

Puget Sound Clean Air Agency

Attachment A

110 Union Street, Suite 500, Seattle, WA 98101-2038; Claude Williams (206) 689-4066

Emission Report

June 22, 2001

KING CO NATURAL RESOURCE WASTEWATER TREATMENT

Facility ID #: 10088

EPA#: 033-138

2000 Air Contaminant Emission Summary

(From last year's Emission Report; fees based on tons/year)

<u>CAS#</u>	<u>Flags</u>	<u>Air Contaminants:</u>	<u>pounds/2000</u>	<u>tons /2000</u>
71-55-6	T H	1,1,1-Trichloroethane (Methyl chloroform)	102	< 1
67-64-1	T	Acetone	5,872	3
71-43-2	V T H	Benzene	21	< 1
CO		Carbon Monoxide (CO)	122,793	61
56-23-5	V T H	Carbon tetrachloride	34	< 1
108-90-7	V T H	Chlorobenzene	2	< 1
67-66-3	V T H	Chloroform	1,313	< 1
75-09-2	T H	Dichloromethane (Methylene chloride)	1,679	< 1
100-41-4	V T H	Ethyl benzene	52	< 1
91-20-3	V T H	Naphthalene	25	< 1
NO2		Nitrogen Oxides (NO2)	230,290	115
PM10		Particulate Matter (PM10)	2,389	1
127-18-4	T H	Perchloroethylene (tetrachloroethylene)	409	< 1
SO2		Sulfur Oxides (SO2)	9,558	5
108-88-3	V T H	Toluene	278	< 1
79-01-6	V T H	Trichloroethylene	102	< 1
VOC	V	Volatile Organic Compounds (VOC)	17,801	9
1330-20-7	V T H	Xylenes	389	< 1
95-50-1	V T	o-Dichlorobenzene	16	< 1
			=====	=====
		Volatile Organic Compounds Total (V)	20,033	10
		Toxic Air Contaminants Total (T)	10,294	5
		Hazardous Air Pollutants Total (H)	4,406	2



Puget Sound Air Pollution Control Agency

Notice of Construction No. 2372
Date JUL 19 1982

HEREBY GRANTS
PERMISSION TO CONSTRUCT, INSTALL, OR ESTABLISH

Three Waukesha VHP 9500 GSI Gas Engine-generators at 1300 KW per unit, at 2,940,000 BTU per hour per unit.

APPLICANT

Mr. S. Lee Halliday
Municipality of Metropolitan Seattle
821 Second Avenue
Seattle, WA 98104

CITY STATE ZIP

OWNER

Same
NAME

STREET

CITY STATE ZIP

INSTALLATION ADDRESS

4215-36th Ave. West, Seattle WA 98199
STREET CITY STATE ZIP

SUBJECT TO THE FOLLOWING RESTRICTIONS

GENERAL

Permission is hereby granted as provided in Article 6 of Regulation I of the PSAPCA to the APPLICANT to install, alter, or establish the equipment, device, or process described hereon at the INSTALLATION ADDRESS in accordance with the plans and specifications on file in the ENGINEERING DIVISION of PSAPCA. This approval is not a waiver of liability for the infraction of Regulation I nor does it relieve the APPLICANT or OWNER of any requirements of other government agencies.

SPECIFIC

Subject to the provisions of 40CFR Part 60, subpart FF, proposed rule (7/23/79). Emission of carbon monoxide or of oxides of nitrogen shall not exceed 250 tons in any year. Carburetor setting shall not exceed 0.52% CO.

H. A. Watters
Reviewing Engineer

A. R. Dammkoeher

Air Pollution Control Officer

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Puget Sound Air Pollution Control Agency

HEREBY ISSUES AN ORDER OF APPROVAL
TO CONSTRUCT, INSTALL, OR ESTABLISH

Registration No. 10088

Notice of
Construction No. 4295

Date AUG 03 1992

Primary and Secondary Wastewater Treatment with the following source groups: A. Combustion (a new 25.7 MMBH boiler #3, and two John Zink Flares (#1 at 2,000 cfm & #2 at 500 scfm); B. Solids (three scrubbers at 75,000 cfm each to control odors from the raw sludge blending tank, polymer room, ten gravity belt thickeners, truck loading & four sludge centrifuges; 2-sludge tanks with 2-225 cfm adsorbers; & 2-4,000 cfm adsorbers for 6-digesters); and C. Liquids (Primary Treatment sources with 3-odor control scrubbers at 75,000 cfm each and a prescrubber at 3,200 cfm; & Secondary Treatment sources at 143 MGD annual average with an emergency release chlorine scrubber at 35,000 cfm).

LARRY ELLINGTON

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MUNIC. OF METRO. SEA. (WEST POINT)
821 SECOND AVE
SEATTLE WA 98104

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MUNIC. OF METRO. SEA. (WEST POINT)
1400 UTAH ST W
SEATTLE WA 98199

INSTALLATION ADDRESS

MUNIC. OF METRO. SEA. (WEST POINT), 1400 UTAH ST W, SEATTLE, WA, 98199

THIS ORDER IS ISSUED SUBJECT TO THE FOLLOWING RESTRICTIONS AND CONDITIONS

1. Approval is hereby granted as provided in Article 6 of Regulation I of the Puget Sound Air Pollution Control Agency to the applicant to install, alter or establish the equipment, device or process described hereon at the INSTALLATION ADDRESS in accordance with the plans and specifications on file in the Engineering Division of PSAPCA.
2. Compliance with this ORDER and its conditions does not relieve the owner or operator from the responsibility of compliance with Regulations I, II or III, RCW 70.94 or any other emission control requirements, nor from the resulting liabilities and/or legal remedies for failure to comply. Section 5.05(e) of Regulation I requires that the owner or operator must develop and implement an operation and maintenance (O&M) plan to assure continuous compliance with Regulations I, II, and III.
3. This approval does not relieve the applicant or owner of any requirement of any other governmental agency.
4. Metro shall not emit more than 0.11 lbs of NOx/MMBTU from its Boiler #3. Metro shall conduct a source test within 60 days of startup in accordance with a PSAPCA approved test plan.
5. Metro shall submit a plan for monitoring NOx from all its combustion sources before startup of the secondary treatment facility.
6. Metro shall submit and implement an Operation & Maintenance Plan with respect to air emission sources.


HARRY A. WATTERS
Reviewing Engineer

MEJ


FREDRICK L. AUSTIN P.E.
Reviewing Engineer


ANITA J. FRANKEL
Air Pollution Control Officer

Puget Sound Air Pollution Control Agency

HEREBY ISSUES AN ORDER OF APPROVAL
TO CONSTRUCT, INSTALL, OR ESTABLISH

Registration No. 10088

Notice of
Construction No. 4655

Date AUG 25 1992

Replacement of a Raw Sewage Pump Engine with a Waukesha 5790G 600 HP Methane Gas-Powered Sewage Pump with propane backup fuel.

LARRY ELLINGTON

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MUNIC. OF METRO. SEA.

821 2ND AVE

SEATTLE

WA 98104

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SEATTLE


WA 98104

INSTALLATION ADDRESS

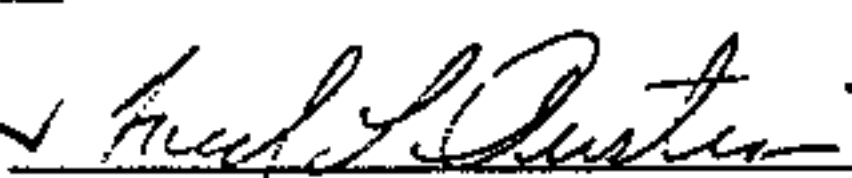
MUNIC. OF METRO. SEA. (WEST POINT), 1400 UTAH ST W, SEATTLE, WA, 98199

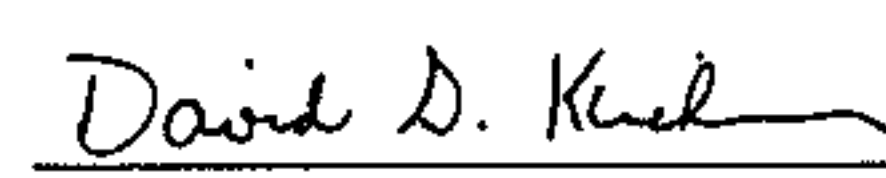
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3. This approval does not relieve the applicant or owner of any requirement of any other governmental agency.
4. The equipment approved under this NC4655 is subject to the requirements of 40 CFR 60, Subpart FF.


HARRY A. WATTERS
Reviewing Engineer

MEJ


FREDRICK L. AUSTIN P.E.
Reviewing Engineer


ANITA J. FRANKEL
Air Pollution Control Officer

Puget Sound Air Pollution Control Agency

HEREBY ISSUES AN ORDER OF APPROVAL
TO CONSTRUCT, INSTALL, OR ESTABLISH

Registration No. 10088

Notice of
Construction No. 5125

Date MAY 12 1994

Three 5790G Waukesha Raw Sewage Pump Internal Combustion Engines using Digester Gas to replace existing combustion engines.

LARRY ELLINGTON, RIGHT OF WAY AGENT

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MUNIC. OF METRO. SEA.

821 SECOND AVE

SEATTLE

WA 98104

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INSTALLATION ADDRESS

MUNIC. OF METRO. SEA. (WEST POINT), 1400 UTAH ST W, SEATTLE, WA, 98199

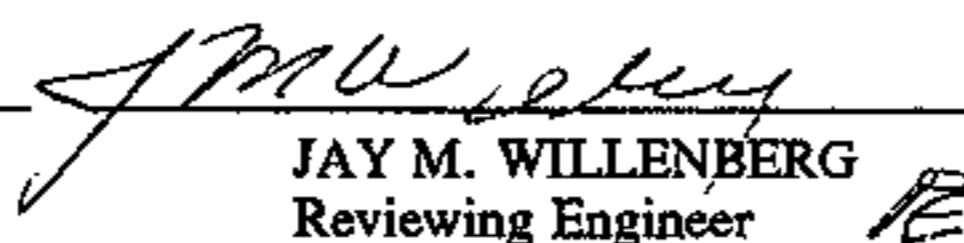
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3. This approval does not relieve the applicant or owner of any requirement of any other governmental agency.
4. Metro shall perform an annual NOx and CO Audit according to procedures approved by the Control Officer to insure that each engine is performing to specification and that the emissions of these pollutants are equal to or less than:
Using Digester Gas as Fuel - 4.2g/hp-hr NOx
1.6g/hp-hr CO
Using Propane - 14.6g/hp-hr NOx
0.3g/hp-hr CO



CLAUDE M. WILLIAMS
Reviewing Engineer

MEJ



JAY M. WILLENBERG
Reviewing Engineer



ARTHUR DAVIDSON
Air Pollution Control Officer

Puget Sound Air Pollution Control Agency

HEREBY ISSUES AN ORDER OF APPROVAL
TO CONSTRUCT, INSTALL, OR ESTABLISH

Registration No. 10088

Notice of
Construction No. 6806

Date JAN 16 1997

One Zink Waste Gas Flare (#3) rated at 330 cfm.

LARRY ELLINGTON, SR REAL PROP AGENT

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KING CO DEPT OF NATL RESOURCES (WTR POLL DIV)

821 2ND AVE M/S 120

SEATTLE

WA 98104

O KING CO DEPT OF NATL RESOURCES (WTR POLL DIV)

W 821 2ND AVE M/S 120

N SEATTLE

E WA 98104

INSTALLATION ADDRESS

METROPOLITAN KING CO. (WEST POINT), 1400 UTAH ST W (4215 36TH AVE W), SEATTLE, WA, 98199

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3. This approval does not relieve the applicant or owner of any requirement of any other governmental agency.
4. King County/METRO shall measure and maintain records of volumetric flow rates of waste digester gas processed by this unit. These records shall be maintained on file at the site.
5. King County/METRO shall operate the waste gas flare at flows consistent with the manufacturer's recommendations.

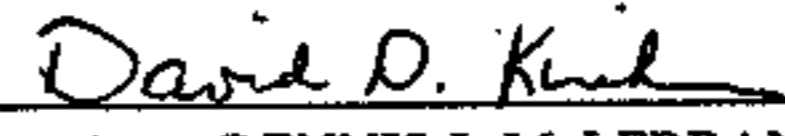


CLAUDE M. WILLIAMS
Reviewing Engineer

MEJ



JAY M. WILLENBERG
Reviewing Engineer



for DENNIS J. McLERRAN
Air Pollution Control Officer