

70-3073



KERR-McGEE CORPORATION

KERR-McGEE CENTER • OKLAHOMA CITY, OKLAHOMA 73105

January 9, 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 December, 1991.

If you have any questions or comments, please contact me at (405) 270-2694 (OKC) or (918) 225-7753 (Cushing).

Sincerely,

09-091

Jeff Lux
Project Manager
Kerr-McGee Technology 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

JL/jl

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MONTHLY PROGRESS REPORT
STATE OF OKLAHOMA V. KERR-McGEE CORPORATION
CONSENT ORDER NO. C-90-91-H
PAGE ONE OF TWO

RADIOLOGICAL INVESTIGATION AND REMEDIATION

During December, 225 drums of contaminated soil and septic tank sludge were shipped for disposal to Barnwell, South Carolina. Approximately thirty drums remain in storage on site until additional material is prepared for shipment.

Decontamination of the floor of the uranium process building is essentially complete. Decontamination of the ceiling and beams should be completed in January. Additional surveying of cracks in the floor will be required.

Radioactive contamination surveys and soil excavation was prevented throughout the month of December by nearly continuous precipitation and slow evaporation and drying. Excavation of the small area of contamination east of the railroad bridge will commence when creek flow is significantly lower.

Sorting of material excavated from Skull Creek will continue, barring significant precipitation during January.

The U.S. Nuclear Regulatory Commission (NRC) is still reviewing the license application submitted on October 17, 1991. NRC will notify Kerr-McGee of deficiencies in the license application and allow time for additional material to be submitted before issuing a license.

A soil boring program designed to investigate the potential of the site for location of a disposal cell for option 1 soils is being conducted. Approximately fifteen borings were drilled in December, and more will be performed in January.

NON-RADIOLOGICAL ASSESSMENT AND REMEDIATION

The diversion of Skull Creek is now complete. The pH of the creek has risen to above 6 on a regular basis since water began flowing in the new creek channel.

Surface water that accumulated on the waste pits was transferred to holding ponds, neutralized, and discharged several times in December. The Oklahoma Water Resources Board (OWRB) was notified each time. Appropriate laboratory analyses were performed on upstream, holding pond, and downstream water samples. Results are submitted to the OWRB when received.

Evaluation of applicable technologies for waste pit remediation continues. During December, the county commissioner was contacted concerning potential use of neutralized sludge as a road-

improvement material. A test demonstration on part of the refinery property is being considered. Cement kilns are being contacted concerning using neutralized sludge as supplemental fuel.

FUTURE ACTIVITIES

1. Install a french drain in the old Skull Creek channel.
2. Complete excavation of contaminated soil east of railroad bridge when water levels permit.
3. Perform stream and sediment sampling for remedial investigation report, due the OSDH in May, 1992.
4. Apply for NPDES permit for stormwater discharge.

Jeff Lux
Project Manager
Kerr-McGee Corporation