



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
REGION 5  
77 WEST JACKSON BOULEVARD  
CHICAGO, IL 60604-3590

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NSWC CRANE  
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October 31, 2001

REPLY TO THE ATTENTION OF:  
DW-8J

Mr. Jim Hunsicker  
Naval Surface Warfare Center  
EPD, Code 095 B-3260  
300 Highway 361  
Crane, IN 47522-5001

Re: No Further Action Required at  
SWMUs 14/00, 24/00, 26/08D  
& SWMU 06/09 Deferral to Closure  
NSWC - Crane, Indiana  
IN5 170 023 498

Dear Mr. Hunsicker:

In December 1999 the Naval Surface Warfare Center (NSWC) - Crane Division submitted three Risk Screening Documents in support of No Further Action requests for the following Solid Waste Management Units (SWMU): 14/00 - Sanitary Landfill/Lithium Battery Burial; 24/00 - Sludge Drying Beds A & B; and 26/08D - Highway 58 Dumpsite B. The U.S. EPA reviewed and approved these documents on September 8, 2000. These documents, along with the Interim Measures performed at the SWMUs show that the sources of risk have been removed.

At SWMU #14/00, Interim Measures were performed to locate, excavate, and dispose of 34 crates of buried lithium batteries and 337 tons of contaminated soils. All batteries were removed and contaminated soils were excavated down to bedrock. Soil to groundwater cross-media contamination is not likely at the remediated SWMU as groundwater was not encountered at the excavation, contaminant sources were removed, soils were excavated to bedrock, and groundwater monitoring after remediation has not indicated problems with contamination.

At SWMU #24/00, Sludge Drying Beds A & B were believed to be possibly contaminated with metals, pesticides, and/or herbicides. Characterization sampling of Sludge Drying Bed A did not reveal any constituents over the target cleanup criteria and it was deleted from further consideration. At Sludge Drying Bed B, the only contaminant found above cleanup levels in soil was 4'-4-DDT. All contaminated soils at the affected SWMU were excavated. Soil to groundwater cross-media contamination is not likely at the remediated SWMU as groundwater was not encountered in the excavation and all contaminated soil has been excavated.

At SWMU #26/08D, approximately 849 tons of soil containing non-friable asbestos material (transite), 120 tons of soil contaminated with barium and lead classified as hazardous waste, and 44 tons of soil classified as non-hazardous "special waste" were removed. The entire area was excavated down to bedrock. Although the contaminated soils have been excavated down to bedrock, there is a possibility that contaminants could have leached into groundwater from the solid waste prior to remediation. Therefore, a future RCRA Facility Investigation (RFI) will examine potential impacts to the groundwater at this SWMU and this letter addresses no further action at SWMU #26/08D with respect to soils only.

The Demolition Range (SWMU #06/09) is a regulated open detonation unit under the RCRA Subpart X permit issued in November 1999. A risk assessment performed at the unit in preparation for the Subpart X permit identified no unacceptable risks in the DR soils. The risk assessment identified groundwater as the sole risk pathway at the DR; consequently, groundwater is being monitored under the Subpart X permit and groundwater use has been restricted. Risk pathways are therefore incomplete. Soils contamination at the DR will be addressed via the RCRA Subpart X permit at unit closure. The Navy is required to perform semi-annual RCRA Subpart F groundwater detection monitoring at the DR under the permit. Remediation at SWMU #06/09 will be addressed under unit closure or if groundwater monitoring detects contaminant migration requiring corrective action under the Subpart X permit.

Based on the information available to us and contained in the administrative record, there are no unacceptable present or potential future human health or ecological risks at SWMUs 14/00 and 24/00. At SWMU #26/08D, there are no unacceptable present or future human health or ecological risks associated with the soils at the site. Investigation of any potential groundwater risks will occur during the RFI. We prepared a Statement of Basis for our proposed decision for no further corrective action at these SWMUs and to defer corrective action to unit closure for SWMU #06/09. The Navy is currently renewing the corrective action permit for NSWC through the Indiana Department of Environmental Management (IDEM) as the State of Indiana is authorized to administer the corrective action program. A public comment period for this decision was held concurrently with IDEM for the NSWC operating permit renewal. No public comments were received.

This letter serves as a notice of our final decision. There is no further action required at SWMUs 14/00, 24/00, and 26/08D (for soils only). Please note, however, that this does not preclude us from requiring further action in the future if we obtain any information indicating that such action is needed to protect human health or the environment. Nothing in this letter shall be interpreted as prohibiting us from taking any actions necessary to protect human health and the environment, including ordering additional corrective action if necessary.

If you have any questions regarding this matter, please contact me at (312) 886-7890.

Sincerely,



Peter Ramanauskas  
Corrective Action Section  
Waste Management Branch

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cc: Core Team Members:

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