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KERR-McGEE CORPORATION

POST OFFICE BOX 89 • CUSHING, OKLAHOMA 74023

TECHNOLOGY & ENGINEERING DIVISION

November 12, 1993

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

Mr. Scott Thompson
Oklahoma Department of Environmental Quality
1000 N.E. 10th Street
Oklahoma City, Oklahoma 73117-1212

Dear Mr. Thompson:

Pursuant to Section IX.2 of the Consent Order entered in State of Oklahoma v. Kerr-McGee Corporation, No. C-90-91-H, Kerr-McGee Corporation hereby submits the attached written progress report for the month of October, 1993.

If you have any questions or comments, please contact me at (405) 270-2637 (OKC) or (918) 225-7753 (Cushing).

Sincerely,

Jeff Ostmeyer
Site Coordinator
Kerr-McGee Technology and Engineering Division

cc:

- Bill Fisher - U.S. NRC, Arlington, Texas
- David N. Fauver - U.S. NRC, Washington, D.C.
- Kerr-McGee Citizens' Oversight Committee

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RADIOLOGICAL INVESTIGATION AND REMEDIATION

Radiological field work performed in October was limited to scanning potentially unaffected areas with an unshielded three inch sodium iodide detector. Procedures were prepared in draft form to allow radiological work to be resumed.

Work on the Cushing Site Decommissioning Plan and Unaffected Area Survey Plan was interrupted in October due to work on the soil counting system. Most of the problems with the soil counting system were resolved. Mr. James D. Berger at ORISE has agreed to analyze the calibration and check standards for the Cushing soil counting system. This will help ensure high quality results are obtained from the Cushing system.

NON-RADIOLOGICAL ASSESSMENT AND REMEDIATION

Surface water that accumulated on waste pits and seepage from the french drain were transferred to holding ponds and neutralized. No water was discharged during October.

Oil recovery from the interceptor trench sumps along Skull Creek continued in October.

Fluor Daniel Williams Brothers was awarded the contract to prepare the Remedial Design. A kickoff meeting was held in Cushing on 10-20-93 to start the remedial design work.

A citizens oversight committee meeting was held at the Kerr-McGee Cushing site office on 10-7-93. Input was received from the State and citizens regarding the acceptability of the pit remediation options. This information was used to complete and issue the final Feasibility Study report.

Implementation of the acid sludge remediation may be delayed if areas containing Pits 1, 2, 3, and 5, and the disposal cell(s) are not released from the NRC license as unaffected areas. Priority will be given to the preparation of an Unaffected Area Survey Plan and Report for submission to the NRC. The NRC has indicated that their turn-a-round time will be 6-9 months, at a minimum.

ACTIVITIES PLANNED FOR NOVEMBER 1993

Radiological

1. Continue preparation of radiation safety procedures. At least three procedures will be completed in November including:
 - Procedures Used
 - Performance of Radiological Surveys of Surface Contamination, External Radiation, and Airborne Radioactive Materials
 - Performance of Radiological Surveys of Soils

Completion of these procedures will allow us to resume scoping and characterization surveys, and mowing in radioactive materials areas.

2. Continue work to complete modification of soil counter.
3. Continue work on Site Decommissioning Plan and Unaffected Area Survey Plan.

Non-radiological

1. Continue to recover oil from the interceptor trench and off the surface of Skull Creek before it leaves the site.
2. Continue neutralizing and discharging water from waste pits.
3. Maintain limestone dams in drainage around Pits 2 and 3.
4. Continue work on Remedial Design.
5. Perform spray pond remediation demonstration.
6. Begin spray pond remediation if approved by ODEQ.