



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

Permit ID: 2-6101-00042/00011

Renewal Number: 1

Modification Number: 1 11/03/2009

Facility Identification Data

Name: CON EDISON - HUDSON AVE STATION

Address: 1 HUDSON AVE
BROOKLYN, NY 11201

Owner/Firm

Name: CONSOLIDATED EDISON COMPANY OF NEW YORK INC

Address: 4 IRVING PL RM 828
NEW YORK, NY 10003-3502, USA

Owner Classification: Corporation/Partnership

Permit Contacts

Division of Environmental Permits:

Name: ELIZABETH A CLARKE

Address: NYSDEC
47-40 21ST ST
LONG ISLAND CITY, NY 11101-5407
Phone:7184824997

Division of Air Resources:

Name: DIANA MENASHA
Address: NYSDEC REGION 2 OFFICE
HUNTERS POINT PLAZA
LONG ISLAND CITY, NY 11101
Phone:7184827263

Air Permitting Contact:

Name: FEMI OGUNSOLA
Address: CONSOLIDATED EDISON CO OF NY INC
4 IRVING PL - RM 828
NEW YORK, NY 10003-3502
Phone:2124601223

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

This project involves the Department's modification of the Air Title V Permit Renewal 1 for to include conditions recently promulgated under regulations 6 NYCRR Parts 243. This regulation requires facilities to obtain/possess at least as many allocations of oxides of nitrogen (NOx) as they emit into the atmosphere



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

Permit ID: 2-6101-00042/00011

Renewal Number: 1

Modification Number: 1 11/03/2009

during a specified period of time. An allocation is a unit of pollution which is limited by a budget established by this regulation. The Department developed this regulation in response to the United States Environmental Protection Agencies (EPA's) recent Clean Air Interstate Rule (CAIR). The regulation is included in New York's State Implementation Plan (SIP) which has been approved by EPA as required by the Clean Air Act of 1990.

This project is a major modification to place the applicable Clean Air Interstate Rule (CAIR) rules in Con Edison - Hudson Ave Station's Title V permit. The permit conditions for the CAIR NOx Ozone Season Trading Program, 6 NYCRR 243 is added to the permit modification. This regulation replaces Part 204 in the year 2009 and reduces the state-wide ozone-season NOX allocation by 335 in the year 2015 compared with the current Part 204 allocation. The permit conditions include emission monitoring, record keeping, reporting and certification requirements are added to the permit.

The conditions for the following regulations have been added to the Air Title V Permit Renewal 1:

- 243-1.6(a)
- 243-1.6(b)
- 243-1.6(c)
- 243-1.6(d)
- 243-1.6(e)
- 243-2.1
- 243-2.4
- 243-8.1
- 243-8.3
- 243-8.5(d)

Attainment Status

CON EDISON - HUDSON AVE STATION 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:



New York State Department of Environmental Conservation
Permit Review Report

Permit ID: 2-6101-00042/00011

Renewal Number: 1

Modification Number: 1 11/03/2009

Consolidated Edison Hudson Avenue Station in Brooklyn, New York, is an electricity and steam generating facility. The facility operates the following two emission units:

Emission Unit H-A0001 consists of four very large boilers, Boilers 71, 72, 81, and 82 (Emission Sources 00071, 00072, 00081 & 00082, respectively), which are also face fired. Boiler 82 (Emission Source 00082) is rated at 664 MMBTU/hr, and the other three boilers are rated at 688 MMBTU/hr. The four boilers began operating on 12/1/1932. These four boilers can combust residual oil (Process ROL), distillate oil as igniter fuel, residual oil and a fuel additive (prior to combustion) to improve boiler operation (Process ROF), and have kerosene ignition capability. These boilers may also have natural gas capability in the future. The emissions from these four very large boilers exhaust through one common stack, identified as Emission Point 00004.

Emission Unit H-A0005 consists of three simple cycle combustion turbines (Emission Sources GT003, GT004 & GT005) utilized to generate electricity. These three combustion turbines are rated at 235 MM Btu/hr each. The three combustion turbines began operating on 7/1/1970. The three combustion turbines burn distillate fuel oil (Process GTD) only. Combustion turbine No. 3 (Emission Source GT003) is equipped with a diesel starter engine. The emissions from each of these three combustion turbines (Emission Sources GT003, GT004 & GT005) exhaust through its own separate stack, identified as Emission Points GT003, GT004 & GT005, respectively.

Boiler 100 was shut down on September 18, 2004, and the Annex emergency generator is not operational after the shut down of Boiler 100. All the conditions pertaining to Boiler 100 and the emergency generator have been removed from the permit.

The facility operates other sources which are considered exempt from permitting in accordance with 6 NYCRR 201-3.2(c), including two (2) emergency power generators (<500 hrs/yr), seven (7) distillate and residual fuel oil storage tanks with storage capacities <300,000 bbls, and one (1) ventilating and exhaust system for laboratory operations.

Permit Structure and Description of Operations

The Title V permit for CON EDISON - HUDSON AVE STATION

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.

CON EDISON - HUDSON AVE STATION is defined by the following emission unit(s):



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

Permit ID: 2-6101-00042/00011

Renewal Number: 1

Modification Number: 1 11/03/2009

Emission unit HA0001 - Emission Unit H-A0001 consists of four very large boilers, Boilers 71, 72, 81, and 82 (Emission Sources 00071, 00072, 00081 & 00082, respectively), which are also face fired. Boiler 82 (Emission Source 00082) is rated at 664 MMBTU/hr, and the other three boilers are rated at 688 MMBTU/hr. These four boilers can combust residual oil (Process ROL), distillate oil as igniter fuel, residual oil and a fuel additive may be mixed into the residual oil prior to combustion to improve boiler operation (Process ROF), and have kerosene ignition capability. These boilers may also have natural gas capability in the future.

The emissions from these four very large boilers exhaust through one common stack, identified as Emission Point 00004.

Emission unit HA0001 is associated with the following emission points (EP):
00004

Process: ROF is located at Building BOILERHS - Process ROF consists of the combustion of residual oil in the four face fired boilers, Boilers 71, 72, 81 & 82 (Emission Sources 00071, 00072, 00081 & 00082) in Emission Unit H-A0001. One of these four boilers is rated at 664 MM Btu/hr (Emission Source 00082), and the other three boilers are rated at 688 MM Btu/hr (Emission Sources 00071, 00072 & 00081). This process covers combustion of residual oil in these four boilers, and to improve boiler operation, a fuel additive may be mixed into the residual oil prior to combustion. These boilers have kerosene ignition.

The emissions from these four very large boilers exhaust through one common stack identified as Emission Point 00004.

Process: ROL is located at Floor 1, Building BOILERHS -

Process: ROL is located at Floor 1, Building BOILERHS - Process ROL consists of the combustion of residual oil in the four face fired boilers, Boilers 71, 72, 81 & 82 (Emission Sources 00071, 00072, 00081 & 00082) in Emission Unit H-A0001. One of these four boilers is rated at 664 MM Btu/hr (Emission Source 00082), and the other three boilers are rated at 688 MM Btu/hr (Emission Sources 00071, 00072 & 00081). This process covers combustion of residual oil in these four boilers. These four boilers have kerosene ignition capability. These boilers may also have natural gas capability in the future.

The emissions from these four very large boilers exhaust through one common stack identified as Emission Point 00004.

Process: GTD is located at Floor 1, Building GTFAC -

Emission unit HA0005 - Emission Unit H-A0005 consists of three simple cycle combustion turbines (Emission Sources GT003, GT004 & GT005) utilized to generate electricity. These three combustion turbines are rated at 235 MM Btu/hr each. The three combustion turbines burn distillate fuel oil (Process GTD) only. Combustion turbine No. 3 (Emission Source GT003) is equipped with a diesel stater engine.

The emissions from each of these three combustion turbines (Emission Sources GT003, GT004 & GT005) exhaust through its own separate stack, identified as Emission Points GT003, GT004 & GT005, respectively.



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

Permit ID: 2-6101-00042/00011

Renewal Number: 1

Modification Number: 1 11/03/2009

Emission unit HA0005 is associated with the following emission points (EP):
GT003, GT004, GT005

Process: GTD is located at Floor 1, Building GTFAC - Process GTD is the combustion of distillate fuel oil in the three simple cycle combustion turbines (Emission Sources GT003, GT004 & GT005) in Emission Unit H-A0005 to generate electricity. These three combustion turbines are rated at 235 MM Btu/hr each and burn distillate fuel oil only. Combustion turbine No. 3 (Emission Source GT003) is equipped with a diesel stater engine.

The emissions from each of these three combustion turbines (Emission Sources GT003, GT004 & GT005) exhaust through its own separate stack, identified as Emission Points GT003, GT004 & GT005, respectively.

emis_process_desc

Title V/Major Source Status

CON EDISON - HUDSON AVE STATION is subject to Title V requirements. This determination is based on the following information:

Consolidated Edison Hudson Avenue Generating Station is a major facility because the potential emissions of carbon monoxide, nitrogen oxides, sulfur dioxide, total HAPS and particulate matter are greater than the major source thresholds (100 tons/year for carbon monoxide, 25 tons per year for nitrogen oxides and total HAPS, and 100 tons/year for sulfur dioxide and particulate matter.).major_src_status

Program Applicability

The following chart summarizes the applicability of CON EDISON - HUDSON AVE STATION 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	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.



New York State Department of Environmental Conservation
Permit Review Report

Permit ID: 2-6101-00042/00011

Renewal Number: 1

Modification Number: 1 11/03/2009

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



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

Permit ID: 2-6101-00042/00011

Renewal Number: 1

Modification Number: 1 11/03/2009

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

4911	ELECTRIC SERVICES
4931	ELEC & OTHER SERVICES COMBINED
4961	STEAM SUPPLY

SCC Codes

SCC or Source Classification Code is a code developed and used" by the USEPA to categorize processes which result in air emissions for the purpose of assessing emission factor information.Each SCC represents

a unique process or function within a source category logically associated with a point of air pollution emissions. Any operation that causes air pollution can be represented by one or more SCC's.

SCC Code

Description

1-01-004-01	EXTERNAL COMBUSTION BOILERS - ELECTRIC GENERATION ELECTRIC UTILITY BOILER - RESIDUAL OIL Grade 6 Oil: Normal Firing
2-01-001-01	INTERNAL COMBUSTION ENGINES - ELECTRIC GENERATION ELECTRIC UTILITY INTERNAL COMBUSTION ENGINE - DISTILLATE OIL (DIESEL) Turbine

Facility Emissions Summary

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

New York State Department of Environmental Conservation
Permit Review Report



Permit ID: 2-6101-00042/00011

Renewal Number: 1

Modification Number: 1 11/03/2009

Cas No.	Contaminant Name	PTE	
		lbs/yr	Range
000106-99-0	1,3-BUTADIENE	> 0	but < 10 tpy
000075-07-0	ACETALDEHYDE	> 0	but < 10 tpy
000107-02-8	ACROLEIN	> 0	but < 10 tpy
007440-36-0	ANTIMONY	> 0	but < 10 tpy
007440-38-2	ARSENIC	> 0	but < 10 tpy
000071-43-2	BENZENE	> 0	but < 10 tpy
007440-41-7	BERYLLIUM	> 0	but < 10 tpy
007440-43-9	CADMIUM	> 0	but < 10 tpy
000630-08-0	CARBON MONOXIDE	>= 100 tpy	but < 250 tpy
016065-83-1	CHROMIUM (III)	> 0	but < 10 tpy
007440-48-4	COBALT	> 0	but < 10 tpy
016984-48-8	FLUORIDE	> 0	but < 2.5 tpy
000050-00-0	FORMALDEHYDE	> 0	but < 10 tpy
0NY100-00-0	HAP	>= 100 tpy	but < 250 tpy
007647-01-0	HYDROGEN CHLORIDE	>= 10	tpy
007439-92-1	LEAD	> 0	but < 10 tpy
007439-96-5	MANGANESE	> 0	but < 10 tpy
007439-97-6	MERCURY	> 0	but < 10 tpy
000091-20-3	NAPHTHALENE	> 0	but < 10 tpy
007440-02-0	NICKEL METAL AND INSOLUBLE COMPOUNDS	>= 10	tpy
0NY210-00-0	OXIDES OF NITROGEN	>= 250	tpy
0NY075-00-0	PARTICULATES	>= 100 tpy	but < 250 tpy
007723-14-0	PHOSPHORUS (YELLOW)	> 0	but < 10 tpy
0NY075-00-5	PM-10	>= 100 tpy	but < 250 tpy
130498-29-2	POLYCYCLIC AROMATIC HYDROCARBONS	> 0	but < 10 tpy
007782-49-2	SELENIUM	> 0	but < 10 tpy
007446-09-5	SULFUR DIOXIDE	>= 250	tpy
007664-93-9	SULFURIC ACID	>= 100 tpy	but < 250 tpy
000108-88-3	TOLUENE	> 0	but < 10 tpy
0NY998-00-0	VOC	>= 10	tpy but < 25 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



New York State Department of Environmental Conservation
Permit Review Report

Permit ID: 2-6101-00042/00011

Renewal Number: 1

Modification Number: 1 11/03/2009

(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.



New York State Department of Environmental Conservation
Permit Review Report

Permit ID: 2-6101-00042/00011

Renewal Number: 1

Modification Number: 1 11/03/2009

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.

New York State Department of Environmental Conservation
Permit Review Report



Permit ID: 2-6101-00042/00011

Renewal Number: 1

Modification Number: 1 11/03/2009

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

New York State Department of Environmental Conservation
Permit Review Report



Permit ID: 2-6101-00042/00011

Renewal Number: 1

Modification Number: 1 11/03/2009

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

Regulatory Analysis

Location Facility/EU/EP/Process/ES	Regulation	Condition	Short Description
--			
FACILITY	ECL 19-0301	56	Powers and Duties of the Department with respect to air pollution control
FACILITY	40CFR 68	21	Chemical accident prevention provisions
FACILITY	40CFR 82-F	22	Protection of Stratospheric Ozone - recycling and emissions reduction
FACILITY	6NYCRR 200.3	23	False Statement.
FACILITY	6NYCRR 200.6	1	Acceptable ambient air quality.
FACILITY	6NYCRR 200.7	10	Maintenance of equipment.
FACILITY	6NYCRR 201-1.4	1 -14	Unavoidable noncompliance and violations
FACILITY	6NYCRR 201-1.7	11	Recycling and Salvage
FACILITY	6NYCRR 201-1.8	12	Prohibition of reintroduction of collected contaminants to the air
FACILITY	6NYCRR 201-3.2 (a)	13	Exempt Activities - Proof of eligibility
FACILITY	6NYCRR 201-3.3 (a)	14	Trivial Activities - proof of eligibility
FACILITY	6NYCRR 201-6	24, 44, 45	Title V Permits and the Associated Permit Conditions
FACILITY	6NYCRR 201-6.5 (a) (4)	15	General conditions
FACILITY	6NYCRR 201-6.5 (a) (7)	2	General conditions Fees
FACILITY	6NYCRR 201-6.5 (a) (8)	16	General conditions
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	Compliance schedules
FACILITY	6NYCRR 201-6.5 (e)	6	Compliance Certification
H-A0001	6NYCRR 201-6.5 (e)	46	Compliance Certification
FACILITY	6NYCRR 201-6.5 (f) (6)	18	Off Permit Changes



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

Permit ID: 2-6101-00042/00011

Renewal Number: 1

Modification Number: 1 11/03/2009

FACILITY	6NYCRR 202-1.1	19	Required emissions tests.
FACILITY	6NYCRR 202-2.1	7	Emission Statements - Applicability
FACILITY	6NYCRR 202-2.5	8	Emission Statements - record keeping requirements.
FACILITY	6NYCRR 204-2.1	25	Authorization and Responsibilities of the NOx Authorized Account
FACILITY	6NYCRR 204-4.1	26	Representative Compliance
FACILITY	6NYCRR 204-7.1	27	Certification Report Submission of NOx Allowance Transfers
FACILITY	6NYCRR 204-8.1	28	General Requirements
FACILITY	6NYCRR 204-8.2	29, 30	Initial Certification and Recertification Procedures
FACILITY	6NYCRR 204-8.3	31	Out of Control Periods
FACILITY	6NYCRR 204-8.4	32	Notifications
FACILITY	6NYCRR 204-8.7	33	Additional Requirements to Provide Heat Input Data for Allocations Purposes
FACILITY	6NYCRR 207.3(d)	34	Episode actions
FACILITY	6NYCRR 211.2	1 -15	General Prohibitions - air pollution prohibited.
FACILITY	6NYCRR 211.3	20	General Prohibitions - visible emissions limited
FACILITY	6NYCRR 215	9	Open Fires
FACILITY	6NYCRR 225.7(a)	41	Reports, Sampling and Analysis
FACILITY	6NYCRR 225-1.2(a)(2)	35, 36	Sulfur in Fuel Limitations Post 12/31/87.
FACILITY	6NYCRR 225-1.4	37	Exceptions contingent upon fuel shortage.
FACILITY	6NYCRR 225-1.7(c)	38	Emission and fuel monitoring.
FACILITY	6NYCRR 225-1.8(a)	39	Reports, sampling and analysis.
FACILITY	6NYCRR 225-1.8(d)	40	Reports, sampling, and analysis
H-A0005/-/GTD/GT003	6NYCRR 227.2(b)(1)	50	Particulate emissions.
H-A0005/-/GTD/GT004	6NYCRR 227.2(b)(1)	51	Particulate emissions.
H-A0005/-/GTD/GT005	6NYCRR 227.2(b)(1)	52	Particulate emissions.
H-A0001/-/ROL	6NYCRR 227-1.2(a)(1)	48	Particulate Emissions from Liquid Fuels.
FACILITY	6NYCRR 227-1.3	1 -1	Smoke Emission Limitations.
H-A0001	6NYCRR 227-1.3	47	Smoke Emission Limitations.
H-A0005/GT003	6NYCRR 227-1.3(a)	53	Smoke Emission Limitations.
H-A0005/GT004	6NYCRR 227-1.3(a)	54	Smoke Emission



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

Permit ID: 2-6101-00042/00011

Renewal Number: 1

Modification Number: 1 11/03/2009

H-A0005/GT005	6NYCRR 227-1.3 (a)	55	Limitations. Smoke Emission Limitations.
FACILITY	6NYCRR 227-2.5 (b)	43	System-wide averaging option.
H-A0005	6NYCRR 227-2.6 (c)	49	Stack Test Requirements.
FACILITY	6NYCRR 243-1.6 (a)	1 -2	Permit Requirements - CAIR NOx Ozone Season Trading Program
FACILITY	6NYCRR 243-1.6 (b)	1 -3	Monitoring Requirements - CAIR NOx Ozone Season Trading Program
FACILITY	6NYCRR 243-1.6 (c)	1 -4	NOx Ozone Season Emission Requirements - CAIR NOx Ozone Season Trading Program
FACILITY	6NYCRR 243-1.6 (d)	1 -5	Excess Emission Requirements - CAIR NOx Ozone Season Trading Program
FACILITY	6NYCRR 243-1.6 (e)	1 -6	Recordkeeping and reporting requirements - CAIR NOx Ozone Season Trading Program
FACILITY	6NYCRR 243-2.1	1 -7	Authorization and responsibilities - CAIR Designated Representative Certificate of representation - CAIR Designated Representative General Requirements - Monitoring and Reporting
FACILITY	6NYCRR 243-2.4	1 -8	
FACILITY	6NYCRR 243-8.1	1 -9, 1 -10	
FACILITY	6NYCRR 243-8.3	1 -11	Out of control periods - Monitoring and Reporting
FACILITY	6NYCRR 243-8.5 (d)	1 -12	Quarterly reports re: recordkeeping and reporting - Monitoring and Reporting
FACILITY	6NYCRR 243-8.5 (e)	1 -13	Compliance certification re: recordkeeping and reporting - Monitoring and Reporting

Applicability Discussion:

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

ECL 19-0301.

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

6NYCRR Part 200-.6



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

Permit ID: 2-6101-00042/00011

Renewal Number: 1

Modification Number: 1 11/03/2009

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



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

Permit ID: 2-6101-00042/00011

Renewal Number: 1

Modification Number: 1 11/03/2009

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.



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

Permit ID: 2-6101-00042/00011

Renewal Number: 1

Modification Number: 1 11/03/2009

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 there 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, CON EDISON - HUDSON AVE STATION has been determined to be subject to the following regulations:

6 NYCRR 200.3

No person shall make a false statement in connection with applications, plans, specifications and/or reports submitted pursuant to this Subchapter.

6 NYCRR 204-2.1

This condition states the submission requirements for the NOx Budget Trading Program. The Program is designed to mitigate the interstate transport of ground level ozone and nitrogen oxides, a ground level ozone precursor.



New York State Department of Environmental Conservation
Permit Review Report

Permit ID: 2-6101-00042/00011

Renewal Number: 1

Modification Number: 1 11/03/2009

6 NYCRR 204-4.1

This condition covers the compliance certification report requirements for the NOx Budget Program.

6 NYCRR 204-7.1

This condition lists the requirements for transfer of allowances in the NOx Budget Program.

6 NYCRR 204-8.1

This condition lists the general requirements for the NOx Budget trading program. They include, but are not limited to monitoring requirements, certification, record keeping and reporting.

6 NYCRR 204-8.2

This condition covers the procedures for initially certifying and recertifying the monitoring systems of the unit meet the requirements of the NOx Budget Program

6 NYCRR 204-8.3

This condition states the requirements for data substitution during times when the monitoring systems to not meet applicable quality assurance requirements.

6 NYCRR 204-8.4

This condition lists the addresses where monitoring plans and their modifications, compliance certifications, recertifications, quarterly QA/QC reports and petitions for alternative monitoring shall be sent.

6 NYCRR 204-8.7

This condition is a requirement for monitoring and reporting if a particular monitoring scenario is utilized.

6 NYCRR 207.3 (d)

This regulation requires any person who owns an air contamination source for which an episode action plan has been issued or approved to take whatever actions are prescribed by this episode action plan when an air pollution episode is in effect.

6 NYCRR 225.7 (a)

The commissioner may require an owner of an air contamination source to retain for up to three years, and to submit to him, fuel analyses, information on the quantity of fuel received, burned or sold, and results of stack sampling, stack monitoring and other procedures to ensure compliance with the provisions of the Part. **NOTE: This citation has been replaced by requirements cited under 225-1.8(a) and is no longer a part of current State regulations, however, it remains as part of New York State's approved State Implementation Plan (SIP).**

6 NYCRR 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.

6 NYCRR 225-1.4

This regulation allows the Commissioner of the NYSDEC to issue an order granting a temporary variance from the sulfur-in-fuel limitations in 6 NYCRR Part 225-1 where it can be shown, to the commissioner's satisfaction, that there is an insufficient supply of conforming fuel, either of the proper type required for use in a particular air contamination source or generally throughout an area of the



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

Permit ID: 2-6101-00042/00011

Renewal Number: 1

Modification Number: 1 11/03/2009

State.

6 NYCRR 225-1.7 (c)

This regulation requires that measurements be made daily of the rate of each fuel burned, the gross heat content and ash content of each fuel burned (determined at least once per week), and the average electrical output (daily) and hourly generation rate.

6 NYCRR 225-1.8 (a)

Upon request the owner or operator of a facility which purchases and fires coal or oil shall submit reports to the commissioner containing a fuel analysis, information on the quantity of the fuel received, burned, and results of any stack sampling, stack monitoring and any other procedures to ensure compliance with the provisions of 6 NYCRR Part 225-1. All records shall be available for a minimum of three years

6 NYCRR 225-1.8 (d)

This requires that sampling, compositing and analysis of fuel samples must be done in accordance with methods acceptable to the commissioner.

6 NYCRR 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.

6 NYCRR 227-1.2 (a) (1)

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

6 NYCRR 227-1.3

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

6 NYCRR 227-1.3 (a)

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

6 NYCRR 227-2.5 (b)

The system-wide average shall consist of a weighted average allowable emission rate based upon the weighted average of actual emissions from units that are operating. Excess reductions utilized in the system-wide average may only be counted from the lowest allowable emission rate. Simply put, if there is a more stringent emission limit than RACT already in place on the unit, then excess reductions may only be counted from below that emission rate.

6 NYCRR 227-2.6 (c)

This regulation is a SIP regulation. This citation is for stack test requirements. The owner or operator of the facility is required to test for NOx emission and follow monitoring and reporting requirements. The stack testing for NOx emission requires the facility to:

- (1) Submit a compliance test protocol to the department for approval at least 30 days prior to



New York State Department of Environmental Conservation
Permit Review Report

Permit ID: 2-6101-00042/00011

Renewal Number: 1

Modification Number: 1 11/03/2009

emission testing. The condition of the testing and the locations of the sampling devices must be acceptable to the department; and

(2) Utilize procedures set forth in 40 CFR Part 60, Appendix A or any other method acceptable to the department and EPA for determining compliance with the appropriate NO_x limit in section 227-2.4 of this Subpart, and shall follow the procedures set forth in Part 202 of this Title.

(i) For large and mid-size boilers, utilize Method 7, 7E, or 19 from 40 CFR Part 60, Appendix A or another reference method approved by the department.

(ii) For simple cycle combustion turbines, utilize Method 20 from 40 CFR Part 60, Appendix A or another reference method approved by the department.

(iii) For combined cycle combustion turbines, utilize Method 7, 7E, or 19 from 40 CFR Part 60, Appendix A or another reference method approved by the department.

(iv) For internal combustion engines, utilize Method 7, 7E or 19 from 40 CFR Part 60, Appendix A or another reference method approved by the department.

6 NYCRR 243-1.6 (a)

This citation requires the facility to acknowledge that they are subject to this CAIR regulation and provide owner and contact information. It also requires them to update this information as it changes or provide supplemental information at the Departments request.

6 NYCRR 243-1.6 (b)

This citation obligates the owners and operators of the facility to comply with the monitoring and reporting requirements of the CAIR regulations.

6 NYCRR 243-1.6 (c)

This citation explains the general provisions of the Clean Air Interstate Rule (CAIR) NO_x Ozone Season Trading Program. This ozone season NO_x cap and trade program runs from May 1 through September 30 each year, starting in 2009. Each source shall hold a tonnage equivalent in CAIR NO_x Ozone Season allowances that is not less than the total tons of NO_x emissions for the ozone season.

6 NYCRR 243-1.6 (d)

This citation for the Clean Air Interstate Rule (CAIR) NO_x Ozone Season Trading Program explains some of the penalties that can be imposed on a CAIR NO_x Ozone Season source that does not surrender enough CAIR NO_x Ozone Season allowances to cover their NO_x Ozone Season emissions.

6 NYCRR 243-1.6 (e)

This citation for the Clean Air Interstate Rule (CAIR) NO_x Ozone Season Trading Program requires that all reports be submitted as required by this program, and that copies of all records and submissions made for this program be kept on site for at least five years.

6 NYCRR 243-2.1

This citation of the Clean Air Interstate Rule (CAIR) NO_x Ozone Season Trading Program explains that an CAIR NO_x Ozone Season designated representative must be selected to submit, sign and certify each submission on behalf of the source for the this program.

6 NYCRR 243-2.4

This citation describes the required elements of the "Certificate of Representation" for the CAIR



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

Permit ID: 2-6101-00042/00011

Renewal Number: 1

Modification Number: 1 11/03/2009

program and the certifying language required with submissions to the Department.

6 NYCRR 243-8.1

This citation of the Clean Air Interstate Rule (CAIR) NOx Ozone Season Trading Program explains that CAIR NOx Ozone Season Trading Program sources must install, certify and operate monitoring systems the meet the monitoring, recordkeeping, and reporting requirements in Subpart 6 NYCRR 243-8 and in Subpart H of 40 CFR Part 75.

6 NYCRR 243-8.3

This citation of the Clean Air Interstate Rule (CAIR) NOx Ozone Season Trading Program explains what to do when an emission monitoring system fails quality assurance, quality control, or data validation requirements.

6 NYCRR 243-8.5 (d)

This citation of the Clean Air Interstate Rule (CAIR) NOx Ozone Season Trading Program explains the what requirements the quarterly reports must meet.

6 NYCRR 243-8.5 (e)

This citation of the Clean Air Interstate Rule (CAIR) NOx Ozone Season Trading Program explains the compliance certification requirements the source must follow for each quarterly report.

Compliance Certification

Summary of monitoring activities at CON EDISON - HUDSON AVE STATION:

Location Facility/EU/EP/Process/ES	Cond No.	Type of Monitoring

FACILITY	5	record keeping/maintenance procedures
FACILITY	6	record keeping/maintenance procedures
H-A0001	46	record keeping/maintenance procedures
FACILITY	7	record keeping/maintenance procedures
FACILITY	26	record keeping/maintenance procedures
FACILITY	30	record keeping/maintenance procedures
FACILITY	32	record keeping/maintenance procedures
FACILITY	33	record keeping/maintenance procedures
FACILITY	34	record keeping/maintenance procedures
FACILITY	41	record keeping/maintenance procedures
FACILITY	35	work practice involving specific operations
FACILITY	36	work practice involving specific operations
FACILITY	38	record keeping/maintenance procedures
FACILITY	39	record keeping/maintenance



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

Permit ID: 2-6101-00042/00011

Renewal Number: 1

Modification Number: 1 11/03/2009

H-A0005/-/GTD/GT003	50	procedures intermittent emission testing
H-A0005/-/GTD/GT004	51	intermittent emission testing
H-A0005/-/GTD/GT005	52	intermittent emission testing
H-A0001/-/ROL	48	monitoring of process or control device parameters as surrogate
FACILITY	1-1	record keeping/maintenance procedures
H-A0001	47	continuous emission monitoring (cem)
H-A0005/GT003	53	monitoring of process or control device parameters as surrogate
H-A0005/GT004	54	monitoring of process or control device parameters as surrogate
H-A0005/GT005	55	monitoring of process or control device parameters as surrogate
FACILITY	43	record keeping/maintenance procedures
H-A0005	49	record keeping/maintenance procedures

Basis for Monitoring

This facility is subject to the requirements of Title V. The facility is required, under the provisions of 6 NYCRR Subpart 201-6, to submit semiannual compliance reports and an annual Compliance Certification. This facility has to comply with the following monitoring conditions:

Condition # 5 for 6 NYCRR 201-6.5(c)(3)(ii): This is a facility-wide condition. This condition is for Record Keeping/Maintenance Procedures. This condition 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.

Condition # 6 for 6 NYCRR 201-6.5(e): This is a facility-wide condition. This condition is for Record Keeping/Maintenance Procedures. This condition specifies the overall permit requirements for compliance certification, including emission limitations, standards or work practices. This facility must submit an annual compliance certification to the NYSDEC and the USEPA.

Condition # 7 for 6 NYCRR 202-2.1: This is a facility-wide condition. This condition is for Record Keeping/Maintenance Procedures. This condition sets forth the applicability criteria for submitting an annual statement of emissions. The criteria is based on annual emission threshold quantities and ozone attainment designation. This condition is a requirements for all Title V facilities. These facilities must submit an annual emission statement by April 15th of each year for emissions of the previous calendar year.

Condition # 26 for 6 NYCRR 204-4.1: This is a facility-wide condition. This condition is for Record Keeping/Maintenance Procedures. This condition covers the compliance certification report requirements for the NOx Budget Program.



New York State Department of Environmental Conservation
Permit Review Report

Permit ID: 2-6101-00042/00011

Renewal Number: 1

Modification Number: 1 11/03/2009

Condition # 30 for 6 NYCRR 204-8.2: This is a facility-wide condition. This condition is for Record Keeping/Maintenance Procedures. This condition covers the procedures for initially certifying and re-certifying the monitoring systems of the unit meet the requirements of the NOx Budget Program.

Condition # 32 for 6 NYCRR 204-8.4: This is a facility-wide condition. This condition is for Record Keeping/Maintenance Procedures. This condition lists the addresses where monitoring plans and their modifications, compliance certifications, re-certifications, quarterly QA/QC reports and petitions for alternative monitoring shall be sent.

Condition # 33 for 6 NYCRR 204-8.7: This is a facility-wide condition. This condition is for Record Keeping/Maintenance Procedures. This condition is a requirement for monitoring and reporting if a particular monitoring scenario is utilized.

Condition # 34 for 6 NYCRR 207.3(d): This is a facility-wide condition. This condition is for Record Keeping/Maintenance Procedures. This condition requires any person who owns an air contamination source for which an episode action plan has been issued or approved to take whatever actions are prescribed by this episode action plan when an air pollution episode is in effect.

Condition # 35 for 6 NYCRR 225-1.2 (a)(2): This is a facility wide condition. This condition is for Work Practice Involving Specific Operations for the sulfur content in distillate fuel oil. This condition prohibits any person from selling, offering for sale, purchasing or using any fuel which contains sulfur in a quantity exceeding the limitations of 0.20 % by weight for distillate fuel (# 1 & # 2 fuel oil). The sulfur content must be determined by the seller. The facility must maintain a log of the sulfur content of oils on a per delivery basis.

Condition # 36 for 6 NYCRR 225-1.2 (a)(2): This is a facility wide condition. This condition is for Work Practice Involving Specific Operations for the sulfur content in residual fuel oil. This condition prohibits any person from selling, offering for sale, purchasing or using any fuel which contains sulfur in a quantity exceeding the limitations of 0.30 % by weight for residual fuel (# 4, # 5 & # 6 fuel oil). The sulfur content must be determined by the seller. The facility must maintain a log of the sulfur content of oils on a per delivery basis.

Condition # 38 for 6 NYCRR 225-1.7(c): This is a facility-wide condition. This condition is for Record Keeping/Maintenance Procedures condition. This condition requires that measurements be made daily of the rate of each fuel burned, the gross heat content and ash content of each fuel burned (determined at least once per week), and the average electrical output (daily) and hourly generation rate.

Condition # 40 for 6 NYCRR 225-1.8(a): This is a facility-wide condition. This condition is for Record Keeping/Maintenance Procedures condition. Upon request the owner or operator of a facility which purchases and fires coal or oil shall submit reports to the commissioner containing a fuel analysis, information on the quantity of the fuel received, burned, and results of any stack sampling, stack monitoring and any other procedures to ensure compliance with the provisions of 6 NYCRR Part 225-1. All records shall be available for a minimum of three years

Condition # 4 1 for 6 NYCRR 225.7(a): This is a facility-wide condition. This condition is for Record Keeping/Maintenance Procedures. The commissioner may require an owner of an air contamination source to retain for up to three years, and to submit to him, fuel analyses, information on the quantity of fuel received, burned or sold, and results of stack sampling, stack monitoring and



New York State Department of Environmental Conservation
Permit Review Report

Permit ID: 2-6101-00042/00011

Renewal Number: 1

Modification Number: 1 11/03/2009

other procedures to ensure compliance with the provisions of the Part. NOTE: This citation has been replaced by requirements cited under 225-1.8(a) and is no longer a part of current State regulations, however, it remains as part of New York State's approved State Implementation Plan (SIP).

Condition # 42 for 6 NYCRR 227-1.3: This is a facility-wide condition. This condition is for Record Keeping/Maintenance Procedures for Particulates. This condition requires a limitation and compliance monitoring for opacity from a stationary combustion installation. This opacity condition is specific to all of Consolidated Edison Title V permits.

In response to NYSDEC opacity regulations, Con Edison installed and certified Lear Siegler RM41 transmissometers on applicable Fossil Power stacks during the early 1980's. In 1994 and 1995, as part of Con Edison's Continuous Emissions Monitoring System (CEMS) program, existing equipment at all Con Edison facilities was replaced with new state-of-the-art Land Model 4500 units. New recorders were installed and digital opacity indicators were placed in control rooms so that Station operators would have real-time opacity readings. Con Edison's opacity monitors shall be operated and maintained in accordance with the requirements of 40 CFR Part 75 and will include the following:

1. Opacity Incident reporting.
2. Opacity reporting Compliance Audits.
3. Awareness, Communications and Training.
4. Preventive Maintenance.
5. Root Cause Analysis and Corrective Actions.
6. Quarterly Reports.

Condition # 43 for 6 NYCRR 227-2.5(b): This is a facility-wide condition. This condition is for Record Keeping/Maintenance Procedures for Oxides of Nitrogen. This condition is for the Con Edison's system-wide averaging of NOx emissions from its facilities. The system-wide average shall consist of a weighted average allowable emission rate based upon the weighted average of actual emissions from units that are operating. Excess reductions utilized in the system-wide average may only be counted from the lowest allowable emission rate. Simply put, if there is a more stringent emission limit than RACT already in place on the unit, then excess reductions may only be counted from below that emission rate.

Condition # 46 for 6 NYCRR 201-6.5(e): This condition is an emission unit level condition for Record Keeping/Maintenance Procedures for EU: H-A0001. This condition specifies the overall permit requirements for compliance certification, including emission limitations, standards or work practices. This facility must submit an annual compliance certification to the NYSDEC and the USEPA.

The facility shall take Preventive and corrective measures to optimize the combustion efficiency of the boilers. The facility shall follow the boiler maintenance procedures provided by the manufacturer. The boiler tune-ups which should include measuring boiler combustion efficiency must be performed annually for the four boilers, Emission Sources 00071, 00072, 00081 and 00082 listed in Emission Unit H-A0001. The owner or operator shall maintain a log (in a format acceptable to the Department) containing the following information:

- (1) The date when the tune-up was performed;
- (2) A summary list of the items adjusted as part of the tune-up; and,
- (3) The name, title and affiliation of the person(s) who performed the adjustments.



New York State Department of Environmental Conservation
Permit Review Report

Permit ID: 2-6101-00042/00011

Renewal Number: 1

Modification Number: 1 11/03/2009

Condition # 47 for 6 NYCRR 227-1.3: This condition is an emission unit level Continuous Emission Monitoring (CEM) condition for EU: H-A0001 for Particulates. This condition requires a limitation of 20 % and compliance monitoring for opacity from a stationary combustion installation.

Condition # 48 for 6 NYCRR 227-1.2(a)(1): This condition is an emission unit level and process level Monitoring of Process or Control Device Parameters as Surrogates condition for EU: H-A0001 and Process: ROL for Particulates. This condition establishes a particulate emission limit of 0.10 lbs per mmBtu of heat input for stationary combustion units of greater than 250 mmBtu/hr heat input capacity which fire coal, oil, or coal derived fuels.

Condition # 49 for 6 NYCRR 227-2.6(c): This condition is an emission unit level Record Keeping/Maintenance Procedures condition for EU: H-A0005 for Oxides of Nitrogen. This condition is a SIP condition. This citation is for stack test requirements. The owner or operator of the facility is required to test for NOx emission and follow monitoring and reporting requirements. The stack testing for NOx emission requires the facility to:

- (1) Submit a compliance test protocol to the department for approval at least 30 days prior to emission testing. The condition of the testing and the locations of the sampling devices must be acceptable to the department; and
 - (2) Utilize procedures set forth in 40 CFR Part 60, Appendix A or any other method acceptable to the department and EPA for determining compliance with the appropriate NOx limit in section 227-2.4 of this Subpart, and shall follow the procedures set forth in Part 202 of this Title.
- (ii) For simple cycle combustion turbines, utilize Method 20 from 40 CFR Part 60, Appendix A or another reference method approved by the department.

Condition # 50 for 6 NYCRR 227.2(b)(1): This condition is an emission unit level, process level and emission source level Intermittent Emission Testing condition for Particulates for EU: H-A0005, Proc: GTD and ES: GT003. This regulation is from the 1972 version of Part 227 and still remains as part of New York's SIP. The condition establishes a particulate limit of 0.10 lbs/mmBtu based on a 2 hour average emission for any oil fired stationary combustion installation.

Condition # 51 for 6 NYCRR 227.2(b)(1): This condition is an emission unit level, process level and emission source level Intermittent Emission Testing condition for Particulates for EU: H-A0005, Proc: GTD and ES: GT004. This regulation is from the 1972 version of Part 227 and still remains as part of New York's SIP. The condition establishes a particulate limit of 0.10 lbs/mmBtu based on a 2 hour average emission for any oil fired stationary combustion installation.

Condition # 52 for 6 NYCRR 227.2(b)(1): This condition is an emission unit level, process level and emission source level Intermittent Emission Testing condition for Particulates for EU: H-A0005, Proc: GTD and ES: GT005. This regulation is from the 1972 version of Part 227 and still remains as part of New York's SIP. The condition establishes a particulate limit of 0.10 lbs/mmBtu based on a 2 hour average emission for any oil fired stationary combustion installation.

Condition # 53 for 6 NYCRR 227-1.3(a): This condition is an emission unit level and emission point level condition for Monitoring of Process or Control Device Parameters as Surrogates condition for EU: H-A0005 and EP: GT003 for Particulates. This condition 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.



New York State Department of Environmental Conservation
Permit Review Report

Permit ID: 2-6101-00042/00011

Renewal Number: 1

Modification Number: 1 11/03/2009

Condition # 54 for 6 NYCRR 227-1.3(a): This condition is an emission unit level and emission point level condition for Monitoring of Process or Control Device Parameters as Surrogates condition for EU: H-A0005 and EP: GT004 for Particulates. This condition 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.

Condition # 55 for 6 NYCRR 227-1.3(a): This condition is an emission unit level and emission point level condition for Monitoring of Process or Control Device Parameters as Surrogates condition for EU: H-A0005 and EP: GT005 for Particulates. This condition 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.