

Department of Environmental Quality
Northwest Region Portland Office

ORIGINAL

Air Quality Program
2020 SW 4th Avenue, Suite 400

0 SW 4" Avenue, Suite 400 Portland, OR 97201-4987 (503) 229-5554 FAX (503) 229-6945 TTY (503) 229-5471

SEP 2 0 2006

City of Portland Columbia Blvd. Waste Water Treatment Plant Attn: Daniel Clark 501 N. Columbia Blvd. Portland, Oregon 97203

Issuance of the renewal of Air Contaminant Discharge Permit No. 26-0100.

The Department of Environmental Quality has processed your application for a renewal of your Simple Air Contaminant Discharge permit (ACDP). Based on the information in the application the Department has issued the enclosed ACDP permit 26-0100).

The effective date of the permit is the date it was signed by the regional Air Quality Manager. The signature and date appear on the first page of the document. The permit is issued pursuant to Oregon Revised Statutes 468A and Oregon Administrative Rules (OAR) 340-14-005 through 340-14-050, and 216-0010 through 216-0100.

You may appeal conditions or limitations contained in the attached permit by applying to the Environmental Quality Commission, or its authorized representative, within twenty days from the date of this letter. Appeals are pursuant to ORS Chapter 183 and OAR Chapter 340, Division 14-025(6). Appeal procedures are contained in OAR Division 11-005 through 11-140.

A copy of the current permit must be available at the facility at all times. Failure to comply with permit conditions may result in civil penalties. You are expected to read the permit carefully and comply with all conditions to protect the environment of Oregon.

All forms you will need to comply with your permit compliance issues and notifications of any permit changes can be found on line at http://www.deq.state.or.us/aq/forms/index.htm.

If you have any questions, please contact Kathy Amidon (503) 667-8414 extension 55010.

Sincerely.

Ed Druback

Air Quality Manager Northwest Region

cab

Re:

Enclosure

Cc: Gregg Dahmen, HQ, AQ, Program Ops

ORIGINAL

Permit Number: 26-0100 Expiration Date: 07/01/11

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STANDARD AIR CONTAMINANT DISCHARGE PERMIT

Department of Environmental Quality Northwest Region 2020 SW 4th Avenue, #400 Portland, Oregon 97201 (503) 229-5554

This permit is being 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:

INFORMATION RELIED UPON:

City of Portland 5001 N. Columbia Boulevard Portland, OR 97203-2098

Application No.: Date Received:

021731 03/23/06

Additional information received through 7/24/06

PLANT SITE LOCATION:

LAND USE COMPATIBILITY FINDING:

Columbia Boulevard WWTP 5001 N. Columbia Boulevard Portland, OR 97203

Approving Authority: City of Portland Approval Date:

02/01/01

ISSUED BY THE DEPARTMENT OF ENVIRONMENTAL QUALITY

Ed Druback, Northwest Region Air Quality Manager

Source(s) Permitted to Discharge Air Contaminants (OAR 340-216-0020):

Table 1 Code	Source Description	SIC
Part B, 75	Source that would emit 10 or more tons per year of a criteria pollutant if operated uncontrolled	4952

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1.0 GENERAL EMISSION STANDARDS AND LIMITS

1.1. Visible Emissions

The permittee must comply with the following visible emission limits, as applicable:

- a. Emissions from any fuel burning equipment must not equal or exceed 20% opacity for a period aggregating more than 3 minutes in any one hour.
- b. Emissions from any air contaminant source other than fuel burning equipment must not equal or exceed 20% opacity for a period aggregating more than 30 seconds in any one hour.

1.2. Particulate Matter Emissions

The permittee must comply with the following particulate matter emission limits, as applicable:

- a. Particulate matter emissions from any fuel burning equipment installed on or before June 1, 1970 must not exceed 0.2 grains per standard cubic foot, corrected to 12% CO₂ or 50% excess air.
- b. Particulate matter emissions from any fuel burning equipment installed, constructed, or modified after June 1, 1970 must not exceed 0.1 grains per standard cubic foot, corrected to 12% CO₂ or 50% excess air.
- c. Particulate matter emissions from fuel burning equipment must not exceed the emission rate shown in Figure 1 of OAR 340-208-0610 as a function of the maximum heat input when using all other fuels, except natural gas and LPG
- d. Particulate matter emissions from any air contaminant source installed on or before June 1, 1970 other than fuel burning equipment and fugitive emission sources must not exceed 0.2 grains per standard cubic foot.
- e. Particulate matter emissions from any air contaminant source installed, constructed, or modified after June 1, 1970 other than fuel burning equipment and fugitive emission sources must not exceed 0.1 grains per standard cubic foot.
- f. Non-fugitive particulate matter emissions from any process must not exceed the amount shown in Table 1 of OAR 340-226-0310 for the process weight allocated to such a process.

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1.3. Fugitive Emissions The permittee must take reasonable precautions to prevent fugitive dust emissions.

1.4. Particulate Matter Fallout

The permittee must not cause or permit the emission of any particulate matter larger than 250 microns in size at sufficient duration or quantity, as to create an observable deposition upon the real property of another person. The Department will verify that the deposition exists and will notify the permittee that the deposition must be controlled.

1.5. Nuisance and Odors

The permittee must not cause or allow air contaminants from any source to cause a nuisance. Nuisance conditions will be verified by Department personnel.

1.6. Fuels and Fuel Sulfur Content

The permittee must not use any fuel other than natural gas, propane, butane, ASTM grade fuel oils, or on-specification used oil.

- a. Fuel oils must not contain more than:
 - i. 0.3% sulfur by weight for ASTM Grade 1 distillate oil;
 - ii. 0.5% sulfur by weight for ASTM Grade 2 distillate oil;
 - iii. 1.75% sulfur by weight for residual oil;

2.0 OPERATION AND MAINTENANCE REQUIREMENTS

2.1. Back-up Generators

The permittee must ensure that the back-up generators operate no more than 250 hours per year each. Prior to exceeding this limit, or contracting with a local electrical utility, the permittee must apply to modify this permit.

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3.0 PLANT SITE EMISSION LIMITS

3.1. Plant Site Emission Limits (PSEL)

Plant site emissions must not exceed the following:

Pollutant	Limit	Units
PM ₁₀	14	tons per year
SO ₂	39	tons per year
NO _X	39	tons per year
CO	99	tons per year
VOC	39	tons per year

3.2. Annual Period

The annual plant site emissions limits apply to any 12-consecutive calendar month period.

4.0 COMPLIANCE DEMONSTRATION

4.1. PSEL Compliance Monitoring

Compliance with the PSEL is determined for each 12-consecutive calendar month period based on the following calculation for each pollutant:

E = $\Sigma(EF \times P)/2000 \text{ lbs}$

where,

E = pollutant emissions (ton/yr);

EF = pollutant emission factor (see Condition

10.0);

P = process production (fuel usage)

4.2. Emission Factors

The permittee must use the default emission factors provided in Condition 10.0 for calculating pollutant emissions, unless alternative emission factors are approved by the Department. The permittee may request or the Department may require using alternative emission factors provided they are based on actual test data or other documentation (e.g., AP-42 compilation of emission factors) that has been reviewed and approved by the Department.

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5.0 RECORDKEEPING REQUIREMENTS

5.1. Operation and Maintenance

The permittee must maintain the following records related to the operation and maintenance of the plant and associated air contaminant control devices:

- a. Digester gas usage in the boilers, flares, and microturbines, separately;
- b. Natural gas usage in the boilers;
- c. Hours of operation of the engine generators;
- d. Diesel usage in the generators;
- e. Hours of operation of the micro-turbines.
- f. Monthly calculations of 12-month emission rates performed in accordance with Condition 4.1.

5.2. Excess Emissions

The permittee must maintain records of excess emissions as defined in OAR 340-214-0300 through 340-214-0340 (recorded on occurrence). Typically, excess emissions are caused by process upsets, startups, shutdowns, or scheduled maintenance. In many cases, excess emissions are evident when visible emissions are greater than 20% opacity for 3 minutes or more in any 60-minute period. If there is an ongoing excess emission caused by an upset or breakdown, the permittee must cease operation of the equipment or facility no later than 48 hours after the beginning of the excess emissions, unless continued operation is approved by the Department in accordance with OAR 340-214-0330(4).

5.3. Complaint Log

The permittee must maintain a log of all written complaints and complaints received via telephone that specifically refer to air pollution concerns associated to the permitted facility. The log must include a record of the permittee's actions to investigate the validity of each complaint and a record of actions taken for complaint resolution.

5.4. Retention of Records

Unless otherwise specified, all records must be maintained on site for a period of two (2) years and made available to the Department upon request.

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6.0 REPORTING REQUIREMENTS

6.1. Excess Emissions

The permittee must notify the Department of excess emissions events if the excess emission is of a nature that could endanger public health.

- a. Such notice must be provided as soon as possible, but never more than one hour after becoming aware of the problem. Notice must be made to the regional office identified in Condition 7.4 by e-mail, telephone, facsimile, or in person.
- b. If the excess emissions occur during non-business hours, the permittee must notify the Department by calling the Oregon Emergency Response System (OERS). The current number is 1-800-452-0311.
- c. The permittee must also submit follow-up reports when required by the Department.

6.2. Annual Report

-,--5 For each year this permit is in effect, the permittee must submit to the Department by **February 15** two (2) copies of the following information for the previous calendar year:

- a. Operating parameters:
 - i. Digester gas used in the boilers, flares, and microturbines, separately;
 - ii. Natural gas usage in the boilers;
 - iii. Diesel usage in the generators;
 - iv. Hours of operation of the generators;
 - v. Hours of operation of the micro-turbines.
- b. A summary of annual pollutant emissions determined each month in accordance with Condition 4.1.
- c. Records of all planned and unplanned excess emissions events.
- d. Summary of complaints relating to air quality received by permittee during the year.
- e. List permanent changes made in plant process, production levels, and pollution control equipment which affected air contaminant emissions.
- f. List major maintenance performed on pollution control

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equipment.

6.3. Notice of Change of Ownership or Company Name

The permittee must notify the Department in writing using a Departmental "Permit Application Form" within 60 days after the following:

- a. Legal change of the name of the company as registered with the Corporations Division of the State of Oregon; or
- b. Sale or exchange of the activity or facility.

6.4. Construction or Modification Notices

The permittee must notify the Department in writing using a Departmental "Notice of Construction Form," or "Permit Application Form," and obtain approval in accordance with OAR 340-210-0205 through 340-210-0250 before:

- a. Constructing, installing, or establishing a new stationary source that will cause an increase in any regulated pollutant emissions;
- b. Making any physical change or change in operation of an existing stationary source that will cause an increase, on an hourly basis at full production, in any regulated pollutant emissions; or
- c. Constructing or modifying any air pollution control equipment.
- 6.5. Where to Send Reports and Notices

The reports, with the permit number prominently displayed, must be sent to the Permit Coordinator for the region where the source is located as identified in Condition 7.3.

7.0 ADMINISTRATIVE REQUIREMENTS

7.1. Permit Renewal Application

The completed application package for renewal of this permit is due on May 1, 2011. Two (2) copies of the application must be submitted to the DEQ Permit Coordinator listed in condition 7.3

7.2. Permit Modifications

Application for a modification of this permit must be submitted not less than 60 days prior to the source modification. A special activity fee must be submitted with an application for the permit modification. The fees and two (2) copies of the application must be submitted to the Business Office of the Department.

7.3. Permit Coordinator Addresses

All reports, notices, and applications should be directed to the Permit Coordinator for DEQ's Northwest Region:

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Department of Environmental Quality Northwest Region 2020 SW 4th Avenue, Suite 400 Portland, OR 97201-4987 Telephone: (503) 229-5582

7.4. Department Contacts

Information about air quality permits and the Department's regulations may be obtained from the DEQ web page at www.deq.state.or.us. All inquiries about this permit should be directed to the regional office shown below:

Department of Environmental Quality East Side Office/Air Quality 1550 NW Eastman Parkway, Suite 290 Gresham, OR 97030 Telephone: (503) 667-8414

8.0 FEES

8.1. Annual Compliance Fee

The Annual Fee specified in OAR 340-216-0020, Table 2, Part 2 for a Standard ACDP is due on **December 1** of each year this permit is in effect. An invoice indicating the amount, as determined by Department regulations, will be mailed prior to the above date.

8.2. Change of
Ownership or
Company Name
Fee

The non-technical permit modification fee specified in OAR 340-216-0020, Table 2, Part 3(a) is due with an application for changing the ownership or the name of the company.

8.3. Special Activity Fees

The special activity fees specified in OAR 340-216-0020, Table 2, Part 3 (b through i) are due with an application to modify the permit.

8.4. Where to Submit Fees

Fees must be submitted to:

Department of Environmental Quality Business Office 811 SW Sixth Avenue Portland, Oregon 97204-1390

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GENERAL CONDITIONS AND DISCLAIMERS 9.0

9.1.	Permitted Activities	This permit allows the permittee to discharge air contaminants from processes and activities related to the air contaminant source(s) listed on the first page of this permit until this permit expires, is modified, or is revoked.
9.2.	Other Regulations	In addition to the specific requirements listed in this permit, the permittee must comply with all other legal requirements enforceable by the Department.
9.3.	Conflicting Conditions	In any instance in which there is an apparent conflict relative to conditions in this permit, the most stringent conditions apply.
9.4.	Masking of Emissions	The permittee must not cause or permit the installation of any device or use any means designed to mask the emissions of an air contaminant that causes or is likely to cause detriment to health, safety, or welfare of any person or otherwise violate any other regulation or requirement.
9.5.	Department Access	The permittee must allow the Department's representatives access to the plant site and pertinent records at all reasonable times for the purposes of performing inspections, surveys, collecting samples, obtaining data, reviewing and copying air contaminant emissions discharge records and conducting all necessary functions related to this permit in accordance with ORS 468-095.
9.6.	Permit Availability	The permittee must have a copy of the permit available at the facility at all times.
9.7.	Open Burning	The permittee may not conduct any open burning except as allowed by OAR 340 Division 264.
9.8.	Asbestos	The permittee must comply with the asbestos abatement requirements in OAR 340, Division 248 for all activities involving asbestos-containing materials, including, but not limit to, demolition, renovation, repair, construction, and maintenance.
9.9.	Property Rights	The issuance of this permit does not convey any property rights in either real or personal property, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of federal, state, or local laws or regulations.
9.10.	Termination, Revocation, or Modification	The Department may modify or revoke this permit pursuant to OAR 340-216-0082 and 340-216-0084.

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10.0 EMISSION FACTORS

Emissions device or activity	Pollutant	Emission Factor (EF)	EF units	EF Reference
Boilers	PM ₁₀	7.6	Lb/MMCF gas	AP-42
Natural gas and	SO2	16.5	Lb/MMCF gas	AP-42
Digester gas	NOX	100	Lb/MMCF gas	AP-42
	СО	84	Lb/MMCF gas	AP-42
	VOC	5.5	Lb/MMCF gas	AP-42
Flares	PM ₁₀	7.6	Lb/MMCF gas	AP-42
Digester gas	SO2	16.5	Lb/MMCF gas	AP-42
	NOX	0.068	Lb/MMCF gas	AP-42
	СО	0.37	Lb/MMCF gas	AP-42
	VOC	0.07	Lb/MMCF gas	AP-42
Micro-turbines	PM ₁₀	0.02	Lb/hour	Mfg. Data
	NOX	0.06	Lb/hour	Mfg. Data
	СО	0.16	Lb/hour	Mfg. Data
Generators	PM ₁₀	43.4	Lb/1,000 gallons	Mfg. Data
Diesel	SO2	40.6	Lb/1,000 gallons	Mfg. Data
	NOX	617	Lb/1,000 gallons	Mfg. Data
	СО	133	Lb/1,000 gallons	Mfg. Data
	VOC	43.4	Lb/1,000 gallons	Mfg. Data

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ABBREVIATIONS, ACRONYMS, AND DEFINITIONS

ACDP	Air Contaminant Discharge	NSR	New Source Review
	Permit	O_2	oxygen
ASTM	American Society for Testing and Materials	OAR	Oregon Administrative Rules
AQMA	Air Quality Maintenance Area	ORS	Oregon Revised Statutes
calendar	The 12-month period	O&M	operation and maintenance
year	beginning January 1st and	Pb	lead
ending December 31st	ending December 31st	PCD	pollution control device
CFR	Code of Federal Regulations	PM	particulate matter
CO	carbon monoxide	PM_{10}	particulate matter less than 10
DEQ	Oregon Department of		microns in size
	Environmental Quality	ppm	part per million
dscf	dry standard cubic foot	PSD	Prevention of Significant
EPA	US Environmental Protection		Deterioration
	Agency	PSEL	Plant Site Emission Limit
FCAA	Federal Clean Air Act	PTE	Potential to Emit
gal	gallon(s)	RACT	Reasonably Available Control
gr/dscf	grains per dry standard cubic		Technology
TT 1.75	foot	scf	standard cubic foot
HAP	Hazardous Air Pollutant as defined by OAR 340-244-	SER	Significant Emission Rate
	0040	SIC	Standard Industrial Code
I&M	inspection and maintenance	SIP	State Implementation Plan
lb .	pound(s)	SO ₂	sulfur dioxide
MMBtu	million British thermal units	Special	as defined in OAR 340-204-
NA	not applicable	Control Area	0070
NESHAP	National Emissions Standards for Hazardous Air Pollutants	VE	visible emissions
NO		VOC	volatile organic compound
NOX	nitrogen oxides	year	A period consisting of any 12-
NSPS	New Source Performance Standard		consecutive calendar months

Document2

Review Report/Permit No.: 26-0100 Application number: 021731

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Department of Environmental Quality Northwest Region Air Quality Program

Standard AIR CONTAMINANT DISCHARGE PERMIT REVIEW REPORT

Columbia Boulevard WWTP 5001 N. Columbia Blvd.
Portland, OR 97203
(503) 823-2494

Unassigned emissions	X
Emission credits	
Source test	
COMS	
CEMS	
Compliance schedule	
Special conditions	
Annual report	X
Semi-annual report	
Quarterly report	

Monthly report	
Excess emissions report	
NSPS	
NESHAP	
NSR	
PSD	
RACT	
FCE	
Public Notice	II

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PERMITTING

PERMITTING ACTION

1. The permit is a renewal for an existing Air Contaminant Discharge Permit (ACDP) which was issued on 2/15/02 and was originally scheduled to expire on 7/01/06.

OTHER PERMITS

2. Other permits issued or required by the Department of Environmental Quality for this source include water quality permits GEN12C, G12COLS, and a NPDES permit. The facility has three registered underground storage tanks and is registered as a conditionally exempt generator of hazardous waste.

ATTAINMENT STATUS

3. The source is located in a maintenance area for CO and Ozone. NO_X and VOC are precursors to Ozone. The facility is an insignificant source of CO, NO_X and VOC. The area is in attainment for all other criteria pollutants

SOURCE DESCRIPTION

OVERVIEW

- 4. The permittee operates a municipal wastewater treatment plant serving the majority of Portland, Oregon. The facility was built in 1952, expanded in 1969, and again in 1974. In 1978, the plant had a primary treatment capacity of 300 Million Gallons per Day (MGD) and a secondary treatment capacity of 200 MGD (wet weather days). Biosolids were stored in lagoons constructed in 1969. Onsite combustion sources in 1978 were five boilers, one engine generator, and three waste gas flares. The plant now has full secondary treatment capacity for 300 MGD for wet weather days. Average dry weather treatment capacity is 100 MGD. Emissions are estimated using dry weather day capacity. The 300 MGD rating applies to the hydraulic capacity of the plant to move storm water.
- 5. Since the original permit was issued in 2002, the fuel cell has ceased operation. There are no plans to use the fuel cell in the future, nor to add more. Four 30 kW microturbines were installed in December 2004.
- 6. The City is using the micro-turbines on a trial basis. Future plans include adding a gas fired generator. The project is in the early design stages at this time. A Notice of Construction will be submitted when the pertinent details are known.

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PROCESS AND CONTROL DEVICES

7. Air contaminant sources at the facility consist of the following, plus fugitive VOC emissions from incoming liquid waste streams and sludge flocculant added.

No.	Equipment	Capacity	Usage/Year (each)	Fuels
2	Kewanee boilers	10 MM Btu/hr	88,000 MM Btu	Digester, natural gas
2	Cleaver Brooks boilers	12.6 MM Btu/hr	88,000 MM Btu	Digester, natural gas
3	Varec flares	24,000 scf/hr	1.3 MM scf/day	Digester gas
2	Caterpillar generators	25.3 & 68.8 gal/hr	250 hr/yr	Diesel oil
4	Capstone micro-turbines	30 kW	420,000 Btu/hr	Digester gas

COMPLIANCE

- 8. The facility was inspected on 9/1/02 and 9/30/05 and found to be in compliance with permit conditions.
- 9. During the prior permit period there were no complaints recorded for this facility, and no enforcement actions taken.

SPECIAL CONDITIONS

10. The back-up engine generators may be used for emergency power generation only, and are assumed to operate 250 hours per year or less. Any use for peaking power generation must meet the Department's requirements.

EMISSIONS

11. Proposed PSEL information:

		Netting Basis		Plant Site Emission Limits (PSEL)		
Pollutant	Baseline Emission Rate (tons/yr)	Previous (tons/yr)	Proposed (tons/yr)	Previous PSEL (tons/yr)	Proposed PSEL (tons/yr)	PSEL Increase (tons/yr)
PM_{10}	1.3	1.3	1	14	14	0
SO ₂	2.7	2.7	3	39	39	0
NO _x	10.0	10.0	10	39	39	0
CO	14.0	14.0	14	99	99	0
VOC	41.0	41.0	41	80	39	-41

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a. The proposed PSELs for all pollutants are equal to the Generic PSEL in accordance with OAR 340-216-0066.

- b. An estimate of emissions is attached.
- c. The PSEL is a federally enforceable limit on the potential to emit.

Unassigned Emissions

12. Per application 18610 (Feb 2001), the facility's potential to emit (PTE) is:

Pollutant	PTE	SER	PSEL	Netting Basis	Unassigned
PM ₁₀	2.3 tons/yr	14 tons/yr	14 tons/yr	1 tons/yr	
SO_2	4.4 tons/yr	40 tons/yr	39 tons/yr	3 tons/yr	
NO _X	18.6 tons/yr	40 tons/yr	39 tons/yr	10 tons/yr	
CO	45.8 tons/yr	100 tons/yr	99 tons/yr	14 tons/yr	
VOC	30.4 tons/yr	40 tons/yr	39 tons/yr	41 tons/yr	2 tons/yr

13. The facility's potential to emit VOC has been reduced through a change in the flocculants agent used. Per OAR 340-222-0041, the PSEL is set to the Significant Emission Rate (SER) for each pollutant because the source's potential to emit is less than the SER. In future, the PSEL may be increased by the levels shown in the Netting Basis column, should the facility's potential to emit these pollutants increase.

SIGNIFICANT EMISSION RATE ANALYSIS

14. For each pollutant, the proposed Plant Site Emission Limit is less than the Netting Basis plus the significant emission rate, thus no further air quality analysis is required.

MAJOR SOURCE APPLICABILITY

CRITERIA POLLUTANTS

15. A major source is a facility that has the potential to emit more than 100 tons per year of any criteria pollutant. This facility is not a major source of criteria pollutant emissions.

HAZARDOUS AIR POLLUTANTS

16. A major source is a facility that has the potential to emit more than 10 tons/year of any single HAP or 25 tons/year of combined HAPs. This source is not a major source of hazardous air pollutants. Publicly owned treatment works are collection points for pretreated and untreated waste water, which may have a multitude of HAPs in varying amounts. EPA's computer program, Surface Impoundment Modeling System, was used to calculate the facility potential to emit total HAPs at 22.3 tons per year. This is less than the federal trigger levels.

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ADDITIONAL REQUIREMENTS

NSPS APPLICABILITY

17. 40 CFR Part 60, Subpart O, Standards of Performance for Sewage Treatment Plants, is not applicable to the source because the subpart regulates sludge incinerators. This facility has no sludge incinerator.

NESHAPS/MACT APPLICABILITY

18. 40 CFR Part 63, Subpart VVV, Publicly Owned Treatment Works, is not applicable to this facility because it is not a major source of HAPs.

RACT APPLICABILITY

19. The facility is located in the Portland AQMA, but it is not one of the listed source categories in OAR 340-232-0010, thus the categorical RACT rules do not apply. The facility's potential to emit VOC is less than 100 tons/year, thus a source specific RACT is not required.

TACT APPLICABILITY

20. The source is meeting the states TACT/Highest and Best Rules by capturing landfill gas and combusting it in a flare.

PUBLIC NOTICE

21. Pursuant to OAR 340-216-0066(4)(a)(A), issuance of a Standard Air Contaminant Discharge Permit without a PSEL increase requires public notice in accordance with OAR 340-209-0030(3)(b), which requires that the Department provide notice of the proposed permit action and a minimum of 30 days for interested persons to submit written comments. The public notice was made available for comment from August 9, 2006 until September 11, 2006, 5pm. No comments were received.

kka:ggg 9/13/2006

Columbia Blvd WWTP ACDP 26-0100

			Emission Factor			Emissions
Pollutant	Gas Usage		Rate Units		Reference	Tons/Yr
P ! !	<u> </u>					
Four boilers -						
PM10	180	MMCF/Yr		lb/MMCF	AP-42, 1.4	0.68
SO2				lb/MMCF	Gas analysis	1.49
Nox				lb/MMCF	AP-42, 1.4	9.00
CO				lb/MMCF	AP-42, 1.4	7.56
VOC			5.5	lb/MMCF	AP-42, 1.4	0.50
Three flares -	Digester o	ıas				
PM10		MMCF/Yr	7.6	lb/MMCF	AP-42, 1.4	0.65
SO2				lb/MMCF	Gas analysis	1.40
Nox				lb/MMCF	AP-42, 13.5	3.18
CO				lb/MMCF	AP-42, 13.5	17.30
VOC				lb/MMCF	AP-42, 13.5	3.27
F 4	D:1					
Four turbines						
PM10		MM Btu/hr		lb/hr	Mfg. Data	0.08
Nox	7884	Hr/Yr	0.06		Mfg. Data	0.24
СО			0.16	lb/hr	Mfg. Data	0.63
Digester gas: 5	50 Btu/sta	ndard cubic f	oot			
Process VOC	emissions	·				
Influent stream	100	MM gal/day	1	lb/MM gal	Mass balance	16.80
& polymers	(dry weat			gai	on samples	10.00
Fuel storage,	estimate of one year's operation					2.90
sludge &	(based on data in Application 18610, 2/01)					
misc. sources						
				- A	Totals	·
					PM10	1.41
					SO2	2.89
					Nox	12.42
					CO	25.49
					VOC	23.47