



**Facility Identification Data**

Name: NYC-TA CONEY ISLAND YARD  
Address: 2556 MCDONALD AVE @ AVE X  
BROOKLYN, NY 11223

**Owner/Firm**

Name: NYC TRANSIT AUTHORITY  
Address: 2 BROADWAY  
NEW YORK, NY 10004, USA  
Owner Classification: Corporation/Partnership

**Permit Contacts**

Division of Environmental Permits:  
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Division of Air Resources:  
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Air Permitting Facility Owner Contact:  
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NEW YORK, NY 10004  
Phone:6462525777

**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**

Renewal of the TV Permit.

**Attainment Status**

NYC-TA CONEY ISLAND YARD is located in the town of BROOKLYN in the county of KINGS. 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 primary function of the coney island facility is the inspection, maintenance and repair of subway car fleets which service the Metropolitan Transportation Authority New York City Transit IND and BMT Divisions. Operations include inspection of subway cars, and the disassembly, cleaning and rebuilding and/or repairing of car components. Other operations at the facility include a regional employee medical access center, track power distribution facilities and subway yard and track operations. Sources currently permitted at this facility, and included in this application, consist of a stationary combustion installation with three 14.5 million btu/hr boiler units (Emission Point 00001), which provides process steam and heating for the facility, a subway car surface coating operation (01004 and 01005) operated by the car repair department and coating lines operated by the electric motor repair shop (00003-00007 and 00009-00012) which include the baking ovens and vacuum pressure impregnation tank (VPI) tank. Emission point 0008 was removed.

### Permit Structure and Description of Operations

The Title V permit for NYC-TA CONEY ISLAND YARD

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.

NYC-TA CONEY ISLAND YARD is defined by the following emission unit(s):

Emission unit 1000SC - Emission Unit consists of surface coating of subway cars and car components in the Car Repair, Electric Motor Repair Shop and Shoe Beam Repair Shop Departments. Activities within the car repair department of the Overhaul Shop include a subway car paint booth (Emission Points 01004-01005) which utilizes a water curtain (Emission Source WC001) AND DRY FILTER (Emission Source FLT01) for particulate control, and a car component paint booth (00002) which utilizes a dry filter for particulate control. Electric motor repair shop coating operations consist of two insulating resin coating lines and three paint spray booths located in the Electric Motor Shop building. The traction motor resin coating lines consist of two VPI coating tanks vented by an area exhaust (Emission Point 00004) A gas fired pre heat oven (Emission Point 00003) and for gas fired curing ovens (Emission Point 00005). The Small Motor Shop resin coating line consists of an electric powered oven to dry parts prior to coating (emissions are negligible), a VPI tank (Emission Point 00006) and one preheat and one curing oven, vented to a common stack (Emission Point 000 07). The paint spray booths consist of one enclosed booths (Emission Source 00009) and one open booth (Emission Source 00010) . A heat cleaning oven to be utilized to heat clean hydrocarbon based resin coatings from trays and other VPI process equipment parts is also included (Emission Source 00011). This emission unit also includes two tanks used for manual dip coating of parts in the Shoe Beam Repair Shop, which is located within the Overhaul Shop Building and is not directly vented (ie., emissions are fugitive). The AC Motor Shop is part of the Motor Repair Shop but is located in the Overhaul Shop and has one drying oven (Emission Point 00012) and two electric ovens used to heat parts.

Emission unit 1000SC is associated with the following emission points (EP):

00002, 00003, 00004, 00005, 00006, 00007, 00009, 00010, 00011, 00012, 01004, 01005

It is further defined by the following process(es):

Process: DIP is located at FIRST/SHOE BEAM SHOP, Building OVERHAUL - Dipping of subway car shoe beam components in two tanks containing a surface coating. Both tanks tanks (DP001 and DP001) are used to apply a topcoat. These sources are not directly vented to atmosphere.

Process: HCO is located at Ext to A/C Motor Sho, Building OVERHAUL - One heat cleaning oven to be utilized to remove hydrocarbon based resin from parts and equipment associated with the VPI coating process. Source has not commenced operation. Oven is located outside adjacent to the main Overhaul Shop building.

Process: SC1 is located at FIRST/CAR REPAIR, Building OVERHAUL - Application of surface coatings to subway car exteriors in a paint tunnel located in the Overhaul Shop which is equipped with a traveling paint booth (PB001). Controls consist of a waterfall system (WC001) followed by a dry filter (FLT01). Emissions from this process are discharged to two exhaust stacks which are identified as 01004 and 01005. Manual sanding and brush/roller painting of subway cars is also performed in this area; these are considered trivial activities pursuant to 6 NYCRR Part 201-3.

Process: SC2 is located at FIRST/CAR REPAIR, Building OVERHAUL - Application of surface coatings to subway car components within a paint booth (PB002) Located in the Overhaul Shop. Booth is equipped with a dry filter. Exhaust is directed to an exhaust stack (00002).

Process: SC3 is located at FIRST, Building EMR - Application of surface coatings within two enclosed (TM050, TM059) and one open (SM013) paint booths equipped with dry filters for control of particulate emissions.

Process: VPI is located at FIRST, Building EMR - Process consists of two coating lines located in the Electric Motor Repair (EMR) shop utilized to apply an insulating resin to electric motor components by a vacuum pressure impregnation (VPI) process. The traction motor coating line consists of a gas fi red pre heat oven (TM016) two VPI process tanks (TM17A, TM17B) and four gas fired curing ovens (TM18A, TM18B, TM1C, TM18D). The small motor coating line consists of an electric powered drying chamber, one VPI process tank (SM006), one gas fired preheat oven (SM07A) and one gas fired curing oven (SM07B). This process also utilizes one gas fired drying oven



(Emission Source TM019) and two drying ovens in the A/C Motor Shop located in the Overhaul Shop.

Emission unit 100BLR - Emission unit consists of three dual fired boilers (BLR01, BLR02, BLR03) each rated at approximately 14.5 million btu/hr. Each of the boilers is vented to a common stack (00001). This emission unit was previously permitted.

Emission unit 100BLR is associated with the following emission points (EP):  
 00001

It is further defined by the following process(es):

Process: GAS is located at FIRST, Building BOILER - Combustion of natural gas in three boilers each rated at 14.5 million Btu/hr.

Process: OIL is located at FIRST, Building BOILER - Combustion of no. 2 fuel oil in three boilers each rated at 14.5 million btu/hr.

**Title V/Major Source Status**

NYC-TA CONEY ISLAND YARD is subject to Title V requirements. This determination is based on the following information:

NYC-TA CONEY ISLAND YARD is a major facility because the potential emissions of nitrogen oxides (NOx) and volatile organic compounds (VOC's) from their operations exceed the major source threshold of 25 tpy.

**Program Applicability**

The following chart summarizes the applicability of NYC-TA CONEY ISLAND YARD with regards to the principal air pollution regulatory programs:

<b>Regulatory Program</b>	<b>Applicability</b>
PSD	NO
NSR (non-attainment)	NO
NESHAP (40 CFR Part 61)	NO
NESHAP (MACT - 40 CFR Part 63)	NO
NSPS	NO
TITLE IV	NO
TITLE V	YES
TITLE VI	NO
RACT	YES
SIP	YES

NOTES:



**PSD** Prevention of Significant Deterioration (40 CFR 52) - 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 Part 231) - 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) - 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) - 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) - 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) - regulations which mandate the implementation of the acid rain control program for large stationary combustion facilities.

**Title VI** Stratospheric Ozone Protection (40 CFR 82, Subparts A thru G) - 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 air pollution control regulations which specifically regulate VOC and NOx emissions.

**SIP** State Implementation Plan (40 CFR 52, Subpart HH) - 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
4111	LOCAL AND SUBURBAN TRANSIT

**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
1-02-004-02	EXTERNAL COMBUSTION BOILERS - INDUSTRIAL INDUSTRIAL BOILER - RESIDUAL OIL 10-100MMBTU/HR **
1-02-006-02	EXTERNAL COMBUSTION BOILERS - INDUSTRIAL INDUSTRIAL BOILER - NATURAL GAS 10-100 MMBtu/Hr
4-02-008-01	SURFACE COATING OPERATIONS
COATING OVEN - GENERAL General	
4-02-025-01	SURFACE COATING OPERATIONS SURFACE COATING OPERATIONS - MISCELLANEOUS METAL PARTS Coating Operation

**Facility Emissions Summary**

In the following table, the CAS No. or Chemical Abstract Series 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 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
003268-87-9	1,2,3,4,6,7,8,9-OCTACHLORODIBENZODIOXIN	> 0	but < 2.5 tpy
003268-87-9	1,2,3,4,6,7,8,9-OCTACHLORODIBENZODIOXIN	> 0	but < 2.5 tpy



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Permit ID: 2-6107-00079/00009

Renewal Number: 1

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000091-57-6	2-METHYL NAPHTHALENE	> 0	but < 2.5 tpy
000091-57-6	2-METHYL NAPHTHALENE	> 0	but < 2.5 tpy
000108-10-1	2-PENTANONE, 4-METHYL	> 0	but < 10 tpy
000108-10-1	2-PENTANONE, 4-METHYL	> 0	but < 10 tpy
002807-30-9	2-PROPOXY ETHANOL	> 0	but < 10 tpy
002807-30-9	2-PROPOXY ETHANOL	> 0	but < 10 tpy
000208-96-8	ACENAPHTHYLENE	> 0	but < 10 tpy
000208-96-8	ACENAPHTHYLENE	> 0	but < 10 tpy
000075-07-0	ACETALDEHYDE	> 0	but < 10 tpy
000075-07-0	ACETALDEHYDE	> 0	but < 10 tpy
000120-12-7	ANTHRACENE	> 0	but < 10 tpy
000120-12-7	ANTHRACENE	> 0	but < 10 tpy
007440-36-0	ANTIMONY	> 0	but < 10 tpy
007440-36-0	ANTIMONY	> 0	but < 10 tpy
007440-38-2	ARSENIC	> 0	but < 10 tpy
007440-38-2	ARSENIC	> 0	but < 10 tpy
000071-43-2	BENZENE	> 0	but < 10 tpy
000071-43-2	BENZENE	> 0	but < 10 tpy
000098-82-8	BENZENE, (1-METHYLETHYL)	> 0	but < 10 tpy
000098-82-8	BENZENE, (1-METHYLETHYL)	> 0	but < 10 tpy
000095-47-6	BENZENE, 1,2-DIMETHYL	> 0	but < 10 tpy
000095-47-6	BENZENE, 1,2-DIMETHYL	> 0	but < 10 tpy
000056-55-3	BENZO (A) ANTHRACENE	> 0	but < 10 tpy
000056-55-3	BENZO (A) ANTHRACENE	> 0	but < 10 tpy
000191-24-2	BENZO [G, H, I] PERYLENE	> 0	but < 10 tpy
000191-24-2	BENZO [G, H, I] PERYLENE	> 0	but < 10 tpy
000207-08-9	BENZO [K] FLUORANTHENE	> 0	but < 10 tpy
000207-08-9	BENZO [K] FLUORANTHENE	> 0	but < 10 tpy
007440-41-7	BERYLLIUM	> 0	but < 10 tpy
007440-41-7	BERYLLIUM	> 0	but < 10 tpy
007440-43-9	CADMIUM	> 0	but < 10 tpy
007440-43-9	CADMIUM	> 0	but < 10 tpy
000630-08-0	CARBON MONOXIDE	>= 10	tpy but < 25 tpy
000630-08-0	CARBON MONOXIDE	>= 10	tpy but < 25 tpy
007440-47-3	CHROMIUM	> 0	but < 10 tpy
007440-47-3	CHROMIUM	> 0	but < 10 tpy
018540-29-9	CHROMIUM (VI)	> 0	but < 10 tpy
018540-29-9	CHROMIUM (VI)	> 0	but < 10 tpy
000218-01-9	CHRYSENE	> 0	but < 10 tpy
000218-01-9	CHRYSENE	> 0	but < 10 tpy
007440-48-4	COBALT	> 0	but < 10 tpy
007440-48-4	COBALT	> 0	but < 10 tpy
000053-70-3	DIBENZ [A, H] ANTHRACENE	> 0	but < 10 tpy
000053-70-3	DIBENZ [A, H] ANTHRACENE	> 0	but < 10 tpy
000071-55-6	ETHANE, 1,1,1-TRICHLORO	> 0	but < 10 tpy
000071-55-6	ETHANE, 1,1,1-TRICHLORO	> 0	but < 10 tpy
000111-96-6	ETHANE, 1,1'-OXYBIS [-METHOXY]	> 0	but < 10 tpy
000111-96-6	ETHANE, 1,1'-OXYBIS [-METHOXY]	> 0	but < 10 tpy
000111-90-0	ETHANOL, 2- (2-ETHOXYETHOXY)	> 0	but < 10 tpy
000111-90-0	ETHANOL, 2- (2-ETHOXYETHOXY)	> 0	but < 10 tpy
000112-07-2	ETHANOL, 2-BUTOXY-, ACETATE	> 0	but < 10 tpy
000112-07-2	ETHANOL, 2-BUTOXY-, ACETATE	> 0	but < 10 tpy
000100-41-4	ETHYLBENZENE	> 0	but < 10 tpy
000100-41-4	ETHYLBENZENE	> 0	but < 10 tpy
000206-44-0	FLUORANTHENE	> 0	but < 10 tpy
000206-44-0	FLUORANTHENE	> 0	but < 10 tpy
000050-00-0	FORMALDEHYDE	> 0	but < 10 tpy
000050-00-0	FORMALDEHYDE	> 0	but < 10 tpy
0NY100-00-0	HAP	>= 2.5	tpy but < 10 tpy
0NY100-00-0	HAP	>= 2.5	tpy but < 10 tpy
000110-54-3	HEXANE	> 0	but < 10 tpy
000110-54-3	HEXANE	> 0	but < 10 tpy
000822-06-0	HEXANE, 1,6-DIISOCYANATO-	> 0	but < 10 tpy
000822-06-0	HEXANE, 1,6-DIISOCYANATO-	> 0	but < 10 tpy
000193-39-5	INDENO [1,2,3-CD] PYRENE	> 0	but < 10 tpy
000193-39-5	INDENO [1,2,3-CD] PYRENE	> 0	but < 10 tpy
007439-92-1	LEAD	> 0	but < 10 tpy
007439-92-1	LEAD	> 0	but < 10 tpy
007439-96-5	MANGANESE	> 0	but < 10 tpy
007439-96-5	MANGANESE	> 0	but < 10 tpy
007439-97-6	MERCURY	> 0	but < 10 tpy
007439-97-6	MERCURY	> 0	but < 10 tpy
000067-56-1	METHYL ALCOHOL	> 0	but < 10 tpy
000067-56-1	METHYL ALCOHOL	> 0	but < 10 tpy
000078-93-3	METHYL ETHYL KETONE	> 0	but < 10 tpy
000078-93-3	METHYL ETHYL KETONE	> 0	but < 10 tpy
000121-44-8	N,N-DIETHYL ETHANAMINE	> 0	but < 10 tpy



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000121-44-8	N,N-DIETHYL ETHANAMINE	> 0 but < 10 tpy
000091-20-3	NAPHTHALENE	> 0 but < 10 tpy
000091-20-3	NAPHTHALENE	> 0 but < 10 tpy
007440-02-0	NICKEL METAL AND INSOLUBLE COMPOUNDS	> 0 but < 10 tpy
007440-02-0	NICKEL METAL AND INSOLUBLE COMPOUNDS	> 0 but < 10 tpy
0NY210-00-0	OXIDES OF NITROGEN	>= 100 tpy but < 250 tpy
0NY210-00-0	OXIDES OF NITROGEN	>= 100 tpy but < 250 tpy
0NY075-00-0	PARTICULATES	>= 10 tpy but < 25 tpy
0NY075-00-0	PARTICULATES	>= 10 tpy but < 25 tpy
000085-01-8	PHENANTHRENE	> 0 but < 10 tpy
000085-01-8	PHENANTHRENE	> 0 but < 10 tpy
007723-14-0	PHOSPHORUS (YELLOW)	> 0 but < 10 tpy
007723-14-0	PHOSPHORUS (YELLOW)	> 0 but < 10 tpy
0NY075-00-5	PM-10	>= 10 tpy but < 25 tpy
0NY075-00-5	PM-10	>= 10 tpy but < 25 tpy
000129-00-0	PYRENE	> 0 but < 10 tpy
000129-00-0	PYRENE	> 0 but < 10 tpy
007782-49-2	SELENIUM	> 0 but < 10 tpy
007782-49-2	SELENIUM	> 0 but < 10 tpy
007446-09-5	SULFUR DIOXIDE	>= 50 tpy but < 100 tpy
007446-09-5	SULFUR DIOXIDE	>= 50 tpy but < 100 tpy
000108-88-3	TOLUENE	> 0 but < 10 tpy
000108-88-3	TOLUENE	> 0 but < 10 tpy
0NY998-00-0	VOC	>= 50 tpy but < 100 tpy
0NY998-00-0	VOC	>= 50 tpy but < 100 tpy
001330-20-7	XYLENE, M, O & P MIXT.	> 0 but < 10 tpy
001330-20-7	XYLENE, M, O & P MIXT.	> 0 but < 10 tpy

### NOTIFICATION OF GENERAL PERMITTEE OBLIGATIONS

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

An emergency constitutes an affirmative defense to an action brought 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 and/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;
- (3) During the period of the emergency the facility owner and/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 and/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.

(b) In any enforcement proceeding, the facility owner and/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 - 6NYCRR Part**

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 6NYCRR 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**

201-6.3(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.



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**Item D: Certification by a Responsible Official - 6 NYCRR Part**

201-6.3(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**

201-6.5(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 201-6.5(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 Part 201-6.5(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 Part 201-6.5(a)(6)**

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

**Item I: Severability - 6 NYCRR Part 201-6.5(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 201-6.5(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 201-6.5(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.
- 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



## Permit Review Report

Permit ID: 2-6107-00079/00009

Renewal Number: 1

11/19/2008

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 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		38	Powers and Duties of the Department with respect to air pollution control
FACILITY	40CFR 68	10	Chemical accident prevention provisions
FACILITY	40CFR 82-F	11	Protection of Stratospheric Ozone - recycling and emissions reduction
FACILITY	6NYCRR 200.6	9	Acceptable ambient air quality.
FACILITY	6NYCRR 200.7	22	
FACILITY	6NYCRR 201-1.4	39	Unavoidable noncompliance and violations
FACILITY	6NYCRR 201-1.7	13	
FACILITY	6NYCRR 201-1.8	14	Prohibition of reintroduction of collected contaminants to the air
FACILITY	6NYCRR 201-3.2 (a)	15	Exempt Activities - Proof of eligibility
FACILITY	6NYCRR 201-3.3 (a)	16	Trivial Activities - proof of eligibility
FACILITY	6NYCRR 201-6	25, 27, 28	Title V Permits and the Associated Permit Conditions
FACILITY	6NYCRR 201-6.5 (a) (4)	17	
FACILITY	6NYCRR 201-6.5 (a) (7)	3	
FACILITY	6NYCRR 201-6.5 (a) (8)	18	
FACILITY	6NYCRR 201-6.5 (c)	4	Permit conditions for Recordkeeping and Reporting of Compliance Monitoring
FACILITY	6NYCRR 201-6.5 (c) (2)	5	Permit conditions for Recordkeeping and Reporting of Compliance Monitoring
FACILITY	6NYCRR 201-6.5 (c) (3) (ii)	6	Permit conditions for Recordkeeping and Reporting of Compliance Monitoring
FACILITY	6NYCRR 201-6.5 (d) (5)	19	
FACILITY	6NYCRR 201-6.5 (e)	7	
FACILITY	6NYCRR 201-6.5 (f) (6)	20	
FACILITY	6NYCRR 202-1.1	12	
FACILITY	6NYCRR 202-2.1	1	Emission Statements - Applicability
FACILITY	6NYCRR 202-2.5	2	Emission Statements - record keeping requirements.
FACILITY	6NYCRR 211.2	40	General Prohibitions - air pollution prohibited.
FACILITY	6NYCRR 211.3	21	General Prohibitions - visible emissions



			limited
FACILITY	6NYCRR 215	8	
1-00BLR/-/OIL	6NYCRR 225-1.2 (a) (2)	37	Sulfur in Fuel Limitations Post 12/31/87.
FACILITY	6NYCRR 226	26	SOLVENT METAL CLEANING PROCESSES
FACILITY	6NYCRR 227-1.3	23	Smoke Emission Limitations.
FACILITY	6NYCRR 227-1.3 (a)	24	Smoke Emission Limitations.
1-00BLR	6NYCRR 227-2.4 (d)	36	RACT for Oxides of Nitrogen - small boilers.
1-000SC	6NYCRR 228.10	30	Handling, storage and disposal of VOCs
1-000SC	6NYCRR 228.5	29	Reports, recordkeeping, sampling and analysis
1-000SC/-/DIP	6NYCRR 228.7	31	
1-000SC/-/SC1	6NYCRR 228.7	32	
1-000SC/-/SC2	6NYCRR 228.7	33	
1-000SC/-/SC3	6NYCRR 228.7	34	
1-000SC/-/VPI	6NYCRR 228.7	35	

**Applicability Discussion:**

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

ECL 19-301.

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.

6NYCRR Part 200-6

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

6NYCRR Part 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

6NYCRR Part 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.

6NYCRR Part 201-1.7

Requires the recycle and salvage of collected air contaminants where practical

6NYCRR Part 201-1.8

Prohibits the reintroduction of collected air contaminants to the outside air

6NYCRR Part 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.

6NYCRR Part 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.

6NYCRR Part 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.

6NYCRR 201-6.5(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.

6NYCRR 201-6.5(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.

6NYCRR 201-6.5(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.

6NYCRR Part 201-6.5(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.

6NYCRR Part 201-6.5(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.

6NYCRR Part 201-6.5(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.

6NYCRR 201-6.5(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.

6NYCRR Part 201-6.5(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.

6NYCRR 201-6.5(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.

6NYCRR Part 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.

6NYCRR Part 202-2.1

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

6NYCRR Part 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.



6NYCRR Part 211-.2

This regulation prohibits any emissions of air contaminants to the outdoor atmosphere which may be detrimental to human, plant or animal life or to property, or which unreasonably interferes with the comfortable enjoyment of life or property regardless of the existence of any specific air quality standard or emission limit.

6 NYCRR Part 211.3

This condition requires that the opacity (i.e., the degree to which emissions other than water reduce the transmission of light) of the emissions from any air contamination source be less than 20 percent (six minute average) except for one continuous six-minute period per hour of not more than 57 percent.

6 NYCRR Part 215

Prohibits open fires at industrial and commercial sites.

40 CFR Part 68.

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

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, NYC-TA CONEY ISLAND YARD has been determined to be subject to the following regulations:

6NYCRR 225-1.2 (a) (2)

This regulation prohibits any person from selling, offering for sale, purchasing or using any fuel which contains sulfur in a quantity exceeding the limitations set forth in Table 1, Table 2, or Table 3 of this section.

6NYCRR 226

This regulation specifies the general requirements, equipment specifications and operating requirements for open-top vapor, conveyORIZED and cold cleaning degreasers.

6NYCRR 227-1.3

This regulation requires a limitation and compliance monitoring for opacity from a stationary combustion installation.

6NYCRR 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.

6NYCRR 227-2.4 (d)

This rule specifies that the reasonably available control technology (RACT) requirement for small boilers (< or = 50 million BTUs/hr) at Title V facilities consists of an annual tune-up.

6NYCRR 228 .10

This citation specifies the procedures and protocols for the handling, storage and disposal of volatile organic compounds.

6NYCRR 228 .5

The facility is required to maintain surface coating purchase, usage, VOC content of the surface coating and analysis results upon request by the department.

6NYCRR 228 .7

Table 1 lists the processes and a description of products that are regulated by Part 228 and the maximum permitted pounds of volatile organic compounds per gallon of coating at application.

**Compliance Certification**

Summary of monitoring activities at NYC-TA CONEY ISLAND YARD:

<b>Location Facility/EU/EP/Process/ES</b>	<b>Cond No.</b>	<b>Type of Monitoring</b>
FACILITY	6	record keeping/maintenance procedures
FACILITY	7	record keeping/maintenance procedures
FACILITY	1	record keeping/maintenance procedures
1-00BLR/-/OIL	37	work practice involving specific operations
FACILITY	26	record keeping/maintenance procedures
FACILITY	23	record keeping/maintenance procedures
FACILITY	24	monitoring of process or control device parameters as surrogate
1-00BLR	36	record keeping/maintenance procedures
1-000SC	30	record keeping/maintenance procedures
1-000SC	29	record keeping/maintenance procedures
1-000SC/-/DIP	31	work practice involving specific operations
1-000SC/-/SC1	32	work practice involving specific operations
1-000SC/-/SC2	33	work practice involving specific operations
1-000SC/-/SC3	34	work practice involving specific operations
1-000SC/-/VPI	35	work practice involving specific operations

**Basis for Monitoring**

(6 NYCRR 201-6.5(c)(3)(ii)): This facility-wide monitoring condition has been added to all Title V permits issued in New York State to clarify that all required monitoring reports are to be submitted at least every 6 months on a calendar year basis in order to comply with Title V requirements regardless of the reporting



requirement that may be listed for an individual permit monitoring condition. Any monitoring conditions that may have more frequent reporting requirements will remain in effect as displayed in the condition.

(6 NYCRR 201-6.5(e)): This facility-wide monitoring condition has been added in order to comply with the Title V annual compliance certification requirements and specify the mailing addresses for submitting the compliance reports.

(6 NYCRR 202-2.1): This facility-wide monitoring condition is a requirement for all Title V facilities. These facilities must submit an annual emission statement by April 15th of each year.

(6 NYCRR 225-1.2(a)(2)) is a facility level condition regarding the sulfur content of fuel oil used at the facility. The sulfur content must be determined by the seller. The facility must maintain a log of the sulfur content of oil on a per delivery basis.

( 6 NYCRR 226) This regulation requires compliance monitoring for the degreasing operation.

(6 NYCRR 227-1.3) & (6NYCRR 227-1.3(a)) These regulations require a limitation and compliance monitoring for opacity from a stationary combustion installation.

(6 NYCRR 227-2.4(d)) are the Emission Unit level conditions for NOx RACT limits for the category of small boilers. Compliance will be based on an annual boiler tune-up and keeping logs.

(6 NYCRR 228.10) This condition has been included to address the use of open containers. The intent of the requirement is to minimize fugitive emissions due to evaporation.

(6 NYCRR 228.2) This condition have been included to calculate the VOC content of the different paints used at the facility.

Conditions # 20 (6 NYCRR 228.4) These monitoring conditions have been added to address the visible emissions requirements of Part 228.

(6 NYCRR 228.5(a)) This condition have been added to address the record keeping of Part 228.

(6 NYCRR 228.7) These conditions have been included to monitor the VOC content of the different paints used at the facility.