

INSPECTION REPORT NO. 79-01

Attached

Kerr-McGee Corporation, Technical Center
3301 Northwest 150th Street
Oklahoma City, Oklahoma 73125

Appendix A

Appendix B

Appendix C

Memo

Licensee contact: W. J. Robertson Telephone no. (405) 341-8551 Ext. 266

License no. SUB-986 Last amendment and date: 03 dated 6/20/74

Category: E, and Priority: IV, as of last amendment.

Inspection date(s): February 26, 1979 Type of inspection: routine, unannounced

SUMMARY OF FINDINGS AND ACTION

No noncompliance, clear 591 issued

Noncompliance, 591 issued

Noncompliance, Appendix A

Regional action Hq action

Action on previous noncompliance, Appendix B

Supplemental info, Appendix C

RECOMMENDATIONS

See basis in Appendix C or attached memo.

Change Category to: _____

Change Priority to: _____

Next inspection date: February 1982

PERSONS CONTACTED

W. J. Robertson, Project Chemist

W. L. Utnage, Manager, Technical Center

Inspector: C L Cain

3/5/79

Approved: GD Brown

4/9/74

C/14

Plan approved: _____ Date: _____

Licensee: Kerr - McGee CorporationLicense no: SUB-986

Inspection Items	Scheduled for inspection	Post-inspection status	Module no.	766 Time Info
Management meeting - Entrance and Exit Interviews [REQUIRED]	✓	✓	30703B	0
Initial Management Meeting				
Program requirements, MC 2850 [REQUIRED]	✓	✓	77710B	2
Licensee Event Followup			92700B	
Followup on Inspector-identified problems		✓	92701B	0
Followup on Noncompliance and Deviations	✓	✓	92702B	0
IE Bulletin/Immediate Action Letter Followup			92703B	
Followup on Headquarters Requests			92704B	
Followup on Regional Requests			92705B	
Independent Inspection Effort [REQUIRED]	✓	✓	92706B	1
Inspector Dispatched to Site			93700B	
Followup on Significant Event Occurring During Inspection			93701B	

AREAS INSPECTED AND FINDINGS

Licensee: Kerr-McGee Corporation License no: SUB-986 Amendment no: 03

INSPECTION ITEMS	CRITERIA	FINDING
<p>1. <u>Organization</u> Management organization. Radiation protection organization.</p>	<p>Lic Cond <u>10, 11</u></p>	<p><u>Acceptable</u></p>
<p>NOTES & REMARKS: W. J. Robertson is RSO. W. L. Utzage is Manager of the Technical Center.</p>		
<p>2. <u>Licensee internal audits</u> Scope and frequency. Management controls.</p>	<p>Lic Cond <u>-</u></p>	<p><u>Acceptable</u></p>
<p>NOTES & REMARKS: None reqd. by license but G. J. Sinke performs periodic audits of all Technical Center radiation safety aspects.</p>		
<p>3. <u>Training and instructions to employees</u> Training program, scope and frequency, retraining. Required tests administered; scores satisfactory. Instructions to workers.</p>	<p>Lic C Lic Cond <u>11</u> 19.12</p>	<p><u>Acceptable</u></p>
<p>NOTES & REMARKS: Radiation Safety booklet distributed to all employees. Employees sign form stating they have read & understand booklet.</p>		
<p>4. <u>Radiation protection procedures</u> Operating & emergency procedures implemented. Security.</p>	<p>Lic Cond _____ 20.207 As required.</p>	<p><u>Acceptable</u></p>
<p>NOTES & REMARKS:</p>		

AREAS INSPECTED AND FINDINGS

Licensee: Kerr - McGee Corporation License no: SUB-986 Amendment no: 03

INSPECTION ITEM	CRITERIA	FINDING
5. <u>Materials, facilities and instruments</u>		
Authorized uses and quantities.	Lic Cond <u>6-8</u>	<u>Noncompliances</u> < 400 lbs. U ; ~20 lbs. Th.
Restricted areas, posting requirements.	20.203	
Survey instruments & dosimeters; operable, properly calibrated. ✓	Lic Cond <u>11</u>	
NOTES & REMARKS: An area containing a container of P.C. was not posted with a CRM sign. [10 CFR 20.203(e)(2)] A drum in another location and containing U ore was not labeled per 20.203(f)		
6. <u>Receipt and transfer of materials</u>		
Procedures implemented, adequate.	20.205, 71.51 ✓	<u>Acceptable</u>
Transfer of byproduct material.	30.41	
Labeling and packaging. ✓	71.5, 49CFR 170-189	
Records of receipt, transfer, storage, survey, and monitoring ✓	30.51	Records adequate.
NOTES & REMARKS:		
7. <u>Personnel protection - external</u>		
Personnel monitoring control; minimize exposures, control of accumulated dose. ✓	20.101, 20.102, 20.202	<u>Acceptable</u>
Surveys conducted, adequate.	20.201	
Records of monitoring, surveys, disposals. ✓	20.401, Lic Cond _____	
Levels in unrestricted areas. ✓	20.1, 20.105	
NOTES & REMARKS: Landauer film used on monthly exchange. No detectable readings. Dose rate surveys of lab areas < 0.1 mR/hr.		
8. <u>Personnel protection - internal</u>		
Airborne concentrations in restricted areas.	20.103 NA	<u>Acceptable</u>
Exposure of minors.	20.104	None
Posting of airborne radioactivity areas.	20.203	NA
Survey, monitoring requirements; records.	20.201, 20.401	
Leak tests of sealed sources. NA	Lic Cond _____	
NOTES & REMARKS: Periodic air samples indicate concentrations ~100 - 1000 times under MPC.		

AREAS INSPECTED AND FINDINGS

Licensee: Kerr - Mc Gee Corp. License no: SUB-986 Amendment no: 03

INSPECTION ITEM	CRITERIA	FINDING
<u>9. Effluent control, waste disposal</u>		<u>Acceptable</u>
Release of effluents.	20.106 ✓	
Waste disposal.	20.301, 20.303, 20.304, 20.305 ✓	
Procedures, records. ✓	20.401, Lic Cond _____	
<p>Licensee NOTES & REMARKS: ^{Licensee} Analyses of sewage indicates proper dilution.</p>		
<u>10. Shipping, shipping incidents</u>		<u>Acceptable</u>
Procedures for pickup, receipt, monitoring of packages.	20.205(b) & (c) ✓	
Transportation of licensed material.	71.5	
Incidents, reports, corrective actions.	49CFR 170-189	
<p>NOTES & REMARKS:</p>		
<u>11. Notifications and reports</u>		<u>Acceptable</u>
To individuals.	19.13 ✓	
Overexposures, excessive levels & concentrations, incidents.	20.403, 20.405 None	
Personnel exposures and monitoring, termination reports.	20.407, 20.408 ✓	
Theft or loss of licensed material.	20.402 None	
<p>NOTES & REMARKS:</p>		
<u>12. Posting of notices</u>		<u>Acceptable</u>
Part 20, license & documents, procedures, notice of violations.	19.11(a) ✓	
NRC-3.	19.11(c) ✓	
<p>NOTES & REMARKS:</p>		

AREAS INSPECTED AND FINDINGS

Licensee: Kerr - McGee Corp. License no: SUB-986 Amendment no: 03

INSPECTION ITEM	CRITERIA	FINDING
13. <u>Environmental monitoring program</u>	Lic Cond _____	<u>NA</u>

Implementation of program, scope and frequency as required.
Records maintained, reviewed by management.

NOTES & REMARKS:

14. <u>Emergency preparedness</u>	Lic Cond _____	<u>NA</u>
-----------------------------------	----------------	-----------

Procedures available for incidents and accidents.
Training for personnel; coordination with supporting groups and agencies.

NOTES & REMARKS:

15. <u>Other license conditions</u>	Lic _____	<u>Acceptable</u>
-------------------------------------	-----------	-------------------

All other license conditions satisfied.

NOTES & REMARKS:

16. <u>Confirmatory measurements</u>		<u>Acceptable</u>
--------------------------------------	--	-------------------

Licensee's surveys verified on sampling basis. 20.105, 20.201

NOTES & REMARKS:

All unrestricted areas 0.6 mR/h.

17. <u>Independent inspection effort</u>		<u>Acceptable</u>
--	--	-------------------

Included in above items.

NOTES & REMARKS:

APPENDIX A - DOCUMENTATION OF NONCOMPLIANCE

Licensee: Kerr-McGee Corp.

License no: SUB-986

Reference	Basis for noncompliance
Report item <u>5</u> 10 CFR <u>20.203(e)(2)</u> Lic Cond _____ Type n/c <u>Def.</u>	An area in which natural uranium was stored in an amount exceeding ten (10) millicuries was not posted with signs bearing the radiation caution symbol and the words: CAUTION (or DANGER) RADIOACTIVE MATERIALS.
Report item <u>5</u> 10 CFR <u>20.203(f)</u> Lic Cond _____ Type n/c <u>Def.</u>	A container of natural uranium in an amount exceeding one (1) millicurie was not posted with a label identifying the radioactive content and bearing the radiation caution symbol and the words: CAUTION (or DANGER) RADIOACTIVE MATERIAL.
Report item _____ 10 CFR _____ Lic Cond _____ Type n/c _____	
Report item _____ 10 CFR _____ Lic Cond _____ Type n/c _____	
Report item _____ 10 CFR _____ Lic Cond _____ Type n/c _____	

APPENDIX B - LICENSEE ACTION ON PREVIOUS INSPECTION FINDINGS

Licensee: Kerr - McGee Corp.

License no: SUB-986

Identification and summary of action taken	Status
--	--------

Report no: 7601 Type n/c: Infrac. Describe: LC11 - test pits not supplied with locked steel covers

Action taken: The inspector observed that the licensee had installed steel covers and that they were locked.

OPEN
 CLOSED

Report no: 7601 Type n/c: Def. Describe: 10 CFR 20.203(e)(2) - two test pits were not posted with CRM signs

Action taken: The inspector observed that all pits were properly posted.

OPEN
 CLOSED

Report no: _____ Type n/c: _____ Describe: _____

Action taken: _____

OPEN
 CLOSED

Report no: _____ Type n/c: _____ Describe: _____

Action taken: _____

OPEN
 CLOSED

Report no: _____ Type n/c: _____ Describe: _____

Action taken: _____

OPEN
 CLOSED