

Lake Ontario Ordnance Works News from the Corps

Sent: Thu 8/06/2015 11:44 AM

Hello from the U.S. Army Corps of Engineers Buffalo District:

The Buffalo District is pleased to announce the availability of the Final Feasibility Study, Exposure Unit 8 – Occidental Chemical Corporation Property at the Former Lake Ontario Ordnance Works, and a fact sheet summarizing the document at <http://www.lrb.usace.army.mil/Missions/HTRW/DERPFUDS/LakeOntarioOrdnanceWorks.aspx> on the Buffalo District website.

The former Lake Ontario Ordnance Works (LOOW) is located in the towns of Lewiston and Porter, Niagara County, New York, and was used during World War II as a trinitrotoluene (TNT) manufacturing facility. The Occidental Chemical Corporation Property (OCCP) is an approximately 304-acre parcel located within the undeveloped area of the former LOOW in the town of Porter. Exposure Unit (EU) 8 is an approximately 425 foot by 325 foot area located within the southwestern portion of the OCCP.

The feasibility study was prepared as part of the Corps of Engineers' environmental response project conducted under the Defense Environmental Restoration Program for Formerly Used Defense Sites (DERP-FUDS) in accordance with the Comprehensive Environmental Response, Compensation, and Liability Act (42 U.S.C. § 9601 et. seq. as amended) and the National Oil and Hazardous Substances Pollution Contingency Plan (NCP) (40 CFR 300).

The feasibility study evaluates remedial technologies for the constituents of concern and debris identified in EU 8 surface and subsurface soil to ensure that the potential remedial alternatives will protect human health and the environment. The list of alternatives identified for screening and detailed analysis follows:

- a) Alternative 1: No Action (required by the NCP)
- b) Alternative 2: Land-Use Controls
- c) Alternative 3: Landfill Cap
- d) Alternative 4: Excavation and Off-site Disposal
- e) Alternative 5: Ex situ Chemical Reduction/Oxidation

In the feasibility study, each alternative was evaluated against seven criteria from the Comprehensive Environmental Response, Compensation, and Liability Act as follows:

- a) Overall Protection of human health and the environment
- b) Compliance with applicable or relevant and appropriate requirements
- c) Long term effectiveness and permanence
- d) Short term effectiveness
- e) Reduction of toxicity, mobility, or volume through treatment
- f) Implementability
- g) Cost