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**KERR-MCGEE CORPORATION**

POST OFFICE BOX 89 • CUSHING, OKLAHOMA 74023

TECHNOLOGY & ENGINEERING DIVISION

January 7, 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 December, 1992.

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  
William M. Kemp - Radiation Protection Service  
David H. Fauver - U.S. NRC, Washington, D.C.  
Kerr-McGee Citizens' Oversight Committee

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#### **RADIOLOGICAL INVESTIGATION AND REMEDIATION**

Kerr-McGee's top priority at Cushing for 1992 was the identification, recovery and shipment of option 4 materials. Other radiological work was performed when possible.

Recovery and shipment of identified option 4 material remaining in the dump area continued in December. An area containing option 4 material was identified northwest of pit 4. As much of this material as possible was recovered and shipped in December.

Four shipments (201 drums total) of option 4 material were made to Barnwell, South Carolina in December. Oil and grease content of this material was 0.11 percent or less by volume. Six contaminated carbon crucibles were included in these shipments.

The soil counting system continued to work well. Approximately 84 samples were counted during December.

Removal of the small area of option 4 material under the Harris Building identified as containing more than one percent asbestos was deferred until proper precautions can be taken. Health physics personnel monitored for asbestos in the Trash Dump and Harris Building when employees were working in those areas.

#### **NON-RADIOLOGICAL ASSESSMENT AND REMEDIATION**

Surface water that accumulated on the waste pits and seepage from the french drain were transferred to holding ponds and neutralized. Holding ponds 1 and 5 were discharged three times each during December.

Oil entering Skull Creek between pit 5 and the railroad bridge is being contained with absorbent booms. Absorbent pads are being used to pick up the oil. Since completion of the oil interceptor trench, very little oil has been collected from the surface of Skull Creek. Daily collection of the oil from the interceptor trench sumps was initiated during December.

Work to expand the capacity of holding pond 5 continued in December. When completed the total capacity of holding pond 5 will be increased to about 1,100,000 gallons.

Finished and submitted response to OWRB Draft Waste Disposal Permit.

ACTIVITIES PLANNED FOR JANUARY 1993

Radiological

1. Continue preparation of health physics program.
2. Prepare documentation to complete construction of radiological storage areas.
3. Improve documentation of completed radiological work.
4. Update information on tarry materials and materials on the south side of the site.
5. Plan work to prepare storage areas and move contaminated materials to these areas.

Non-radiological

1. Continue to recover oil from Skull Creek before it leaves the site, and from the oil interceptor trench.
2. Continue neutralizing and discharging water from waste pits.
3. Continue with Remedial Investigation and Feasibility Study.
4. Continue expansion of holding pond 5.
5. Complete site health and safety plan.