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a joint venture for professional services

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MEMORANDUM

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E/A&H Project Team

FROM: Lawson Anderson, E/A&H Task Order Manager *LA*

SUBJECT: Project Update #16; NSA Memphis RFI; Millington, Tennessee; CTOs-094/106

DATE: October 18, 1995

ADDITIONAL ASSEMBLIES A AND B SAMPLING — The additional surface soil sampling at SWMUs 5, 40, and 60 has been completed. Geoprobe sampling at the "hot spot" in the northwest corner of SWMU 60 is scheduled to begin Monday, October 23. Professional Technical Support Services (PROTECH) of Baton Rouge, LA will be the Geoprobe subcontractor.

The sewer video survey was awarded to Insituform Midsouth who will begin the work on Monday, October 30. That should take three to four days. We will then need to review the results quickly and select locations for additional DPT sampling at SWMU 7 because the DPT subcontractor (The In-Situ Group) is scheduled to have their large, tractor-trailer rig onsite Monday, November 6.

Robert Smith (E/A&H) will be contacting NSA Memphis Environmental Division personnel to coordinate with DRMO on any additional analytical data they may need to arrange for disposal of the soil pile at SWMU 1 (Fire Dept. Drill Area). We should be able to handle this in the same manner that soil was disposed of from SWMU 45 (E/A&H arranges for excavation and loading, while NSA Memphis arranges for transportation and disposal).

FOLLOWUP GRAY AREA INVESTIGATION/REMOVALS — Sampling has been completed at the turkey shoot and the riding trails disposal area. The soil removals and confirmation sampling have been completed at N-7 (four drums of soil) and N-122 (two drums of soil).

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ASSEMBLY D FIELD WORK — All sampling has been completed except the Geoprobe sampling at SWMU 36 (Northside STP Incinerator). There were no PCB "hits" detected with the immunoassay test kits used on the SWMU 11 (Oiled Dirt Roads [i.e., riding trails]) samples.

ASSEMBLY E FIELD WORK - With the exception of surface soil samples at SWMU 2 (Southside Landfill), all surface soil, sediment, and surface water samples have been collected. Clearing work at SWMU 2 should take place next week. Assembly E Geoprobe sampling will begin after PROTECH finishes at SWMU 60.

DPT sampling will begin Monday, October 30, when In-Situ arrives onsite with one small, trailer rig. The following Monday, the large, tractor-trailer rig and a box truck rig (like the one used for Assembly A) will be onsite. Due to the late start and the upcoming Thanksgiving holiday, In-Situ plans to work straight through to finish the work before Thanksgiving. Based on this projected schedule, drilling activities should begin the week of November 27. Hydrologic, Inc. will provide the onsite laboratory, as they did during the Assembly A DPT work. They plan to set up the laboratory during the week of October 23. A second lab will be available should the three rigs generate too many samples.

PCB SAMPLING AT S-242 — As described in Robert Smith's October 10 fax, this sampling and immunoassay screening has been completed.

ACETONE IN SAMPLES — NET, our offsite laboratory, has reported that many of the soil samples we have submitted since the Assembly D field work began are outside the calibration range for acetone (i.e., the detected concentrations are much higher than expected). Propanol also appeared in many of the samples as a TIC. The samples in question were collected at SWMUs 50, 51, and 64. Acetone concentrations ranged from 300 ug/kg up to 10,000 ug/kg. Field and method blanks had low concentrations (3 to 17 ug/kg). We have not seen rinsate blank results, yet.

It is possible that the isopropanol we use for decontamination contains acetone. Also, isopropanol can degrade into acetone in the presence of a metal catalyst. We suspect that the acetone in the samples might be a result of insufficient rinsing and/or drying during the decontamination of sampling equipment (i.e., hand augers). We have been collecting a lot of hand auger samples, so the equipment was often deconned and reused in a relatively short period of time.

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The following actions have been taken:

- More attention is being given to the final rinse step of the decontamination procedure.
- More equipment is being used so that more drying time is available.
- All samples with an acetone concentration greater than 500 ug/kg will be resampled for VOC analysis only (NET has agreed to analyze them for \$65, half the usual price of \$130). Results of the second analysis will be compared to the first to assist in evaluating the samples that had acetone values less than 500 ug/kg.

STATUS OF RFI/CSI REPORTS:

Assembly A SWMU 1 In progress
SWMU 3 SDIV/USGS review complete; making revisions
SWMU 5 In progress
SWMU 7 On hold pending further investigation results
SWMU 8 Should go out to SDIV/USGS/NSA by Friday
SWMU 60 BCT reviewing

Assembly B SWMU 40 SDIV/USGS/NSA reviewing
DITCHES Should go out to SDIV/USGS/NSA next week

Assembly C SWMU 15 SDIV/USGS/NSA reviewing
SWMU 21 Should go out to SDIV/USGS/NSA tomorrow
SWMU 26 Should go out to SDIV/USGS/NSA tomorrow
SWMU 27 Should go out to SDIV/USGS/NSA tomorrow or Friday
SWMU 62 Should go out to SDIV/USGS/NSA tomorrow

INTERNET ADDRESSES — E/A&H can now send and receive EMAIL on the Internet. This opens up possibilities for sending project updates, memos, etc., as well as for exchanging other types of information. So, we might want to discuss this at next week's BCT meeting. My current address is "LMA@ENSAFE.COM". Eventually, all EnSafe employee addresses will consist of their first initial and last name (e.g., mine will be changed to "LANDERSON@ENSAFE.COM").