

DEQ Requests Comments on Oil Re-Refining Company's Proposed Air Quality and Solid Waste Permits

The Oregon Department of Environmental Quality proposes to issue two permits for Oil Re-Refining Company Inc., or ORRCO, and invites the public to submit comments on the permit conditions for the proposed permits. The proposed permits are: 1) a renewal for an air quality permit, known as a Standard Air Contaminant Discharge Permit, and 2) a new solid waste treatment, transfer station and material recovery facility permit.

Summary

ORRCO's air quality permit sets limits on the amount of pollutants the facility is allowed to emit. The proposed permit renewal includes modifications addressing operational equipment removal (pyro unit and wastewater evaporator) and the future installation of used oil processing equipment (wiped film evaporator, rocket polishing system) and air pollution control devices (thermal oxidizer, tube and shell condensers). The permit requires additional monitoring, weekly odor surveys, and restrictions on the type of fuel that can be burned to heat the facility's oil processing equipment. It maintains the facility's current emission limits for criterial pollutants.

The proposed solid waste permit allows ORRCO to accept and process used oil filters and oily solids and sludges for onsite processing or transfer to other facilities for metal recovery or disposal. Onsite processing includes solidifying wetter material so landfills can accept it and crushing used oil filters to separate used oil and metals. The solid waste permit prohibits the facility from accepting used oil known to be contaminated with PCBs. It also requires the facility to prepare and follow an Operations Plan that includes properly managing used oils found during the pre-acceptance screening to contain PCBs.

How do I participate?

You may attend an in-person public hearing on April 24 to comment, or submit written comments by May 1 at 5 p.m.

Public hearing information

April 24 at 6 p.m.
Red Lion Hotel on the River
Washington and Clark Room
909 N. Hayden Island Drive
Portland, OR 97217

Submit written comments on either the solid waste permit or the air quality permit or both permits by mail, fax, or email to:

Air quality permit coordinator
700 NE Multnomah Street, Suite 600
Portland, OR 97232

Fax: 503-229-6945

Email: nwraqpermits@deq.state.or.us

Written comments are due by Tuesday, May 1 at 5 p.m. All comments will become part of the public record.

About the facility

ORRCO is a used oil re-refiner located at 4150 N Suttle Rd. in Portland. ORRCO processes used oil into saleable fuel products. Byproducts of oil re-refining include wastewater, light end fuel products, and asphalt flux, a thick tar-like material. The facility processes the recovered wastewater on site, burns the light end fuel products on site, and sells the asphalt flux to other companies.

Environmental impacts

If not properly operated, used oil re-refiners can release contaminants to the air, land and water that may cause unacceptable environmental impacts. The purpose of the air and solid waste permits are to establish conditions to accept, process and manage used oil, used oil filters, antifreeze and oily waters, commercial chemical products and other wastes to be in compliance with environmental requirements.

What air pollutants will the air quality permit regulate?

This permit regulates emissions of the pollutants listed in the table at the end of this document.



State of Oregon
Department of
Environmental
Quality

Northwest Region
700 NE Multnomah St. Ste.
600
Portland, OR

Contact:
Louis Bivins
Phone: 503-229-6333
800-452-4011
Fax: 503-229-6945

Contact:
Heather Kuoppamaki
Phone: 503-229-5125
800-452-4011
Fax: 503-229-6957

www.oregon.gov/DEQ

DEQ is a leader in restoring, maintaining and enhancing the quality of Oregon's air, land and water.

How does DEQ determine air quality permit requirements?

DEQ evaluates types and amounts of pollutants and the facility's location, and determines permit requirements according to state and federal regulations.

What special conditions are in this air quality permit?

Special conditions in this air quality permit require ORRCO to install and operate a thermal oxidizer prior to installing the wiped film evaporator, sour water stripper, or rocket filtration system.

What special conditions are in this solid waste permit?

Special conditions in this solid waste permit require ORRCO to ensure incoming waste materials do not contain PCBs and are not hazardous wastes.

How does DEQ monitor compliance with the permit requirements?

This air quality permit would require the facility to monitor pollutants using federally approved monitoring practices and standards. DEQ verifies the facility's compliance status by conducting on and off site inspections and investigations, on site record review, and annual report review.

The solid waste permit requires the facility to track and submit annual reports on solid waste accepted at the facility and conduct characterizations to make sure the facility is accepting only authorized waste. DEQ will conduct periodic inspections to verify compliance with the solid waste permit.

What happens after the public comment period ends?

DEQ considers and responds to all comments received and may modify the proposed permits based on comments. If a facility meets all legal requirements, DEQ will issue the facility's air quality and solid waste permits.

Where can I get more information?

View the proposed air quality permit at:
<http://bit.ly/ORRCOair>

View the proposed solid waste permit at:
<http://bit.ly/ORRCOwaste>

Find out more information about the facility at:
<http://bit.ly/PDXNorthHarbor>

You may also view the proposed permits and related documents in person at the DEQ office in Portland. For a review appointment, call 505-229-5582.

Alternative Formats

Documents can be provided upon request in an alternate format for individuals with disabilities or in a language other than English for people with limited English skills. To request a document in another format or language, call DEQ in Portland at 503-229-5696, or toll-free in Oregon at 1-800-452-4011, ext. 5696; or email deqinfo@deq.state.or.us.



Emissions limits

Table 1 below presents maximum *allowable* emissions of criteria pollutants and greenhouse gas for the facility. The current emission limits reflect maximum emissions the facility can emit under the existing permit. The proposed emission limits reflect maximum emissions the facility would be able to emit under the proposed permit. Typically, a facility's actual emissions are less than maximum limits established in a permit; however, actual emissions can increase up to the permitted limit.

Table 1

Criteria Pollutant	Current Limit (tons/yr)	Proposed Limit (tons/yr)
Particulate matter	24	24
Small Particulate matter	14	14
Fine Particulate matter	9	9
Nitrogen oxides	39	39
Sulfur dioxide	39	39
Carbon monoxide	99	99
Volatile organic compounds	39	39
Greenhouse Gas	74,000	74,000

For more information about criteria pollutants, go to: www.epa.gov/criteria-air-pollutants

Hazardous air pollutants

Oil Re-Refining Company Inc. is not a major source of hazardous air pollutants; however, EPA has determined that businesses similar to this facility, as a group, emit enough hazardous air pollutants to warrant regulation. Therefore, this source is subject to the National Emission Standard for Hazardous Air Pollutants: JJJJJ: Industrial, Commercial, and Institutional Boilers Area Sources. More detailed information can be found in the air permit's review report.