

New York State Department of Environmental Conservation

Permit Review Report

Permit ID: 4-0101-00153/00005 Renewal Number: 1



05/14/2007

Facility Identification Data

Name: SUNY AT ALBANY
Address: 1400 WASHINGTON AVE
ALBANY, NY 12222

Owner/Firm

Name: STATE UNIVERSITY OF NEW YORK
Address: STATE UNIVERSITY PLAZA
381 BROADWAY
ALBANY, NY 12246, USA
Owner Classification: State

Permit Contacts

Division of Environmental Permits:
Name: ANGELO A MARCUCCIO
Address: 1130 N WESTCOTT RD
SCHENECTADY, NY 12306-2014
Phone:5183572069

Division of Air Resources:
Name: BRUCE B ONEILL
Address: 1130 N WESTCOTT RD
SCHENECTADY, NY 12306-2014

Air Permitting Facility Owner Contact:
Name: VINCENT T FRANCONERE
Address: SUNY ALBANY
CHEMISTRY B-73
ALBANY, NY 12222
Phone:5184423495

Permit Description

Introduction

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

Summary Description of Proposed Project

APPLICATION FOR RENEWAL OF AIR TITLE V FACILITY. APPLICATION INCLUDES

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BOILER 2 (B002) DE-RATED FROM 125 MMBTU/HR TO 95 MMBTU/HR WHICH WILL OCCUR DURING 2004.

Attainment Status

SUNY AT ALBANY is located in the town of ALBANY in the county of ALBANY. 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*	MARGINAL NON-ATTAINMENT
Oxides of Nitrogen (NOx)**	ATTAINMENT
Carbon Monoxide (CO)	ATTAINMENT

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

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

Facility Description

THE FACILITY IS A STATE UNIVERSITY WITH EDUCATIONAL AND RESEARCH FACILITIES. A CENTRAL HEATING PLANT CONTAINS FOUR HIGH TEMPERATURE WATER GENERATORS WHICH PROVIDE HOT WATER FOR SPACE HEATING. ADDITIONAL AIR CONTAMINANT EMISSIONS SOURCES INCLUDE SMALLER, EXEMPT BOILER/FURNACES, EMERGENCY POWER GENERATORS, FUEL OIL AND GASOLINE STORAGE TANKS, LABORATORY VENTS, AND VARIOUS TRIVIAL SOURCES.

Permit Structure and Description of Operations

The Title V permit for SUNY AT ALBANY 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



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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.

SUNY AT ALBANY is defined by the following emission unit(s):

Emission unit U10001 - FOUR HIGH TEMPERATURE WATER BOILERS EXHAUSTING THROUGH EMISSION POINT 10001 LOCATED AT THE POWER PLANT. THE BOILERS RANGE IN SIZE FROM 77 TO 122 MMBTU/HR HEAT INPUT. BOILER #1 (SOURCE ID 00001) WAS INSTALLED IN 1997 AND IS SUBJECT TO THE FEDERAL BOILER NSPS REQUIREMENTS IN 40 CFR 60 SUBPART Dc. BOILER #2 (SOURCE ID 00002) WAS INSTALLED IN 2000 AND IS SUBJECT TO THE FEDERAL BOILER NSPS IN 40 CFR 60, SUBPART Db.

Emission unit U10001 is associated with the following emission points (EP): 00001

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

Process: 100 is located at MAIN, Building 18 - COMBUSTION OF NATURAL GAS AS A PRIMARY FUEL. SUCH COMBUSTION PRODUCES HOT WATER FOR SPACE HEATING AND FOR THE OPERATION OF ADSORPTION CHILLERS FOR COOLING.

Process: 200 is located at MAIN, Building 18 - COMBUSTION OF #2 OIL AS A SECONDARY FUEL. SUCH COMBUSTION PRODUCES HOT WATER FOR SPACE HEATING AND FOR THE OPERATION OF ADSORPTION CHILLERS FOR COOLING. WHEN FIRING OIL IN EMISSION SOURCES 00001, 00003, 00004, FLUE GAS IS ROUTED THROUGH CENTRIFUGAL COLLECTORS ATTACHED TO EACH BOILER FOR PARTICULATE MATTER REDUCTION.

Process: 300 is located at MAIN, Building 18 - COMBUSTION OF #6 OIL AS A SECONDARY FUEL. SUCH COMBUSTION PRODUCES HOT WATER FOR SPACE HEATING AND FOR THE OPERATION OF ADSORPTION CHILLERS FOR COOLING. WHEN FIRING OIL, FLUE GAS IS ROUTED THROUGH CENTRIFUGAL COLLECTORS ATTACHED TO EACH BOILER FOR PARTICULATE MATTER REDUCTION.

Title V/Major Source Status

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SUNY AT ALBANY is subject to Title V requirements. This determination is based on the following information:

The facility is major for SO₂ and CO.

Program Applicability

The following chart summarizes the applicability of SUNY AT ALBANY with regards to the principal air pollution regulatory programs:

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

NOTES:

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

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

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

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

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

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

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

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

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

Compliance Status

Facility is in compliance with all requirements

SIC Codes

SIC or Standard Industrial Classification code is an industrial code developed by the federal Office of Management and Budget for use, among other things, in the classification of establishments by the type of activity in which they are engaged. Each operating



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establishment is assigned an industry code on the basis of its primary activity, which is determined by its principal product or group of products produced or distributed, or services rendered. Larger facilities typically have more than one SIC code.

SIC Code	Description
8221	COLLEGES AND UNIVERSITIES, NEC

SCC Codes

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

SCC Code	Description
1-03-006-02	EXTERNAL COMBUSTION BOILERS - COMMERCIAL/INDUSTRIAL COMMERCIAL/INSTITUTIONAL BOILER - NATURAL GAS 10-100 MMBtu/Hr
1-03-004-02	EXTERNAL COMBUSTION BOILERS - COMMERCIAL/INDUSTRIAL COMMERCIAL/INSTITUTIONAL BOILER - RESIDUAL OIL
1-02-005-01	10-100MMBTU/HR ** EXTERNAL COMBUSTION BOILERS - INDUSTRIAL INDUSTRIAL BOILER - DISTILLATE OIL Grades 1 and 2 Oil

Facility Emissions Summary

In the following table, the CAS No. or Chemical Abstract Series code is an identifier assigned to every chemical compound. [NOTE: Certain CAS No.'s contain a 'NY' designation within them. These are not true CAS No.'s but rather an identification which has been developed by the department to identify groups of contaminants which ordinary CAS No.'s do not do. As an example, volatile organic compounds or VOC's are identified collectively by the NY CAS No. 0NY998-00-0.] The PTE refers to the Potential to Emit. This is defined as the maximum capacity of a facility or air contaminant source to emit any air contaminant under its physical and operational design. Any physical or operational limitation on the capacity of the facility or air contamination source to emit any air contaminant, including air pollution control equipment and/or restrictions on the hours of operation, or on the type or amount or material combusted, stored, or processed, shall be treated as part of the design only if the limitation is contained in federally enforceable permit conditions. The PTE Range represents an emission range for a contaminant. Any PTE quantity that is displayed represents a facility-wide emission cap or limitation for that contaminant. If no PTE quantity is displayed, the PTE Range is provided to indicate the approximate magnitude of facility-wide emissions for the specified contaminant in terms of tons per year (tpy). The term 'HAP' refers to any of the hazardous air pollutants listed in section 112(b) of the Clean Air Act Amendments of 1990. Total emissions of all hazardous air pollutants are listed under the special NY CAS No. 0NY100-00-0. In addition, each individual hazardous air pollutant is also listed under its own

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specific CAS No. and is identified in the list below by the (HAP) designation.

Cas No.	Contaminant Name	PTE	
		lbs/yr	Range
000630-08-0	CARBON MONOXIDE	475000	
0NY100-00-0	HAP		>= 2.5 tpy but < 10 tpy
007439-92-1	LEAD (HAP)		> 0 but < 10 tpy
0NY210-00-0	OXIDES OF NITROGEN	190000	
0NY075-00-0	PARTICULATES	475000	
0NY075-00-5	PM-10		>= 10 tpy but < 25 tpy
007446-09-5	SULFUR DIOXIDE	475000	
0NY998-00-0	VOC	95000	

NOTIFICATION OF GENERAL PERMITTEE OBLIGATIONS

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

An emergency constitutes an affirmative defense to an action brought for noncompliance with emissions limitations or permit conditions for all facilities in New York State.

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

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

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

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

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

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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.

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Item H: Property Rights - 6 NYCRR Part 201-6.5(a)(6)

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

Item I: Severability - 6 NYCRR Part 201-6.5(a)(9)

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

Item J: Permit Shield - 6 NYCRR Part 201-6.5(g)

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

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

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Item K: Reopening for Cause - 6 NYCRR Part 201-6.5(i)

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

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

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

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

Item L: Permit Exclusion - ECL 19-0305

The issuance of this permit by the Department and the receipt thereof by the Applicant does not and shall not be construed as barring, diminishing, adjudicating or in any way affecting any legal, administrative or equitable rights or claims, actions, suits, causes

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

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

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

NOTIFICATION OF GENERAL PERMITTEE OBLIGATIONS

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

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

The owner or operator of the permitted facility must maintain all required records on-site for a period of five years and make them available to representatives of the Department upon request. Department representatives must be granted access to any facility regulated by this Subpart, during normal operating hours, for the purpose of determining compliance with this and any other state and federal air pollution control requirements, regulations or law.

Regulatory Analysis

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Location Facility/EU/EP/Process/ES	Regulation	Short Description	Condition
FACILITY	ECL 19-0301	Powers and Duties of the Department with respect to air pollution control	85
FACILITY	40CFR 52-A.21	Prevention of Significant Deterioration	25, 26, 27
FACILITY	40CFR 60-A.11 (d)	General provisions - compliance with standards and maintenance requirements	39
FACILITY	40CFR 60-A.12	General provisions - Circumvention	40
FACILITY	40CFR 60-A.13 (d)	General provisions - Monitoring requirements	41
FACILITY	40CFR 60-A.13 (e)	General provisions - Monitoring requirements	42
FACILITY	40CFR 60-A.13 (h)	General provisions - Monitoring requirements	43
U-10001/00001	40CFR 60-A.15	General provisions - Reconstruction	66
U-10001/00001	40CFR 60-A.7 (a) (4)	Notification and Recordkeeping	65
FACILITY	40CFR 60-A.7 (b)	Notification and Recordkeeping	34
FACILITY	40CFR 60-A.7 (c)	Notification and Recordkeeping	35
FACILITY	40CFR 60-A.7 (d)	Notification and Recordkeeping	36
FACILITY	40CFR 60-A.7 (f)	Notification and Recordkeeping	37
FACILITY	40CFR 60-A.9	General provisions - Availability of information	38
U-10001/00001/200/00002	40CFR 60-Db.42b(g)	Standard for Sulfur Dioxide Period of Requirements.	70
U-10001/00001/200/00002	40CFR 60-Db.42b(j)	Exemption from Standards for Sulfur Dioxide.	71
FACILITY	40CFR 60-Db.43b(f)	Standard for Particulate Matter Opacity.	44
FACILITY	40CFR 60-Db.43b(g)	Standard for Particulate Matter Exemption.	45
FACILITY	40CFR 60-Db.44b(h)	Standards for Nitrogen Oxides Provisions.	46
FACILITY	40CFR 60-Db.44b(i)	Averaging Period.	47
FACILITY	40CFR 60-Db.44b(l) (1)	Standards for Nitrogen Oxides (firing coal, oil, natural gas or a mixture of all).	48
U-10001/00001/200/00002	40CFR 60-Db.45b(j)	Compliance and Performance Test Methods and Procedures for Sulfur Dioxide.	72
FACILITY	40CFR 60-Db.46b(e) (4)	Compliance and Performance Test Methods for Nitrogen Oxides	49
U-10001/00001/200/00002	40CFR 60-Db.47b(f)	Exemption from Emission Monitoring for Sulfur Dioxide.	73
FACILITY	40CFR 60-Db.48b(a)	Emissions Monitoring for	50

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FACILITY	40CFR 60-Db.48b(b)	Particulate Matter and Nitrogen Oxides. Emission Monitoring for Particulate Matter and Nitrogen Oxides.	51
FACILITY	40CFR 60-Db.48b(c)	Emission Monitoring for Particulate Matter and Nitrogen Oxides.	52
FACILITY	40CFR 60-Db.48b(e) (2)	Emission monitoring for Particulate Matter and Nitrogen Oxides	53
FACILITY	40CFR 60-Db.48b(f)	Emission Monitoring for Particulate Matter and Nitrogen Oxides.	54
FACILITY	40CFR 60-Db.49b(d)	Reporting and Recordkeeping Requirements.	55
FACILITY	40CFR 60-Db.49b(f)	Reporting and Recordkeeping Requirements.	56
FACILITY	40CFR 60-Db.49b(g)	Reporting and Recordkeeping Requirements.	57
FACILITY	40CFR 60-Db.49b(h)	Reporting and Recordkeeping Requirements.	58
FACILITY	40CFR 60-Db.49b(i)	Reporting and Recordkeeping Requirements.	59
U-10001/00001/200/00002	40CFR 60-Db.49b(j)	Reporting and Recordkeeping Requirements.	74
U-10001/00001/200/00002	40CFR 60-Db.49b(r)	Reporting and Recordkeeping Requirements.	75
U-10001/00001/300/00001	40CFR 60-Dc.42c(g)	Averaging requirements.	76
U-10001/00001/200/00001	40CFR 60-Dc.42c(h)	Exemption from Averaging Requirements	67
U-10001/00001/300/00001	40CFR 60-Dc.44c(g)	Alternative Compliance and Performance Test Methods and Procedures for Sulfur Dioxide.	77, 78
U-10001/00001/300/00001	40CFR 60-Dc.46c(d) (1)	Alternative sulfur dioxide monitoring.	79
U-10001/00001/300/00001	40CFR 60-Dc.46c(d) (2)	Alternative sulfur dioxide emissions monitoring.	80
U-10001/00001/300/00001	40CFR 60-Dc.47c	Emission Monitoring for Particulate Matter.	81, 82
U-10001/00001/300/00001	40CFR 60-Dc.48c(c)	Reporting and Recordkeeping Requirements.	83
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U-10001/00001/200/00001	40CFR 60-Dc.48c(e) (11)	Reporting and Recordkeeping requirements - fuel supplier certifications	68
U-10001/00001/300/00001	40CFR 60-Dc.48c(e) (2)		84
U-10001/00001/200/00001	40CFR 60-Dc.48c(f) (1)	Reporting and Recordkeeping Requirements (distillate	69

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FACILITY	40CFR 60-Dc.48c(g)	oil). Reporting and Recordkeeping Requirements.	61
FACILITY	40CFR 68	Chemical accident prevention provisions	21
FACILITY	40CFR 82-F	Protection of Stratospheric Ozone - recycling and emissions reduction	22
FACILITY	6NYCRR 200.6	Acceptable ambient air quality.	1
FACILITY	6NYCRR 200.7	Maintenance of equipment.	10
FACILITY	6NYCRR 201-1.4	Unavoidable noncompliance and violations	86
FACILITY	6NYCRR 201-1.7	Recycling and Salvage	12
FACILITY	6NYCRR 201-1.8	Prohibition of reintroduction of collected contaminants to the air	11
FACILITY	6NYCRR 201-3.2(a)	Exempt Activities - Proof of eligibility	13
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Applicability Discussion:

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

ECL 19-301.

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

6NYCRR Part 200-.6

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

6NYCRR Part 200-.7

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

6NYCRR Part 201-1.4

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

6NYCRR Part 201-1.7

Requires the recycle and salvage of collected air contaminants where practical

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6NYCRR Part 201-1.8

Prohibits the reintroduction of collected air contaminants to the outside air

6NYCRR Part 201-3.2(a)

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

6NYCRR Part 201-3.3(a)

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

6NYCRR Part 201-6

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

6NYCRR 201-6.5(a)(4)

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

6NYCRR 201-6.5(a)(7)

This is a mandatory condition that requires the owner or operator of a facility

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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

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to be exceeded. The owner or operator of the facility must notify the Department of the change. It is applicable to all Title V permits which may be subject to an off permit change.

6NYCRR Part 202-1.1

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

6NYCRR Part 202-2.1

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

6NYCRR Part 202-2.5

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

6NYCRR Part 211-.2

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

6 NYCRR Part 211.3

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

6 NYCRR Part 215

Prohibits open fires at industrial and commercial sites.

40 CFR Part 68.

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

40 CFR Part 82, Subpart F

Subpart F requires the reduction of emissions of class I and class II refrigerants to the lowest achievable level during the service, maintenance, repair, and disposal of appliances in accordance with section 608 of the Clean Air Act Amendments of 1990. This subpart applies to any person servicing, maintaining, or repairing appliances except for motor vehicle air conditioners. It also applies to persons disposing of appliances, including motor vehicle air conditioners, refrigerant reclaimers,

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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, SUNY AT ALBANY has been determined to be subject to the following regulations:

40CFR 52-A.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) .

40CFR 60-A.11 (d)

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

40CFR 60-A.12

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

40CFR 60-A.13 (d)

This regulation contains the requirements for daily drift testing for continuous monitoring systems required by 40 CFR Part 60.

40CFR 60-A.13 (e)

This regulation specifies minimum frequency of operation requirements for continuous monitoring systems required by 40 CFR Part 60.

40CFR 60-A.13 (h)

This regulation specifies the data averaging requirements for continuous monitoring systems subject to 40 CFR Part 60.

40CFR 60-A.15

This regulation defines the term reconstruction and what is and is not considered to be a reconstruction project, for the purpose of rule applicability.

40CFR 60-A.7 (a) (4)

Applies to facilities making modifications.

40CFR 60-A.7 (b)

This regulation requires the owner or operator to maintain records of the occurrence and duration of any

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startup, shutdown, or malfunction of the source or control equipment or continuous monitoring system.

40CFR 60-A.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.

40CFR 60-A.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.

40CFR 60-A.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.

40CFR 60-A.9

This rule citation allows the public access to any information submitted to the EPA Administrator (or state contact), in conjunction with a project subject to this section of the regulation.

40CFR 60-Db.42b (g)

This subdivision contains a statement that all sulfur dioxide control requirements apply at all times.

40CFR 60-Db.42b (j)

This subdivision contains an exemption from the percent reduction requirements if the affected facility fires very low sulfur content oil.

40CFR 60-Db.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%.

40CFR 60-Db.43b (g)

This regulation specifies that the particulate matter and opacity standards apply at all times, except during periods of startup, shutdown or malfunction.

40CFR 60-Db.44b (h)

This regulation specifies that the NSPS nitrogen oxide standards apply at all time including periods of startup, shutdown, or malfunction.

40CFR 60-Db.44b (i)

This subdivision requires that the facility use a 30 day rolling average to determine compliance with any applicable standards in this Subpart.

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40CFR 60-Db.44b (l) (1)

This subdivision sets emissions standards for oxides of nitrogen for the firing of coal, oil, natural gas, or a mixture of all fuels.

40CFR 60-Db.45b (j)

This regulation specifies that owner or operators that combust very low sulfur oil are not subject to compliance and performance testing requirements for Sulfur Dioxide if they obtain fuel receipts as described in 40 CFR 60.49b(r)

40CFR 60-Db.46b (e) (4)

This paragraph sets the compliance and performance test methods and procedures for emissions of oxides of nitrogen.

40CFR 60-Db.47b (f)

Facilities combusting very low sulfur oil are not subject to emission monitoring requirements of the section if they obtain fuel receipts as described in 40 CFR 60-Db.49b(r).

40CFR 60-Db.48b (a)

This subdivision requires the installation of a continuous opacity monitor.

40CFR 60-Db.48b (b)

This regulation requires the owner or operator of the facility to install and operate a continuous emissions monitor to monitor emissions of oxides of nitrogen from the facility.

40CFR 60-Db.48b (c)

This regulation requires that the continuous monitoring system (CMS) and data recorder for nitrogen oxides be operated during all periods of operation of the affected facility except for CMS breakdowns and repairs. Data must be recorded during calibration checks, and zero and span adjustments.

40CFR 60-Db.48b (e) (2)

This paragraph sets the span value of the required continuous opacity monitor.

40CFR 60-Db.48b (f)

This regulation requires that standby methods of obtaining minimum emissions data for oxides of nitrogen be specified by the source owner or operator.

40CFR 60-Db.49b (d)

This subdivision requires reporting and recordkeeping for affected steam generating units - annual fuel capacity factors.

40CFR 60-Db.49b (f)

This subdivision specifies that monitored opacity records must be kept at the facility.

40CFR 60-Db.49b (g)

This subdivision requires reporting and recordkeeping for affected steam generating units - specific

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oxides of nitrogen requirements.

40CFR 60-Db.49b (h)

This subdivision specifies that the facility must submit excess emission reports.

40CFR 60-Db.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).

40CFR 60-Db.49b (j)

This subdivision specifies that the facility submit reports on sulfur dioxide emission records.

40CFR 60-Db.49b (r)

This regulation specifies that owner or operators that combust very low sulfur oil are required to obtain fuel receipts. The oil need not meet the fuel nitrogen content specification in the definition of distillate oil.

Reports shall be submitted to the Administrator certifying that only very low sulfur oil meeting this definition was combusted

40CFR 60-Dc.42c (g)

This regulation requires that compliance with emission limits, percent reduction, and fuel oil sulfur limitations be based on a 30 day rolling average

40CFR 60-Dc.42c (h)

This regulation requires that compliance with emission limits and/or fuel oil sulfur limitations be based on a certification from the fuel supplier as stated in paragraph 40 CFR 60-Dc.48c(f)(1), (2), or (3) as applicable

40CFR 60-Dc.44c (g)

This regulation requires that oil fired facilities, demonstrating compliance with the sulfur dioxide standard through sampling and analysis, must test every shipment of oil after the initial approval of the sampling plan.

40CFR 60-Dc.46c (d) (1)

This regulation allows the owner of operator of an affected facility to determine the average sulfur dioxide emission rate by sampling the fuel prior to its combustion and calculating the emissions instead of installing and operating a continuous emissions monitor at the inlet of the control device.

40CFR 60-Dc.46c (d) (2)

This regulation allows the owner of operator of an affected facility to determine the average sulfur dioxide emission rate by sampling the fuel prior to its combustion and calculating the emissions instead of installing and operating a continuous emissions monitor at the inlet of the control device

40CFR 60-Dc.47c

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

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40CFR 60-Dc.48c (c)

This regulation requires the owner or operator of each coal-fired, residual, oil-fired, or wood-fired affected facility subject to the opacity limits under §60.43c(c) to submit excess emission reports, to the EPA semiannually. All reports shall be postmarked by the 30th day following the end of each semiannual reporting period

40CFR 60-Dc.48c (d)

This regulation requires the owner or operator of the facility subject to the SO₂ emission limits, fuel oil sulfur limits, or percent reduction requirements under §60.42c, to submit semi-annual reports to the EPA

40CFR 60-Dc.48c (e) (11)

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

40CFR 60-Dc.48c (e) (2)

Reporting and recordkeeping provisions for facilities subject to a sulfur-in-fuel standard, sulfur dioxide emission limit, or percent reduction of sulfur dioxide emissions.

40CFR 60-Dc.48c (f) (1)

Fuel supplier certifications for distillate oil shall include the name of the oil supplier and a statement from the oil supplier that the oil complies with the specification under the definition of distillate oil in 40 CFR 60-Dc.41c

40CFR 60-Dc.48c (g)

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

6NYCRR 201-7

This regulation sets forth an emission cap that cannot be exceeded by the facility. In this permit that cap is

6NYCRR 202-1.2

This regulation specifies that the department is to be notified at least 30 days in advance of any required stack test. The notification is to include a list of the procedures to be used that are acceptable to the department. Finally, free access to observe the stack test is to be provided to the department's representative.

6NYCRR 202-1.3 (a)

This regulation requires that any emission testing, sampling and analytical determination used to determine compliance must use methods acceptable to the department. Acceptable test methods may include but are not limited to the reference methods found in 40 CFR Part 60 appendix A and Part 61, appendix B. In addition, unless otherwise specified, all emission test reports must be submitted within 60 days after completion of testing.

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6NYCRR 225-1.7 (b)

This regulation requires the use of continuous emissions monitors to monitor the emissions of sulfur dioxide. This applies to facilities with a total heat input greater than 250 million BTU per hour, are equipped with approved sulfur dioxide control equipment and are subject to the sulfur dioxide equivalent emission rate pursuant to 6 NYCRR Part 225-1.5(a)

6NYCRR 225-1.8

This regulation requires an owner or operator of a facility which purchases and fires coal and/or oil to submit reports to the commissioner containing fuel analysis data, 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.

6NYCRR 227-1

This emission limit applies to any oil fired stationary combustion installation.

6NYCRR 227-1.3

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

6NYCRR 227-1.4 (a)

Subdivisions (a) and (f) of this section (227-1.4) have not been approved by EPA and have not been included in the NYS SIP.

6NYCRR 227-2

This regulation limits the emission of oxides of nitrogen (NOx) from stationary combustion installations (boilers, combustion turbines and internal combustion engines).

6NYCRR 231-2

The provisions of Subpart 231-2 apply to new or modified major facilities. The contaminants of concern state-wide are nitrogen oxides and volatile organic compounds since New York State is located in the ozone transport region and because there are ozone non-attainment areas within the state. In addition, particulate matter less than 10 microns in size (PM-10) is a non-attainment contaminant in Manhattan County.

Compliance Certification

Summary of monitoring activities at SUNY AT ALBANY:

Location Facility/EU/EP/Process/ES	Type of Monitoring	Cond No.
FACILITY	record keeping/maintenance procedures	41
FACILITY	record keeping/maintenance procedures	42
FACILITY	record keeping/maintenance procedures	43
U-10001/00001	record keeping/maintenance procedures	65
FACILITY	record keeping/maintenance procedures	35
FACILITY	monitoring of process or control device parameters as surrogate	44
FACILITY	continuous emission monitoring (cem)	48



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U-10001/00001/200/00002	record keeping/maintenance procedures	72
FACILITY	continuous emission monitoring (cem)	49
FACILITY	record keeping/maintenance procedures	52
FACILITY	record keeping/maintenance procedures	53
FACILITY	record keeping/maintenance procedures	55
FACILITY	record keeping/maintenance procedures	56
FACILITY	record keeping/maintenance procedures	57
FACILITY	record keeping/maintenance procedures	58
FACILITY	record keeping/maintenance procedures	59
U-10001/00001/200/00002	record keeping/maintenance procedures	74
U-10001/00001/200/00002	record keeping/maintenance procedures	75
U-10001/00001/300/00001	monitoring of process or control device	78
	parameters as surrogate	
U-10001/00001/300/00001	monitoring of process or control device	79
	parameters as surrogate	
U-10001/00001/300/00001	monitoring of process or control device	80
	parameters as surrogate	
U-10001/00001/300/00001	record keeping/maintenance procedures	83
FACILITY	record keeping/maintenance procedures	60
U-10001/00001/200/00001	record keeping/maintenance procedures	68
U-10001/00001/300/00001	record keeping/maintenance procedures	84
U-10001/00001/200/00001	record keeping/maintenance procedures	69
FACILITY	record keeping/maintenance procedures	61
FACILITY	record keeping/maintenance procedures	5
FACILITY	record keeping/maintenance procedures	6
FACILITY	monitoring of process or control device	25
	parameters as surrogate	
FACILITY	monitoring of process or control device	26
	parameters as surrogate	
FACILITY	monitoring of process or control device	27
	parameters as surrogate	
FACILITY	monitoring of process or control device	28
	parameters as surrogate	
U-10001/00001	work practice involving specific	64
	operations	
FACILITY	record keeping/maintenance procedures	7
FACILITY	record keeping/maintenance procedures	31
FACILITY	intermittent emission testing	32
FACILITY	record keeping/maintenance procedures	33

Basis for Monitoring

Monitoring conditions in this permit are of 5 types:

1. Permit conditions with “Continuous Emission Monitoring (CEM)”: this type of monitoring involves the direct measurement of contaminant (or surrogate contaminant) emissions from an emission point using instrumentation which operates on a continuous basis.

The boiler #1 COMS (Continuous Opacity Monitoring System) and the boiler #2 COMS and NOx CEMS is this type of monitoring

2. Permit conditions with “intermittent emission testing”: this type of monitoring involves the direct measurement of contaminant (or surrogate contaminant) emissions from an emission point on a periodic basis.

The PM testing at a frequency of “once during the term of the permit” is this type of monitoring.

3. Permit conditions with “monitoring of process or control device parameters as surrogate”: this type of

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monitoring involves the indirect measurement of emissions via monitoring of process or control device parameters and performance on a continuous or periodic basis.

The daily opacity check while burning oil and the SO₂, CO, PM, NO_x and VOC emission caps are this type of monitoring.

4. Permit conditions with “work practices involving specific operations”: this type of monitoring involves activities where time of operation, thru put of product, thru put of raw material, or parameter of a process material thru put is being measured and represents an operating limit.

The boiler #1 fuel supplier certification for fuel sulfur content, the boiler #2 requirement to have fuel receipts to demonstrate sulfur content, the 0.5% fuel oil sulfur content cap, and the heat input cap are this type of monitoring.

5. Permit conditions with “record keeping/maintenance procedures”: this type of monitoring refers to activities involving the upkeep of records to demonstrate compliance with a requirement or the application of maintenance procedures which may be necessary to maintain acceptable operations.

The remainder of the monitoring conditions are this type of monitoring.