

DECISION DOCUMENT

1. PURPOSE OF REMEDIAL ACTION

This decision document describes the remedial alternative for the CW-7 (Former PCB Class Transformer CW035) 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.

Prior to its removal, the CW035 transformer was located near the front entrance of the Officers Club (Bldg. 2000). The Officers Club is located on the same grounds as the Charles Wood golf course. As part of a post wide PCB survey, the CW035 transformer was sampled and tested for PCB content during the months of October and November, 1989. The sample result for the CW035 transformer revealed a PCB level of 223,091 parts per million. The PCB Class Transformer was removed from service on 10 September 1990 and shipped for offsite disposal on 24 September 1990. As part of the overall Site Investigation phase which was implemented in November of 1994, four surface soil samples were collected to evaluate the potential impact the transformer had on site soils. PCBs were detected above New Jersey Department of Environmental Protection (NJDEP) Direct Contact Soil Cleanup Criteria in all four samples. The sample with the highest PCB concentration was 204 times greater than the applicable standard. The NJDEP cleanup action level for PCBs in soil is 0.49 mg/kg. In May of 1996, a remedial investigation was implemented to completely delineate PCB levels both horizontally and vertically within the soil column. The remedial investigation was a combination of field screening techniques and sample collection for laboratory analysis. Field screening data and laboratory analysis has identified a 3,000 square foot area with PCB levels above NJDEP Direct Contact Soil Cleanup Criteria. Within the zone of contamination, PCBs have migrated vertically to a depth of six feet in some areas.

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

PCBs are a confirmed carcinogen with carcinogenic and tumorigenic data for studies involving laboratory animals. PCBs are a suspected human carcinogen. A frequently cited health warning pertaining to PCBs is to keep the contaminant away from all food stuffs. The area of contamination is located directly next to the Officers Club Dining Facility. PCBs are also known to persist in the environment for long periods of time.

The chemical makeup of PCBs make them highly resistant to natural degradation processes. It has also been documented that PCBs bioaccumulate within living organisms as the contaminant moves up the food chain.

3. SUMMARY OF REMEDIAL ALTERNATIVES

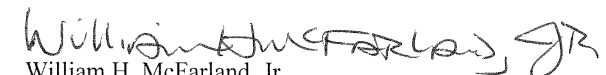
Approximately 410 cubic yards (615 tons) of contaminated soil shall be excavated and disposed of offsite. Excavation has been determined to be the most cost effective approach for eliminating the contaminant of concern at the site. The NJDEP Direct Contact Soil Cleanup Criteria for PCBs is 0.49 mg/kg. 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.

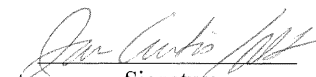
5. DECLARATION

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.


William H. McFarland, Jr.
LTC, MI
Garrison Commander

This Decision Document has been reviewed and approved.

Ian Curtis
Case Manager
NJDEP, Bureau of
Federal Case Management
Name, Title


Signature

2/1/97
Date