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KERR-McGEE CORPORATION

POST OFFICE BOX 89 • CUSHING, OKLAHOMA 74023

TECHNOLOGY & ENGINEERING DIVISION

June 10, 1993

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

Mr. Fenton R. Rood
Solid Waste Management Service
Oklahoma State Department of Health
1000 N.E. 10th Street
Oklahoma City, Oklahoma 73152

Dear Mr. Rood:

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 May, 1993.

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

Sincerely,

A handwritten signature in dark ink, appearing to read "Jeff Ostmeier".

Jeff Ostmeier
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 prior to May 17th included surveying and sampling of the area North of berm C, surveying of concrete from the former west dock of the Harris building and final survey in the storage building.

Work after May 17th was limited to areas where radiological contamination was not anticipated, and included grid layout and exposure measurements in proposed Unaffected Areas.

David Fauver, NRC, visited the site on May 18, 1993. Gary Ammon, OSDH, joined the meeting later in the day. The meeting was changed from an inspection to a visit due to the resignation of Will Rogers, Site RSO, on May 17, 1993. Designation of initial unaffected areas, license amendments to be submitted in June, and work to be performed while operating with an interim RSO (Jeff Lux) were discussed. Radiological work to be performed under an interim RSO will exclude excavation and sorting of potentially uncontaminated materials.

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. Due to intense rainfall, holding pond 1 was discharged four times and pond 5 was discharged eight times during May. These discharges included a system bypass at each holding pond on May 8, 1993, to prevent breach of containment dikes. The OWRB was notified of the bypass and of measures taken to prevent recurrence of this situation. Limestone dams were rebuilt along drainages around Pits 2 and 3 to neutralize water seeping from the pits.

The automatic oil collection system was installed by Stover and Associates. Only 7 gallons of oil were recovered from the interceptor trench sumps in May due to high groundwater levels.

Crews continued clean-up of the former ERW property including building clean-up and security, pipe and concrete removal, and hydrocarbon recovery.

Heavy rains in early May caused erosion along a portion of the new Skull Creek channel. This erosion exposed material (foundry waste, household trash, etc.) that was disposed of in former spray ponds after the refinery was decommissioned. Kerr-McGee notified the OSDH of this situation on May 10th. David Cohenour and Rita Kottke, OSDH, inspected the site on May 13th, and Mr. Cohenour returned on May 18th to collect a sample for analyses. The sample was taken in the creek channel from the zone below the "trash" and consisted of hydrocarbon contaminated "soil". Remedial options are being evaluated.

Options for stabilizing and reestablishing flora/fauna populations in the new Skull Creek channel are being evaluated.

A public meeting was held in Cushing May 18, by the OSDH to discuss the Phase I Remedial Investigation and the Draft Phase I Feasibility Study. Representatives from Kerr-McGee and OSDH spoke before about 30 citizens in an open forum.

ACTIVITIES PLANNED FOR JUNE 1993

Radiological

1. Continue preparation of health physics program.
2. Begin scanning proposed Unaffected Areas with unshielded NaI detector.
3. Begin sampling of proposed Unaffected Areas.
4. Submit license amendment request to the NRC.
5. Continue final survey of chemical storage building during bad weather.

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. Continue investigation to locate a potential OIW landfill site.
4. Submit application to Army Corp of Engineers to implement plan for Skull Creek erosion control flora/fauna enhancement.
5. Maintain limestone dams and monitor pH in drainage around Pits 2 and 3.
6. Build a sediment dewatering area at Pond 1.