

70-3073



December 6, 1991

Certified - Return Receipt

Mr. R. Fenton Rood, Chief  
Solid Waste Management Service - 0206  
Oklahoma Department of Health  
1000 N. E. 10th Street  
Oklahoma City, OK 73117-1299

Re: Cushing Site

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 November, 1991.

Please call me at (918) 225-7753 if you have any questions about this report.

Sincerely,

*James E. Cleveland*  
James E. Cleveland  
Project Coordinator

JEC:lld

Attachment

- xc: Bill Fisher - U.S. NRC, Arlington, Texas
- William M. Kemp - Radiation Protection Service
- David N. Fauver - U.S. NRC, Washington, D.C.
- Kerr-McGee Citizens' Oversight Committee

09:102

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**CUSHING SITE REMEDIAL ACTION**

Pursuant to Section IX.2 of Consent Order No. C-90-91H of the District Court of Payne County, State of Oklahoma, Kerr-McGee Corporation hereby submits the Cushing Remedial Action progress report for the month of November 1991.

**RADIOLOGICAL INVESTIGATION AND REMEDIATION**

Site Characterization

Radioactive contamination surveys and soil removal were interrupted due to the excessive rain falls during the month. Further investigations of the small area east of the old railroad bridge and the creek sediments will be delayed until flow in the creek channel is lower.

The U. S. Nuclear Regulatory Commission (NRC) is reviewing the License Application submitted on October 17, 1991. NRC will notify Kerr-McGee of any deficiencies and allow time for additional materials to be submitted before the final license is issued.

Processing Site - Remediation and Release

Work continues to complete the removal of radioactive contamination from the floors, walls, and ceiling of the uranium process area. Support beams in the ceiling are being scrubbed with solvent to remove uranium contamination. Steel shot blasting continues on the floor to remove contamination to background levels.

Drumming of the stockpiled materials exceeding five percent enriched U-235 was started on November 27, 1991, following NRC's acknowledgement that the materials were suitable for shallow land disposal at a licensed disposal site. The next shipment of contaminated materials will be made to Barnwell, South Carolina in the second week of December 1991. This will enable the sorting of materials excavated from Skull Creek to continue.

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**REFINERY REMEDIATION**

Refinery Site Cleanup

Accumulated rainfall on pits 1, 2 and continues to be collected, neutralized and discharged to Skull Creek. Samples of the upstream, downstream and discharge waters are taken and analyzed for PH, TSS, BOD, and COD as requested by the State of Oklahoma Water Resources Board.

The diversion of Skull Creek around pit 5 is approximately ninety five percent complete. Wet weather during the month of November has kept the earth moving equipment from operating because of extreme mud conditions.

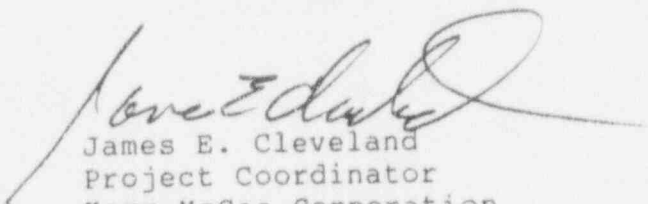
OTHER ACTIVITIES

The contractor crew has completed an eight hour Radiation Protection Training Course on site. All personnel on site completed the required forty hour HAZWOPER training course as required by Occupational Safety and Health Act Administrative rule. This course was presented at the Cimarron Facility at Crescent, Oklahoma by staff of the Oklahoma State University.

The Citizen's Oversight Committee met on site at 5:00 p.m. on November 26, 1991. The next meeting is set for February, 1992.

FUTURE ACTIVITIES

1. Application for storm water runoff NPDES permit.
2. Install a "french drain" in the old Skull Creek channel.
3. Shipment of stockpiled radioactive contaminated materials.
4. Finish removing contamination from Skull Creek when water levels permit.

  
James E. Cleveland  
Project Coordinator  
Kerr-McGee Corporation