

Notice of Informational Meeting, Public Hearing and Public Comment Period

Proposed Issuance of Solid Waste Treatment Permit for S4 Columbia Ridge Recovery, LLC



State of Oregon
Department of
Environmental
Quality

The purpose of this notice is to invite you to provide written comments on the draft solid waste treatment permit for S4 Columbia Ridge Recovery, LLC which would be located in Arlington, OR.

This notice is also meant to notify you of the informational meeting and public hearing that will be held on August 25th, 2010, regarding this proposed facility.

DEQ's Role:

The Oregon Department of Environmental Quality (DEQ) is responsible for protecting and enhancing Oregon's water and air quality, for cleaning up spills and releases of hazardous materials, and for managing the proper disposal of hazardous and solid wastes. One way DEQ does this is by requiring permits for certain activities. DEQ issues permits to regulate the type and amount of waste disposed of at a regulated facility.

Informational Meeting/Public Hearing details:

The Informational Meeting and Public Hearing will be held on August 25th, 2010. An information session will be held from 6:00pm-6:45pm.

The Public Hearing will follow beginning at 7:00 pm.

LOCATION

**Arlington Elementary School Cafeteria
1400 Main Street
Arlington, OR 97812**

Notice issued: July 26, 2010

Comments due: August 31, 2010.

Where can I send my comments or get more information?

Liz Clark, Eastern Region Solid Waste Permits Coordinator
(541) 298-7255, ext. 221
400 E Scenic Drive, Suite 307
The Dalles, OR 97058
Fax: (541) 298-7330
Email: [Liz.Clark](mailto:Liz.Clark@deq.state.or.us)

Where can I get background information?

You can review electronic versions of the draft permit and evaluation report by clicking on the links below:

[Draft Permit](#)
[Evaluation Report](#)

You can review hard copies of the draft permit and related documents at:

Arlington Public Library
500 West 1st Street
Arlington, OR 97812
(541) 454-2444

or

Department of Environmental Quality
700 SE Emigrant, Suite 330
Pendleton, OR 97801
For a review appointment call (541) 276-4063 or 800-304-3513

What is proposed?

DEQ proposes to issue a Solid Waste Treatment Permit to S4 Columbia Ridge Recovery, LLC and is inviting public comment on the proposed permit action. During the comment period, the public is invited to make comments related to specific conditions within the proposed permit.

S4 Columbia Ridge Recovery, LLC is proposing to construct a 25 ton per day plasma gasification unit. Gasification is not incineration. This type of technology exposes shredded waste to extremely intense energy in a low oxygen atmosphere which gasifies the organic fraction of the waste. The intense energy is produced by passing an electric current between two electrodes producing a "plasma arc". The gas produced, once cleaned, can be used as a clean burning fuel or as a chemical feedstock to produce other products such as hydrogen or synthetic diesel. This particular facility is a research and development facility so the gas created will be flared in the existing landfill gas flare. The facility also creates some metals residue that will be recycled and an inert glass, formed from any inorganic materials in the waste, which will either be properly disposed or used for beneficial uses. There is also the potential for some liquid waste to be produced which will also have to be

Eastern Region Solid Waste Program

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Notice Issued: July 26, 2010
By: Liz Clark

properly disposed. The permit requires the facility to fully characterize all by-products and properly dispose of those by-products. Since this is a new permit, all conditions are new to this facility.

Permit expiration

Upon issuance, this permit will be effective for five (5) years, expiring on September 1, 2015.

Who is the applicant?

Waste Management Disposal Services of Oregon, Inc.
13225 NE 126th Place
Kirkland, WA 98034
(541) 454-3201

Where is the facility located?

18177 Cedar Springs Lane
Arlington, OR 97812
T2N, R21E, S20, W.M.
Latitude 45° 36' 57.2" N,
Longitude - 120° 14' 20"
Gilliam County

Who might have an interest?

People who work, live, and recreate in the area.

What does S4 Columbia Ridge Recovery do that affects environmental quality?

The facility will be diverting 25 tons of solid waste per day to this facility, which is the equivalent of one truckload of municipal solid waste that is currently sent to the Columbia Ridge Landfill. The waste will be sorted and shredded and then thermally treated to create synthetic gas. This facility will be flaring the gas in the existing landfill gas flare. Additionally, the treatment process creates both solid and liquid by-products that require disposal. The permit requires the facility to fully characterize all by-products and properly recycle or dispose of those by-products.

The Air Quality Program has only required a "Notice of Intent to Construct" at this time. The rationale behind this requirement is due to the fact that this is a temporary research and development project and the emissions will be in compliance with their current Title V air permit.

What legal requirements apply?

Oregon Revised Statutes (ORS) 459 and Oregon Administrative Rules (OAR) Chapter 340 Division 93 give DEQ the authority to issue solid waste permits.

How does DEQ determine what requirements go in the permit?

Various federal and state regulations apply to a facility depending on the type of industry, the

type and amount of waste disposed and the location of the facility. All applicable regulations must be contained in the permit, including the appropriate recordkeeping, monitoring and reporting requirements to ensure compliance with these rules.

What are the known health effects or environmental impacts of the waste treated by S4 Columbia Ridge Recovery, LLC?

The sorting and shredding of the waste will be conducted within a building thus reducing the potential for impacts to human health and the environment.

Storage and management of any by products will be in strict compliance with Federal, State and DEQ permit requirements and so will avoid the potential for harmful health and environmental impacts.

How are the permitted substances measured?

The wastes are measured by the tons of waste received.

Compliance history:

This is a new facility; therefore, there is no compliance history.

What are the special conditions of this permit?

The facility is required to operate as required in their approved Operations Plan. The facility is additionally required to characterize all treatment by-products and waste waters prior to disposal.

What other DEQ permits are required?

The facility is also required to operate in compliance with their Title V and Water Quality Storm Water Permit.

What similar activities take place in the vicinity of the facility?

This facility will be co-located at the Columbia Ridge Landfill which accepts approximately 7,000 tons per day of municipal solid waste per day.

What happens after the hearing?

DEQ will consider and provide responses to all comments received at the close of the comment period. DEQ may modify provisions in the proposed permit, but the permit writers can only modify conditions of the permit in accordance with the rules and statutes under the authority of DEQ. Participation in the rulemaking or the legislative process is the only way to change the rules or statutes. Ultimately, if a facility meets all



legal requirements, DEQ will issue the facility's Solid Waste Disposal Site Treatment Permit.

Accessibility information

DEQ is committed to accommodating people with disabilities. Please notify DEQ of any special physical or language accommodations or if you need information in large print, Braille or

another format. To make these arrangements, contact DEQ Communications & Outreach (503) 229-5696 or toll free in Oregon at (800) 452-4011; fax to 503-229-6762; or e-mail to deqinfo@deq.state.or.us.

People with hearing impairments may call 711.

