



RESPONSIVENESS SUMMARY

CENTRALIA LANDFILL CLEANUP SITE

**Public Comment Period for a Draft Periodic Review Report
October 12 – November 13, 2010**

**Prepared by
Washington State Department of Ecology
Southwest Regional Office
Toxics Cleanup Program
Lacey, Washington**

November 2010

Background

Centralia Landfill (unlined landfill) operated from 1958 until 1994. To accommodate waste disposal after closure of the Landfill, the Lewis County Central Transfer Station facility was constructed on the Closed Northend Landfill and began operation in 1994.

In October 1985, Ecology conducted a preliminary evaluation of the landfill in conjunction with U.S. Environmental Protection Agency (EPA). The landfill was determined to be a hazardous waste site resulting in the placement of the Site on the federal National Priorities List and the Washington State Hazardous Sites List in August 1990. Ecology was designated the lead agency for Site cleanup.

In 1994, Ecology and the Centralia Landfill Closure Group (a group of liable parties) entered into a Consent Decree and a cover was placed on the landfill. The multi-layer cover system was designed to eliminate infiltration of precipitation into the landfill, and direct clean surface runoff into a wetland mitigation area south of the Landfill. In addition to the cover, a permanent gas collection system was installed beneath the cover, and a permanent gas flare system was installed adjacent to the Landfill entrance facilities for gas treatment. Perimeter fencing was completed around the Landfill to enclose all of the Final Cover Area and much of the Closed Northend Landfill.

Ecology completed a periodic review on the Centralia Landfill site. A periodic review is conducted at least every five years after the initiation of a final cleanup action at a site, as required by the Model Toxics Control Act (MTCA). The purpose of the review is to evaluate site conditions after cleanup is considered complete to ensure protection of human health and the environment.

Results of the Periodic Review:

- Remedial actions at the Site appear generally protective of human health and the environment.
- The groundwater data were reviewed from 1996 to 2009. This review showed the risk to human health and environment from shallow and deep aquifers has been eliminated and there are no indications of landfill leachate in the groundwater.
- Landfill gas production is reduced to the point where it is not measured at the property boundary line, the points of compliance.
- The review of the surface water data showed there are no indications of leachate from the landfill to the surface water. This shows the landfill cover works as designed.
- The cover continues to prevent human exposure to contamination through ingestion and direct contact with soils. The Restrictive Covenants on the property protect the cover and site access controls.
- At this time, the remedial actions conducted at the Site continue to be protective of human health and the environment.

Ecology held a public comment period from October 12 – November 13, 2010 for the periodic review draft report. Comments received during the comment period and Ecology's responses are summarized in this report.

Comment #1: Kahle Jennings, Director, Centralia Public Works

Centralia has read through the periodic review and did not find anything that we are concerned about. We are pleased with the way site cleanup is headed.

I am checking with Randy with one small question: On page 5 the last sentence before Section 2.3 says “landfill gas monitoring continued at the site until 2010...” The word “until” is a little confusing to me. Did we cease landfill gas monitoring at the end of 2009? That is what it sounds like to me and I’ll let you know what I hear.

Thank you for the opportunity to review it.

Kahle Jennings, Director

Centralia Public Works

Ecology Response

The long term groundwater, surface water and gas monitoring have never stopped at Centralia Landfill. Section 5 (conclusions) in the periodic review states that the monitoring will continue with lesser frequency. The exact content of Section 5 in the periodic review is as follows:

Future Monitoring - The groundwater and surface water monitoring will be reduced to semiannual from quarterly and the landfill gas monitoring will be reduced from monthly to quarterly.