

70-3073



KERR-McGEE CORPORATION

POST OFFICE BOX 89 • CUSHING, OKLAHOMA 74023

TECHNOLOGY & ENGINEERING DIVISION

February 10, 1994

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

Mr. Scott Thompson
Oklahoma Department of Environmental Quality
1000 N.E. 10th Street
Oklahoma City, Oklahoma 73117-1212

Dear Mr. Thompson:

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 January, 1994.

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
David N. Fauver - U.S. NRC, Washington, D.C.
Kerr-McGee Citizens' Oversight Committee

JO/jo

09-118

9403140023 940210
PDR ADOCK 07003073
C PDR

NL10 / 1

RADIOLOGICAL INVESTIGATION AND REMEDIATION

The entire site is being reevaluated regarding posting and access control in light of changes in 10CFR20 (Standards for Protection Against Radiation). Where appropriate, fences are being installed and areas are being posted in accordance with 10CFR20.

Work on the Cushing Site Decommissioning Plan and Unaffected Area Survey Plan continued. Chapters 1, 2, 4, 5, and 7 of the SDP have been reviewed and revised. Chapters 3 and 6 are being drafted. The NRC granted Kerr-McGee a 90 day extension (to May 1, 1994) for the submission of the SDP.

Kerr-McGee retained the services of two consultants through Quadrex. Quadrex personnel worked on Radiation Safety Procedures and the site QA plan. Eight Radiation Safety Procedures were prepared or revised in draft format.

Operating procedures for the soil counter were drafted. A MINAXI automated counting system was received and set-up.

In an effort to develop representative site background values for exposure rates and concentrations of radionuclides in native soils, exposure rate data and soil samples were collected from 56 off-site locations.

Four bore holes were drilled and logged in the southeastern portion of the site (Unaffected Area 3) to evaluate the area for a potential disposal cell for low-level radioactive material.

NON-RADIOLOGICAL ASSESSMENT AND REMEDIATION

Surface water that accumulated on waste pits and seepage from the french drain were transferred to treating ponds and neutralized. Treating Pond 5 was discharged once. No water was discharged from Treating Pond 1.

Oil recovery from the interceptor trench sumps along Skull Creek continued. Some oil seepage is occurring along the west bank of Skull Creek, and is being contained and collected with absorbent booms and pads.

Fluor Daniel Williams Brothers and Kerr-McGee are working on the remedial design, particularly the disposal cell design.

Several individuals still own portions of the former Kerr-McGee Cushing refinery site. Informal offers were made to acquire two of these properties during January.

ACTIVITIES PLANNED FOR FEBRUARY 1994

Radiological

1. Continue preparation of radiation safety procedures.
2. Work on soil counter confirmation with Mr. Jim Berger, ORISE.
3. Continue work on Site Decommissioning Plan and Unaffected Area Survey Plan.
4. Complete reevaluation of site posting and access controls.

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. Maintain limestone dams in drainage around Pits 2 and 3.
4. Continue work on Remedial Design, in particular:
- finalize disposal cell design,
5. Complete asbestos training requirements for 1994.