR 232.8(d)(7)	75	Operation and maintenance requirements -- fourth generation machines. Operation and Maintenance - Preparedness and Prevention

**Applicability Discussion:**

Mandatory Requirements: The following facility-wide regulations are included in all Title V permits:

ECL 19-0301

This section of the Environmental Conservation Law establishes the powers and duties assigned to the Department with regard to administering the air pollution control program for New York State.

6 NYCRR 200.6

Acceptable ambient air quality - prohibits contravention of ambient air quality standards without mitigating measures

6 NYCRR 200.7

Anyone owning or operating an air contamination source which is equipped with an emission control device must operate the control consistent with ordinary and necessary practices, standards and procedures, as per manufacturer's specifications and keep it in a satisfactory state of maintenance and repair so that it operates effectively

6 NYCRR 201-1.4

This regulation specifies the actions and recordkeeping and reporting requirements for any violation of an applicable state enforceable emission standard that results from a necessary scheduled equipment maintenance, start-up, shutdown, malfunction or upset in the event that these are unavoidable.

6 NYCRR 201-1.7

Requires the recycle and salvage of collected air contaminants where practical

6 NYCRR 201-1.8

Prohibits the reintroduction of collected air contaminants to the outside air

6 NYCRR 201-3.2 (a)

An owner and/or operator of an exempt emission source or unit may be required to certify that it operates within the specific criteria described in this Subpart. All required records must be maintained on-site for a period of 5 years and made available to department representatives upon request. In addition, department representatives must be granted access to any facility which contains exempt emission sources or units, during normal operating hours, for the purpose of determining compliance with this and any other state and federal air pollution control requirements, regulations, or law.



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6 NYCRR 201-3.3 (a)

The owner and/or operator of a trivial emission source or unit may be required to certify that it operates within the specific criteria described in this Subpart. All required records must be maintained on-site for a period of 5 years and made available to department representatives upon request. In addition, department representatives must be granted access to any facility which contains trivial emission sources or units subject to this Subpart, during normal operating hours, for the purpose of determining compliance with this and any other state and federal air pollution control requirements, regulations, or law.

6 NYCRR Subpart 201-6

This regulation applies to those terms and conditions which are subject to Title V permitting. It establishes the applicability criteria for Title V permits, the information to be included in all Title V permit applications as well as the permit content and terms of permit issuance. This rule also specifies the compliance, monitoring, recordkeeping, reporting, fee, and procedural requirements that need to be met to obtain a Title V permit, modify the permit and demonstrate conformity with applicable requirements as listed in the Title V permit. For permitting purposes, this rule specifies the need to identify and describe all emission units, processes and products in the permit application as well as providing the Department the authority to include this and any other information that it deems necessary to determine the compliance status of the facility.

6 NYCRR 201-6.4 (a) (4)

This mandatory requirement applies to all Title V facilities. It requires the permittee to provide information that the Department may request in writing, within a reasonable time, in order to determine whether cause exists for modifying, revoking and reissuing, or terminating the permit or to determine compliance with the permit. The request may include copies of records required to be kept by the permit.

6 NYCRR 201-6.4 (a) (7)

This is a mandatory condition that requires the owner or operator of a facility subject to Title V requirements to pay all applicable fees associated with the emissions from their facility.

6 NYCRR 201-6.4 (a) (8)

This is a mandatory condition for all facilities subject to Title V requirements. It allows the Department to inspect the facility to determine compliance with this permit, including copying records, sampling and monitoring, as necessary.

6 NYCRR 201-6.4 (c)

This requirement specifies, in general terms, what information must be contained in any required compliance monitoring records and reports. This includes the date, time and place of any sampling, measurements and analyses; who performed the analyses; analytical techniques and methods used as well as any required QA/QC procedures; results of the analyses; the operating conditions at the time of sampling or measurement and the identification of any permit deviations. All such reports must also be certified by the designated responsible official of the facility.

6 NYCRR 201-6.4 (c) (2)

This requirement specifies that all compliance monitoring and recordkeeping is to be conducted according to the terms and conditions of the permit and follow all QA requirements found in applicable regulations. It also requires monitoring records and supporting information to be retained for at least 5 years from the time of sampling, measurement, report or application. Support information is defined as including all calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation, and copies of all reports required by the permit.



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6 NYCRR 201-6.4 (c) (3) (ii)

This regulation specifies any reporting requirements incorporated into the permit must include provisions regarding the notification and reporting of permit deviations and incidences of noncompliance stating the probable cause of such deviations, and any corrective actions or preventive measures taken.

6 NYCRR 201-6.4 (d) (5)

This condition applies to every Title V facility subject to a compliance schedule. It requires that reports, detailing the status of progress on achieving compliance with emission standards, be submitted semiannually.

6 NYCRR 201-6.4 (e)

Sets forth the general requirements for compliance certification content; specifies an annual submittal frequency; and identifies the EPA and appropriate regional office address where the reports are to be sent.

6 NYCRR 201-6.4 (f) (6)

This condition allows changes to be made at the facility, without modifying the permit, provided the changes do not cause an emission limit contained in this permit to be exceeded. The owner or operator of the facility must notify the Department of the change. It is applicable to all Title V permits which may be subject to an off permit change.

6 NYCRR 201-6.4 (g)

Permit Exclusion Provisions - specifies those actions, such as administrative orders, suits, claims for natural resource damages, etc that are not affected by the federally enforceable portion of the permit, unless they are specifically addressed by it.

6 NYCRR 202-1.1

This regulation allows the department the discretion to require an emission test for the purpose of determining compliance. Furthermore, the cost of the test, including the preparation of the report are to be borne by the owner/operator of the source.

6 NYCRR 202-2.1

Requires that emission statements shall be submitted on or before April 15th each year for emissions of the previous calENdar year.

6 NYCRR 202-2.5

This rule specifies that each facility required to submit an emission statement must retain a copy of the statement and supporting documentation for at least 5 years and must make the information available to department representatives.

6 NYCRR 211.2

This regulation limits opacity from sources to less than or equal to 20 percent (six minute average) except for one continuous six-minute period per hour of not more than 57 percent opacity.

6 NYCRR 215.2

Except as allowed by section 215.3 of 6 NYCRR Part 215, no person shall burn, cause, suffer, allow or permit the burning of any materials in an open fire.

40 CFR Part 68

This Part lists the regulated substances and there applicability thresholds and sets the requirements for stationary sources concerning the prevention of accidental releases of these substances.



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40 CFR Part 82, Subpart F

Subpart F requires the reduction of emissions of class I and class II refrigerants to the lowest achievable level during the service, maintenance, repair, and disposal of appliances in accordance with section 608 of the Clean Air Act Amendments of 1990. This subpart applies to any person servicing, maintaining, or repairing appliances except for motor vehicle air conditioners. It also applies to persons disposing of appliances, including motor vehicle air conditioners, refrigerant reclaimers, appliance owners, and manufacturers of appliances and recycling and recovery equipment. Those individuals, operations, or activities affected by this rule, may be required to comply with specified disposal, recycling, or recovery practices, leak repair practices, recordkeeping and/or technician certification requirements.

**Facility Specific Requirements**

In addition to Title V, US ARMY GARRISON has been determined to be subject to the following regulations:

40 CFR 60.4205 (b)

This requirement applies to owners and operators of 2007 model year and later emergency stationary CI IC engines with a displacement less than 30 liters/cylinder that are not fire pump engines. An applicable source must comply with the emission standards for new nonroad CI engines for all pollutants (HC, PM, NO<sub>x</sub>, NMHC + NO<sub>x</sub> and CO) for the same model year and maximum engine power as per 40 CFR 60.4202.

40 CFR 60.44b (a) (1)

NO<sub>x</sub> emissions from boilers subject to this Subpart are limited to 0.2 pounds per million BTU. NO<sub>x</sub> emissions shall be determined by utilizing a Predictive Emission Monitoring System (PEMS) to ensure compliance with this limit.

40 CFR 60.48c (e) (11)

If fuel supplier certifications are used to demonstrate compliance with the distillate oil specifications under 40 CFR 60-Dc.41c, then reports shall include a certified statement signed by the owner or operator that the records of fuel supplier certifications submitted represent all of the fuel combusted during the reporting period.

40 CFR 60.48c (g)

The owner or operator of each affected facility shall record and maintain records of the amount of each fuel combusted during each day.

40 CFR 60.48c (g) (2)

This regulation allows the owner or operator of an affected facility that combusts only natural gas, wood, fuels using fuel certification in 40 CFR 60.48c(f) to demonstrate compliance with the SO<sub>2</sub> standard, fuels not subject to an emissions standard (excluding opacity), or a mixture of these fuels may elect to record and maintain records of the amount of each fuel combusted during each calendar month.



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40 CFR Part 93, Subpart B

This regulation pertains to determining conformity of federal actions to federal or state implementation plans.

6 NYCRR 201-6.4 (a) (4)

This mandatory requirement applies to all Title V facilities. It requires the permittee to provide any information that the Department may request in writing, within a reasonable time, in order to determine whether cause exists for modifying, revoking and reissuing, or terminating the permit or to determine compliance with the permit. The request may include copies of records required to be kept by the permit.

6 NYCRR 201-6.4 (a) (7)

This is a mandatory condition that requires the owner or operator of a facility subject to Title V requirements to pay all applicable fees associated with the emissions from their facility.

6 NYCRR 201-6.4 (a) (8)

This is a mandatory condition for all facilities subject to Title V requirements. It allows the Department to inspect the facility to determine compliance with this permit, including copying records, sampling and monitoring, as necessary.

6 NYCRR 201-6.4 (b)

This citation specifies that the permit will contain periodic monitoring, in order to assure compliance. The hours of operation of the Keller Hospital generators will be monitored.

6 NYCRR 201-6.4 (c)

This requirement specifies, in general terms, what information must be contained in any required compliance monitoring records and reports. This includes the date, time and place of any sampling, measurements and analyses; who performed the analyses; analytical techniques and methods used as well as any required QA/QC procedures; results of the analyses; the operating conditions at the time of sampling or measurement and the identification of any permit deviations. All such reports must also be certified by the designated responsible official of the facility.

6 NYCRR 201-6.4 (c) (2)

This requirement applies to all facilities subject to Title V requirements and specifies that all compliance monitoring and recordkeeping is to be conducted according to the terms and conditions of the permit and follow all QA requirements found in applicable regulations. It also requires monitoring records and supporting information to be retained for at least 5 years from the time of sampling, measurement, report or application. Support information is defined as including all calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation, and copies of all reports



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required by the permit.

6 NYCRR 201-6.4 (c) (3) (ii)

This regulation specifies any reporting requirements incorporated into the permit must include provisions regarding the notification and reporting of permit deviations and incidences of noncompliance stating the probable cause of such deviations, and any corrective actions or preventive measures taken.

6 NYCRR 201-6.4 (d) (4)

This condition applies to every Title V facility subject to a compliance schedule. It requires that reports, detailing the status of progress on achieving compliance with emission standards, be submitted semiannually.

6 NYCRR 201-6.4 (f) (6)

This condition allows changes to be made at the facility, without modifying the permit, provided the changes do not cause an emission limit contained in this permit to be exceeded. The owner or operator of the facility must notify the Department of the change. It is applicable to all Title V permits which may be subject to an off permit change.

6 NYCRR 201-7.1

This section of Part 201-7 specifies the criteria that need to be met in order to restrict emissions to avoid Title V or other applicable requirements using federally enforceable permit conditions. This permit contains the following restrictions on emission units:

U-604BL 91.9 tons of SO<sub>2</sub> per year (a 7 ton annual ton increase from past actuals) to avoid NSR

U-604BL 77.1 tons of NO<sub>x</sub> per year (a zero ton annual increase from past actuals) to avoid NSR

U-604GN 24.0 tons of NO<sub>x</sub> per year to avoid NSR

U-847SC 1.98 tons of NO<sub>x</sub> per year to avoid NSR

6 NYCRR 211.1

This regulation requires that no person shall cause or allow emissions of air contaminants to the outdoor atmosphere of such quantity, characteristic or duration which are injurious to human, plant or animal life or to property, or which unreasonably interfere with the comfortable enjoyment of life or property.

6 NYCRR 212-1.6 (a)

This provisions requires that the facility owner or operator not cause or allow emissions having an average opacity during any six consecutive minutes of 20 percent or greater



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from any process emission source or emission point, except for the emission of uncombined water.

6 NYCRR 225-1.2 (f)

Sulfur-in-fuel limitations for the purchase of #2 heating oil on or after July 1, 2012.

6 NYCRR 225-1.2 (g)

Sulfur-in-fuel limitations for the purchase of distillate oil on or after July 1, 2014.

6 NYCRR 225-3.3

This regulation sets forth the RVP requirements for gasoline sold in the state during various parts of the year.

6 NYCRR 226.2

The facility must minimize VOC emissions from a solvent cleaning tank and keep a record of monthly solvent consumption.

6 NYCRR 226.3 (a) (4)

This provision establishes a limit on the vapor pressure of the solvent used for cold cleaning degreasing to 1.0 mm of mercury or less, at 20 degrees Celsius.

6 NYCRR 227-1.2 (a) (1)

This regulation establishes a particulate emission limit in terms of lbs per mmBtu of heat input for stationary combustion units of greater than 250 mmBtu/hr heat input capacity which fire coal, oil, or coal derived fuels.

6 NYCRR 227-1.3 (a)

This regulation prohibits any person from operating a stationary combustion installation which emits smoke equal to or greater than 20% opacity except for one six-minute period per hour of not more than 27% opacity.

6 NYCRR 227-1.4 (a)

An owner of a stationary combustion installation, with a total heat input capacity exceeding 250 million BTU per hour, must continuously monitor and record opacity, whenever any fuel other than gas is burned. The instrumentation used must be maintained in accordance with 40 CFR 60 Appendix B.

6 NYCRR 227-1.4 (b)

This regulation requires the specific contents of excess emissions reports for opacity from facilities that



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employ continuous opacity monitors (COMs).

6 NYCRR 227-2.4 (d)

This section includes NOx RACT requirements for small boilers, small combustion turbines, and small stationary internal combustion engines.

6 NYCRR 227-2.5 (b)

System averaging plan NOx RACT compliance option. The facility will use this option for the three Central Power Plant boilers and the two Laundry Plant boilers.

6 NYCRR 228-1.3 (a)

Opacity is limited to 20 percent in any six consecutive minute period for any emission source subject to Part 228-1.

6 NYCRR 228-1.3 (b) (1)

The facility must keep records of coating supplier data and of coating purchases, usage, and production.

6 NYCRR 228-1.3 (d)

This citation specifies storage and disposal requirements in regard to materials with volatile organic compounds .

6 NYCRR 228-1.3 (e)

The facility must use one of the coating application techniques listed in the regulation.

6 NYCRR 228-1.4 (a)

This provision specifies VOC content limits for coatings applied for mobile equipment repair and refinishing.

6 NYCRR 228-1.6 (a)

The facility may be required by the Department to determine the VOC content in the coatings using Test Method 311 or 24.

6 NYCRR 230.2 (f)

Owners and/or operators of gasoline storage tanks, vehicles, and dispensing stations required to install



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stage I and/or stage II vapor recovery equipment must meet provisions, which include training of personnel, and repair, replacement, and proper operation of equipment.

6 NYCRR 230.2 (f) (6)

Owners and/or operators of stage II vapor collection systems must post operating instructions on each dispenser.

6 NYCRR 230.2 (g)

This regulation requires daily visual inspections of components of stage II vapor collection system to ensure the integrity and efficiency of the system. Dispensers with defective stage II components must be removed from service, locked and sealed to prevent vapor loss from operational dispensers until approved replacement parts are installed. A log will be kept recording the results of the inspections.

6 NYCRR 230.2 (j)

This provision requires facilities with stage II vapor collection systems to maintain vapor return lines so that there is no blockage of the lines.

6 NYCRR 230.2 (k)

This regulation requires the owners and/or operators of stage II systems to perform dynamic pressure tests at 5 year intervals after commencing operations. The tests must comply with the limits specified in 6 NYCRR Part 230.2(k).

6 NYCRR 230.5 (a)

This section requires recordkeeping of the amount of gasoline delivered.

6 NYCRR 230.5 (c)

This regulation requires a gasoline dispensing site to post their copy of the registration form obtained from the NYSDEC.

6 NYCRR 230.7 (c)

This provision requires facilities with a gasoline dispensing site located in lower Orange County to register pursuant to 6NYCRR Part 201 or Part 612.

6 NYCRR 231-2.2 (b) (2)

The provisions of Subpart 231-2 apply to new or modified major facilities. The contaminant of concern at the facility is nitrogen oxides (NO<sub>x</sub>). At the time of permitting and construction of the combustion sources comprising Emission Unit U-700SC, potential NO<sub>x</sub> emissions of these sources met the applicability thresholds in Part 231. Since the facility is located in the ozone non-attainment area within the state, an emission offset of 1.3 to 1 and a Lowest Achievable Emission Reduction (LAER) must be achieved.



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6 NYCRR 231-2.5

A Lowest Achievable Emission Rate (LAER) must be defined and achieved for facilities subject to Part 231-2. This applies to NOx emissions from the combustion sources comprising Emission Unit U-700SC. LAER for the boilers is 20 percent of the potential to emit. LAER for the generators is an emission limit based on a restriction on hours of operation.

6 NYCRR 231-2.6

The requirements and criteria for creating and certifying emission reduction credits (ERCs) are set forth in section 231-2.6.

6 NYCRR 231-6.2

This section establishes the requirements for performing a netting analyses.

6 NYCRR 232.12

This section of the perc dry cleaning regulation requires operators of perc dry cleaning facilities to keep records.

6 NYCRR 232.14

This section of the perc dry cleaning regulation requires perc dry cleaning facility owner/managers and machine operators to be trained and certified. Vendors of training courses must be approved by DEC. Owner/manager and operator exam candidates must demonstrate a minimum level of knowledge in order to obtain certification. Registered dry cleaning inspectors and individuals working for them performing Part 232 compliance inspections must obtain owner/manager certification. Certification is valid for three years and can be renewed upon completion of a refresher course. Training course vendor authorization is valid for five years and can be renewed by application.

6 NYCRR 232.16

This section of the perc dry cleaning regulation requires perc dry cleaning facilities to be inspected at least annually for compliance with the perc dry cleaning rule. These inspections shall be performed by a DEC approved registered inspector or individual. DEC shall be notified at least 7 days prior to the inspection and a copy of the completed report shall be submitted to the DEC and facility owner within 45 days of inspection. If a leak or malfunction is discovered during the inspection the facility must be repaired and reinspected within one month. The most recent compliance inspection report shall be made available to interested individuals for review on premises during normal business hours.

6 NYCRR 232.18

This section of the perc dry cleaning regulation requires perc dry cleaners to post a DEC sign in their shop in a location which is visible to the public. The sign informs the public that perc is used in the shop and what possible health problems may occur from exposure to perc. The facility owner is required to fill in blank information on the sign such as the facility name, address, and owner as well as local emergency contact phone numbers. Sign language and minimum dimensions are specified in this section.



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6 NYCRR 232.6 (a)

This subdivision of the perc dry cleaning regulation includes emissions control and spill containment specifications which must be met.

6 NYCRR 232.6 (b) (1)

Fugitive perc emissions from dry cleaning machines can not exceed 50 ppm.

6 NYCRR 232.7 (a)

This subdivision of the perc dry cleaning regulation specifies that the dry cleaning system must be checked at least weekly for liquid and vapor perc leaks and fugitive perc emissions. The operator must record the status of each component on a checklist supplied by DEC. Checklist must be kept on-site for at least 5 years.

6 NYCRR 232.8

This section of the perc dry cleaning regulation specifies minimum operation and maintenance requirements for perc dry cleaning systems. A DEC checklist which documents that proper operation and maintenance is being done must be completed.

6 NYCRR 232.8 (d) (1)

This citation sets temperature limits associated with the air-perc vapor stream entering and exiting the dry cleaning machine refrigerated condenser. The exit temperature must be equal to or less than 45 degrees Fahrenheit, and temperature difference between the vapor stream entering and exiting the condenser must be equal or greater than 20 degrees Fahrenheit.

6 NYCRR 232.8 (d) (7)

This regulation sets forth the requirements to prevent spills at the dry cleaning system. It requires that all dry cleaning operations must be equipped with the following: adequate spill control equipment including sorbent materials, or alternative method for absorbing spills; vapor-proof containers for storing spill-contaminated material; and fire control equipment. Also, the facility owner must maintain aisle space to allow proper inspection of the dry cleaning equipment. Finally, a reasonable supply of spare parts for repairing dry cleaning equipment must be available at the dry cleaning facility.

**Compliance Certification**

**Summary of monitoring activities at US ARMY GARRISON:**

<b>Location</b>	<b>Cond No.</b>	<b>Type of Monitoring</b>
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**Facility/EU/EP/Process/ES**

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U-604BL	51	monitoring of process or control device parameters as surrogate
FACILITY	38	record keeping/maintenance procedures
U-604BL	52	record keeping/maintenance procedures
U-714BL	64	record keeping/maintenance procedures
FACILITY	1-16	record keeping/maintenance procedures
FACILITY	41	record keeping/maintenance procedures
U-950LF/STK23/044	1-25	monitoring of process or control device parameters as surrogate
U-KELL1	3-2	monitoring of process or control device parameters as surrogate
FACILITY	1-10	record keeping/maintenance procedures
FACILITY	1-12	record keeping/maintenance procedures
U-604BL	1-19	monitoring of process or control device parameters as surrogate
U-604BL	1-20	monitoring of process or control device parameters as surrogate
U-604GN	2-12	monitoring of process or control device parameters as surrogate
U-847SC	1-24	monitoring of process or control device parameters as surrogate
FACILITY	7	record keeping/maintenance procedures
U-950LF/STK23/044/00175	3-1	monitoring of process or control device parameters as surrogate
FACILITY	2-1	work practice involving specific operations
FACILITY	2-2	work practice involving specific operations
FACILITY	73	record keeping/maintenance procedures
U-685SV	58	record keeping/maintenance procedures
U-685SV	59	work practice involving specific operations
U-604BL/STK02/006	55	intermittent emission testing
FACILITY	26	monitoring of process or control device parameters as surrogate
FACILITY	27	monitoring of process or control device parameters as surrogate
U-604BL/STK02	53	monitoring of process or control device parameters as surrogate
U-714BL/STK05	65	monitoring of process or control device parameters as surrogate
U-757GN/STK24	1-23	monitoring of process or control device parameters as surrogate
U-604BL/STK02	77	record keeping/maintenance procedures
U-604BL/STK02	54	record keeping/maintenance procedures
U-714BL	78	record keeping/maintenance procedures
FACILITY	2-3	record keeping/maintenance procedures
FACILITY	2-4	monitoring of process or control device parameters as surrogate
U-1940P	2-5	record keeping/maintenance procedures
U-1940P	2-8	work practice involving specific operations
U-1940P	2-9	work practice involving specific operations
U-1940P	2-10	work practice involving specific operations
U-1940P	2-11	record keeping/maintenance procedures
FACILITY	29	record keeping/maintenance procedures
FACILITY	30	record keeping/maintenance procedures
FACILITY	31	record keeping/maintenance procedures
FACILITY	32	record keeping/maintenance procedures
FACILITY	33	record keeping/maintenance procedures
FACILITY	34	record keeping/maintenance procedures
U-700SC	60	record keeping/maintenance procedures
U-700SC	61	record keeping/maintenance procedures



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U-700SC	62	record keeping/maintenance procedures
U-700SC	63	record keeping/maintenance procedures
FACILITY	1-14	record keeping/maintenance procedures
FACILITY	1-15	record keeping/maintenance procedures
U-845P3	85	record keeping/maintenance procedures
U-845P3	86	record keeping/maintenance procedures
U-845P3	87	record keeping/maintenance procedures
U-845P3	79	record keeping/maintenance procedures
U-845P3	80	ambient air monitoring
U-845P3	82	record keeping/maintenance procedures
U-845P3	83	monitoring of process or control device parameters as surrogate
U-845P3	84	monitoring of process or control device parameters as surrogate
FACILITY	75	record keeping/maintenance procedures

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**Basis for Monitoring**

The basis of monitoring requirements in the permit includes the following:

1. Since oil is the backup fuel for the three boilers at the Central Power Plant, emission testing to demonstrate compliance with the particulate limit in Part 227-1 is required only if directed by the Department.
2. Visible emissions from the Central Power Plant generator and the Laundry Plant boilers will be observed and documented annually as a reasonable monitoring frequently.
3. Operation of the two emergency generators at the Keller Hospital is limited to 250 hours per year each. This equates to a potential to emit NOx at 1.74 tons per year. Since this is below 2.5 tons per year, the addition of these two generators is not a significant project in accordance with Part 231.
4. An initial observation of visible emissions from the Holleder Center boilers was required, just as an initial compliance demonstration is required for boilers and other emission sources subject to 40 CFR 60 New Source performance Standards.
5. Visible emission evaluations for boilers with heat inputs below 10 million BTU per hour and for emergency generators will be required only if directed by the Department. This is because these combustion sources are operated only part of the year or infrequently, and because past evaluations showed that there were no visible emissions.
6. Maintaining the filters in the paint spray booth at the Transportation Motor Pool in good condition is required to ensure that visible emissions do not exceed the Part 228-1 opacity limit.
7. VOC contents in the base coats and clear coats, and Equation A in Part 228-1, will be used to demonstrate compliance with the VOC limit of topcoats used for painting motor vehicles at the Transportation Motor Pool.