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**KERR-McGEE CORPORATION**

KERR-McGEE CENTER • OKLAHOMA CITY, OKLAHOMA 73125

November 6, 1992

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 October, 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 N. 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 the remainder of 1992 is the identification, recovery and shipment of option 4 materials. Other radiological work will be performed when possible.

Soil sampling under and around the Harris Building continued during October. Recovery of identified option 4 material under and around the Harris Building was initiated.

Sampling of the grid over the berm area was 80% completed in October. This activity was delayed until asbestos training could be provided to the crew.

Three shipments (175 drums total) of option four material from the dump area ( $\approx 18$  pCi/gr thorium and  $\approx 165$  pCi/gr uranium) were made to Barnwell, South Carolina. An additional 128 drums were packaged and are ready for shipment. Oil and grease content of this material was about 1.2 percent by weight.

The soil counting system that was up-graded in September worked well until October 27th when the old computer counter card crashed. This card was sent back to the manufacturer, repaired, and returned to the site October 30th.

A small area of option 4 material under the Harris Building was identified as containing more than one percent asbestos. Removal of this material was deferred until proper precautions can be taken.

#### 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. No water was discharged from holding ponds during October.

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.

Most of the Cimarron personnel was trained in asbestos abatement in October. Following this training, small quantities of asbestos (such as pieces of Transite) can be addressed by the Cimarron crew. Gross asbestos abatement, however, will generally be performed by an outside contractor.

ACTIVITIES PLANNED FOR NOVEMBER 1992

Radiological

1. Assign enrichment and total uranium concentration values to carbon crucibles removed from the dump area.
2. Ship option 4 material removed from the dump area.
3. Recover option 4 material below and around the uranium production (Harris) building.
4. Complete sampling of dump area.
5. Continue preparation of health physics program.

Non-radiological

6. Continue to recover oil from Skull Creek before it leaves the site.
7. Continue neutralizing and discharging water from waste pits.
8. Complete feasibility study (FS).