

70-3073



KERR-McGEE CORPORATION

KERR-McGEE CENTER • OKLAHOMA CITY, OKLAHOMA 73125

October 10, 1991

Certified - Return Receipt

Mr. Damon Wingfield
Waste Management Service
Oklahoma Department of Health
P. O. Box 53551
Oklahoma City, OK 73125

Re: Cushing Site

Dear Mr. Wingfield:

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 September, 1991.

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

Sincerely,

James E. Cleveland
Project Coordinator

JEC:lll

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

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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 September 1991.

RADIOLOGICAL INVESTIGATION AND REMEDIATION

Site Characterization

Record rainfall during the month of September has delayed investigation of radiation levels in Skull Creek east of the old railroad bridge. Sorting and sampling of the stockpiled materials were also delayed due to the heavy rainfall. When the weather and soil conditions permit, earth moving equipment will be used to resume work for investigation and decontamination.

Work continues for the preparation of the license application to the Nuclear Regulatory Commission.

Processing Site - remediation and release

Work continues on the radiological survey of the two meter grid used for the final release of the second floor of the uranium process building. Vacuum shot blasting procedures continue on isolated areas of the first floor of the uranium processing area. The fixed contamination is being removed and placed in plastic bags for packaging in 55 gallon drums with contaminated soils. The materials stockpiled inside the barrel house have been blended and sampled to determine the U-235 enrichment value. If the enrichment values continue to exceed five percent U-235, a variance will be submitted to NRC for shipment under the Cimarron License.

REFINERY REMEDIATION

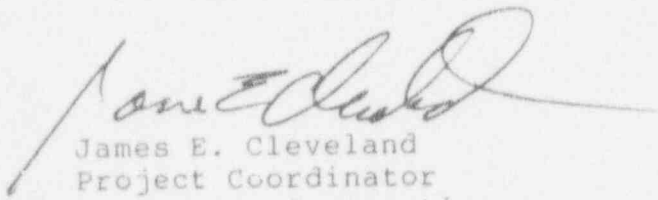
Refinery Site Cleanup

The pipe needed to replace existing crude pipelines was received, however, the wet weather delayed the earth work needed to install the lines. Work will be started on the creek by-pass with the completion of the new pipe installation.

Because of high water flows in Skull Creek during the month of September, pH was maintained above 6.0. Water has accumulated on Pits 1, 2 and 5 requiring neutralization and discharge.

FUTURE ACTIVITIES

1. NRC License Application will be completed.
2. Application for stormwater runoff NPDES permit will be completed.
3. Rerouting of Skull Creek will be completed.
4. Barrelling and shipment of contaminated materials will start pending results of sampling for enrichment values.
5. Removal of radioactive materials and grease pits along Skull Creek continues.



James E. Cleveland
Project Coordinator
Kerr-McGee Corporation