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Winston-Salem
Regional Office



January 20, 1994

Mr. Waddell Watters
North Carolina Department of Environment,
Health and Natural Resources
8025 North Point Blvd., Suite 100
Winston Salem, NC 27106

RE: **Proposed Work Scope and Estimated Schedule**
Former Unocal Station #9787-214
Former ~~Redhorse Truck Stop~~
1342 Trollingwood Road, North Carolina
S&ME Project No. 1354-93-776

Dear Mr. Watters:

Per our phone conversation on January 20, 1994, S&ME, Inc. (S&ME) is pleased to present the following proposed work scope and estimated schedule for implementing the Corrective Action Plan (CAP) dated September 10, 1993, per your request. We understand from our discussion that Unocal Corporation may begin cleanup of soil and groundwater before the CAP is approved, per 15A NCAC 2L (d). The schedule provided herein is our best estimate of predicting the future, and is subject to change depending on availability of subcontractors, weather, unforeseen delays, obtaining permits, etc.

Work Scope

1994 Schedule

- | | |
|--|--------------|
| 1. Develop health and safety plan per OSHA 29 CFR 1910.10 for all future on-site remediation work. | Week of 1/3 |
| 2. Install remediation compound on-site 20' x 12' x 6' tall chain link fence with 5' gate at corner post, privacy slats and barb wire. | Week of 1/10 |
| 3. Private Utility locating service performed on-site by ATS. | Week of 1/17 |
| 4. Submit Duke Power electrical permit application. | Week of 2/7 |

5. Installation of two horizontal soil vapor extraction wells, per Corrective Action Plan by UTILX. Tentative -
Week of 2/28
6. Supervision of UTILX horizontal well installation by S&ME. Same as above
7. Installation of seven vertical air sparge wells per CAP by S&ME-Tri Cities, Tn. Week of 2/24
8. Supervision of installation of the seven vertical air sparge wells by S&ME. Same as above
9. Modify deep "Type III" monitor well MW-5 into a vertical air sparge well. Week of 3/21
10. Trenching and piping for the air sparging and soil vapor extraction system, per the CAP. B&A Environmental Services Company to perform the trenching and piping work. Tentative -
Week of 3/21
11. Supervision of B&A Environmental Services Company trenching and piping work by S&ME. Same as above
12. Purchase air sparge controls for each of the eight vertical air sparge wells. Week of 3/7
13. Air sparge and vacuum piping connections to wellhead in each vault by S&ME. Week of 4/4
14. Order/Delivery of one 25-Hp vacuum and VFD from Unipure. Tentative -
Week of 4/4 /
Week of 6/27
15. Order/Delivery of one 25-Hp air compressor with air sparge controls and electronic timer and two solenoids. Tentative -
Week of 4/4 /
Week of 6/27
16. Order/Delivery of five vapor phase carbon drums (1000-lbs., 500 scfm air flow capacity). Tentative -
Week of 4/4 /
Week of 6/27

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17. Obtain Duke Power electrical permit. Tentative -
Week of 5/9
18. Electrical subcontractor (B&A Environmental Services Company) to perform electrical wiring of all equipment (vacuum and air compressor), disconnects, motor starters, transformer, electronic timer, solenoids, obtain Duke Power permit, county inspection. Tentative -
Week of 7/11
19. Two day system start-up/shake-down period - collect radius of influence data, air emission analysis, complete O & M field data forms for equipment and wellhead operating parameters, system performance and amperage meter readings on electrical loads. Tentative -
Week of 8/1
20. Weekly to bi-weekly operation and maintenance (O&M) of the remediation system, as indicated in the CAP. 8/8 - 12/26
21. Project management, completion of state trust fund reimbursement packages for all S&ME invoices. 1/3 - 12/26

If you have any questions or need additional information, please do not hesitate to call.

Very truly yours,

S&ME, Inc.

Stewart M. Hines, P.G.
Senior Hydrogeologist/Project Manager

SMH/smh

cc: A. Wayne Holt, P.G. - Unocal Corporation
Rick Holshouser - S&ME, Charleston, SC
Bob Branch - S&ME, Greensboro, NC
Joe Best - S&ME, Greensboro, NC

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