

DECISION DOCUMENT

1. PURPOSE OF REMEDIAL ACTION

This decision document describes the remedial alternative for the CW-4 (Indoor Small Arms Range) Site located in the Charles Wood area of Fort Monmouth. The selected remedial alternative was chosen in accordance with the following regulatory requirements: CERCLA as amended by SARA, the NCP, RCRA, N.J.A.C. 7:26D (Cleanup Standards for Contaminated Sites), N.J.A.C. 7:26E (Technical Requirements for Site Remediation) and AR 200-1, as applicable.

An indoor small arms range is located at the CW-4 site. The range is a one story wood structure (Bldg. 2537) which was built in 1945. Spent rounds and shell casings are visible at the surface of a bare patch of soil approximately 5 feet in diameter northeast of the building. The area of contamination is located within 10 feet of a side entrance to the facility. Environmental sampling has confirmed the presence of lead in soil at the CW-4 site. Lead levels are above New Jersey Department of Environmental Protection (NJDEP) Direct Contact Soil Cleanup Criteria. Sampling has also confirmed that the lead is migrating vertically in the soil column. The Youth Activity Center (Bldg. 2566) is located approximately 250 feet from the area of concern. The selected remedial alternative involves removing the spent rounds, casings and contaminated soil from the site whereby eliminating the contaminants of concern.

This decision document was developed by the Directorate of Public Works Environmental Office, Fort Monmouth. All documentation has been submitted and approved by the NJDEP.

2. SUMMARY OF SITE RISK

The CW-4 Site is located in an unsecure area and is accessible to the public. As previously mentioned, the area of contamination is within 250 feet of the Youth Activity Center. Laboratory analysis has quantified lead levels at 1440 mg/kg at a depth of 6 feet. Groundwater is estimated to be at the 10 to 12 feet interval. Elevated levels of the referenced contaminant has been documented to cause adverse effects on living organisms. The effects of lead on small children have also been well documented.

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3. SUMMARY OF REMEDIAL ALTERNATIVES

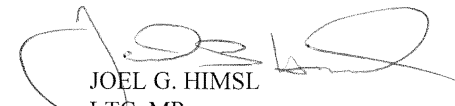
Approximately 17 cubic yards (26 tons) of contaminated soil shall be excavated and disposed of offsite. Excavation has been determined to be the most cost effective approach for eliminating the contaminant of concern at the site. The NJDEP Direct Contact Soil Cleanup Criteria for lead is 400 mg/kg. Following soil removal, the site shall be resampled and the data submitted to NJDEP. A no further action letter from the NJDEP shall be requested for the site.

4. PUBLIC/COMMUNITY INVOLVEMENT

At the present time, the Directorate of Public Works Environmental Office is working with the NJDEP and the U.S. Environmental Protection Agency Region II. Information relating to the site investigation and the planned remedial action has not been released to the general public.

5. DECLARATION

Because this remedy will not result in hazardous substances remaining on-site above levels that allow for unlimited use and unrestricted exposure, the five-year review will not apply to this action.



JOEL G. HIMSL
LTC, MP
Garrison Commander