



Facility Identification Data

Name: NYC-TA EAST NY BUS DEPOT & SHOPS
Address: 1 JAMAICA AVE
BROOKLYN, NY 11207

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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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

Application for renewal of Air Title V Facility.

Attainment Status

NYC-TA EAST NY BUS DEPOT & SHOPS 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 FACILITY IS A REPAIR AND MAINTENANCE FACILITY FOR SUBWAY CARS, BUSES, AND NON REVENUE VEHICLES. THE SOURCES AND OPERATIONS WHICH EMIT AIR POLLUTANTS AT THE FACILITY ARE CLASSIFIED AS EXEMPT OR TRIVIAL, EXCEPT THE PAINT SPRAY BOOTHS AND THE THREE STAT IONARY COMBUSTION UNITS WHICH ARE USED FOR HEATING MOST OF THE FACILITY. THERE ARE THREE PAINT BOOTHS USED FOR PAINTING BUSES, EACH HAS TWO STACKS. THE COMBUSTION UNITS BURN #6 FUEL OIL AND NATURAL GAS ARE EACH RATED AT 47.263 MMBTU/HR AND HAVE INDIVID UAL STACKS. THE FACILITY IS TO CAP EMISSIONS FROM THE BOILERS IN ORDER TO AVOID APPLICABILITY TO 6NYCRR PART 231. ACTUAL ANNUAL EMISSIONS WILL BE CAPPED AS PER 231-1.1(b)(3). THE EMISSIONS CAP WILL ALLOW THE UNITS TO AVIOD COMPLIANCE WITH 231-1 SOURCES EMITTING LESS THAN THE DE MINIU M EMISSIONS LEVELS IN 231-1.9 ARE NOT REGULATED [SEE 231-1.2(a)(3)]. THE PROCESS EMISSIONS SUMMARY ON PAGE 7 DETAILS EMISSIONS LIMITS FOR EACH PROCESS. THE METHOD FOR ENSURING COMPLIANCE WILL BE WORK PRACTICES WHICH RESTRICT THE AMOUNT OF FUELS BEING FIRED INTHE UNITS. CURRENT OPERATIONS PRODUCE EMISSIONS CONSIDERABLY BELOW THE DE MINIU M LEVELS FOR ALL CONTAMINANTS BEING CAPPED. THJEREFORE, THESE EMISSION LIMITS SHOULD NEVER BE EXCEEDED. RECORDS OF FUEL USAGE WILL BE MAINTAINED AND EMISSIONS WILL BE CALCULATED ON A MONTHLY BASIS TO ENSURE COMPLIANCE WITH THE CAP.

Permit Structure and Description of Operations

The Title V permit for NYC-TA EAST NY BUS DEPOT & SHOPS 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 EAST NY BUS DEPOT & SHOPS is defined by the following emission unit(s):
Emission unit B00001 - THREE BOILERS VENTING TO INDIVIDUAL STACKS COMPRISE THIS EMISSION UNIT. EACH BOILER IS CAPABLE OF FIRING #6 FUEL OIL AND NATURAL GAS AND IS RATED AT 47.263 MMBTU/HR. THE BOILERS AND EMISSION POINTS ARE LOCATED IN THE BOILER HOUSE.

Emission unit B00001 is associated with the following emission points (EP):
BH001, BH002, BH003

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

- Process: B01 is located at FIRST FLOOR, Building BH - FIRING #6 FUEL OIL IN THE THREE BOILERS.
- Process: B02 is located at FIRST FLOOR, Building BH - FIRING NATURAL GAS IN THE THREE BOILERS.

Emission unit EI0001 - Emergency Generators
2007 renewal, 2 more added. No emissions change than original emissions indicated.

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

- Process: EG1 is located at Building MAINT - Emergency Generators burning distillate oil

Emission unit GAS001 - GASOLINE DISPENSING STATION CONSISTING OF TWO DISPENSERS EQUIPPED WITH STAGE-I AND STAGE-II CONTROLS (EMISSION UNIT ID STAG11 AND STAG2); TWO DISPENSING PUMPS (EMISSION UNIT ID PUMP1 AND PUMP2); AND ONE GASOLINE STORAGE TANK (EMISSION UNIT ID TANK1). THE GASOLINE DISPENSING STATION WAS INSTALLED DECEMBER 1993.

Emission unit GAS001 is associated with the following emission points (EP):
GAS01, GAS02, GAS03

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

- Process: ST1 is located at Building DEPOT - FILLING UNDERGROUND GASOLINE STORAGE TANK EQUIPPED WITH STAGE I VAPOR CONTROL.
- Process: ST2 is located at Building DEPOT - GASOLINE REFUELING OF VEHICLES WITH STAGE II VAPOR CONTROL.
- Process: ST3 is located at Building DEPOT - VEHICLE FUELING SPILL LOSSES ASSOCIATED WITH GASOLINE DISPENSING.

Emission unit PB0001 - THERE ARE THREE PAINT BOOTHS WHICH COMPRISE THIS EMISSION UNIT. HOWEVER, DUE TO A LIMITED AIR SUPPLY, ONLY TWO BOOTHS ARE CAPABLE OF OPERATING AT ANY ONE TIME. EACH BOOTH HAS TWO WATER CURTAINS FOR CONTROL OF PARTICULATE



EMISSIONS. THE BOOTHS ARE USED FOR PAINTING BUSES.

Emission unit PB0001 is associated with the following emission points (EP):

PB001, PB002, PB003, PB004, PB005, PB006

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

Process: PB1 is located at FIRST FLOOR, Building PB - SPRAY PAINTING OF BUSES.

Process: PB2 is located at FIRST FLOOR, Building PB - PAINT GUN AND LINE SOLVENT CLEANING.

Title V/Major Source Status

NYC-TA EAST NY BUS DEPOT & SHOPS is subject to Title V requirements. This determination is based on the following information:

This is a major source based on its Potential to emit Oxides of Nitrogen.

Program Applicability

The following chart summarizes the applicability of NYC-TA EAST NY BUS DEPOT & SHOPS 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)	NO
NSPS	YES
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 out of compliance with specific requirements (see attached compliance schedule)
Compliance Schedule:

Location Facility/EU/EP/Process/ES FACILITY	Regulation 6NYCRR 201-6	Short Description Title V Permits and the Associated Permit Conditions

**Compliance Discussion:**

NYC-TA EAST NY BUS DEPOT & SHOPS is in violations of the following requirement(s): The facility is required to adhere to compliance schedule of the consent order # R2-20070614-256.

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
4119	LOCAL PASSENGER TRANSPORTATION

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**

1-03-006-02	EXTERNAL COMBUSTION BOILERS - COMMERCIAL/INDUSTRIAL COMMERCIAL/INSTITUTIONAL BOILER - NATURAL GAS 10-100 MMBtu/Hr
1-03-004-01	EXTERNAL COMBUSTION BOILERS - COMMERCIAL/INDUSTRIAL COMMERCIAL/INSTITUTIONAL BOILER - RESIDUAL OIL Grade 6 Oil
4-02-016-01	SURFACE COATING OPERATIONS SURFACE COATING OPERATIONS - AUTOMOBILES AND LIGHT TRUCKS
4-06-006-02	Prime Application/Electro-Deposition/Dip/Spray TRANSPORTATION AND MARKETING OF PETROLEUM PRODUCTS CONSUMER (CORPORATE) FLEET REFUELING - STAGE II LIQUID SPILL LOSS W/O CONTROLS
4-06-006-03	TRANSPORTATION AND MARKETING OF PETROLEUM PRODUCTS CONSUMER (CORPORATE) FLEET REFUELING - STAGE II VAPOR LOSS W/CONTROLS
4-06-004-01	TRANSPORTATION AND MARKETING OF PETROLEUM PRODUCTS FILLING VEHICLE GAS TANKS - STAGE II Vapor Loss w/o Controls
3-14-015-62	TRANSPORTATION EQUIPMENT TRANSPORTATION EQUIPMENT - BOAT MANUFACTURING CLEANUP: SPRAY GUNS

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
000630-08-0	CARBON MONOXIDE	188581	G
007440-47-3	CHROMIUM	453093	Y
007440-48-4	COBALT	80177	Y
0NY100-00-0	HAP	pteyear	B
001333-74-0	HYDROGEN	pteyear	A
007439-92-1	LEAD	pteyear	Y
007439-96-5	MANGANESE	pteyear	Y
007440-02-0	NICKEL METAL AND INSOLUBLE COMPOUNDS		pteyear
0NY210-00-0	OXIDES OF NITROGEN	pteyear	
0NY075-00-0	PARTICULATES	pteyear	
0NY075-00-5	PM-10	pteyear	F
007446-09-5	SULFUR DIOXIDE	pteyear	
0NY998-00-0	VOC	pteyear	F

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.

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 - 6NYCRR 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 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		67	Powers and Duties of the Department with respect to air pollution control
B-00001	40CFR 60-Dc.40c	39	Steam generators 10-100 million Btu per hour
B-00001	40CFR 60-Dc.43c (c)	40	Emission Monitoring for Particulate Matter.
B-00001	40CFR 60-Dc.47c	41, 42	
B-00001	40CFR 60-Dc.48c (i)	43	Reporting and Recordkeeping Requirements.
FACILITY	40CFR 68	21	Chemical accident prevention provisions
FACILITY	40CFR 82-B	34	Protection of Stratospheric Ozone -



Permit Review Report

Permit ID: 2-6105-00262/00009

Renewal Number: 1

05/19/2008

FACILITY	40CFR 82-F	22	servicing of motor vehicle air conditioners
FACILITY	6NYCRR 200.6	1	Protection of Stratospheric Ozone - recycling and emissions reduction
FACILITY	6NYCRR 200.7	10	Acceptable ambient air quality.
FACILITY	6NYCRR 201-1.4	68	Unavoidable noncompliance and violations
FACILITY	6NYCRR 201-1.7	11	Prohibition of reintroduction of collected contaminants to the air
FACILITY	6NYCRR 201-1.8	12	Exempt Activities - Proof of eligibility
FACILITY	6NYCRR 201-3.2 (a)	13	Trivial Activities - proof of eligibility
FACILITY	6NYCRR 201-3.3 (a)	14	Title V Permits and the Associated Permit Conditions
FACILITY	6NYCRR 201-6	23, 24, 35, 36	
FACILITY	6NYCRR 201-6.5 (a) (4)	15	Permit conditions for Recordkeeping and Reporting of Compliance Monitoring
FACILITY	6NYCRR 201-6.5 (a) (7)	2	
FACILITY	6NYCRR 201-6.5 (a) (8)	16	
FACILITY	6NYCRR 201-6.5 (c)	3	Permit conditions for Recordkeeping and Reporting of Compliance Monitoring
FACILITY	6NYCRR 201-6.5 (c) (2)	4	Permit conditions for Recordkeeping and Reporting of Compliance Monitoring
FACILITY	6NYCRR 201-6.5 (c) (3) (ii)	5	Permit conditions for Recordkeeping and Reporting of Compliance Monitoring
FACILITY	6NYCRR 201-6.5 (d) (5)	17	
FACILITY	6NYCRR 201-6.5 (e)	6	
FACILITY	6NYCRR 201-6.5 (f) (6)	18	
FACILITY	6NYCRR 202-1.1	19	
FACILITY	6NYCRR 202-2.1	7	Emission Statements - Applicability
FACILITY	6NYCRR 202-2.5	8	Emission Statements - record keeping requirements.
FACILITY	6NYCRR 211.2	69	General Prohibitions - air pollution prohibited.
FACILITY	6NYCRR 211.3	20	General Prohibitions - visible emissions limited
FACILITY	6NYCRR 211.4	25	General Prohibitions - volatile organic compounds prohibited.
FACILITY	6NYCRR 215	9	
FACILITY	6NYCRR 225.1 (a) (3)	26	Sulfur in Fuel Limitations (SIP)
FACILITY	6NYCRR 226	27	SOLVENT METAL CLEANING PROCESSES
B-00001	6NYCRR 227.2 (b) (1)	38	
E-I0001	6NYCRR 227.2 (b) (1)	50	
B-00001	6NYCRR 227-1.3	37	Smoke Emission Limitations.
FACILITY	6NYCRR 227-1.3 (a)	28	Smoke Emission Limitations.
B-00001/-/B01/OBLR1	6NYCRR 227-2.4 (d)	44	RACT for Oxides of Nitrogen - small boilers.
B-00001/-/B01/OBLR2	6NYCRR 227-2.4 (d)	45	RACT for Oxides of Nitrogen - small boilers.



**Permit Review Report
Renewal Number: 1**

Permit ID: 2-6105-00262/00009

05/19/2008

B-00001/-/B01/0BLR3	6NYCRR 227-2.4 (d)	46		RACT for Oxides of Nitrogen - small boilers.
B-00001/-/B02/0BLR1	6NYCRR 227-2.4 (d)	47		RACT for Oxides of Nitrogen - small boilers.
B-00001/-/B02/0BLR2	6NYCRR 227-2.4 (d)	48		RACT for Oxides of Nitrogen - small boilers.
B-00001/-/B02/0BLR3	6NYCRR 227-2.4 (d)	49		RACT for Oxides of Nitrogen - small boilers.
FACILITY	6NYCRR 228.1 (a)	29		
FACILITY	6NYCRR 228.10	31		Handling, storage and disposal of VOCs
P-B0001	6NYCRR 228.2	57		
P-B0001	6NYCRR 228.3 (a)	58		Recordkeeping, reports for VOCs
P-B0001	6NYCRR 228.4	59		
P-B0001	6NYCRR 228.5 (a)	60		VOC recordkeeping by the facility
P-B0001	6NYCRR 228.5 (b)	61		
P-B0001	6NYCRR 228.5 (d)	62		Department Access to Obtain Samples
FACILITY	6NYCRR 228.6	30		
P-B0001	6NYCRR 228.8	63, 64, 65, 66		
FACILITY	6NYCRR 230.2 (b)	32		New tanks after 1/1/79 in NYCMA require Stage I Stage I and II required for new tanks after 6/27/87 in NYCMA
G-AS001	6NYCRR 230.2 (d) (1)	51		
G-AS001	6NYCRR 230.2 (f)	52		
G-AS001	6NYCRR 230.2 (g)	53		
FACILITY	6NYCRR 230.2 (k)	33		
G-AS001	6NYCRR 230.2 (k)	54, 55		
G-AS001	6NYCRR 230.5 (d)	56		Gasoline dispensing sites - recordkeeping and reporting.

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 EAST NY BUS DEPOT & SHOPS has been determined to be subject to the following regulations:

40CFR 60-Dc.40c

This regulation requires the source owner or operator to comply with the applicable General Provisions of 40 CFR



60 Subpart Dc. The facility owner is responsible for reviewing these general provisions in detail and complying with all applicable technical, administrative and reporting requirements.

40CFR 60-Dc.43c (c)

This regulation requires that on or after the date on which the initial performance test is completed or is required to be completed, an affected facility that combusts coal, wood, or oil and has a heat input of 30 million Btu per hour (8.7 MW) or greater, shall not cause any gases to be discharged to the atmosphere, that exhibit an opacity greater than 20% (based on a 6-minute average) or exceeds 27% for one 6-minute period per hour.

40CFR 60-Dc.47c

This regulation requires that all continuous emissions monitors measuring opacity to be operated in accordance with Appendix B of this part 40 CFR 60.

40CFR 60-Dc.48c (i)

This regulation requires the source owner or operator to retain all records for a minimum of two years for compliance with the NSPS. This does not supercede any requirement that is more stringent, including the Title V requirement to maintain records for for a minimum of 5 years.

40CFR 82-B

Subpart B of 40 CFR Part 82 implements section 609 of the Clean Air Act Amendments of 1990, as regarding the servicing of motor vehicle air conditioners (MVACs). It also implements section 608 of the Act regarding certain servicing, maintenance, repair and disposal of air conditioners in MVACs and MVAC-like appliances. The regulation applies to any person performing service on a motor vehicle as it involves the refrigerant in the motor vehicle air conditioner.

6NYCRR 211 .4

This condition requires that the use of Volatile Organic Compounds to liquefy asphalt used for paving be prohibited, except under certain situations and during the winter months.

6NYCRR 225 .1 (a) (3)

This regulation limits the amount of sulfur that can be in fuel burned at a stationary source. It references Table 1 of the 1979 version of the sulfur in fuel limitations expressed in terms of percent by weight for fuel oil and pounds per million Btu gross heat content for solid fuel. **NOTE: This citation has been replaced by requirements cited under 225-1.2(a)(2) and is no longer part of current State regulations, however, it remains part of New York State's approved State Implementation Plan (SIP).**

6NYCRR 226

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

6NYCRR 227 .2 (b) (1)

This regulation is from the 1972 version of Part 227 and still remains as part of New York's SIP. The rule establishes a particulate limit of 0.10 lbs/mmBtu based on a 2 hour average emission for any oil fired stationary combustion installation.

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 .1 (a)

This citation requires owners or operators of facilities containing a regulated coating line, to apply for an appropriate permit or registration; and specifies the information to be submitted with that application.

6NYCRR 228 .10

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

6NYCRR 228 .2

This citation specifies the formula used to calculate the maximum permitted pounds of volatile organic compound per gallon of coating specified in tables 1 and 2 of 6 NYCRR Part 228.

6NYCRR 228 .3 (a)

This citation prohibits the use of coatings that exceed the maximum permitted pounds of volatile organic compounds per gallon, unless a coating system meeting certain requirements is used.

6NYCRR 228 .4

This citation prohibits any person from emitting (or to allow emissions) to the outdoor atmosphere having an average opacity of 20 percent or greater for any consecutive six-minute period from any emission source subject to this Part.

6NYCRR 228 .5 (a)

This citation requires the owner or operator of any emission source subject to 6 NYCRR Part 228 to maintain and, upon request, provide the Department with a certification from the coating supplier/manufacturer which verifies the parameters used to determine the actual volatile organic compound (VOC) content of each as applied coating. In addition it requires the purchase, usage and/or production records of the coating material, including solvents and any additional information required to determine compliance with Part 228, to be maintained in a format acceptable to the Department; and upon request, submitted to the Department.

6NYCRR 228 .5 (b)

This citation requires the owner and operator of any emission source subject to Part 228 to, upon request by the Department, use Method 311 or Method 24 as presented in Appendices A of both 40 CFR Parts 63 and 60, to measure the volatile content, water content, density, volume of solids and weight of solids in order to determine the actual VOC content of an applied coating during a compliance demonstration.

6NYCRR 228 .5 (d)

This citation allows representatives of the Department to obtain coating samples during reasonable business hours, for the purpose of determining compliance.

6NYCRR 228 .6

This prohibits the selling, specifying, or requiring for use, coatings at a facility with a regulated coating line if such use is prohibited by any of the provisions of Part 228. The prohibition applies to all written or oral



contracts under the terms of which any coating is to be used at an affected facility.

6NYCRR 228 .8

Table 2 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.

6NYCRR 230 .2 (b)

This regulation requires gasoline tanks greater than or equal to 250 gallons and installed after January 1, 1979 to install Stage I vapor collection systems in the New York City Metropolitan Area.

6NYCRR 230 .2 (d) (1)

This regulation requires Stage I and Stage II vapor collection systems at any gasoline dispensing site located in the New York City Metropolitan Area which were constructed, replaced, or substantially modified after June 27, 1987, regardless of the annual gasoline throughput at the site. Stage I vapor collection systems are systems where the gasoline vapors are forced from the gasoline storage tank back into the gasoline transport vehicle or a vapor control system through direct displacement by the gasoline being loaded.

6NYCRR 230 .2 (f)

Owners and/or operators of gasoline storage tanks, vehicles, and dispensing stations required to install stage 1 and/or stage 2 vapor recovery equipment must meet these provisions. The provisions include training, correct operation, replacement, and repair of personnel and equipment.

6NYCRR 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.

6NYCRR 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 leak test criteria requirements are given in 6 NYCRR Part 230.2(k).

6NYCRR 230 .5 (d)

This regulation requires the owner or operators of gasoline dispensing sites that are required to perform tests of the Stage II systems to submit the results of these tests to the Department within 30 days of the test. Copies of the test results must be maintained at the dispensing location as well.

Compliance Certification

Summary of monitoring activities at NYC-TA EAST NY BUS DEPOT & SHOPS:

Location Facility/EU/EP/Process/ES	Cond No.	Type of Monitoring
B-00001	40	monitoring of process or control device parameters as surrogate
B-00001	43	record keeping/maintenance procedures
FACILITY	5	record keeping/maintenance procedures
FACILITY	6	record keeping/maintenance procedures
FACILITY	7	record keeping/maintenance



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FACILITY	26	procedures work practice involving specific operations
FACILITY	27	record keeping/maintenance procedures
B-00001	38	intermittent emission testing
E-I0001	50	intermittent emission testing
B-00001	37	record keeping/maintenance procedures
FACILITY	28	monitoring of process or control device parameters as surrogate
B-00001/-/B01/OBLR1	44	record keeping/maintenance procedures
B-00001/-/B01/OBLR2	45	record keeping/maintenance procedures
B-00001/-/B01/OBLR3	46	record keeping/maintenance procedures
B-00001/-/B02/OBLR1	47	record keeping/maintenance procedures
B-00001/-/B02/OBLR2	48	record keeping/maintenance procedures
B-00001/-/B02/OBLR3	49	record keeping/maintenance procedures
FACILITY	31	record keeping/maintenance procedures
P-B0001	57	record keeping/maintenance procedures
P-B0001	59	record keeping/maintenance procedures
P-B0001	60	record keeping/maintenance procedures
P-B0001	63	work practice involving specific operations
P-B0001	64	work practice involving specific operations
P-B0001	65	work practice involving specific operations
P-B0001	66	work practice involving specific operations
G-AS001	53	record keeping/maintenance procedures
FACILITY	33	record keeping/maintenance procedures
G-AS001	54	record keeping/maintenance procedures
G-AS001	55	monitoring of process or control device parameters as surrogate
G-AS001	56	record keeping/maintenance procedures

Basis for Monitoring

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