OREGON DEPARTMENT OF ENVIRONMENTAL QUALITY
OREGON TITLE V OPERATING PERMIT and ACID RAIN PERMIT

Northwest Region
2020 SW 4th Street, Suite 400
Portland, OR 97201
Telephone: (503) 229-5263

~~Issued in accordance with the provisions of ORS 468A.040~~
~~and based on the land use compatibility findings included in the permit record.~~

ISSUED TO:

Portland General Electric Company
c/o Environmental Services Department
121 SW Salmon Street
Portland, OR 97204

INFORMATION RELIED UPON:

Renewal Application
Number : 021882
Received: 06/23/06

Significant Permit
Modification Application
Number: 22942
Received: 04/03/08
Revised: 05/23/08

PLANT SITE LOCATION:

Beaver Plant
80997 Kallunki Road
Clatskanie, OR 97016

Port Westward Plant
81566 Kallunki Road
Clatskanie, OR 97016

LAND USE COMPATIBILITY STATEMENT:

From: Columbia County
Dated: 10/07/91

ISSUED BY THE DEPARTMENT OF ENVIRONMENTAL QUALITY

Cory Ann Wind, NWR Air Quality Program Manager — Date: 01/21/09

Nature of Business: Electric power generation, greater than 25 MW, and fuel burning equipment, outside AQMA, oil fired, greater than 30 MMBtu per hour heat input

Primary SIC: 4911

Acid Rain Program Identification: Plant Name: Port Westward
State: Oregon
ORIS code: 56227

RESPONSIBLE OFFICIAL		ACID RAIN DESIGNATED REPRESENTATIVE		FACILITY CONTACT PERSON	
Title:	Vice President, Power Supply/Gen. Plant Manager	Name:	Ray Hendricks	Name:	Ray Hendricks
		Title:	Designated Representative	Title:	Environmental Engineer
				Phone:	(503) 464-8519

Pages 2 - 20 redacted -- outside the scope of the SIP

~~61. Applicable Requirement: Emissions from new and modified equipment (Beaver Plant: PTEU1; Port Westward Plant: PWEU1 and PWABEU1) must not exceed the following emission limits for any 12 consecutive calendar month period: [OAR 340-222-0020, 340-222-0041 and 340-224-0070];~~

~~Table 8.~~

~~Emissions Units~~	~~Pollutant~~	~~Annual Emission Limit for new and modified equipment (ton/yr)~~	~~Monitoring Requirement~~	
			~~Method~~	~~Condition #~~
~~PTEU1, PWEU1, and PWABEU1~~	~~PM/PM_{10}~~	~~99~~	~~Recordkeeping~~	~~62 and 63~~
	~~CO~~	~~96~~	~~Recordkeeping and CEMS~~	~~62, 63 and 65~~
	~~NO_x~~	~~223~~	~~Recordkeeping and CEMS~~	~~53.c, 62, 63 and 64~~
	~~SO_2~~	~~36~~	~~Recordkeeping~~	~~53.a, 62, 63 and 66~~
	~~VOC~~	~~32~~	~~Recordkeeping~~	~~62 and 63~~

Plant Site Emissions Limit Monitoring:

62. Monitoring for Conditions 37, 0, 48, 29, 59, 60 and 61: The permittee must determine compliance with the Plant Site Emission Limits established in Conditions 59, 60 and 61 by conducting monitoring in accordance with the procedures, test methods, and frequencies in Conditions 62, 63, 64, 65 and 66.

62.a. The permittee must maintain records of the following process parameters:

Table 9.

Emission unit	Process Parameter	Units	Frequency
BEAVER PLANT			
GTEU6	Natural gas burned	cubic feet	monthly and annual
	Distillate fuel oil burned	Gallons	daily, monthly and annual
	Heat input*	Btu	monthly and annual
ABEU1	Natural gas burned	cubic feet	monthly and annual
	Distillate fuel oil burned	Gallons	monthly and annual
	Heat input*	Btu	monthly and annual
PTEU1	Natural gas burned	cubic feet	hourly, monthly and annual
PORT WESTWARD PLANT			
PWEU1	Natural gas burned	Cubic feet	hourly, monthly and annual
	Heat input*	Btu	monthly, annual
PWEU1 (duct burners)	Natural gas burned	Cubic feet	hourly, monthly and annual
	Heat input*	Btu	monthly, annual
PWABEU1	Natural gas burned	Cubic feet	hourly, monthly and annual
	Operations	Hours	monthly, annual

* Heat input is based on the amount of fuel burned and 1040 Btu/cubic foot for natural gas or 139,000 Btu/ gal for distillate oil.

62.b. The emission factors for calculating pollutant emissions are as follows:

Table 10.

Emission unit/device	Pollutant	Emission Factor	Units	Condition No.
BEAVER PLANT				
GTEU6 (natural gas)	PM/ PM_{10}	6.9	lb/mmcf	
	CO	34	lb/mmcf	
	NOx	CEM	NA	Condition 64
	SO_2	2.5	lb/mmcf	
	VOC	4.25	lb/mmcf	
GTEU6 (fuel oil)	PM/ PM_{10}	1.3	lb/1000 gal	
	CO	10.6	lb/1000 gal	
	NOx	CEM	NA	Condition 64
	SO2	Calculation	NA	Condition 66
	VOC	0.06	lb/1000 gal	
ABEU1 (natural gas)	PM/ PM_{10}	NA	NA	Included in AI
	CO	84	lb/mmcf	
	NO_x	100	lb/mmcf	
	SO_2	NA	NA	Included in AI
	VOC	NA	NA	Included in AI
ABEU1 (fuel oil)	PM/ PM_{10}	3.3	lb/1000 gal.	
	CO	5	lb/1000 gal.	
	NO_x	20	lb/1000 gal.	
	SO2	Calculation	NA	Condition 66
	VOC	0.25	lb/1000 gal.	
PTEU1 (natural gas)	PM/ PM_{10}	6.9	lb/mmcf	
	CO	CEM	NA	Condition 65
	NOx	CEM	NA	Condition 64
	SO_2	2.5	lb/mmcf	
	VOC	2.2	lb/mmcf	
PORT WESTWARD PLANT				
PWEU1 (natural gas)	PM/ PM_{10}	6.9	lb/mmcf	
	CO	CEM	NA	Condition 65
	NOx	CEM	NA	Conditions 53.c and 64
	SO_2	Calculation	lb/mmcf	Conditions 53.a and 66.b
	VOC	2.2	lb/mmcf	
PWABEU1 (natural gas)	PM/PM10	NA	NA	Included in AI
	CO	7.28	lb/hr	
	NOx	4.55	lb/hr	
	SO2	NA	NA	Included in AI
	VOC	NA	NA	Included in AI

62.c. The emissions factors listed in Condition 63 are not enforceable limits unless otherwise specified in this permit. Compliance with PSELs must be determined by the calculations contained in Conditions 53.a,

53.c, 63, 64, 65 and 66 using the monitored parameters recorded during the reporting period as required in Condition 62.a.

PSEL Calculations for Pollutants utilizing Emission Factors

63. The permittee must calculate the annual pollutant mass emissions for each 12 consecutive calendar month period for those pollutants utilizing emission factors using the following equation:

$$E = \Sigma(P_{eu} \times Ef_{eu}) \times K_1 + K_2$$

where:

E	=	pollutant emissions in tons/yr;
P_{eu}	=	process parameter identified in Condition 62.a;
Ef_{eu}	=	emission factor identified for each pollutant in Condition 62.b;
K_1	=	1 ton/2000 lbs; and
K_2	=	aggregate insignificant emissions (1 ton/yr)

PSEL Calculation for Emission Units utilizing NOx CEMs

64. Monitoring for Conditions 35, 36, 44, 45, 46, 29, and 59: During all operating periods, NO_x emissions from each combustion turbine within emissions unit GTEU6, NO_x emissions from emission unit PTEU1 and NOx emissions from PWEU1 must be determined using continuous monitoring systems installed, operated, and maintained in accordance with the manufacturer's instructions. The CEMS must, at a minimum, conform to the Department's Continuous Monitoring Manual dated January 1992, and the CEM for NO_x emissions from PWEU1 must conform to the Acid Rain Program requirements as detailed in 40 CFR Part 75 and Condition 53.c The CEMS must include a diluent oxygen monitor to calculate the NO_x emissions in accordance with the following equation:

$$E = C \times K_1 \times F_d \times [20.9/(20.9-\%O_2)] \times H$$

where:

E	=	NO_x emissions in pounds per hour;
C	=	NO_x emissions as measured by the CEMS (as measured ppm);
K_1	=	Constant for converting ppm to lb/dscf = 1.194×10^{-7};
F_d	=	EPA Method 19 value (8710 dscf/million Btu for natural gas and/or 9190 dscf/million Btu for fuel oil);
$\%O_2$	=	Oxygen concentration as measured by the CEMS (%); and
H	=	Turbine heat input (Btu);

Annual emissions must be calculated by the sum of the hourly emissions for each twelve calendar month period converted to tons.

64.a. In addition to operating the CEMS in accordance with the manufacturer's instructions, the permittee must operate the CEMS in accordance with the quality assurance plan on file with the Department.

64.b. Real time data must be displayed at least once every minute that the turbine(s) is in operation. Hourly averages of the data must be recorded once each clock hour that the turbine(s) is in operation.

64.c. Mininum data availability must be 90% for any day, month, and year of operation. Monitor availability must be determined excluding periods of calibrations, quality control activities, and routine maintenance.

PSEL Calculation for Emission Units utilizing CO CEMs

65. Monitoring for Conditions 36, 46, 29 and 59: During all operating periods, CO emissions from emission unit PTEU1 and CO emissions from PWEU1 must be determined using continuous monitoring systems installed, operated, and maintained in accordance with the manufacturer's instructions. The CEMS must, at a minimum, conform to the Department's Continuous Monitoring Manual dated January 1992. The CEMS must include a diluent oxygen monitor to calculate the CO emissions in accordance with the following equation:

$$E = C \times K_1 \times F_d \times [20.9/(20.9-\%O_2)] \times H + K_2$$

where:

E	=	CO emissions in pounds per hour or;
C	=	CO emissions as measured by the CEMS (as measured ppm);
K_1	=	Constant for converting ppm to lb/dscf = 7.267×10^{-8};
F_d	=	EPA Method 19 value (8710 dscf/million Btu for natural gas);
$\%O_2$	=	Oxygen concentration as measured by the CEMS (%);
H	=	Turbine heat input (Btu); and
K_2	=	aggregate insignificant emissions (1 ton/yr)

Annual emissions must be calculated by the sum of the hourly emissions for each twelve calendar month period converted to tons.

65.a. In addition to operating the CEMS in accordance with the manufacturer's instructions, the permittee must operate the CEMS in accordance with the quality assurance plan on file with the Department.

65.b. Real time data must be displayed at least once every minute that the turbine(s) is in operation. Hourly averages of the data must be recorded once each clock hour that the turbine(s) is in operation.

65.c. Minimum data availability must be 90% for any day, month, and year of operation. Monitor availability must be determined excluding periods of calibrations, quality control activities, and routine maintenance.

PSEL Calculations for Emission Units utilizing fuel sulfur content for SO_2.

66. Monitoring for Conditions 29 and 59: The permittee must measure sulfur dioxide emissions in accordance with the following equation and/or methods:

66.a. While burning distillate oil in Emission Units GTEU6 and ABEU1:

$$E = \%S/100 \times F \times d \times 2 \times K$$

where:

E	=	sulfur dioxide emissions, tons/month;
%S	=	sulfur content of the fuel oil as determined in accordance with Condition 7;
F	=	amount of fuel burned per month, gallons;
d	=	density of fuel oil, lb/gal;
2	=	lb moles SO_2/lb mole of S
K	=	1 ton/2000 lbs

66.b. For emission unit PWEU1, the permittee must utilize the equation and methods in Condition 53.a.

~~EMISSION FEES~~

~~67. Emission fees will be based on the Plant Site Emission Limits, unless the permittee elects to report actual emissions for one or more permitted processes/pollutants. If the permittee reports actual emissions for one or more permitted processes/pollutants, the permitted emissions for the remaining permitted processes/pollutants will be based on the following table: [OAR 340-220-0090]~~

~~Table 11.~~

~~Emission Source Description~~	~~Permitted Process Code [DEQ codes]~~	~~PM_{10} (tons)~~	~~SO_2 (tons)~~	~~NO_x (tons)~~	~~VOC (tons)~~
~~GTEU6~~	~~PS-1/P-1~~	~~104~~	~~558~~	~~3325~~	~~6~~
~~GTEU6~~	~~PS-1/P-2~~	~~139~~	~~50~~	~~3552~~	~~86~~
~~PWEU1~~	~~PS-2/P-1~~	~~90~~	~~33~~	~~154~~	~~29~~
~~ABEU1~~	~~GS-1/P-1~~	~~1.4~~	~~0.09~~	~~8.3~~	~~0.083~~
~~ABEU1~~	~~GS-1/P-2~~	~~0.15~~	~~0.15~~	~~6.1~~	~~0.33~~
~~PWABEU1~~	~~GS-2/P-1~~	~~0.081~~	~~0.082~~	~~1.7~~	~~0.18~~
~~UREU1~~	~~FS-2/P-1~~	~~0~~	~~0~~	~~0~~	~~0~~
~~Insignificant Activities~~	~~FS-1/P-1~~	~~1~~	~~1~~	~~1~~	~~1~~
~~PTEU1~~	~~GS-3/P-1~~	~~9.1~~	~~3.3~~	~~67~~	~~3~~

~~Source: DEQ TRAACS Workbook Permitted Emissions (for Fees)~~

TESTING REQUIREMENTS

68. The permittee must conduct the following emission factor verification testing as follows:

68.a. The permittee must conduct emission factor verification testing on at least two of the combustion turbines within emissions unit GTEU6 for VOC emissions at least once during the permit term while burning natural gas. EPA Method 25A must be used to measure VOC. Since it is known that this method does not properly detect formaldehyde, and formaldehyde is a VOC, DEQ may require additional testing for formaldehyde when the permittee conducts the VOC emission factor verification testing.

68.b. The permittee must conduct emission factor verification testing on at least two of the combustion turbines within emission unit GTEU6 for CO emissions one time during the permit term while burning fuel oil if any combination of the six turbines during any 12-month period burn greater than 97,000 Mgals. The testing must be completed within four months of this 12-month period. EPA Method 10 must be used to measure CO.

68.c. The permittee must conduct once per permit term emission factor verification testing for VOC emissions on combustion turbine PWEU1. The testing must be conducted using EPA Method 25A. Since it is known that this method does not properly detect formaldehyde, and formaldehyde is a VOC, DEQ may require additional testing for formaldehyde when the permittee conducts the VOC emission factor verification testing.

68.d. The permittee must conduct once per permit term a test of the representative H_2SO_4 emissions in the PWEU1 turbine exhaust. The test must be conducted utilizing appropriate test method, which at this time is considered modified NCASI Method 8A or another industry recommended method. The Department's Regional Source Test Coordinator is to be consulted prior to testing to approve the method. The testing may be discontinued after the first test in the initial year of the permit if waived in writing by the Department.

69. Unless waived in writing by the Department, the permittee must perform annual Relative Accuracy Test Audits (RATA) for CEMS installed after 1991 in accordance with the Department's Continuous Monitoring Manual (CMM). See Conditions 31, 32, 35, 36, 40, 44 , 45 and 46.

69.a. Testing Requirement for Condition 31: The permittee must demonstrate compliance with the NO_X emission limit for emission unit PTEU1 contained in Condition 31 one time per calendar year, utilizing one of the methods in accordance with 40 CFR 60.335 or the provision of 40 CFR 60.335(b)(7)(i), (ii) and (iii). and Condition 70 .

69.b. Testing Requirement for Condition 40: The permittee must demonstrate compliance with the NOx emission limit for emission unit PWEU1 contained in Condition 40 one time per calendar year, using one of the methods in accordance with 40CFR60.335.a. or the provision of 40 CFR 60.335(b)(7)(i), (ii) and (iii) and Condition 70.

69.c. The permittee must conduct a Relative Accuracy Audit (RAA) on the NO_x CEM for GTEU6 as follows:

69.c.i. At least once per permit term or

69.c.ii. Within three months of any 12-month period the turbines have collectively operated greater than twenty-eight thousand (28,000) hours.

70. Testing Requirement for Conditions 31, 40, 69.a and 69.b: All tests must be conducted in accordance with 40 CFR Part 60 for NO_x testing and the Department's Source Sampling Manual for other testing. Unless otherwise specified by a state or federal regulation, the permittee must submit a source test plan to the Department at least 30 days prior to the date of the test. The permittee should be aware that if significant variations are requested, it may require more than 30 days for the Department to grant approval and may require EPA approval in addition to approval by the Department.

71. Unless otherwise specified in this permit, the permittee must conduct all testing in accordance with the Department's Source Sampling Manual. [OAR 340-212-0120] See Conditions 15, 17, 43, 47, 58, 68 and 70.

71.a. Unless otherwise specified by permit condition or Department approved source test plan, all compliance source tests must be performed as follows:

71.a.i. At least 90% of the design capacity for new or modified equipment;

71.a.ii. At least 90% of the maximum operating rate for existing eqnipment; or

71.a.iii. At 90% to 110% of the normal maximum operating rate for existing equipment. For purposes of this permit, the normal maxinum operating rate is defined as the 90^{th} percentile of the average hourly operating rated during a 12 month period immediately preceding the source test. Data supporting the normal maximum operating rate must be included with the source test report.

71.b. Only regular operating staff may adjust the processes or emission control device parameters during a compliance source test and within two (2) hours prior to the tests. Any operating adjustments made during a compliance source test, which are a result of consultation during the tests with source testing personnel, equipment vendors, or consultants, may render the source test invalid.

71.c. Each source test must consist of at least three (3) test runs and the emissions results must be reported as the arithmetic average of all valid test runs. If for reasons beyond the control of the permittee a test run is invalid, the Department may accept two (2) test runs for demonstrating compliance with the emission limit or standard.

71.d. Source test reports prepared in accordance with the Department's Source Sampling Manual must be submitted to the Department within 45 days of completing any required source test, unless a different time period is approved in the source test plan submitted prior to the sonrce test.

GENERAL MONITORING AND RECORDKEEPING REQUIREMENTS

General Monitoring Requirements:

72. The permittee must not knowingly render inaccurate any required monitoring device or method. [OAR 340-218-0050(3)(a)(E)]

73. Methods used to determine actual emissions for fee purposes must also be used for compliance determination and can be no less rigorous than the requirements of OAR 340-218-0080. [OAR 340-218-0050(3)(a)(F)]

74. Monitoring requirements must commence on the date of permit issuance unless otherwise specified in the permit or an applicable requirement. [OAR 340-218-0050(3)(a)(G)]

General Recordkeeping Requirements

75. The permittee must maintain the following general records of testing and monitoring required by this permit: [OAR 340-218-0050(3)(b)(A)]

    75.a. the date, place as defined in the permit, and time of sampling or measurements;
    75.b. the date(s) analyses were performed;
    75.c. the company or entity that performed the analyses;
    75.d. the analytical techniques or methods used;
    75.e. the results of such analyses;
    75.f. the operating conditions as existing at the time of sampling or measurement; and
    75.g. the records of quality assurance for continuous monitoring systems (including but not limited to quality control activities, audits, calibration drift checks).
    73.h. the records of measures taken to minimize emissions during startup and shutdown events.

76. Unless otherwise specified by permit condition, the permittee must make every effort to maintain 100 percent of the records required by the permit. If information is not obtained or recorded for legitimate reasons (e.g., the monitor or data acquisition system malfunctions due to a power outage), the missing record(s) will not be considered a permit deviation provided the amount of data lost does not exceed 10% of the averaging periods in a reporting period or 10% of the total operating hours in a reporting period, if no averaging time is specified. Upon discovering that a required record is missing, the permittee must document the reason for the missing record. In addition, any missing record that can be recovered from other available information will not be considered a missing record. [OAR 340-214-0110, 340-212-0160, and 340-218-0050(3)(b)]

77. Recordkeeping requirements must commence on the date of permit issuance unless otherwise specified in the permit or an applicable requirement. [OAR 340-218-0050(3)(b)(C)]

78. Unless otherwise specified, the permittee must retain records of all required monitoring data and support information for a period of at least five (5) years from the date of the monitoring sample, measurement, report, or application. Support information includes all calibration and maintenance records and all original strip-chart recordings (or other original data) for continuous monitoring instrumentation, and copies of all reports required by the permit. All existing records required by the previous Air Contaminant Discharge Permit or Oregon Title V Operating Permit must also be retained for five (5) years from the date of the monitoring sample, measurement, report, or application. [OAR 340-218-0050(b)(B)]

Site-Specific Recordkeeping Requirements

79. The permittee must maintain the following specific records of required monitoring:

    79.a. Monthly NO_x continuous monitoring data from emission units GTEU6 (Conditions 25 and 64), PTEU1 (Conditions 25, 32, 35 and 64) and PWEU1 (Conditions 45, 53.c and 64);

~~79.b. Monthly CO continuous emissions monitoring data from emission units PTEU1 (Conditions 25, 36 and 65) and PWEU1 (Conditions 46 and 65);~~
~~79.c. Monthly and annual natural gas burned, (in mmcf) by emission units GTEU6, ABEU1, PTEU1, PWEU1, and PWABEU1 (Conditions 17, 26, 0, 55 and 62);~~
~~79.d. Daily, monthly and annual distillate fuel oil (in Mgals) burned by emission units GTEU6 and ABEU1 (Conditions 21, 22, 23, 26, 62 and 66);~~
~~79.e. Hours of operation of PWABEU1 (Conditions 26 and 62);~~
~~79.f. Sulfur content of distillate fuel oil (Conditions 7, 23 and 66);~~
~~79.g. Facility visible emissions inspections and corrective action records (Conditions 5, 18, and 58);~~
~~79.h. Air pollution episodes and emissions reductions activities (Condition 12);~~
~~79.i. Monthly and annual pollutant emissions (Conditions 29, 59 and 63);~~
~~79.j. Excess emissions (Conditions 25, 80 and 90); and~~
~~79.k. Log of complaints received and actions taken to address complaints (Condition 10).~~

REPORTING REQUIREMENTS

General Reporting Requirements

80. Excess Emissions Reporting The permittee must report all excess emissions as follows: [OAR 340-214-0300 through 340-214-0360]

80.a. Immediately within 1 hour of the event notify the Department of an excess emission event by phone, e-mail, or facsimile [OAR 340-214-0330(2)(a)]; and
80.b. Within 15 days of the excess emissions event, submit a written report that contains the following information: [OAR 340-214-0340(1)]

80.b.i. The date and time of the beginning of the excess emissions event and the duration or best estimate of the time until return to normal operation;
80.b.ii. The date and time the owner or operator notified the Department of the event;
80.b.iii. The equipment involved;
80.b.iv. Whether the event occurred during planned startup, planned shutdown, scheduled maintenance, or as a result of a breakdown, malfunction, or emergency;
80.b.v. Steps taken to mitigate emissions and corrective action taken, including whether the approved procedures for a planned startup, shutdown, or maintenance activity were followed;
80.b.vi. The magnitude and duration of each occurrence of excess emissions during the course of an event and the increase over normal rates or concentrations as determined by continuous monitoring or best estimate (supported by operating data and calculations);
80.b.vii. The final resolution of the cause of the excess emissions; and
80.b.viii. Where applicable, evidence supporting any claim that emissions in excess of technology-based limits were due to any emergency pursuant to OAR 340-214-0360.

80.c. In the event of any excess emissions which are of a nature that could endanger public health and occur during non-business hours, weekends, or holidays, the permittee must immediately notify the Department by calling the Oregon Accident Response System (OARs). The current number is 1-800-452-0311.
80.d. If startups, shutdowns, or scheduled maintenance may result in excess emissions, the permittee must submit startup, shutdown, or scheduled maintenance procedures used to minimize excess emissions to the Department for prior authorization, as required in OAR 340-214-0310 and 340-214-0320. New or modified procedures must be received by the Department in writing at least 72 hours prior to the first occurrence of the excess emission event. The permittee must abide by the approved procedures and have a copy available at all times.
80.e. The permittee must notify the Department of planned startup/shutdown or scheduled maintenance events.

80.f. The permittee must continue to maintain a log of all excess emissions in accordance with OAR 340-214-0340(3). However, the permittee is not required to submit the detailed log with the semi-annual and annual monitoring reports. The permittee is only required to submit a brief summary listing the date, time, and the affected emissions units for each excess emission that occurred during the reporting period. [OAR 340-218-0050(3)(c)]

81. Permit Deviations Reporting: The permittee must promptly report deviations from permit requirements that do not cause excess emissions, including those attributable to upset conditions, as defined in the permit, the probable cause of such deviations, and any corrective actions or preventive measures taken. "Prompt" means within 15 days of the deviation. Deviations that cause excess emissions, as specified in OAR 340-214-0300 through 340-214-0360 must be reported in accordance with Condition 80.

82. All required reports must be certified by a responsible official consistent with OAR 340-218-0040(5); [OAR 340-218-0050(3)(c)(D)]

83. Reporting requirements must commence on the date of permit issuance unless otherwise specified in the permit. [OAR 340-218-0050(3)(c)(E)]

~~84. Addresses of regulatory agencies are the following, unless otherwise instructed:~~

~~DEQ – Northwest Region~~
~~2020 SW 4th Street, Suite 400~~
~~Portland, OR 97201~~
~~(503) 229-5263~~

~~DEQ – Air Quality Division~~
~~811 SW Sixth Avenue~~
~~Portland, OR 97204~~
~~(503) 229-5359~~

~~Air Operating Permits~~
~~US Environmental Protection Agency~~
~~Mail Stop OAQ-108~~
~~1200 Sixth Avenue~~
~~Seattle, WA 98101~~

85. General first semi-annual reporting requirements: The semi-annual compliance certification must include the following (provided that the identification of applicable information may cross-reference the permit or previous reports, as applicable): [OAR 340-218-0080(6)(c)]

85.a. The identification of each term or condition of the permit that is the basis of the certification;

85.b. The identification of the method(s) or other means used by the owner or operator for determining the compliance status with each term and condition during the certification period, and whether such methods or other means provide continuous or intermittent data. Such methods and other means must include, at a minimum, the methods and means required under OAR 340-218-0050(3). *Note: Certification of compliance with the monitoring conditions in the permit is sufficient to meet this requirement, except when the permittee must certify compliance with new applicable requirements that are incorporated by reference into the permit. When certifying compliance with new applicable requirements that are not yet in the permit, the permittee must provide the information required by this condition.* If necessary, the owner or operator also must identify any other material information that must be included in the certification to comply with section 113(c)(2) of the FCAA, which prohibits knowingly making a false certification or omitting material information;

85.c. The status of compliance with terms and conditions of the permit for the period covered by the certification, including whether compliance during the period was continuous or intermittent. The certification must be based on the method or means designated in condition 85.b of this rule. The certification must identify each deviation and take it into account in the compliance certification. The certification must also identify as possible exceptions to compliance any periods during which compliance is required and in which an excursion or exceedance, as defined under OAR 340-200-0020, occurred; and

85.d. Such other facts as the Department may require to determine the compliance status of the source.

~~86. Notwithstanding any other provision contained in any applicable requirement, the owner or operator may use monitoring as required under OAR 340-218-0050(3) and incorporated into the permit, in addition to any~~

~~specified compliance methods, for the purpose of submitting compliance certifications. [OAR 340-218-0080(6)(e)]~~

Site-Specific Reporting Requirements

87. The permittee must submit three (3) copies of reports of any required monitoring at least every 6 months, completed on forms approved by the Department. Six month periods are January 1 to June 30, and July 1 to December 31. One copy of the report must be submitted to EPA, and two copies to the DEQ regional office. All instances of deviations from permit requirements must be clearly identified in such reports: [OAR 340-218-0050(3)(c)(A) and 340-218-0080(6)(d)]

87.a. The first semi-annual report is due on July 30 and must include the semi-annual compliance certification, and the information required in Condition 88. OAR 340-218-0080.
87.b. The annual report is due on February 15 and must consist of the information required in Condition 89.

88. Specific first semi-annual reporting requirements:

88.a. Semi-annual compliance certification for the period January 1 through June 30;
~~88.b. A semi-annual NSPS report containing the excess emissions and monitoring systems information for emission unit PTEU1 as set forth in Condition 90.~~
~~88.c. the semi-annual NSPS report containing the excess emissions and monitoring systems information for emission unit PWEU1 as required by Condition 90.~~

89. Specific annual reporting requirements:

~~89.a. Total natural gas burned in each emissions unit for the calendar year (cubic feet);~~
~~89.b. total distillate oil burned in each emissions unit for the calendar year (gallons);~~
~~89.c. total distillate oil combusted and the corresponding annual sulfur content analysis of this fuel oil each day of combustion in GTEU6 (gallons and %), as required in Conditions 7, 22 and 23;~~
89.d. total NO_X emissions from GTEU6, PTEU1 and PWEU1 for each 12 consecutive calendar month period.
~~89.e. total CO emissions from PTEU1and PWEU1 for each 12 consecutive calendar month period.~~
89.f. Total emissions (tons) of each pollutant identified in Conditions 59, 63, 64, 65 and 66 for each 12 consecutive calendar month period;
~~89.g. The emissions fee report; [OAR 340-220-0100]~~
~~89.h. The excess emissions upset log; [OAR 340-214-0340]~~
89.i. The second semi-annual compliance certification for the period of July 1 through December 31; [OAR 340-218-0080], and
~~89.j. each semi-annual NSPS report for emission units PTEU1 and PWEU1 as required by Condition 90.~~

~~90. NSPS Excess Emissions Report for PTEU1 and PWEU1~~

~~For each emission unit PTEU1 and PWEU1, an emission unit specific report must include a log of all planned and unplanned excess emissions and a monitoring system performance report in accordance with 40 CFR 60.7(c) and 60.334(c). The excess emission reports must include the following information:~~

~~90.a. Magnitude of the excess emissions computed in accordance with 40 CFR 60.13(h), including any conversion factor used;~~
~~90.b. The date and time of commencement and completion of each excess emission period;~~
~~90.c. The amount of time each combustion turbine was operated during the reporting period;~~
~~90.d. Identification of which periods of excess emissions occurred during startups, shutdowns, or malfunctions;~~

Pages 31 - 46 redacted -- outside the scope of the SIP