



Zeidrich Dump Site — Amended Preferred Clean-up Plan

Ohio EPA's amended preferred plan to clean up a landfill waste dump located east of the Village of Minerva, Ohio.

When Ohio EPA suspects a site is contaminated with hazardous substances, the Agency may enter into a legal agreement called Director's Final Findings and Orders (DFFOs) with the responsible parties, requiring them to investigate the nature and extent of contamination and develop options to clean it up. Ohio EPA reviews the alternatives and issues a preferred plan for public comment. After all comments are considered, Ohio EPA issues a decision document, finalizing the selected alternative.

Background

The Zeidrich Dump Site, originally owned by Andy Dietrich, was leased to Matthew Zeidrich in 1947 for use as a landfill site. Matthew Zeidrich purchased the property in 1954. Disposal of municipal waste at the site began in the early 1950s. From 1963 to 1970, the landfill accepted industrial wastes from the TRW, Inc. facility located in Minerva. Northrop Grumman purchased TRW in 2002. Agricultural and residential properties surround the site. The Village of Minerva is approximately 1,000 feet west of the site.

Site History

- 1983: Ohio EPA begins investigating a complaint about the site from the Village of Minerva.
- 1989-1990: Ohio EPA refers the site to U.S. EPA, requesting an emergency removal action to remove 1,582 drums of waste. U.S. EPA orders the removal of the drums.
- 1992-1998: Ohio EPA orders TRW to investigate environmental contamination at the site. Various phases of the investigation are completed.
- 1999: Ohio EPA approves a feasibility study recommending a landfill cap as the remedy.
- 2002: Ohio EPA issues a preferred plan recommending the landfill cap.
- 2003: Ohio EPA issues a decision document finalizing the landfill cap remedy.
- 2004: Ohio EPA issues DFFOs to implement the remedy.
- 2005: Ohio EPA issues an amended preferred plan and decision document redefining the site and modifying the remedy.
- 2007-2012: New information about the landfill wastes opens the possibility of excavation and off-site disposal. Northrop Grumman and Ohio EPA seek approval from U.S. EPA to dispose of the landfill wastes in Coshocton Landfill.
- 2013: U.S. EPA classifies the landfill waste as PCB-remediation waste, eliminating the possibility of disposal in Coshocton Landfill.
- 2013: Northrop Grumman submits a Focused Feasibility Study Addendum (FFSA) recommending excavation and disposal of wastes in a landfill permitted to accept PCB waste.
- 2017: Ohio EPA approves FFSA after multiple rounds of comments are resolved with Northrop Grumman.

Site Investigation Summary

Northrop Grumman's investigation concluded the following:

- Landfill wastes are the source of contamination.
- Ground water in the shallow zone is impacted above safe drinking water standards near the western and southern edges of the landfilled area.

More Information

During the public comment period, the preferred plan and related documents will be available at the Minerva Public Library, 677 Lynwood Drive, Minerva, Ohio 44657. The documents will also be available at Ohio EPA's Northeast District Office, 2110 E. Aurora Road, Twinsburg, OH, 44087, by first calling (330) 963-1200.

Contact

For more information, contact Ed D'Amato at Ed.Damato@epa.ohio.gov or (330) 963-1290.

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Risks and Clean-up Goals

Risks to human health and the environment were assessed based on the results of the investigation, to determine if a cleanup was warranted. The risk assessment evaluation indicated that the site contamination posed unacceptable risks of hazards to human health and the environment, requiring the need for clean-up actions. The exposure risks associated with this site result from direct contact with landfill wastes and with contaminated ground water.

To address these exposure risks, clean-up goals were established for the site's contaminants.

Using the clean-up goals, an alternative to the clean-up plan in the previous preferred plan was identified and presented in the December 2016 feasibility study prepared by AECOM, on behalf of Northrop Grumman. The new alternate clean-up plan (excavation and off-site disposal of the landfill materials) as well as the previous clean-up plan (landfill waste cover) are discussed in the 2017 amended preferred plan.

Ohio EPA's Preferred Plan

Ohio EPA's preferred plan proposes implementation of the amended remedy, which includes the steps below, to clean up the site:

- Excavation and off-site disposal of the landfill waste, contaminated soil and sediment at an approved disposal facility.
- Confirmatory sampling to verify that the clean-up goals are met.
- Sampling of ground water after excavation work is completed to assess the effectiveness of the remedy.
- Mitigation of ground water impacts, if necessary.
- Placement of an institutional control to restrict the use of ground water, if necessary.
- Mitigation of impact to adjacent wetlands, if necessary.

Cleanup Cost

The cleanup is expected to cost \$6,861,949, not including potential costs for ground water assessment and mitigation.

Next Steps

Ohio EPA has scheduled a public meeting on December 11, 2017 to discuss the preferred cleanup plan. The meeting will begin at 6:00pm, at the Minerva High School Auditoria, located at 501 Almeda Avenue, Minerva, Ohio. Comments concerning the plan may be presented at the public meeting or submitted to Edward D'Amato at ed.damato@epa.ohio.gov or at Ohio EPA's Northeast District Office, 2110 E. Aurora Road, Twinsburg, OH, 44087. The public comment period ends December 18, 2017.

After considering all public comments and program staff recommendations, the director will issue a decision document detailing the final cleanup alternative. Ohio EPA will work concurrently with potentially responsible parties to implement the cleanup plan.