



EnSafe / Allen & Hoshall

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MEMORANDUM

TO: Mark Taylor/David Porter, SOUTHDIV
Tonya Barker/Rob Williamson, NAS Memphis
Jack Carmichael, USGS
David Williams, EPA
Jim Morrison/Jordan English/Clint Willer, TDEC

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

SUBJECT: Project Update #6 and Projected Schedule of Activities; NAS Memphis RFI;
Millington, Tennessee; CTO-094

DATE: January 3, 1995

DPT SURVEY: The Assembly A DPT survey was completed on December 21. All samples at SWMUs 1, 8, and 60 were below detection limits (BDL). At SWMU 3, all samples were BDL except the one shallow methylene chloride hit that was resampled and reported as BDL the second time. Two additional locations were sampled at SWMU 3 the week before Christmas — in the drive at the east end of the building and further west along SWMU 4 than the location of the methylene chloride "hit" (across the street from the drywell). Results for both samples were BDL.

Two additional pushes were also made at SWMU 7 — one near Production Well #1 (6 ppb 1,1-DCA and 2.6 ppb TCE) and one near Production Well #2 (BDL). These results were confirmed by GC/MS at Hydrologic's Frankfort lab.

At SWMU 5, soil samples were collected at 0-2 ft., 8-10 ft., and 25 ft.; water samples were collected at 12-13 ft. and 40+ ft.. No solvents were detected. Petroleum constituents were detected in shallow soil and groundwater in areas of known contamination. Soil in the 8-10 ft. interval at the old fire extinguisher pits was heavily contaminated.

DRILLING ACTIVITIES: Northstar Drilling personnel from their Ohio office will arrive at the base Friday of this week to set up, decon their rigs, obtain vendor passes, etc.. E/A&H and USGS will meet them at the main gate at 0900 hours. Additional Northstar personnel from their Minnesota office will mobilize over the weekend. The kickoff/safety meeting for drilling will be held at 0830 hours on Monday, January 9 at the E/A&H field office trailer. Drilling activities will be conducted on a 10 days on, 4 days off schedule. Northstar will have two rotasonic drill rigs onsite.

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USGS (Jack Carmichael, Bill Parks) and E/A&H (Lawson Anderson, Ginny Gray, Ben Brantley) met on December 28 to review DPT results and develop drilling strategies for each Assembly A SWMU. A separate summary of this meeting with site maps is being prepared for BCT review. Upon BCT concurrence, the MSCHD permit will be modified and locating of utilities at drilling sites will be coordinated with base personnel.

IDW DRUMS: E/A&H is attempting to locate a rental truck with Tommy Lift to move the IDW drums generated to date to the permitted storage facility.

SWMU 45 INTERIM MEASURE: Soil samples collected at depths of 5 and 10 feet were all BDL for GRO-TPH (10 mg/kg DL), DRO-TPH (10 mg/kg DL), and BTEX (0.1 mg/kg DL for each constituent). The only sample with positive results was the sample from the bottom of the excavated area (58 mg/kg DRO, 24 mg/kg GRO, and 0.4 mg/kg xylenes). The 82 mg/kg TPH concentration (GRO+DRO) for this sample is less than the UST soil cleanup standard of 100 mg/kg. The 0.4 mg/kg BTEX concentration is also less than the UST soil cleanup standard of 10 mg/kg.

Appendix IX metals and the F001-F005 solvent scan were mistakenly not requested when the samples were shipped to the laboratory. This error was caught before holding times expired and the tests were requested. Results are expected within two weeks.

GRAY AREA INVESTIGATION: Data is being reviewed for completeness. A summary of preliminary results will be prepared ASAP.

ASSEMBLY B SIPs: The Draft Assembly B SIPs will be distributed today or tomorrow.

ASSEMBLY C SIPs: Preparation of the Draft Assembly C SIPs is now underway. Jay Cornelius of E/A&H will be contacting Rob Williamson to set up a site visit to look at sites, review engineering drawings, etc.

AERIAL MAPPING: Bids will be due Monday, January 9. Vendors have indicated that the base map can be delivered within 4 to 6 weeks of the notice to proceed, so we should be able to have the product in hand by early to mid-February.