



March 21, 2001

Ann Kenny
Permit Assistance Center
Department of Ecology
Northwest Regional Office
3190 - 160th Avenue SE
Bellevue, WA 98008-5452

RECEIVED
MAR 23 2001
DEPT OF ECOLOGY

Dear Ann:

Elizabeth Leavitt asked me to send the attached copy of our synthetic minor permit to you. Here's a little background:

On September 21, 1999, the Puget Sound Clean Air Agency issued an Order to the Port of Seattle limiting facility-wide air emissions of sulfur dioxide, nitrogen oxides, and carbon monoxide at the Seattle-Tacoma International Airport to less than 99 tons each during any 12 consecutive months. In order to demonstrate compliance with this Order, the Port is required to monitor fuel usage of natural gas and estimate fuel oil usage for stationary air emission sources, and calculate air emissions on a monthly basis using specified emission factors. The Port is required to review these emission factors on an annual basis or more frequently when requested to do so by the Puget Sound Clean Air Agency. The Port is also required to perform an emission inventory survey of stationary air emission sources under common control of the Port every 5 years. (Note: The term stationary air emission source includes, but is not limited to, all stationary fuel burning equipment and internal combustion engines, spray coating operations (excluding painting of building structures), solvent cleaning operations, gasoline refueling operations, woodworking operations, and soil and groundwater remediation systems.)

Based on a quick review of our monthly records, we are well below are emission limits. Typically, emissions of nitrogen oxides are between 15 and 17 tons over the previous 12 month period, and emissions of carbon monoxide and sulfur dioxide are each 10 tons or less over the previous 12 month period.

If you have additional questions or comments, feel free to contact me at (206) 988-5569.

Sincerely,

Maggie Corbin
Sr. Environmental Program Manager

Seattle-Tacoma
International Airport
P.O. Box 68727
Seattle, WA 98168 U.S.A.
TELEX 703433
FAX (206) 431-5912

Ex. # 445

DOI 42401 412

AR 022782



Puget Sound Clean Air Agency

110 Union Street, Suite 500, Seattle, WA 98101-2038

Notice of
Construction No. 7177

Registration No. 21408

Date SEP 21 1999

ORDER

to establish the following emission or operational limits for the air pollution source located at
17801 International Blvd, Seatac, WA, 98158

Under authority of Puget Sound Clean Air Agency Regulation I, Section 6.06, Order of Approval to Construct, and WAC 173-400-091, Voluntary Limits On Emissions, the Puget Sound Clean Air Agency hereby issues an Order

To

**Seattle-Tacoma International Airport
17900 International Blvd #301
Seattle, WA 98188**

As Requested By

**Port of Seattle
Seattle-Tacoma International Airport
17900 International Blvd #301
Seattle, WA 98188**

LIMITS AND CONDITIONS

This Order is issued with the following limits and monitoring, recordkeeping and reporting conditions.

1. Port of Seattle, Seattle-Tacoma International Airport (the Port) shall limit facility-wide emissions of sulfur dioxide, nitrogen oxides, and carbon monoxide to less than 99 tons each during any 12 consecutive months after the date of this Order.

2. Within 30 days of the end of each month, the Port shall estimate and record monthly emissions of sulfur dioxide, nitrogen oxides, and carbon monoxide using the following methods:

(a) For boilers and space heaters, the Port will monitor monthly fuel usage of natural gas through monthly accounting invoices, and estimate fuel oil usage by monitoring hours of operation on the fuel oil (or alternatively estimate fuel oil usage by monitoring tank levels), and calculate emissions by multiplying total monthly usage rates by the following emission factors:

NATURAL GAS: Nitrogen Oxides - 100 pounds/million standard cubic foot; Carbon Monoxide - 84 pounds/million standard cubic foot; and Sulfur Dioxide - 0.6 pounds/million standard cubic foot.

RESIDUAL OIL BLEND (e.g., PS300): Nitrogen Oxides - 55 pounds/thousand gallons; Carbon Monoxide - 5 pounds/thousand gallons; and Sulfur Dioxide - 326 pounds/thousand gallons.

DIESEL OIL: Nitrogen Oxides - 20 pounds/thousand gallons; Carbon Monoxide - 5 pounds/thousand gallons; and Sulfur Dioxide - 71 pounds/thousand gallons.

(b) For the Caterpillar 600 kw (power outage) emergency generators, the Port will monitor monthly hours of operation to estimate fuel usage and calculate emissions using the following

DOI 12401-413

AR 022783

Order for NC No. 7777

emission factors:

Nitrogen Oxides: 481 pounds/thousand gallons; Carbon Monoxide: 55 pounds/thousand gallons; Sulfur Dioxide: 72 pounds/thousand gallons.

(c) For all other emergency generators/pumps with an engine capacity below 600 brake horsepower (hp), the Port will monitor monthly hours of operation, and calculate emissions using the following emission factors:

Nitrogen Oxides: 0.031 pounds/horsepower-hour.

(d) For all other emergency generators/pumps with an engine capacity at or greater than 600 brake horsepower (hp), the Port will monitor monthly hours of operation, and calculate emissions using the following emission factors:

Nitrogen Oxides: 0.024 pounds/horsepower-hour.

3. The Port shall maintain records of the rolling 12 consecutive month total of the regulated pollutants limited in Condition No. 1 of this Order. The Port shall maintain all records for at least five years and shall make them available to Puget Sound Clean Air Agency personnel upon request.

4. The Port shall notify Puget Sound Clean Air Agency Permit Certification, in writing, within 30 days after the end of each 12-month period if, during that period, emissions of any one criteria pollutant (sulfur dioxide, nitrogen oxides, or carbon monoxide) exceeded 90 tons. The report shall include emissions data for the time period for which the 90-ton threshold was exceeded.

5. The Port shall review the emission factors specified in Condition No. 2 on an annual basis (new information available between April 1 of the previous year and April 1 of the current year) or as requested by the Control Officer. The results of this review shall be submitted to Puget Sound Clean Air Agency Permit Certification, in writing, at the same time the annual emission inventory is submitted (if required) or as required by the Control Officer. The report shall include a description of any source testing performed by the Port and any proposed revisions to the emission factors in Condition No. 2. The Port shall submit an application requesting a revised Order if any of the following conditions are met:

(a) Emission factors have been obtained from a Puget Sound Clean Air Agency approved source test on equipment under direct control of the Port and located on the airport property. If actual emissions of any of the pollutants limited in Condition No. 1 of this Order exceed 80 tons during the previous calendar year, the Port shall perform source tests on representative equipment that accounts for 80% of the calculated emissions of that pollutant. The source tests shall follow Puget Sound Clean Air Agency Regulation I, Section 3.07, and the plan shall be approved by the Puget Sound Clean Air Agency prior to conducting the source testing.

(b) Emission factors have been revised by EPA in Compilation of Air Pollutant Emission Factors (AP-42) Volume I: Stationary Point and Area Sources (AP-42) for the type of equipment specified in Condition No. 2 (if AP-42 emission factors are currently used to calculate emissions) and results in an increase of estimated emissions of more than 10% of any of the limits in Condition No. 1.


Order for NC No. 7777

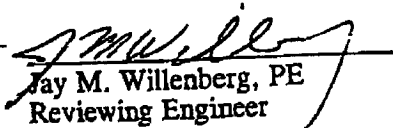
(c) Manufacturer's data has been provided to the Port that better characterizes emissions from the type of equipment specified in Condition No. 2 and results in an increase of estimated emissions of more than 10% of any of the limits in Condition No. 1.

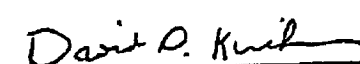
6. Once every 60 months from the date of this Order, the Port shall perform an emission inventory survey of stationary sources under common control of the Port at Seattle-Tacoma International Airport. The survey shall include emissions of sulfur dioxide, nitrogen oxides, carbon monoxide, particulate matter, volatile organic compounds and total hazardous air pollutants from activities addressed in Condition No. 2 and other air contaminant generating activities such as surface coating operations, wood working operations, or storage of fuel. The Port shall use emission factors approved by Puget Sound Clean Air Agency in this Order when applicable. Otherwise, the Port shall use EPA emission factors in AP-42, manufacturer's data specific to equipment located at the airport, or the material balance method. If actual emissions of particulate matter or volatile organic compounds exceed 20 tons or actual emissions of total hazardous air pollutants exceed 5 tons, the Port shall submit a report to Puget Sound Clean Air Agency that summarizes the results of the inventory.

7. This Order shall expire upon Puget Sound Clean Air Agency's determination that the Port has submitted a complete application for an operating permit under Article 7 of Puget Sound Clean Air Agency Regulation I.

Pursuant to RCW 43.21B.310, this Order may be appealed to the Pollution Control Hearings Board (PCHB). To appeal to the PCHB, an appeal must be filed with the PCHB and a copy served upon Puget Sound Clean Air Agency within 30 days of receiving this Order.


Margaret L. Corbin
Reviewing Engineer


Jay M. Willenberg, PE
Reviewing Engineer


for Dennis J. McLerran
Air Pollution Control Officer



GARY LOCKE
Governor

STATE OF WASHINGTON

OFFICE OF THE GOVERNOR

P.O. Box 40002 • Olympia, Washington 98504-0002 • (360) 753-6780 • TTY/TDD (360) 753-6466

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DEPT OF ECOLOGY

June 30, 1997

The Honorable Rodney Slater, Secretary
U.S. Department of Transportation
400 7th Street SW
Washington, DC 20590

Dear Secretary Slater:

The purpose of this letter is to reaffirm the conclusions in the December 20, 1996 letter from Washington Ecology Director Mary Riveland to Mr. Dennis Ossenkop. In that letter, the State of Washington provided reasonable assurance that the proposed airport development project involving the Sea-Tac Airport third runway will be located, designed, constructed and operated so as to comply with applicable air and water quality standards. Since the State provided that assurance, the Port of Seattle and the Federal Aviation Administration have prepared and distributed a supplemental environmental impact statement. With this letter, the State of Washington is again certifying that we will take the necessary actions to assure that the project is built and operated in compliance with applicable air and water quality standards.

The Washington Department of Ecology has reviewed the information contained in the Final Supplemental Environmental Impact Statement for the Proposed Master Plan Update at Seattle Tacoma International Airport and other relevant documents. As a result of that review, the State of Washington reaffirms its earlier findings and hereby provides that there is reasonable assurance that the airport development project involving the Sea-Tac third runway will be located, designed, constructed and operated so as to comply with applicable air and water quality standards, if the Port of Seattle implements the following measures:

1. The Port of Seattle will obtain and comply with all applicable air and water quality regulations, permits and approvals including the air conformity determination required under the Federal Clean Air Act.
2. The Port of Seattle will implement stormwater control measures that comply with the requirements contained in the most current Stormwater Management Manual for the Puget Sound Basin or other equivalent stormwater manuals approved by the Department of Ecology.
3. The Port of Seattle will establish and implement a process for monitoring construction activities to ensure compliance with applicable air and water standards. As part of this

process, the Port of Seattle will perform the following activities after Ecology review and comment:

- a) prepare a new runway construction sediment and erosion plan which adheres to available best management practices (BMPs) and procedures which the Port of Seattle will attach to the bid packages when seeking contractors to construct the runway;
 - b) prepare site-specific sediment and erosion control plans which describe specific BMPs and procedures for individual construction and borrow sites;
 - c) implement procedures for reviewing mitigation requirements with contractors and subcontractors prior to initiating construction activities;
 - d) implement procedures for addressing changes in plans and construction activities and resolving disagreements on the interpretation of mitigation requirements, permit conditions, and allowable construction activities; and
 - e) establish and fund an independent qualified construction pollution control officer to advise on and determine compliance with applicable air and water quality standards.
4. As part of its ongoing efforts to address hazardous substance releases under the Model Toxics Control Act (MTCA), the Port of Seattle will complete a ground water evaluation at the airport as defined in the MTCA Agreed Order which will be finalized after review of public comments. The purposes of this evaluation include:
- a) determine ground water flow characteristics and identifying fate and transport mechanisms;
 - b) modeling to assess potential risks to area drinking water supplies and adjacent surface water bodies; and
 - c) conducting additional characterization of ground water and/or long-term monitoring as necessary.
5. The Port of Seattle will design and construct the third runway such that the project will not cause changes in the location of the hydrologic divide between Miller and Des Moines Creeks in a manner that alters the average instream flow of either creek. The Port of Seattle will evaluate the feasibility of constructing an aquifer under the third runway as a means to control stormwater flows and minimize impacts on instream flows. The Port of Seattle will submit a report to Ecology describing the results of this evaluation.

As stated in the December 20, 1996 letter, the State of Washington expects that the proposed project will be implemented in a manner that is consistent with mitigation requirements under the National Environmental Policy Act/State Environmental Policy Act, other environmental

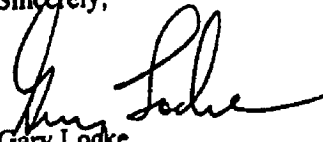
The Honorable Rodney Slater, Secretary
June 30, 1997
Page 3

monitoring studies, and control measures and permitting actions involving air and water quality at Sea-Tac Airport. In particular, implementation of the proposed project must take into account the air monitoring evaluation being conducted by the Port, the Puget Sound Air Pollution Control Authority (PSAPCA), EPA, and Ecology.

This letter reaffirms and supersedes the December 20, 1996 letter issued by former Ecology Director Mary Riveland. Consequently, this letter constitutes the state certification required under 49 U.S.C. 47101 et seq. All parties are aware that this letter does not constitute a commitment to issue any specific permit. I have directed the Department of Ecology and other state agencies to implement and enforce applicable air and water quality standards in a manner that protects the health of Washington's citizens and the environment.

If you or your staff have questions regarding this letter, please contact Mr. David Bradley (360/407-6907) or Mr. David Williams (425/649-7071).

Sincerely,



Gary Locke
Governor

cc: Tom Fitzsimmons, Department of Ecology
Dennis McLerran, Puget Sound Air Pollution Control Authority
Gina Marie Lindsey, Port of Seattle

AR 022788

DOI-12401 418

FOSTER PEPPER & SHEFELMAN PLLC
ATTORNEYS AT LAW



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PHONE: (206) 447-4400

RECEIVED
FACSIMILE TRANSMITTAL SHEET

August 10, 2000

DD AUG 10 11:08

TO:	FAX NUMBER:	VOICE CONTACT:	VOICE CONFIRM:
Mr. Michael Cheyne	(206) 431-4980	(206) 431-4994	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Ms. Traci M. Goodwin	(206) 728-3205	(206) 728-3212	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Ms. Elizabeth Leavitt	(206) 988-5636	(206) 433-7203	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

From: Patrick J. Mullaney
Direct Dial: (206) 447-2815
Direct Return Fax: (206) 749-2058

Attachments:

Number of Pages (Including this cover page): 3

User & Client/Matter Number: 7155-4

Return to/Location: 34-65

Message: Attached is the Shoreline exemption received from the City of Auburn today.

**IF YOU HAVE QUESTIONS REGARDING THE TRANSMISSION OF THIS FAX,
PLEASE CONTACT THE FAX DEPARTMENT AT (206) 447-2903**

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