



UNITED STATES
NUCLEAR REGULATORY COMMISSION
REGION III
799 ROOSEVELT ROAD
GLEN ELLYN, ILLINOIS 60137

INSPECTION REPORT NO. 7901

Kerr-McGee Chemical Corp.
(Licensee name/address)

253 Ann Street

West Chicago, IL 60185

Telephone No: 312/231-0762 (Ed. Juswiak, Site Rep.)

License No. STA-583 Last amendment & date: Revision 8/22/74

Docket No. 04002061
Category: I & Priority: III, as of last amendment.

Inspection date(s): 2/23/79 Type of inspection: Unannounced Special

Attached

- () Appendix A
(x) Appendix B
(x) Appendix C
() Memo

SUMMARY OF FINDINGS AND ACTION

- (x) No noncompliance, clear 591 () Noncompliance, 591 issued
() Noncompliance, Appendix A () Regional action () Hq action
(x) Action on previous n/c, App B (x) Supplemental info, App C

RECOMMENDATIONS

See basis in Appendix C or attached memo.

- () Change Category to: _____ () Change Priority to: _____
() Next inspection date: 2/81

PERSONS CONTACTED
(NAME AND TITLE)

* Mr. Ed Juswiak, Site Representative

* Indicates those attending management meetings

Inspector: C. G. Chang
(signature)

Approved: C. J. Papernello
(signature)

3/7/79
(date signed)
3/9/79
(date signed)

INSPECTION PLAN AND REPORT NUMBER 7901

PLANNING SHEET

Date: 2/23/79Licensee: STA-583 Kerr McGee
West ChicagoLicense no: STA-583

Inspection Items	Scheduled for inspection	Post-inspection status	Module no.	766 Time Info
Management meeting - Entrance and Exit Interviews (REQUIRED)	✓	✓	30703B	
Initial Management Meeting			30800B	
Program requirements, MC 28 (REQUIRED)	✓	✓	77710	
Licensee Event Followup			92700B	
Followup on Inspector-identified problems			92701B	
Followup on Noncompliance and Deviations			92702B	
IE Bulletin/Immediate Action Letter Followup			92703B	
Followup on Headquarters Requests			92704B	
Followup on Regional Requests			92705B	
Independent Inspection Effort (REQUIRED)	✓	✓	92706B	
Inspector Dispatched to Site	✓	✓	93700B	
Followup on Significant Event Occurring During Inspection			93701B	

INDUSTRIAL - ACADEMIC INSPECTION REPORT

Licensee: Kerr-McGee Chem. Corp. Lic. No. STA-583 Amendment No. 8/22/74
West Chicago.
 Date of Inspection: 2/23/79 I III
04002061

1. INSPECTION HISTORY

a. Items of noncompliance or safety items noted during last inspection

9/17/76
 conducted on July 8, 9, 16 & 19, 1976 (Yes) No

b. Requirement Letter 10/8/76 Corrected Not Corrected

10 CFR 20.101 Over exposure to whole body ✓
 20.405(a) No 30 day report given ✓
 20.201(b) Inadequate evaluation of air contamination ✓
 20.203(d)(2) No airborne activity warning signs posted ✓
 20.409(b) no notification of exposure to individual ✓

c. If any items of noncompliance or safety items noted during the last inspection were not corrected, explain: _____

2. ORGANIZATION

a. Organizational structure as described in application or letter

Dated _____, Or _____

b. List primary licensee contact: Ed Juswialo Telephone No.: 312/231-0762

c. Comment: F.D. Lyons, V.P. Chem Mgr. Ralph Ireland, Project Engr.
Ed. Juswialo, site Representative.

Storage and distribution only. Operational production of Thorium shut down.

Category and priority of this license is appropriate: Yes No

If "No" state new Category_____ Priority_____

4. INTERNAL AUDITS OR INSPECTIONS

a. Required by L/C or application: Yes _____ No If "Yes": _____

1) By whom _____

2) Frequency _____ Announced: _____ Unannounced: _____

3) Scope _____

4) Records maintained: Yes No

5) Records reviewed: Yes _____ No _____

6) Period Reviewed: _____

b. Comment (responsibility of auditor or committee, management control): _____

Site representative & Commercial Guard Services perform routine tours of plant at least once/shift, 7 days/week.
Records maintained of all visitors, shift work and events.

5. TRAINING RETRAINING AND INSTRUCTION TO WORKERS

a. Training program specified in L/C or application: Yes _____ No

b. If training program is required, describe scope of program: _____

c. Retraining required: Yes _____ No _____

If "Yes" is retraining: Complete _____ Incomplete _____

1) Are tests and/or examinations required: Yes _____ No _____

2) If "Yes" are records available: Yes _____ No _____

3) Reviewed test results: Yes _____ No _____

4) Period reviewed: _____

5) Comment (per cent completed, test results, etc.): _____

d. Training provided, but not covered above: _____

e. Instructions to workers in accord with 10CFR 19.12: Yes No _____

6. RADIOLOGICAL PROTECTION PROCEDURES

a. Operating and emergency procedures

- 1) Required by L/C or application: Yes _____ No _____
- 2) Provided, but not required by L/C or application: Yes _____ No _____
- 3) Procedures reviewed: Yes _____ No _____
- 4) Appeared Adequate: Yes _____ No _____
- 5) Comments (personnel's understanding of procedures): _____

Adequate

b. Changes in procedures since last inspection: Yes _____ No _____

- 1) Were changes authorized: Yes _____ No _____
- 2) Comments: _____

7. INSTRUMENTATION

a. Type(s) of radiation survey instruments on hand as per L/C, application or equivalent: Yes _____ No _____

- 1) If "No" list changes: _____

b. Capability of radiation survey instruments adequate for program:

☒ Yes _____ ☐ No _____

c. Calibration of instruments required: ☒ Yes _____ ☐ No _____

d. If "Yes" instruments calibrated in accord with requirements:

☒ Yes _____ ☐ No _____

e. Comment: _____

8. MATERIALS

a. Radioactive material secured to prevent unauthorized removal from:

1) Restricted area: ☒ Yes _____ ☐ No _____

2) Unrestricted area (20.207): ☒ Yes _____ ☐ No _____

b. Method of control appears adequate: ☒ Yes _____ ☐ No _____

c. Comment: _____

9. FACILITIES

a. Facilities described in letter or application: ☒ Yes _____ ☐ No _____

b. Facilities inspected: ☒ Yes _____ ☐ No _____

c. Comment: _____

10. POSTING AND LABELING

a. Posting and labeling in accord with 10CFR 20.203: Yes _____ No _____

b. Comment: _____

11. RECEIPT AND TRANSFER OF MATERIAL

a. Procedures for picking up and receiving packages (10CFR 20.205 (b)(c)):

Yes _____ No _____

1) Incoming shipments monitored: Yes _____ No _____

2) Records of monitoring maintained (10CFR 20.401(b)): Yes _____ No _____

3) Records reviewed by NRC inspector: Yes _____ No _____

4) Period reviewed: _____

b. Procedures for opening packages (10CFR 20.205(d)): Yes _____ No _____

c. Comment: _____

d. Records of receipt and transfer of material available (30.51(a); 40.61(a);

70.51(b)(1)): Yes No

1) If "Yes" review of records was made by inspector: Yes No

2) Period Reviewed: 1976 JWD

3) Comments: Periodic tours of facilities compared transfer
& records.

e. Packages on hand meet labelling requirements (49CFR 173.399):

Yes No

Comments: _____

f. Reports to commission required by L/C or regulation submitted:

Yes No

Comments: _____

12. PERSONNEL RADIATION PROTECTION - EXTERNAL

a. Film or TLD badge supplier Kennel

b. Badge exchange frequency Monthly

c. Reports reviewed by Site Rep.

e. Records reviewed for period (Not reviewed) by NRC inspector

f. NRC forms or equivalent

1) NRC-4 (20.102(b)): Yes No Complete: Yes No

2) NRC-5 (20.401(a)): Yes No Complete: Yes No

Maximum whole body quarterly exposure: _____

Maximum extremity quarterly exposure: _____

3) Comment: _____

g. Pocket dosimeters used: Yes _____ No _____

1) Type used: _____
2) Frequency of recharging: _____
3) Frequency of reading: _____
4) Comment: _____

h. Direct radiation surveys of restricted and/or unrestricted areas being made:

Yes _____ No _____

1) Records of surveys being maintained: Yes _____ No _____
2) Records of surveys reviewed: Yes _____ No _____
3) Period reviewed: _____
4) Comments: Surveys performed for transfer of rubble
and as necessary to perform various tasks associated
with plant status.

13. PERSONNEL RADIATION PROTECTION - INTERNAL

a. Potential for exposure of individuals to airborne radioactive materials

exists: Yes _____ No _____

1) If "Yes" does program for monitoring and control exist: Yes _____ No _____
2) Program for monitoring and control appears adequate: Yes _____ No _____

b. Comments: _____

c. Respiratory protection program required by L/C or application:

Yes _____ No _____

1) If "Yes" were respiratory protection procedures reviewed:

Yes _____ No _____

2) Respiratory protection procedures appear adequate: Yes _____ No _____

3) Comments: _____

d. Bioassay program required: Yes _____ No _____

1) If "Yes" was bioassay program reviewed: Yes _____ No _____

2) Bioassay program appear adequate: Yes _____ No _____

3) Comments: _____

e. Smears and air samples

1) Monitoring for airborne radioactivity is conducted (20.103):

Yes _____ No _____

a. Records of monitoring reviewed: Yes _____ No _____

b. Period reviewed: _____

c. Records of monitoring appears adequate: Yes _____ No _____

2) Smear surveys being conducted (20.201, b): Yes _____ No _____

a. Records of smear surveys reviewed: Yes _____ No _____

b. Period reviewed: _____

c. Records appeared adequate: Yes _____ No _____

3) Comments: Smear surveys performed as necessary for transfer
and as necessary to perform tests associated w/ plant status

14. LEAK TESTS

- a. Leak tests required: Yes _____ No _____
- b. If "Yes" leak tests conducted: Yes _____ No _____
- c. Records of leak tests maintained: Yes _____ No _____
- d. Leak tests records reviewed: Yes _____ No _____
- e. Period reviewed: _____
- f. Records of leak tests appear adequate: Yes _____ No _____
- g. Comments: _____

15. RADIOACTIVE EFFLUENT CONTROL AND WASTE DISPOSAL

- a. Byproduct material released to atmosphere and/or sewer (20.106 and 20.303):
Yes _____ No _____
- b. Records of releases or radioactive effluents maintained (20.401):
Yes _____ No _____
- 1) Period reviewed: _____
- 2) Records appear adequate: Yes _____ No _____
- c. Solid waste disposal method: _____
- 1) Records of disposal maintained (30.51): Yes _____ No _____
- 2) Surveys of waste prior to disposal made (20.201): Yes _____ No _____
- 3) Period reviewed: _____
- 4) Records of surveys appear adequate (20.401): Yes _____ No _____
- d. Comments: _____

16. SHIPPING INCIDENTS

- a. Have any shipping incidents occurred since (date) June '76 NO
- 1) Was incident documented: Yes No
- 2) If "Yes" documentation appears adequate: Yes No
- b. Comments (reports to DOT, etc.):
- _____
- _____
- _____
- _____
- _____
- _____
- _____

17. NOTIFICATIONS AND REPORTS

- a. Licensee in compliance with 10CFR 19.13 (reports to individuals):
- Yes No
- b. Licensee in compliance with 10CFR 20.405 (over exposures):
- Yes No
- c. Licensee in compliance with 10CFR 20.403 (incidents):
- Yes No
- d. Licensee in compliance with 10CFR 20.402 (theft or loss):
- Yes No
- e. Comments: Theft of material (not BPM or Service
Material) from plant occurred during
week end of 12/30/78. Item stolen may have
been contaminated with low amounts of Thorium containing
dust. Reported to NRC, local Police and K-M Headquarters.
Roof came in of 1/24/79 (no injuries to personnel)
was also reported to NRC & K-M Headquarters.

18. POSTING OF NOTICES

- a. Licensee in compliance with 10CFR 19.11(a) or (b): Yes No
- b. Licensee in compliance with 10CFR 19.11(c): Yes No
- c. Comments: _____
- _____
- _____

19. ENVIRONMENTAL MONITORING PROGRAM

- a. Environmental Monitoring Program required: Yes No
- b. If "Yes" records reviewed: Yes No
- c. Period reviewed: _____
- d. Records appeared adequate: Yes No
- e. If Environmental Program is not required, briefly describe any existing program: _____
- _____
- _____
- _____
- _____

20. CONFIRMATORY MEASUREMENTS

- a. Independent measurements made by inspector: Yes No
- b. Comments (describe type, results, comparison with licensee results):
- Thyae II - 8 point Detector*
(Direct meas w/ E-120 GM / End of line data, NDC sensor, date 4/9/79)
General area surveys made during walking tour
of facilities to review damage due to roof core in.
Readings from ~ 0.02 up to 204 mR/h gamma obtained
- _____
- _____
- _____

21. INDEPENDENT INSPECTION EFFORT

a. Comment on type of independent inspection effort conducted:

Toured ~~for~~ plant facilities involved in roof care in.
Discussed Corporation plans for cleanup and reinforcement
of the roof where necessary.

22. CONTINUATION FROM PREVIOUS PARAGRAPHS - USE BACK OF PAGE IF NECESSARY

This image shows a single sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.

INSPECTION REPORT NUMBER 7601

APPENDIX B - LICENSEE ACTION ON PREVIOUS INSPECTION FINDINGS

Licensee: Kerr-McBee

License no: STA-583

Identification and summary of action taken

Status

Report no: 7601 Type n/c: I Describe: 20.101 personal overexposure

Action taken:

Individual taken off work w/ severe material

OPEN

CLOSED

Report no: 7601 Type n/c: I Describe: 20.405(a) No 30 day report of exposure

Action taken:

Report submitted

OPEN

CLOSED

Report no: 7601 Type n/c: I Describe: 20.201 (b) Independent level of air conc.

Action taken:

Destructive Cleanup operation terminated, no further dust generated

OPEN

CLOSED

Report no: 7601 Type n/c: D Describe: 20.223 (1)(2) Major contamination, Posting

Action taken:

Operation terminated, sign not required, will use
if operations are continued

OPEN

CLOSED

Report no: 7601 Type n/c: D Describe: 20.409(b) notification of exposure to employer

Action taken:

Notification made

OPEN

CLOSED

APPENDIX C - SUPPLEMENTARY INFO

[] Uncorrected/repeated noncompliance

[] Unresolved items

[] Unusual occurrence, conditions, etc

[x] Inspector's comments

[] Basis for change of Category or Priority

Roof of Bldg. 3, east side along Factory Street caved in and wall fell over towards street. ~~Subsequent~~ Subsequent roof fractures in Bldg 1, east side along Factory Street; area roped off inside bldg. Additional fracture in west portion of Bldg 3.

Corporation plan to push ~~back~~ rubble from collapsed wall back into Bldg and cut away remaining ~~problem~~ weakened structure. Also plan to install new ~~of~~ chain link fence along Factory Street, 7 to 8 ft. high with barbed wire strands on top. Expect Corporate Engr. to review site for evaluation purposes prior to finalizing plans. K-M. has received 2 bids from contractors to perform task. Also plan to have personnel from Elusline or ATCOR on hand to handle H.P. problems & to conduct surveys if necessary. Anticipate work to start after mid March, 1979.

The office location at the site may be relocated to the warehouse because of utility problems in the existing area.

Exhibit A, attached, is a copy of letter to K-M from Class Guard & Investigation Service Inc. in reference to the break in at the site and the installation of punch clocks for the watchmen/guards.

Exhibit B, attached, is a copy of a list of names of ~~past~~ employees of the West Chicago Race & Trk Facilities whom ANK is trying to locate for medical investigation purposes.



Exhibit A of Reg. X

GLOSS GUARD & INVESTIGATION SERVICES, INC.

EXECUTIVE OFFICE
648 East Roosevelt Road
Glen Ellyn, Illinois 60137
(312) 469-1961

REGIONAL OFFICE
9 N. County St., Suite G1
Waukegan, Illinois 60085
(312) 623-6300

January 23, 1979

Mr. R. J. Vreeland
Kerr-McGee Chemical Corp.
Kerr-McGee Center
Oklahoma City, Oklahoma 73125

Dear Mr. Vreeland:

I am in receipt of your letter dated January 2, 1979, and addressed to
. Please be advised that is no longer employed by this
Agency. I will personally handle the guard account at your West Chicago Plant.

We have installed a Detex Watchman's Clock and 4 punch keys in the plant area
strategically located so we are assured that the plant area is patrolled each hour.

We have been in touch with Detective Dolan of the West Chicago Police Department,
who is handling the recent break-in and theft at the plant. Mr. Dolan received
information from one of our guards on a good suspect in the incident and Detective
Dolan is following through on the information. I telephone Detective Dolan this
date, but his office informed me that he was on the street working. As soon as
we have any information I will notify Mr. Juzwiak and yourself.

I have also issued orders that your office telephone is to be used only to make
check in calls to the Agency office or for emergency calls. No personal calls
will be tolerated. I talked to Mr. Juzwiak this date and informed him that I was
deducting the excessive phone call charges from the guard's paycheck that were
involved and would send a check to him to forward to your attention.

I want to apologize for the lack of communication and follow thru on security
matters and every effort has been made to correct past performances by the guards
assigned to your West Chicago Plant.

Very truly yours,

(A. D. Gloss)
A. D. Gloss
President

ADG/jt
CC: E. Juzwiak

Exhibit B of Reg +

Look for

(PGM-128) LINDSAY CORE GROUP SEARCH LIST, RAN ON 12/29/78

LN	FN
ARNOLD	RAYMOND J
BLUM	HELMUT
CABRAL	ENRIQUE M
CANO	PABLO P
COOPER	GRADY ?
DIDIER	JOHN F
FERNANDEZ	LUIS
FUELL	ROY FRANKLIN
GALINDO	VICTOR C
GELDEAN	KENNETH G
GONZALEZ	GAUDENCIO
GONZALEZ	HUMBERTO P
GONZALEZ	VICTOR
GRAY	EUGENE H
GREGORY	WILLIAM
HANKEY	ROBERT
HAYES	RAYMOND EDWAR
HERNANDEZ	JOSE H
HICKS JR	LEONARD C
HOOD	LEONARD
KARPEL	FRANK JAMES
KRUMNAU	OTTO
LAMBERT	SAMUEL
LONGORIA	LIONEL
MANSER	JAMES EDWARD
MARTIN	ORAL F
MARTINEZ	JORGE S
MCCOUGLE	FREDERICK D
MENDIETA	ANTONIO
MENDOZA	JUAN CRUZ
NELSON	JESSE JAMES
ORTIZ	MANUEL B
ORTIZ	ROSARIO B
ORTIZ JR	GILBERTO B
OVERTON	CHARLES ERDIE
PADUA	JORGE LOPEZ
PIERCY	CHARLIE J
FRESLEY	HERMAN A
QUINONES	MIGUEL A
RAINBOLT	RONALD D
REYES	ANDRES
RICHARDSON	ROBERT J
RILEY	RAYMOND B
ROLLAND	JOSEPH SELMER
SCANLAN	DAVID ARTHUR
SCHAUB	CARL
SHEEHAN	HENRY A
SLOCUM	SAMUEL HILLAR
SMITH	RICHARD EUGEN
SOSA	ENRIQUE
STPETER	PHILLIP
SUTER	GLENN M
VALENTIN	JOSE M
VANDRAN	EUGENE L
VELASQUEZ	FRANK
VEST	ESTIL E
WATSON	EVERETT M

(PGH-128)

LINDSAY CORE GROUP SEARCH LIST, RAN ON 12/29/78

LN	FN
WHITLEY	ALBERT GRANT
WILLIAMSON	LUTHER EARL
YBARRA	GREGORIA
YOUNG	DELBERT JR
ZARATE	JESUS