New York State Department of Environmental Conservation

Permit Review Report

Permit ID: 7-5007-00030/00031
Renewal Number: 2
Modification Number: 2 12/18/2017

Facility Identification Data
Name: CORNELL UNIVERSITY MAIN CAMPUS
Address: COLLEGE AVE
ITHACA, NY 14853

Owner/Firm
Name: CORNELL UNIVERSITY
Address: 300 DAY HALL
ITHACA, NY 14853-2801, USA
Owner Classification: Corporation/Partnership

Permit Contacts
Division of Environmental Permits:
Name: TERESA A PHELPS
Address: NYSDEC - CORTLAND SUBOFFICE
1285 FISHER AVE
CORTLAND, NY 13045
Phone:6077533095

Division of Air Resources:
Name: ANDREW C LOFARO
Address: NYSDEC - REGION 7
615 ERIE BLVD W
SYRACUSE, NY 13204
Phone:3154267472

Air Permitting Facility Owner Contact:
Name: PATRICK O MCNALLY
Address: CORNELL UNIVERSITY ENV HEALTH & SAFETY
395 PINE TREE RD STE 210
ITHACA, NY 14850-2820
Phone:6072552304

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 major permit modification is submitted in order to enable the construction of two new package boilers which will be designated as Boiler #3 and Boiler #4 (to be designated as Emission Sources BOI3 and BOI4 respectively). These new boilers will be dual fueled units capable of firing natural gas or distillate (No. 2)

oil. Each unit will have a maximum heat input capacity of 99.72 MMbtu/hr on natural gas or 94.86 MMbtu/hr on oil. These units will be equipped with low-NOx burners and an oxygen trim system. Emissions from these new boilers will be directed to existing Emission Point 00002.

Boiler #9 (a 200 MMBtu/hr package boiler) is being removed from the permit at this time. This unit was originally permitted on 9/29/2011, however, was never constructed. In lieu of Boiler #9, Cornell has decided to construct two smaller boilers (Boilers #3 & #4).

The rental boilers are currently vented to Emission Point 00002. The rental boilers will be used until the end of the current heating season, and are expected to be removed by April 2015. The new package boilers #3 and #4 will be connected to the stack via the same portal used for the rental boilers. The new package boilers #3 & #4 will not be physically connected to the stack until the rental units have been permanently disconnected from the ductwork.

Unrelated to this project, Cornell is taking the opportunity to add a new permit condition to enable routine turbine engine maintenance (specifically replacement of turbine components), as well as two new permit conditions in order to incorporate the "reasonable possibility" provisions of 6 NYCRR 231-11.2 for the facility.

Attainment Status
CORNELL UNIVERSITY MAIN CAMPUS is located in the town of ITHACA in the county of TOMPKINS.
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*	TRANSPORT REGION (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:
Cornell University is an institution of higher education and research.

Permit Structure and Description of Operations
The Title V permit for CORNELL UNIVERSITY MAIN CAMPUS
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.

CORNELL UNIVERSITY MAIN CAMPUS is defined by the following emission unit(s):

Emission unit 1CHP06 - This emission unit consists of two (2) 15 MW stationary combustion turbine/generator sets with gas-fired heat recovery steam generators. Each combined cycle unit shall exhaust to a stack that rises to 180 feet above a reference base elevation of 832 feet msl with an exit diameter of 6 feet. As-built drawings or other documents showing compliance shall be maintained on-site.

Emission unit 1CHP06 is associated with the following emission points (EP):
00007, 00008
Process: GDG Process GDG consists of natural gas combustion in gas turbine generator 1 and/or 2, with supplemental duct burner firing on natural gas.

Process: GDO Process GDO consists of distillate fuel oil (ultra low sulfur diesel) combustion in gas turbine generator a and/or 2, with supplemental duct burner firing on natural gas.

Process: GTG Process GTG consists of natural gas combustion in gas turbine generator 1 and/or 2 without supplemental duct burner firing.

Process: GTO Process GTO consists of distillate fuel oil combustion (ultra low sulfur diesel) in gas turbine generator 1 and/or 2, without supplemental duct burner firing.

Emission unit RENTL - This Emission Unit consists of two rental boilers. Only distillate oil is allowed to be combusted in these boilers, although the Rental Boilers are ignited using propane. The boilers are equipped with low NOx burners and flue gas recirculation. These emission sources are subject to emission caps. The owner or operator of these boilers shall not cause or allow emissions in excess of the thresholds in 6 NYCRR 231-13.6, Table 6. These boilers exhaust out the west stack, EP 00002.

The facility has installed Nebraska 75000 pph ULSD fuel-fired boilers in 2011 and 2012, and may install these boilers or boilers of similar design and lower heat input, provided that no new requirements are triggered and the boilers comply with the conditions in this permit applicable to rental boilers.

Process: RBO is located at Building 5510B - Combustion of low sulfur (less than 0.5 weight percent) distillate oil in rental boilers.

Emission unit 1CHP08 - This emission unit consists of Boilers 3 and 4, exhausting through EP 00002. These boilers are identical dual fuel-fired package boilers which are equipped with low-NOx burners. Each is capable of firing natural gas at 99.72 MMBtu/hr or No. 2 fuel oil at 94.86 MMBtu/hr. Propane may be used as a backup fuel to ignite these boilers. Boilers 3 & 4 are subject to 40 CFR 60 Subpart Dc and 40 CFR 63 Subpart JJJJJJ.

NOTE: Emission Units 1-CHP08 and R-ENTL are subject to common emission caps from 6 NYCRR Part 231.

Emission unit 1CHP08 is associated with the following emission points (EP):
00002
Process: 34G is located at Building 5510B - Gas firing in dual fuel Package Boiler #3 and/or #4. (Each unit is capable of firing natural gas at 99.72 MMBtu/hr).

Process: 34O is located at Building 5510B - Distillate oil firing in dual fuel Package Boiler #3 and/or #4. (Each unit is capable of firing No. 2 fuel oil at 94.86 MMBtu/hr).

Emission unit 1CHP01 - THIS EMISSION UNIT CONSISTS OF BOILERS 6 AND 7 EXHAUSTING THROUGH EP00001. BOILERS 6 AND 7 ARE IDENTICAL BOILERS. EACH IS CAPABLE OF FIRING NATURAL GAS AT 145 MMBTU/HR OR NO. 2 FUEL OIL AT 138 MMBTU/HR. BOILERS 6 and 7 ARE IGNITED USING NATURAL GAS. PROPANE MAY BE USED AS A BACKUP FUEL TO IGNITE BOILERS 6 & 7. BOILERS 6 AND 7 ARE SUBJECT TO NSPS Db. BOILERS 6 AND 7 ARE ALSO PERMITTED TO BURN WASTE FUEL A FOR HEAT RECOVERY.

Emission unit 1CHP01 is associated with the following emission points (EP):
00001
Process: 67G is located at 1ST FLOOR, Building 5510B - PROCESS 67G CONSISTS OF NATURAL GAS COMBUSTION IN A 145 MMBTU/HR BOILER. THIS PROCESS APPLIES TO BOILER 6 AND/OR BOILER 7. ALL PROCESS APPLICABLE REQUIREMENTS AND REPORTED PROCESS EMISSIONS APPLY TO EACH BOILER. FGR IS OPTIONALLY USED FOR NOx CONTROL IN BOILER 6.

Process: 67O is located at 1ST FLOOR, Building 5510B - PROCESS 67O CONSISTS OF COMBUSTION OF OIL (NO. 2 FUEL OIL OR NO 2 FUEL OIL AND WASTE FUEL A). THE DESIGN CAPACITY OF THE UNIT WHEN FIRING NO. 2 OIL IS 138 MILLION Btu'S PER HOUR. THIS PROCESS APPLIES TO BOILER 6 AND/OR BOILER 7. ALL PROCESS APPLICABLE REQUIREMENTS AND REPORTED PROCESS EMISSIONS APPLY TO EACH BOILER. FGR IS OPTIONALLY USED FOR NOX CONTROL IN BOILER 6.

Emission unit 1CHP07 - This Emission Unit consists of two (2) 1000 kW diesel engine/generator sets. The generators are used for emergency power generation, only.

Emission unit 1CHP07 is associated with the following emission points (EP):

00009, 00010
Process: G2E is located at Building 5510B - Process G2E consists of two (2) 1000 kW diesel generators used to generate power during emergency situations.

Emission unit 2PAINT - THIS EMISSION UNIT CONSISTS OF THE MAINTENANCE PAINT SPRAY BOOTH LOCATED IN THE PAINT SHOP. THE BOOTH IS USED TO APPLY SURFACE COATINGS TO A VARIETY OF METAL AND WOOD SUBSTRATES AS PART OF THE MAINTENANCE AND REPAIR OF UNIVERSITY EQUIPMENT/INFRASTRUCTURE . EXAMPLES OF SUCH ITEMS INCLUDE (BUT ARE NOT LIMITED TO) PUMPS, VALVES, DOORS, HANDRAILS, RADIATOR COVERS, AND HVAC DUCTWORK. IN ADDITION, THE PAINT BOOTH IS USED TO APPLY SURFACE COATINGS TO PURCHASED WOOD FURNITURE AND WOOD FURNITURE MADE IN THE CARPENTER SHOP FOR ON SITE USE. MISCELLANEOUS PAINT STRIPPING OPERATIONS ARE INCLUDED IN THIS EMISSION UNIT.

Emission unit 2PAINT is associated with the following emission points (EP):
OPB02
Process: PB2 is located at Building 3016 - PROCESS PB2 CONSISTS OF APPLYING SURFACE COATINGS TO A VARIETY OF WOOD AND METAL SUBSTRATES AS PART OF THE MAINTENANCE AND REPAIR OF UNIVERSITY EQUIPMENT/INFRASTRUCTURE. EXAMPLES OF SUCH ITEMS INCLUDE (BUT ARE NOT LIMITED TO) PUMPS, VALVES, DOORS, HANDRAILS, RADIATOR COVERS, AND HVAC DUCTWORK. IN ADDITION, THE PAINT BOOTH IS USED TO APPLY SURFACE COATINGS TO WOOD FURNITURE MADE IN THE CARPENTER SHOP FOR ON-SITE USE.

Process: PB3 is located at Building 4009 - Miscellaneous paint stripping operations

Emission unit 1FD001 - This emission unit consists of gasoline dispensing sites.

Process: GD1 is located at Building CAMPUS - gasoline dispensing, throughput greater than 120,000 gpy and a monthly throughput less than 100,000 gallons.

Process: GD2 is located at Building CAMPUS - Gasoline dispensing with a monthly throughput less than 10,000 gallons

Emission unit VALKHY - Alkaline hydrolysis of dead animals and bedding.

Process: ALK is located at Building 1150G - Alkaline hydrolysis process used for dissolving dead animals.

Emission unit 1CHP03 - THIS EMISSION UNIT CONSISTS OF BOILER 5 EXHAUSTING THROUGH EP00003. BOILER 5 IS A 145 MMBTU/HR, NATURAL GAS-FIRED BOILER.

Emission unit 1CHP03 is associated with the following emission points (EP):
00003

Process: B5G is located at 1ST FLOOR, Building 5510B - PROCESS B5G IS NATURAL GAS COMBUSTION IN 145 MMBTU/HR BOILER 5.

Emission unit 2WDSHP - THIS EMISSION UNIT CONSISTS OF THE ADHESIVE GLUE STATION LOCATED IN THE CARPENTER SHOP. ADHESIVE IS APPLIED TO WOOD BOARDS, PANELS, VENEER, AND OTHER SUBSTRATES USED TO MAKE WOOD FURNITURE FOR ON-SITE USE BY THE UNIVERSITY. THIS EMISSION UNIT IS AN EXEM PT ACTIVITY UNDER 6NYCRR PART 201-3.2(C)(17), BUT IS INCLUDED IN THIS PERMIT SINCE 40 CFR 63 SUBPART JJ IS APPLICABLE.

Emission unit 2WDSHP is associated with the following emission points (EP):
OWS02
Process: WS2 is located at Building 4009 - PROCESS WS2 CONSISTS OF APPLYING ADHESIVE TO WOOD BOARDS, PANELS, VENEER AND OTHER SUBSTRATES USED TO MAKE WOOD FURNITURE FOR ON-SITE USE BY THE UNIVERSITY.

Title V/Major Source Status
CORNELL UNIVERSITY MAIN CAMPUS is subject to Title V requirements. This determination is based on the following information:
The facility is major for PM, SO2 and NOx.

Program Applicability
The following chart summarizes the applicability of CORNELL UNIVERSITY MAIN CAMPUS with regards to the principal air pollution
regulatory programs:

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

NOTES:
PSD Prevention of Significant Deterioration (40 CFR 52, 6 NYCRR 231-7, 231-8) -

requirements which pertain to major stationary sources located in areas which are in attainment of National Ambient Air Quality Standards (NAAQS) for specified pollutants.

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

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

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

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

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

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

RACT Reasonably Available Control Technology (6 NYCRR Parts 212-3, 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, 6 NYCRR 200.10) - as per the CAAA, all states are empowered and required to devise the specific combination of controls that, when implemented, will bring about attainment of ambient air quality standards established by the federal government and the individual state. This specific combination of measures is referred to as the SIP. The term here refers to those state regulations that are approved to be included in the SIP and thus are considered federally enforceable.

Compliance Status
Facility is in compliance with all requirements.

SIC Codes

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

SIC Code	Description
8221	COLLEGES AND UNIVERSITIES, NEC
9999	NONCLASSIFIABLE ESTABLISHMENTS

SCC Codes

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

SCC Code	Description
1-02-002-05	EXTERNAL COMBUSTION BOILERS - INDUSTRIAL INDUSTRIAL BOILER - SUBBITUMINOUS COAL Overfeed Stoker
1-02-004-01	EXTERNAL COMBUSTION BOILERS - INDUSTRIAL INDUSTRIAL BOILER - RESIDUAL OIL Grade 6 Oil
1-02-005-01	EXTERNAL COMBUSTION BOILERS - INDUSTRIAL INDUSTRIAL BOILER - DISTILLATE OIL Grades 1 and 2 Oil
1-02-006-01	EXTERNAL COMBUSTION BOILERS - INDUSTRIAL INDUSTRIAL BOILER - NATURAL GAS Over 100 MBtu/Hr
1-02-006-02	EXTERNAL COMBUSTION BOILERS - INDUSTRIAL INDUSTRIAL BOILER - NATURAL GAS 10-100 MMBtu/Hr
2-03-001-01	INTERNAL COMBUSTION ENGINES - COMMERCIAL/INSTITUTIONAL COMMERCIAL/INSTITUTIONAL IC ENGINE - DISTILLATE OIL (DIESEL) Reciprocating
2-03-001-02	INTERNAL COMBUSTION ENGINES - COMMERCIAL/INSTITUTIONAL COMMERCIAL/INSTITUTIONAL IC ENGINE - DISTILLATE OIL (DIESEL) Turbine
2-03-002-03	INTERNAL COMBUSTION ENGINES - COMMERCIAL/INSTITUTIONAL COMMERCIAL/INSTITUTIONAL IC ENGINE - NATURAL GAS TURBINE:COGENERATION
3-02-038-01	FOOD AND AGRICULTURE FOOD AND AGRICULTURE - ANIMAL/POULTRY RENDERING General
4-02-007-11	SURFACE COATING OPERATIONS SURFACE COATING APPLICATION - GENERAL SURFACE COATING APPLICATION-GENERAL: ADHESIVE SPRAY
4-02-999-98	SURFACE COATING OPERATIONS SURFACE COATING OPERATIONS - MISCELLANEOUS

	Specify in Comments Field
4-06-004-01	TRANSPORTATION AND MARKETING OF PETROLEUM PRODUCTS FILLING VEHICLE GAS TANKS - STAGE II Vapor Loss w/o Controls
6-82-400-31	MACT MISCELLANEOUS PROCESSES PAINT STRIPPER USERS - CHEMICAL STRIPPERS APPLICATION, DEGRADATION, AND COATING REMOVAL STEPS:METHYLENE CHLORIDE

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 for each contaminant that is displayed represents the facility-wide PTE in tons per year (tpy) or pounds per year (lbs/yr). In some instances the PTE represents a federally enforceable emissions cap or limitation for that contaminant. 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	PTE lbs/yr	PTE tons/yr	Actual lbs/yr	Actual tons/yr
0NY750-00-0	CARBON DIOXIDE EQUIVALENTS				
000630-08-0	CARBON MONOXIDE				
0NY210-00-0	OXIDES OF NITROGEN				
0NY075-00-0	PARTICULATES				
0NY075-02-5	PM 2.5				
0NY075-00-5	PM-10				
007446-09-5	SULFUR DIOXIDE				
0NY100-00-0	TOTAL HAP				
0NY998-00-0	VOC				

NOTIFICATION OF GENERAL PERMITTEE OBLIGATIONS

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

The Department will make available to the public any permit application, compliance plan, permit, and monitoring and compliance certification report pursuant to Section

503(e) of the Act, except for information entitled to confidential treatment pursuant to 6 NYCRR Part 616 - Public Access to records and Section 114(c) of the Act.

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

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

Item C: Certification by a Responsible Official - 6 NYCRR Part 201-6.2(d)(12)
Any application, form, report or compliance certification required to be submitted pursuant to the federally enforceable portions of this permit shall contain a certification of truth, accuracy and completeness by a responsible official.This certification shall state that based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete.

Item D: Requirement to Comply With All Conditions - 6 NYCRR Part 201-6.4(a)(2)
The permittee must comply with all conditions of the Title V facility permit. Any permit non-compliance constitutes a violation of the Act and is grounds for enforcement action; for permit termination, revocation and reissuance, or modification; or for denial of a permit renewal application.

Item E: Permit Revocation, Modification, Reopening, Reissuance or Termination, and Associated Information Submission Requirements - 6 NYCRR Part 201-6.4(a)(3)
This permit may be modified, revoked, reopened and reissued, or terminated for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any permit condition.

Item F: Cessation or Reduction of Permitted Activity Not a Defense - 6 NYCRR 201-6.4(a)(5)
It shall not be a defense for a permittee in an enforcement action to claim that a cessation or reduction in the permitted activity would have been necessary in order to maintain compliance with the conditions of this permit.

Item G: Property Rights - 6 NYCRR 201-6.4(a)(6)
This permit does not convey any property rights of any sort or any exclusive privilege.

Item H: Severability - 6 NYCRR Part 201-6.4(a)(9)
If any provisions, parts or conditions of this permit are found to be invalid or are the subject of a challenge, the remainder of this permit shall continue to be valid.

Item I: Permit Shield - 6 NYCRR Part 201-6.4(g)
All permittees granted a Title V facility permit shall be covered under the protection of a permit shield, except as provided under 6 NYCRR Subpart 201-6. Compliance with the conditions of the permit shall be deemed compliance with any applicable requirements as

of the date of permit issuance, provided that such applicable requirements are included and are specifically identified in the permit, or the Department, in acting on the permit application or revision, determines in writing that other requirements specifically identified are not applicable to the major stationary source, and the permit includes the determination or a concise summary thereof. Nothing herein shall preclude the Department from revising or revoking the permit pursuant to 6 NYCRR Part 621 or from exercising its summary abatement authority. Nothing in this permit shall alter or affect the following:

i. The ability of the Department to seek to bring suit on behalf of the State of New York, or the Administrator to seek to bring suit on behalf of the United States, to immediately restrain any person causing or contributing to pollution presenting an imminent and substantial endangerment to public health, welfare or the environment to stop the emission of air pollutants causing or contributing to such pollution;

ii. The liability of a permittee of the Title V facility for any violation of applicable requirements prior to or at the time of permit issuance;

iii. The applicable requirements of Title IV of the Act;

iv. The ability of the Department or the Administrator to obtain information from the permittee concerning the ability to enter, inspect and monitor the facility.

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

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

i. If additional applicable requirements under the Act become applicable where this permit's remaining term is three or more years, a reopening shall be completed not later than 18 months after promulgation of the applicable requirement. No such reopening is required if the effective date of the requirement is later than the date on which this permit is due to expire, unless the original permit or any of its terms and conditions has been extended by the Department pursuant to the provisions of Part 2 01-6.7 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 K: 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 L: 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: Emergency Defense - 6 NYCRR 201-1.5

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

(a) The affirmative defense of emergency shall be demonstrated through properly signed, contemporaneous operating logs, or other relevant evidence that:

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

(b) In any enforcement proceeding, the facility owner or operator

seeking to establish the occurrence of an emergency has the burden of proof.

(c) This provision is in addition to any emergency or upset provision contained in any applicable requirement. item_02

Item B: 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	ECL 19-0301	205	Powers and Duties of the Department with respect to air pollution control
FACILITY	40CFR 52-A.21	62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99	Prevention of Significant Deterioration
FACILITY	40CFR 60-A.11	2 -17	General provisions - compliance with standards and maintenance requirements
1-CHP01/-/67G	40CFR 60-A.11(d)	131	General provisions - compliance with standards and maintenance requirements
1-CHP01/-/67O	40CFR 60-A.11(d)	148	General provisions - compliance with standards and maintenance requirements
1-CHP01/-/67G	40CFR 60-A.12	132	General provisions - Circumvention
1-CHP01/-/67O	40CFR 60-A.12	149	General provisions -

			Circumvention
1-CHP01/-/67G	40CFR 60-A.13	133	General provisions - Monitoring requirements
1-CHP01/-/67O	40CFR 60-A.13	150	General provisions - Monitoring requirements
FACILITY	40CFR 60-A.7	2 -15	General provisions - Notification and recordkeeping
1-CHP01/-/67G	40CFR 60-A.7(b)	127	Notification and Recordkeeping
1-CHP01/-/67O	40CFR 60-A.7(b)	144	Notification and Recordkeeping
1-CHP01/-/67G	40CFR 60-A.7(c)	128	Notification and Recordkeeping
1-CHP01/-/67O	40CFR 60-A.7(c)	145	Notification and Recordkeeping
1-CHP01/-/67G	40CFR 60-A.7(d)	129	Notification and Recordkeeping
1-CHP01/-/67O	40CFR 60-A.7(d)	146	Notification and Recordkeeping
1-CHP01/-/67G	40CFR 60-A.7(f)	130	Notification and Recordkeeping
1-CHP01/-/67O	40CFR 60-A.7(f)	147	Notification and Recordkeeping
FACILITY	40CFR 60-A.8	2 -16	General provisions - Performance tests
1-CHP01/-/67O	40CFR 60-Db.42b(a)	151	Standard for Sulfur Dioxide Firing Coal and/or Oil.
1-CHP01/-/67O	40CFR 60-Db.43b(f)	152	Standard for Particulate Matter Opacity.
1-CHP01/-/67G	40CFR 60-Db.44b(a)(1)	134	Standard for Nitrogen Oxides Firing Natural Gas and Distillate Oil. (see narrative)
1-CHP01/-/67O	40CFR 60-Db.44b(a)(1)	153	Standard for Nitrogen Oxides Firing Natural Gas and Distillate Oil. (see narrative)
1-CHP01/-/67G	40CFR 60-Db.46b	135	Compliance and Performance Test Methods and Procedures for Particulate Matter and and Nitrogen Oxides.
1-CHP01/-/67O	40CFR 60-Db.46b	154, 155	Compliance and Performance Test Methods and Procedures for Particulate Matter and and Nitrogen Oxides.
1-CHP01/-/67G	40CFR 60-Db.49b(d)	136	Reporting and Recordkeeping Requirements.
1-CHP01/-/67O	40CFR 60-Db.49b(d)	156	Reporting and Recordkeeping Requirements.
1-CHP01/-/67G	40CFR 60-Db.49b(g)	137	Reporting and Recordkeeping

			Requirements.
1-CHP01/-/67O	40CFR 60-Db.49b(g)	157	Reporting and Recordkeeping Requirements.
1-CHP01/-/67G	40CFR 60-Db.49b(h)	138	Reporting and Recordkeeping Requirements.
1-CHP01/-/67O	40CFR 60-Db.49b(h)	158	Reporting and Recordkeeping Requirements.
1-CHP01/-/67G	40CFR 60-Db.49b(i)	139	Reporting and Recordkeeping Requirements.
1-CHP01/-/67O	40CFR 60-Db.49b(i)	159	Reporting and Recordkeeping Requirements.
1-CHP01/-/67O	40CFR 60-Db.49b(j)	160	Reporting and Recordkeeping Requirements.
1-CHP01/-/67G	40CFR 60-Db.49b(o)	140	Reporting and Recordkeeping Requirements.
1-CHP01/-/67O	40CFR 60-Db.49b(o)	161	Reporting and Recordkeeping Requirements.
FACILITY	40CFR 60-Dc.42c(d)	2 -18	Standard for Sulfur Dioxide Firing Oil. (see narrative)
FACILITY	40CFR 60-Dc.43c(c)	2 -19	Standard for Opacity.
FACILITY	40CFR 60-Dc.48c	2 -20	Reporting and Recordkeeping Requirements.
2-PAINT/-/PB2	40CFR 60-EE.310(c)	196	Metal furniture mfg using over 1000 gallons of coating/year constructed after 11/28/80
FACILITY	40CFR 60-IIII	109	Standards of Performance for Stationary Compression Ignition Internal Combustion Engines
1-CHP07	40CFR 60-IIII.4205(b)	174	Emission Standards - 2007 or later Emergency Non Fire Pump Stationary CI-IC Engines Displacing < 30 liters/cylinder
1-CHP07	40CFR 60-IIII.4206	175	Stationary Compression Ignition IC Engines - Duration of Emission Standards
1-CHP07	40CFR 60-IIII.4207	176	Stationary Compression Ignition IC Engines - Fuel Requirements
1-CHP07	40CFR 60-IIII.4209(a)	177	Monitoring requirement - Emergency stationary CI-IC engine
1-CHP07	40CFR 60-IIII.4211(e)	178	Stationary Compression Ignition

FACILITY	40CFR 60-JJJJ	110	IC Engines - compliance demonstration Standards of Performance for Stationary Spark Ignition Internal Combustion Engines
1-CHP06	40CFR 60-KKKK	172	Stationary Combustion Turbine NSPS
1-FD001/-/GD1	40CFR 63-CCCCCC	188	Gasoline Dispensing Facilities Area Source NESHAP
1-FD001/-/GD2	40CFR 63-CCCCCC	189	Gasoline Dispensing Facilities Area Source NESHAP
2-PAINT/-/PB3	40CFR 63-HHHHHH.11173(a	197	NESHAP for Paint Stripping and Misc. Surface Coating - Paint Stripping General Requirements
2-PAINT/-/PB3	40CFR 63-HHHHHH.11173(c	198	NESHAP for Paint Stripping and Misc. Surface Coating - Paint Stripping General Requirements
2-PAINT	40CFR 63-HHHHHH.11176(a	190	NESHAP for Paint Stripping and Misc. Metal Coating - Annual Notification of Changes Report
FACILITY	40CFR 63-HHHHHH.11177	111	NESHAP for Paint Stripping and Misc. Metal Coating - Recordkeeping
FACILITY	40CFR 63-JJJJJJ	2 -21, 2 -22, 2 -23	National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial, and Institutional Boilers Area Sources
FACILITY	40CFR 63-YYYY.6100	113, 114	Stationary Combustion Turbine NESHAP - Emission and Operating Limits
FACILITY	40CFR 63-YYYY.6145	115	Stationary Combustion Turbine NESHAP - Notifications, Reports and Records
FACILITY	40CFR 63-YYYY.6150	116	Stationary Combustion Turbine NESHAP - Report Submittal
FACILITY	40CFR 63-YYYY.6155	117	Stationary Combustion Turbine NESHAP - Recordkeeping
FACILITY	40CFR 63-ZZZZ	118	Reciprocating Internal Combustion Engine (RICE) NESHAP
FACILITY	40CFR 68	20	Chemical accident prevention provisions
FACILITY	40CFR 82-B	120	Protection of Stratospheric Ozone -

			servicing of motor vehicle air conditioners
FACILITY	40CFR 82-F	21	Protection of Stratospheric Ozone - recycling and emissions reduction
FACILITY	6NYCRR 200.6	1	Acceptable ambient air quality.
FACILITY	6NYCRR 200.7	10	Maintenance of equipment.
FACILITY	6NYCRR 201-1.4	206	Unavoidable noncompliance and violations
1-CHP06	6NYCRR 201-1.4(a)	169	Unavoidable noncompliance and violations - maintenance and/or startup/shutdown
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	22, 121, 122	Title V Permits and the Associated Permit Conditions
FACILITY	6NYCRR 201-6.4(a)(4)	15	General Conditions - Requirement to Provide Information
FACILITY	6NYCRR 201-6.4(a)(7)	2	General Conditions - Fees
FACILITY	6NYCRR 201-6.4(a)(8)	16	General Conditions - Right to Inspect
FACILITY	6NYCRR 201-6.4(c)	3	Recordkeeping and Reporting of Compliance Monitoring
FACILITY	6NYCRR 201-6.4(c)(2)	4	Records of Monitoring, Sampling and Measurement
FACILITY	6NYCRR 201-6.4(c)(3)(ii	2 -1	Reporting Requirements - Deviations and Noncompliance
FACILITY	6NYCRR 201-6.4(d)(4)	23	Compliance Schedules - Progress Reports
FACILITY	6NYCRR 201-6.4(e)	2 -2	Compliance Certification
FACILITY	6NYCRR 201-6.4(f)	24	Operational Flexibility
1-CHP06	6NYCRR 201-6.4(f)(2)	2 -25	Operational Flexibility - Protocol
FACILITY	6NYCRR 201-6.4(f)(6)	17	Off Permit Changes
FACILITY	6NYCRR 201-6.4(g)	2 -3	Permit Shield
FACILITY	6NYCRR 201-7	123	Federally Enforceable Emissions Caps
1-CHP06	6NYCRR 202-1	170, 171	Emission Testing, Sampling and

			Analytical Determinations
FACILITY	6NYCRR 202-1.1	18, 19	Required emissions tests.
FACILITY	6NYCRR 202-2.1	7	Emission Statements - Applicability
FACILITY	6NYCRR 202-2.5	8	Emission Statements - record keeping requirements.
FACILITY	6NYCRR 211.1	46	General Prohibitions - air pollution prohibited
FACILITY	6NYCRR 211.2	207	General Prohibitions - visible emissions limited.
FACILITY	6NYCRR 212.4(a)	47, 208	General Process Emission Sources - emissions from new sources and/or modifications
FACILITY	6NYCRR 212.4(c)	48	General Process Emission Sources - emissions from new processes and/or modifications
FACILITY	6NYCRR 215.2	9	Open Fires - Prohibitions
FACILITY	6NYCRR 225-1.2	2 -8	Sulfur-in-Fuel Limitations
FACILITY	6NYCRR 225-1.5(c)	50	Monitoring Requirements
1-CHP01/-/67O	6NYCRR 225-2.3(b)(1)	141	Eligibility to burn waste fuel A.
FACILITY	6NYCRR 226	51	SOLVENT METAL CLEANING PROCESSES
1-CHP01/-/67O	6NYCRR 227-1.2(a)(1)	142	Particulate Emissions from Liquid Fuels.
FACILITY	6NYCRR 227-1.3(a)	2 -9	Smoke Emission Limitations.
1-CHP01	6NYCRR 227-1.3(a)	2 -24	Smoke Emission Limitations.
1-CHP01	6NYCRR 227-1.4(b)	125	Stack Monitoring
1-CHP01/-/67G	6NYCRR 227-2.4(b)(1)	126	Emission limits.
1-CHP01/-/67O	6NYCRR 227-2.4(b)(1)	143	Emission limits.
1-CHP03	6NYCRR 227-2.4(b)(1)	166	Emission limits.
FACILITY	6NYCRR 227-2.4(c)(1)(ii	2 -10	2010 NOx RACT presumptive limit.
FACILITY	6NYCRR 227-2.4(d)	53	Small boilers, small combustion turbines, and small stationary internal combustion engines.
1-CHP03	6NYCRR 227-2.5(c)	167	Alternative RACT option.
2-PAINT/-/PB2	6NYCRR 228-1.3(a)	192	Surface Coating General Requirements-Opacity
2-PAINT/-/PB2	6NYCRR 228-1.3(b)	193	Surface Coating General Requirements-Recordkeeping
2-PAINT/-/PB2	6NYCRR 228-1.3(d)	194	Surface Coating General Requirements-Handling, storage and disposal

2-PAINT/-/PB2	6NYCRR 228-1.4	195	Controlling VOC emissions using compliant materials
2-WDSHP/-/WS2	6NYCRR 228-2.4(a)	199	VOC Content Limits
1-FD001/-/GD1	6NYCRR 230.2(a)(1)	186	Stage I
1-FD001/-/GD1	6NYCRR 230.2(f)	187	Requirements
FACILITY	6NYCRR 231-10.5	54	Permit requirements
FACILITY	6NYCRR 231-11.2(b)	2 -13	Reasonable Possibility requirements for insignificant mods - less than 50% with excluded emissions
FACILITY	6NYCRR 231-11.2(c)	2 -14	Reasonable Possibility requirements for insignificant mods - greater than 50% with excluded emissions
FACILITY	6NYCRR 231-3	2 -11	General Provisions
FACILITY	6NYCRR 231-3.5(b)	2 -12	Source obligation - relaxation of enforceable limitation
FACILITY	6NYCRR 243-1.6	56	Standard Requirements - CAIR NOx Ozone Season Trading Program
FACILITY	6NYCRR 243-1.6(e)	57	Recordkeeping and reporting requirements - CAIR NOx Ozone Season Trading Program
FACILITY	6NYCRR 243-2.1	58	Authorization and responsibilities - CAIR Designated Representative
FACILITY	6NYCRR 243-8.1	59, 60	General Requirements - Monitoring and Reporting
FACILITY	6NYCRR 243-8.5	61	Recordkeeping and reporting - Monitoring and Reporting
1-CHP03	6NYCRR 257-1.4	168	Air Quality Standards general - compliance
FACILITY	6NYCRR 617.11(d)	209	Decision-making and findings requirements

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

ECL 19-0301
This section of the Environmental Conservation Law establishes the powers and duties assigned to the Department with regard to administering the air pollution control program for New York State.

6 NYCRR 200.6
Acceptable ambient air quality - prohibits contravention of ambient air quality standards without mitigating measures

6 NYCRR 200.7

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

6 NYCRR 201-1.4
This regulation specifies the actions and recordkeeping and reporting requirements for any violation of an applicable state enforceable emission standard that results from a necessary scheduled equipment maintenance, start-up, shutdown, malfunction or upset in the event that these are unavoidable.

6 NYCRR 201-1.7
Requires the recycle and salvage of collected air contaminants where practical

6 NYCRR 201-1.8
Prohibits the reintroduction of collected air contaminants to the outside air

6 NYCRR 201-3.2 (a)
An owner and/or operator of an exempt emission source or unit may be required to certify that it operates within the specific criteria described in this Subpart. All required records must be maintained on-site for a period of 5 years and made available to department representatives upon request. In addition, department representatives must be granted access to any facility which contains exempt emission sources or units, during normal operating hours, for the purpose of determining compliance with this and any other state and federal air pollution control requirements, regulations, or law.

6 NYCRR 201-3.3 (a)
The owner and/or operator of a trivial emission source or unit may be required to certify that it operates within the specific criteria described in this Subpart. All required records must be maintained on-site for a period of 5 years and made available to department representatives upon request. In addition, department representatives must be granted access to any facility which contains trivial emission sources or units subject to this Subpart, during normal operating hours, for the purpose of determining compliance with this and any other state and federal air pollution control requirements, regulations, or law.

6 NYCRR Subpart 201-6
This regulation applies to those terms and conditions which are subject to Title V permitting. It establishes the applicability criteria for Title V permits, the information to be included in all Title V permit applications as well as the permit content and terms of permit issuance. This rule also specifies the compliance, monitoring, recordkeeping, reporting, fee, and procedural requirements that need to be met to obtain a Title V permit, modify the permit and demonstrate conformity with applicable requirements as listed in the Title V permit. For permitting purposes, this rule specifies the need to identify and describe all emission units, processes and products in the permit application as well as providing the Department the authority to include this and any other information that it deems necessary to determine the compliance status of the facility.

6 NYCRR 201-6.4 (a) (4)
This mandatory requirement applies to all Title V facilities. It requires the permittee to provide information that the Department may request in writing, within a reasonable time, in order to determine whether cause exists for modifying, revoking and reissuing, or terminating the permit or to determine compliance with the permit. The request may include copies of records required to be kept by the permit.

6 NYCRR 201-6.4 (a) (7)
This is a mandatory condition that requires the owner or operator of a facility subject to Title V

requirements to pay all applicable fees associated with the emissions from their facility.

6 NYCRR 201-6.4 (a) (8)
This is a mandatory condition for all facilities subject to Title V requirements. It allows the Department to inspect the facility to determine compliance with this permit, including copying records, sampling and monitoring, as necessary.

6 NYCRR 201-6.4 (c)
This requirement specifies, in general terms, what information must be contained in any required compliance monitoring records and reports. This includes the date, time and place of any sampling, measurements and analyses; who performed the analyses; analytical techniques and methods used as well as any required QA/QC procedures; results of the analyses; the operating conditions at the time of sampling or measurement and the identification of any permit deviations. All such reports must also be certified by the designated responsible official of the facility.

6 NYCRR 201-6.4 (c) (2)
This requirement specifies that all compliance monitoring and recordkeeping is to be conducted according to the terms and conditions of the permit and follow all QA requirements found in applicable regulations. It also requires monitoring records and supporting information to be retained for at least 5 years from the time of sampling, measurement, report or application. Support information is defined as including all calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation, and copies of all reports required by the permit.

6 NYCRR 201-6.4 (c) (3) (ii)
This regulation specifies any reporting requirements incorporated into the permit must include provisions regarding the notification and reporting of permit deviations and incidences of noncompliance stating the probable cause of such deviations, and any corrective actions or preventive measures taken.

6 NYCRR 201-6.4 (d) (5)
This condition applies to every Title V facility subject to a compliance schedule. It requires that reports, detailing the status of progress on achieving compliance with emission standards, be submitted semiannually.

6 NYCRR 201-6.4 (e)
Sets forth the general requirements for compliance certification content; specifies an annual submittal frequency; and identifies the EPA and appropriate regional office address where the reports are to be sent.

6 NYCRR 201-6.4 (f) (6)
This condition allows changes to be made at the facility, without modifying the permit, provided the changes do not cause an emission limit contained in this permit to be exceeded. The owner or operator of the facility must notify the Department of the change. It is applicable to all Title V permits which may be subject to an off permit change.

6 NYCRR 201-6.4 (g)
Permit Exclusion Provisions - specifies those actions, such as administrative orders, suits, claims for natural resource damages, etc that are not affected by the federally enforceable portion of the permit, unless they are specifically addressed by it.

6 NYCRR 202-1.1
This regulation allows the department the discretion to require an emission test for the purpose of determining compliance. Furthermore, the cost of the test, including the preparation of the report are to be

borne by the owner/operator of the source.

6 NYCRR 202-2.1
Requires that emission statements shall be submitted on or before April 15th each year for emissions of the previous calENDar year.

6 NYCRR 202-2.5
This rule specifies that each facility required to submit an emission statement must retain a copy of the statement and supporting documentation for at least 5 years and must make the information available to department representatives.

6 NYCRR 211.2
This regulation limits opacity from sources to less than or equal to 20 percent (six minute average) except for one continuous six-minute period per hour of not more than 57 percent opacity.

6 NYCRR 215.2
Except as allowed by section 215.3 of 6 NYCRR Part 215, no person shall burn, cause, suffer, allow or permit the burning of any materials in an open fire.

40 CFR Part 68
This Part lists the regulated substances and there applicability thresholds and sets the requirements for stationary sources concerning the prevention of accidental releases of these substances.

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, CORNELL UNIVERSITY MAIN CAMPUS has been determined to be subject to the following regulations:
40 CFR 52.21
This citation applies to facilities that are subject to Prevention of Significant Deterioration provisions;
ie: facilities that are located in an attainment area and that emit pollutants which are listed in 40 CFR 52.21(b)(23)(i) .

40 CFR 60.11
This regulation specifies the type of opacity monitoring requirements in relation to compliance with the standards and maintenance requirements.

40 CFR 60.11 (d)

This regulation specifies the type of opacity monitoring requirements in relation to compliance with the standards and maintenance requirements.

40 CFR 60.12
This regulation prohibits an owner or operator from concealing emissions in violation of applicable standards by any means.

40 CFR 60.13
This regulation specifies how monitoring shall be performed and which methods and appendices are used to determine if the monitoring is adequate and in compliance with the regulated standards.

40 CFR 60.310 (c)
Cornell must use less than 1015 gallons of coating to avoid applicability to 40 CFR Part 60, Subpart EE.

40 CFR 60.4205 (b)
This requirement applies to owners and operators of 2007 model year and later emergency stationary CI IC engines with a displacement less than 30 liters/cylinder that are not fire pump engines. An applicable source must comply with the emission standards for new nonroad CI engines for all pollutants (HC, PM, NOx, NMHC + NOx and CO) for the same model year and maximum engine power as per 40 CFR 60.4202.

40 CFR 60.4206
This requirement mandates that owners or operators of stationary compression ignition IC engines that achieve the emission standards as required in 40 CFR 60.4204 and 4205 maintain the engines according to the manufacturer's written instructions or procedures developed by the owner or operator that are approved by the engine manufacturer, over the entire life of the engine.

40 CFR 60.4207
Beginning October 1, 2007, owners and operators of stationary compression ignition internal combustion engines must use diesel fuel that meets the requirements of 40 CFR 80.510(a).

40 CFR 60.4209 (a)
The owner and/or operator of an emergency stationary compression ignition internal combustion engine subject to this subpart is required to install a non-resettable hour meter.

40 CFR 60.4211 (e)
This regulation states that an emergency stationary internal combustion engine can be run, for maintenance checks, no more than 100 hours per year.

40 CFR 60.42b (a)
This regulation calls for a 90% reduction in the emissions of sulfur dioxide from facilities that burn coal or oil.

40 CFR 60.42c (d)
This regulation requires that on or after the date on which the initial performance test is completed or required to be completed under section 60.8 of 40 CFR 60 Subpart A, no owner or operator of an affected facility that combusts oil, shall combust oil with a sulfur content in excess of 0.5 percent by weight.

40 CFR 60.43b (f)
This regulation specifies maximum allowable opacity for affected affected sources. The opacity of the emission may not exceed 20%, except for one six minute period when the maximum opacity may not exceed 27%.

40 CFR 60.43c (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.

40 CFR 60.44b (a) (1)
These standards apply to all boilers firing natural gas and/or distillate oil except as provided in 40 CFR 60.44b(a)(4) Duct Burners Used in a Comdined Cycle System.

40 CFR 60.46b
This section sets the compliance and performance test methods and procedures for emissions of particulate matter and oxides of nitrogen.

40 CFR 60.48c
This regulation requires that the facility maintain reports and records in accordance with the provisions of this section 40 CFR 60-Dc.48c.

40 CFR 60.49b (d)
This subdivision requires reporting and recordkeeping for affected steam generating units - annual fuel capacity factors.

40 CFR 60.49b (g)
This subdivision requires reporting and recordkeeping for affected steam generating units - specific oxides of nitrogen requirements.

40 CFR 60.49b (h)
This subdivision specifies that the facility must submit excess emission reports.

40 CFR 60.49b (i)
This subdivision specifies that the facility submit reports on oxides of nitrogen emissions in accordance with the required recordkeeping provisions of 40 CFR 60.49b(g).

40 CFR 60.49b (j)
This subdivision specifies that the facility submit reports on sulfur dioxide emission records.

40 CFR 60.49b (o)

40 CFR 60.7
40 CFR 60 general provision requirements

40 CFR 60.7 (b)
This regulation requires the owner or operator to maintain records of the occurrence and duration of any startup, shutdown, or malfunction of the source or control equipment or continuous monitoring system.

40 CFR 60.7 (c)
This requirement details the information to be submitted in excess emissions and monitoring systems performance reports which must be submitted at least semi-annually for sources with compliance monitoring systems.

40 CFR 60.7 (d)
This condition specifies the required information and format for a summary report form and details when either a summary form and/or excess emissions reports are required.

40 CFR 60.7 (f)
This condition specifies requirements for maintenance of files of all measurements, including continuous monitoring system (CMS), monitoring device, and performance testing measurements; all CMS performance evaluations; all CMS or monitoring device calibration checks; adjustments and maintenance performed on these systems or devices for at least two years.

40 CFR 60.8
This general provision of the New Source Performance Standards or NSPS, sets forth the performance test requirements for all NSPS applicable sources. Basically, all performance tests must be conducted within 60 days after achieving the maximum production rate but no later than 180 days after initial startup using procedures consistent with methods and procedures approved by the Administrator.

40 CFR 63.11173 (a)

40 CFR 63.11173 (c)

40 CFR 63.11176 (a)

40 CFR 63.11177

40 CFR 63.6100

40 CFR 63.6145

40 CFR 63.6150

40 CFR 63.6155

40 CFR Part 60, Subpart IIII

Cornell operates emergency internal combustion engines. The permit requires compliance with this NSPS.

40 CFR Part 60, Subpart JJJJ

Cornell operates emergency internal combustion engines. The permit requires compliance with this NSPS.

40 CFR Part 60, Subpart KKKK

40 CFR Part 63, Subpart CCCCCC

Cornell operates gasoline dispensing stations, one of which has a throughput in excess of 10,000 gallons per month but less than 100,000 gallons per month. Each gasoline

dispensing site is subject to 40 CFR Part 63, Subpart CCCCCC.

40 CFR Part 63, Subpart JJJJJJ
This regulation covers facilities that own or operate an industrial, commercial, or institutional boiler as defined in §63.11237 that is located at, or is part of, an area source of hazardous air pollutants (HAP), as defined in §63.2, except as specified in §63.11195.

40 CFR Part 63, Subpart ZZZZ
Cornell operates emergency internal combustion engines that may be subject to this NESHAPs.

40 CFR Part 82, Subpart 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.

6 NYCRR 201-1.4 (a)
All activities involving equipment maintenance or start-up/shutdown that may result in a violation of an emission standard need to be recorded and a written report must be submitted to the department. The report should describe why the violation was unavoidable and include the time, frequency and duration of the maintenance and/or start-up/shutdown activities and the identification of air contaminants, and the estimated emission rates. Sources which are subject to a continuous monitoring and quarterly reporting requirement are exempt from the above.

6 NYCRR 201-6.4 (a) (4)
The owner and/or operator shall furnish to the department, within a reasonable time, any information that the department may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating the permit or to determine compliance with the permit. Upon request, the permittee shall also furnish to the department copies of records required to be kept by the permit or, for information claimed to be confidential, the permittee may furnish such records directly to the administrator along with a claim of confidentiality, if the administrator initiated the request for information or otherwise has need of it.

6 NYCRR 201-6.4 (a) (7)
The owner and/or operator of a stationary source shall pay fees to the Department consistent with the fee schedule authorized by ECL 72-0303.

6 NYCRR 201-6.4 (a) (8)
The department or an authorized representative shall be allowed upon presentation of credentials and other documents as may be required by law to:

(i) enter upon the permittee's premises where a facility subject to the permitting requirements of this Subpart is located or emissions-related activity is conducted, or where records must be kept under the conditions of the permit;

(ii) have access to and copy, at reasonable times, any records that must be kept under the conditions of the permit;

(iii) inspect at reasonable times any emission sources, equipment (including monitoring and air pollution control equipment), practices, and operations regulated or required under the permit; and

(iv) sample or monitor at reasonable times substances or parameters for the purpose of assuring compliance with the permit or applicable requirements.

6 NYCRR 201-6.4 (c)

The following information must be included in any required compliance monitoring records and reports:

(i) The date, place, and time of sampling or measurements;

(ii) The date(s) analyses were performed;

(iii)The company or entity that performed the analyses;

(iv) The analytical techniques or methods used including quality assurance and quality control procedures if required;

(v) The results of such analyses including quality assurance data where required; and

(vi) The operating conditions as existing at the time of sampling or measurement.

Any deviation from permit requirements must be clearly identified in all records and reports. Reports must be certified by a responsible official, consistent with Section 201-6.2 of Part 201.

6 NYCRR 201-6.4 (c) (2)
Compliance monitoring and recordkeeping shall be conducted according to the terms and conditions contained in this permit and shall follow all quality assurance requirements found in applicable regulations. Records of all monitoring data and support information must be retained for a period of at least 5 years from the date of the monitoring, sampling, measurement, report, or application. Support information includes all calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation, and copies of all reports required by the permit.

6 NYCRR 201-6.4 (c) (3) (ii)
This regulation specifies any reporting requirements incorporated into the permit must include provisions regarding the notification and reporting of permit deviations and incidences of noncompliance stating the probable cause of such deviations, and any corrective actions or preventive
measures taken.

6 NYCRR 201-6.4 (d) (4)
Progress reports consistent with an applicable schedule of compliance are to be submitted at least semiannually, or at a more frequent period if specified in the applicable requirement or by the department. Such progress reports shall contain the following:

(i) dates for achieving the activities, milestones, or compliance required in the schedule of compliance, and dates when such activities, milestones or compliance were achieved; and

(ii) an explanation of why any dates in the schedule of compliance were not or will not be met, and any preventive or corrective measures adopted.

6 NYCRR 201-6.4 (f)
An operational flexibilityt protocol is included in Cornell's permit.

6 NYCRR 201-6.4 (f) (2)

Op-flex condition which allows Cornell to swap turbine core's as specified in their service contract with the Solar Turbine vendor.

6 NYCRR 201-6.4 (f) (6)
No permit revision will be required for operating changes that contravene an express permit term, provided that such changes would not violate applicable requirements as defined under this Part or contravene federally enforceable monitoring (including test methods), recordkeeping, reporting, or compliance certification permit terms and conditions. Such changes may be made without requiring a permit revision, if the changes are not modifications under any provision of title I of the act and the changes do not exceed the emissions allowable under the permit (whether expressed therein as a rate of emissions or in terms of total emissions) provided that the facility provides the administrator and the department with written notification as required below in advance of the proposed changes within a minimum of seven days. The facility owner or operator, and the department shall attach each such notice to their copy of the relevant permit.

(i) For each such change, the written notification required above shall include a brief description of the change within the permitted facility, the date on which the change will occur, any change in emissions, and any permit term or condition that is no longer applicable as a result of the change.

(ii) The permit shield described in section 6 NYCRR 201-6.4 shall not apply to any change made pursuant to this paragraph.

6 NYCRR 211.1
This regulation requires that no person shall cause or allow emissions of air contaminants to the outdoor atmosphere of such quantity, characteristic or duration which are injurious to human, plant or animal life or to property, or which unreasonably interfere with the comfortable enjoyment of life or property.

6 NYCRR 212.4 (a)
This rule requires compliance with the degree of control specified in Tables 2, 3 and 4 for new (after July 1, 1973) process emission sources.

6 NYCRR 212.4 (c)
This rule requires existing sources (in operation after July 1, 1973) of solid particulates with environmental rating of B or C which are not subject to Table 5 "Processes for which Permissible Emission Rate is Based on Process Weight, to be limited to an particulate emission rate not to exceed 0.05 grains per dry standard cubic foot.

6 NYCRR 225-1.2
This section of the regulation establishes sulfur-in-fuel limitations for coal, residual oil, distillate oil, and waste oil.

6 NYCRR 225-1.5 (c)
This citation sets the daily and weekly fuel monitoring requirements for subject emission sources.

6 NYCRR 225-2.3 (b) (1)
This regulation requires that each piece of equipment which fires Waste Fuel A demonstrate, at a minimum, 99% combustion efficiency in burning Waste fuel A

6 NYCRR 227-1.2 (a) (1)
This regulation establishes a particulate emission limit in terms of lbs per mmBtu of heat input for stationary combustion units of greater than 250 mmBtu/hr heat input capacity which fire coal, oil, or coal derived fuels.

6 NYCRR 227-1.3 (a)

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

6 NYCRR 227-1.4 (b)
This regulation requires the specific contents of excess emissions reports for opacity from facilities that employ continuous opacity monitors (COMs).

6 NYCRR 227-2.4 (b) (1)
NOx emission limits for large boilers.

6 NYCRR 227-2.4 (c) (1) (ii)
NOx RACT limit effective 7/1/14.

6 NYCRR 227-2.4 (d)
This section includes NOx RACT requirements for small boilers, small combustion turbines, and small stationary internal combustion engines.

6 NYCRR 227-2.5 (c)
An Alternate NOX RACT emission limit for Boiler 5 is established as 0.20 lb/mmBtu unless annual emissions exceed 12.2 tpy, at which point the limit is 0.06 lb/mmBtu.

Boiler 8 is not allowed to combust fossil fuel after July 1, 2014.

6 NYCRR 228-1.3 (a)
Particulate overspray from the paint booth must not cause an emission of 20% opacity.

6 NYCRR 228-1.3 (b)

The facility must keep copies of coating certifications from the vendor.

6 NYCRR 228-1.3 (d)

The facility must handle VOCs to minimize fugitive emissions.

6 NYCRR 228-1.4
The facility is subject to the pounds per gallon of VOC limits of Part 228.

6 NYCRR 228-2.4 (a)
This rule limits VOC content of adhesives, sealants, and such primers.

6 NYCRR 230.2 (a) (1)

6 NYCRR 230.2 (f)

6 NYCRR 231-10.5
This section provides for the creation of ERCs.

6 NYCRR 231-11.2 (b)
This subdivision is referred to as the "Reasonable Possibility" provisions. This citation lists the record keeping requirements for insignificant modifications that are less than 50% of the applicable significant project threshold including excluded emissions as defined in Part 231-4.1(b)(40)(i)(c).

6 NYCRR 231-11.2 (c)
This citation lists the record keeping requirements for insignificant modifications that are greater than 50% of the threshold including excluded emissions as defined in 231-4.1(b)(40)(i)(c) of this Part.

6 NYCRR 231-3.5 (b)
This condition specifies a facility's obligation if there is a relaxation of permit conditions that make the

facility major for PSD.

6 NYCRR 243-1.6

6 NYCRR 243-1.6 (e)

6 NYCRR 243-2.1

6 NYCRR 243-8.1

6 NYCRR 243-8.5

6 NYCRR 257-1.4

6 NYCRR 617.11 (d)

6 NYCRR Part 226
This regulation specifies the general requirements, equipment specifications and operating requirements for open-top vapor, conveyorized and cold cleaning degreasers.

6 NYCRR Subpart 201-7
The facility is subject to capping conditions for emission units R-ENTL and 1-CHP08 in this permit modification for the following pollutants.

Total heat - the total heat input to the two new package boilers cannot exceed 975,000 mmBtu per year based on a twelve month rolling average. Heat input will be calculated using daily fuel burned in each boiler and heating value of the fuel provided from either vender certification or fuel analysis. This heat input limit ensures that NOx will remain under the 40tpy PSD applicabaility threshold using the NOx RACT limit (and vender guarantee) of 0.08 lb/mmBTu to calculate the heating value cap.

SO2 - Sulfur content is limited to 15 ppm as specified in the SO2 PTE calculations for the facility. This capping condition ensures the facility will not burn NO. 2 fuel oil with a sulfur content higher than 15 ppm even though 6NYCRR Part 225 states the facility may burn off any reserves of fuel oil with a higher sulfur content. This condition will expire on July 1, 2016 when it is no longer legal under 6NYCRR Part 225 to burn any fuel oil with a sulfur content greater than 15ppm.

Capping conditions were removed from the draft Title V permit modification for the following pollutants: PM-10, PM-2.5, Total HAPS, Individual HAPS based on revised facility PTE calculations. The rental and package boilers are restricted from running simultaneously which lowered PM-10 and PM-2.5 PTE's using the AP-42 factors recommended by EPA. NOx and PM caps were removed and subsequently replaced with an total heat cap for the two package boilers which will limit NOx emissions below the PSD

applicability threshold. Revised HAP calculations show the facility is less than 80% of the PSD threshold for both individual and total HAPS on a PTE basis. Any minor operation changes in the future to process sources at the facility will not impact the PTE calculations to the extent where the PSD thresholds are exceeded.

6 NYCRR Subpart 202-1

6 NYCRR Subpart 231-3

The purpose of this Part is to establish the new source review (NSR) preconstruction, construction and operation requirements for new and modified facilities in a manner which furthers the policy and objectives of Article 19 of the Environmental Conservation Law, and meets the Plan Requirements for Nonattainment Areas (Part D) and Prevention of Significant Deterioration (PSD) of Air Quality (Part C) of subchapter I of the Act.

Compliance Certification
Summary of monitoring activities at CORNELL UNIVERSITY MAIN CAMPUS:

Location Facility/EU/EP/Process/ES	Cond No.	Type of Monitoring
FACILITY	62	record keeping/maintenance procedures
FACILITY	63	record keeping/maintenance procedures
FACILITY	64	record keeping/maintenance procedures
FACILITY	65	monitoring of process or control device parameters as surrogate
FACILITY	66	monitoring of process or control device parameters as surrogate
FACILITY	67	monitoring of process or control device parameters as surrogate
FACILITY	68	monitoring of process or control device parameters as surrogate
FACILITY	69	record keeping/maintenance procedures
FACILITY	70	record keeping/maintenance procedures
FACILITY	71	intermittent emission testing
FACILITY	72	record keeping/maintenance procedures
FACILITY	73	record keeping/maintenance procedures
FACILITY	74	monitoring of process or control device parameters as surrogate
FACILITY	75	record keeping/maintenance procedures

FACILITY	76	intermittent emission testing
FACILITY	77	intermittent emission testing
FACILITY	78	intermittent emission testing
FACILITY	79	monitoring of process or control device parameters as surrogate
FACILITY	80	intermittent emission testing
FACILITY	81	intermittent emission testing
FACILITY	82	intermittent emission testing
FACILITY	83	intermittent emission testing
FACILITY	84	intermittent emission testing
FACILITY	85	intermittent emission testing
FACILITY	86	intermittent emission testing
FACILITY	87	intermittent emission testing
FACILITY	88	intermittent emission testing
FACILITY	89	intermittent emission testing
FACILITY	90	intermittent emission testing
FACILITY	91	intermittent emission testing
FACILITY	92	intermittent emission testing
FACILITY	93	intermittent emission testing
FACILITY	94	record keeping/maintenance procedures
FACILITY	95	record keeping/maintenance procedures
FACILITY	96	record keeping/maintenance procedures
FACILITY	97	record keeping/maintenance procedures
FACILITY	98	record keeping/maintenance procedures
FACILITY	99	record keeping/maintenance procedures
FACILITY	100	record keeping/maintenance procedures
FACILITY	101	monitoring of process or control device parameters as surrogate
FACILITY	102	monitoring of process or control device parameters as surrogate
FACILITY	103	record keeping/maintenance procedures
FACILITY	104	monitoring of process or control device parameters as surrogate
FACILITY	2-17	record keeping/maintenance procedures
FACILITY	2-15	record keeping/maintenance procedures
1-CHP01/-/67G	128	record keeping/maintenance procedures
1-CHP01/-/67O	145	record keeping/maintenance procedures
FACILITY	2-16	record keeping/maintenance procedures
1-CHP01/-/67O	151	monitoring of process or control device parameters as surrogate
1-CHP01/-/67O	152	continuous emission monitoring (cem)
1-CHP01/-/67G	134	continuous emission monitoring (cem)
1-CHP01/-/67O	153	continuous emission monitoring (cem)
1-CHP01/-/67G	136	record keeping/maintenance procedures
1-CHP01/-/67O	156	record keeping/maintenance procedures
1-CHP01/-/67G	137	record keeping/maintenance procedures
1-CHP01/-/67O	157	record keeping/maintenance procedures
1-CHP01/-/67G	138	record keeping/maintenance procedures
1-CHP01/-/67O	158	record keeping/maintenance procedures
1-CHP01/-/67G	139	record keeping/maintenance procedures
1-CHP01/-/67O	159	record keeping/maintenance procedures
1-CHP01/-/67O	160	record keeping/maintenance procedures
FACILITY	2-18	record keeping/maintenance procedures
FACILITY	2-19	intermittent emission testing
FACILITY	2-20	record keeping/maintenance procedures
2-PAINT/-/PB2	196	monitoring of process or control device parameters as surrogate
FACILITY	109	record keeping/maintenance procedures
1-CHP07	174	record keeping/maintenance procedures
1-CHP07	175	record keeping/maintenance procedures
1-CHP07	176	monitoring of process or control device parameters as surrogate
1-CHP07	177	record keeping/maintenance procedures
1-CHP07	178	monitoring of process or control device parameters

		as surrogate
FACILITY	110	record keeping/maintenance procedures
1-CHP06	172	record keeping/maintenance procedures
1-FD001/-/GD1	188	record keeping/maintenance procedures
1-FD001/-/GD2	189	record keeping/maintenance procedures
2-PAINT/-/PB3	197	record keeping/maintenance procedures
2-PAINT/-/PB3	198	record keeping/maintenance procedures
2-PAINT	190	record keeping/maintenance procedures
FACILITY	111	record keeping/maintenance procedures
FACILITY	2-21	record keeping/maintenance procedures
FACILITY	2-22	record keeping/maintenance procedures
FACILITY	2-23	record keeping/maintenance procedures
FACILITY	113	monitoring of process or control device parameters as surrogate
FACILITY	114	intermittent emission testing
FACILITY	115	record keeping/maintenance procedures
FACILITY	116	record keeping/maintenance procedures
FACILITY	117	record keeping/maintenance procedures
FACILITY	118	record keeping/maintenance procedures
1-CHP06	169	record keeping/maintenance procedures
FACILITY	2-1	record keeping/maintenance procedures
FACILITY	2-2	record keeping/maintenance procedures
FACILITY	24	record keeping/maintenance procedures
1-CHP06	2-25	record keeping/maintenance procedures
FACILITY	2-4	intermittent emission testing
FACILITY	2-5	intermittent emission testing
FACILITY	2-6	monitoring of process or control device parameters as surrogate
FACILITY	2-7	monitoring of process or control device parameters as surrogate
FACILITY	27	monitoring of process or control device parameters as surrogate
FACILITY	28	intermittent emission testing
FACILITY	29	continuous emission monitoring (cem)
FACILITY	30	continuous emission monitoring (cem)
FACILITY	31	monitoring of process or control device parameters as surrogate
FACILITY	32	continuous emission monitoring (cem)
FACILITY	33	continuous emission monitoring (cem)
FACILITY	34	continuous emission monitoring (cem)
FACILITY	36	continuous emission monitoring (cem)
FACILITY	37	continuous emission monitoring (cem)
FACILITY	38	continuous emission monitoring (cem)
FACILITY	39	continuous emission monitoring (cem)
1-CHP07	173	monitoring of process or control device parameters as surrogate
2-PAINT/-/PB2	2-26	record keeping/maintenance procedures
1-CHP06	170	record keeping/maintenance procedures
1-CHP06	171	record keeping/maintenance procedures
FACILITY	7	record keeping/maintenance procedures
FACILITY	47	record keeping/maintenance procedures
FACILITY	208	record keeping/maintenance procedures
FACILITY	48	intermittent emission testing
FACILITY	2-8	work practice involving specific operations
FACILITY	50	record keeping/maintenance procedures
1-CHP01/-/67O	141	record keeping/maintenance procedures
FACILITY	51	record keeping/maintenance procedures
1-CHP01/-/67O	142	intermittent emission testing
FACILITY	2-9	monitoring of process or control device parameters as surrogate
1-CHP01	2-24	continuous emission monitoring (cem)
1-CHP01	125	continuous emission monitoring (cem)
1-CHP01/-/67G	126	continuous emission monitoring (cem)
1-CHP01/-/67O	143	continuous emission monitoring (cem)

1-CHP03	166	intermittent emission testing
FACILITY	2-10	intermittent emission testing
FACILITY	53	record keeping/maintenance procedures
1-CHP03	167	intermittent emission testing
2-PAINT/-/PB2	192	monitoring of process or control device parameters as surrogate
2-PAINT/-/PB2	193	record keeping/maintenance procedures
2-PAINT/-/PB2	195	record keeping/maintenance procedures
2-WDSHP/-/WS2	199	record keeping/maintenance procedures
FACILITY	54	record keeping/maintenance procedures
FACILITY	2-13	record keeping/maintenance procedures
FACILITY	2-14	record keeping/maintenance procedures
FACILITY	2-11	record keeping/maintenance procedures
FACILITY	2-12	record keeping/maintenance procedures
FACILITY	61	record keeping/maintenance procedures
1-CHP03	168	record keeping/maintenance procedures
FACILITY	209	continuous emission monitoring (cem)

Basis for Monitoring

Cornell is required to monitor emissions of CO and NOx from its combustion turbine, and emissions of NOx and opacity from its boilers. Annual emissions must be computed from its rental and package boilers using vender guarantee's, emission factors and heat input (calculated by fuel use and heat content of fuel).