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NWS EARLE
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TRANSMITTAL LETTER FOR THE REPLACE PAGES FOR FINAL SOIL SAMPLING REPORT
1992 NWS EARLE NJ
4/20/1993
HALLIBURTON NUS



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HNP/51-4-3-125

April 20, 1993

Project Number 2644

Commanding Officer
Naval Weapons Station Earle
Building C-29
Public Works Department, Code 096
Colts Neck, New Jersey 07722

Reference: CLEAN Contract No. N62472-90-D-1298
Contract Task Order (CTO) 0091

Subject: 1992 Soil Sampling Final Report
Naval Weapons Station (NWS) Earle
Colts Neck, New Jersey

Dear Commanding Officer:

Please replace page 3-9 in the 1992 Soil Sampling Final Report for CTO 0091 with the attached page. Additional copies of this page have been transmitted to Mary Hunt, Northern Division Remedial Project Manager for CTO 0091.

Please contact me at the above number if you have any questions or comments.

Respectfully,

A handwritten signature in cursive script that reads "Jill Hartnell".

Jill Hartnell, CPG, RG
Project Manager

JH/law

Attachments

cc: John Trepanowski, P.E. (Halliburton NUS) (without attachment)
Michael Turco, P.E., DEE (Halliburton NUS) (without attachment)
Patricia Patton (Halliburton NUS) (without attachment)
File (with attachment)

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EARLE FILES
BOX # A

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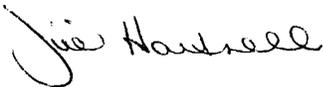
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3.1.3 Munitions

No positive results for munition compounds were reported for any soil sample.

3.2 DEMIL STORAGE PAD

The 10 soil samples (DP-SO-01 through DP-SO-10) collected on December 29, 1992 at the Demil Storage Pad were analyzed for PCBs/pesticides and total metals.

3.2.1 PCBs/Pesticides

Analytical results for samples collected at the Demil Storage Pad on December 29, 1992 are shown in Figure 3-3. All 10 soil samples yielded values that were greater than or equal to the detection limit for PCBs. The unvalidated concentrations of PCBs detected ranged from 16.0 (estimated) to 160.0 ug/kg. Specific PCBs detected were Aroclor 1254 (110.0 ug/kg) and Aroclor 1260 (up to 640.0 ug/kg). A comparison of the results obtained from PCBs/pesticides analysis of the samples with the soil clean-up standards proposed in New Rule 7:26D is presented in Table 3-5. In one sample (DP-SO-06), the value detected for PCBs exceeded the proposed soil clean-up limit for total PCBs in residential surface soils (450 mg/kg). The data that exceeded NJ DEPE proposed residential surface soil clean-up standards were validated according to quality criteria set forth in the NEESA guidelines 20.2-047B (June 1988) and with reference to the Draft Laboratory Data Validation Functional Guidelines for Evaluating Organic Analysis (EPA, March 1990). The data were evaluated with respect to data completeness, holding times until preparation and analysis, calibration data, laboratory blank results, matrix spike/post-digestion spike and surrogate spike recovery results, laboratory control sample results, instrument performance, and analyte quantitation. The recovery for the pesticide/PCB fraction surrogate decachlorobiphenyl (DCB) (57 percent) was marginally below the 60 percent lower quality advisory limit. No data qualification was deemed necessary because the recovery of the other pesticide/PCB fraction surrogate, tetrachloro-m-xylene (TCX), was acceptable. The validated data result was determined to be acceptable for use without qualification. The analytical results for those PCBs/pesticides not listed in Proposed New Rule 7:26D are in Table 3-6.

3.2.2 Total Metals

Analytical results for samples collected at the Demil Storage Pad on December 29, 1992 are shown in Figure 3-4. A comparison of the results obtained from total metals analysis of the samples with the soil clean-up standards proposed in New Rule 7:26D is presented in Table 3-7. In all 10 samples, values were detected for cadmium that exceeded the proposed soil clean-up limit for cadmium in residential surface soils (1 mg/kg). In three of the samples, values were detected for lead (total) that exceeded the proposed soil clean-up standard for total lead (100 mg/kg).

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