

Operations and Maintenance Summary (continued)

The treated water from the Advanced Oxidation Process Groundwater Treatment Plant is sent to the Main Groundwater Treatment Plant for further polishing; therefore the amount of contaminated groundwater treated from the Advanced Oxidation Process Groundwater Treatment Plant is included in the Main Groundwater Treatment Plant discharge quantity.



Load Line 1 Groundwater Treatment Plant,
Photo by ECC

Record of Decision for Operable Unit 3 Signed

The Record of Decision (ROD) to address Operable Unit 3 at the former Nebraska Ordnance Plant was signed on May 2, 2013. The ROD summarizes the No Further Action decision for Operable Unit 3 based on the Administrative Record.

The ROD is available electronically at the following address:

http://www.nwk.usace.army.mil/Portals/29/docs/environmental/mead/Documents/Final_OU3_ROD.pdf

The Administrative Record file for the site, which includes the ROD plus all documents that formed the basis for the No Further Action decision, is available at the Mead Public Library.

New Extraction Well EW-17

The U.S. Army Corps of Engineers installed a new extraction well EW-17 approximately 500 feet north of the Load Line 1 Groundwater Treatment Plant in May 2013. This well will supplement the existing extraction

well as part of the Load Line 1 groundwater contaminant plume containment system. The containment system now consists of two groundwater extraction wells (EW-12 and EW-17) which hydraulically contain the leading edge of the Load Line 1 TCE plume, treating contaminated groundwater, and discharging the treated water to Wahoo Creek. Previous model predictions indicated plume movement to the east and south of EW-12 was possible in the future and an additional well was recommended for plume containment. The location of EW-17 was selected based upon direct-push groundwater sample results and subsurface geophysics data. The new extraction well is currently pumping at a rate of 275 gallons per minute.



Extraction Well 17
Photo by ECC

Open House Meeting

The U.S. Army Corps of Engineers will host the annual Site Tour and Open House on Wednesday July 17, 2013. Please come join us at the Main Groundwater Treatment Plant at the junction of County Road 6 and County Road F, in Ashland, Nebraska. The open house will be from 4:30-5:30 PM and a Site Tour from 5:30-7:30 PM. Representatives from the U.S. Environmental Protection Agency and Nebraska Department of Environmental Quality are expected to attend as well.

Please plan on attending our Open House and Site Tour for handouts, light refreshments and a demonstration on well sampling and a groundwater flow model simulation at 5:00 PM. Project personnel will be available to provide and interpret water sampling results and other site data from 4:30-5:30 PM. Neighbors and local residents are welcome to join us for a guided bus tour starting at 5:30 PM that will introduce you to many parts of the groundwater clean-up project.

The tour will begin at the Main Groundwater Treatment Plant and we will then take the bus to the following locations: Load Line 4 and Advanced Oxidation Process Groundwater Treatment Plants, Load Line 1 Groundwater Treatment Plant, new extraction well EW-17, Pilot Study Preliminary Treatment Areas 1 and 2, and the Atlas Missile Area. The tour will end at 7:30 PM at the Main Groundwater Treatment Plant. See site tour map on the following page.

Open House Meeting (continued)

For further information regarding the meeting, contact the U.S. Army Corps of Engineers Project Manager at (816) 389-3172.

Operations and Maintenance Summary

Operation of the Main, Load Line 1, Advanced Oxidation Process, and Load Line 4 Groundwater Treatment Plants have resulted in removal of the following amounts of contaminants of concern from groundwater as of June 30, 2013 since their respective startup:

- TCE (trichloroethene) total removed – 27,431 pounds
- Main Groundwater Treatment Plant – 379 pounds
- Load Line 1 Groundwater Treatment Plant - 401 pounds
- Advanced Oxidation Process Treatment Plant - 23,643 pounds
- Load Line 4 Groundwater Treatment Plant – 3,008 pounds

RDX (hexahydro-1,3,5-trinitro-1,3,5-triazine) total removed from the Main Groundwater Treatment Plant – 260 pounds

Total gallons of water treated:

- Main Groundwater Treatment Plant - 11,948,796,000 gallons
- Load Line 1 Groundwater Treatment Plant - 1,140,607,500 gallons
- Advanced Oxidation Process Treatment Plant - 1,298,062,000 gallons
- Load Line 4 Groundwater Treatment Plant - 741,364,000 gallons

July 2013

For more information or any questions concerning the former Nebraska Ordnance Plant project, please contact:

Project Manager
U.S. Army
Corps of Engineers
Kansas City District
601 E. 12th Street
Kansas City, Missouri 64106
Phone (816) 389-3172

or go to the project website at

<http://www.nwk.usace.army.mil/Missions/Environmental/EnvironmentalProjects/NOP.aspx>

Information repository documents are available for review at:

Mead Public Library
316 South Vine Street
Mead, Nebraska 68041
(402) 624-6605

Hours

Tuesday: 9 - 11 AM and 2-7 PM
Wednesday 3-5 PM
Thursday: 9-11 AM, and 2-7 PM
Saturday: 9-1 PM



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