



**KERR-McGEE CHEMICAL CORPORATION**

KERR-McGEE CENTER • OKLAHOMA CITY, OKLAHOMA 73125

40-2061  
PDR  
Return to  
39655

November 10, 1982

Mr. W. A. Nixon  
Uranium Process Licensing Section  
Uranium Fuel Licensing Branch  
Division of Fuel Cycle & Mat'l Safety  
U.S. Nuclear Regulatory Commission  
Washington, D.C. 20555

Dear Mr. Nixon:

On Monday, November 8, 1982, you asked for copies of our local permits for the incineration system at West Chicago. Therefore, I am enclosing the following items for your information:

- Kerr-McGee's application to the City of West Chicago for a building permit and a copy of the building permit that was issued.
- Kerr-McGee's application to the Illinois Environmental Protection Agency for a permit to construct the incinerator system in West Chicago.

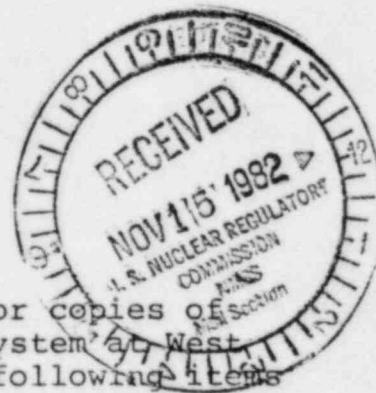
Sincerely,

*I. L. Denny*  
I. L. Denny

ILD:ms

Enclosures

cc: W. J. Shelley/no enc.



**FEE EXEMPT**

*info*

OK to release  
10-19-82

No. 7670

**City of West Chicago**

**DEPARTMENT OF BUILDING**

Office of Building Inspector

West Chicago, Ill.

Oct 19 1982

Permission is hereby granted to Kerr Mac Bee Chem. Corp. erect a  
Incinerator feet front, by \_\_\_\_\_ feet deep

on \_\_\_\_\_ Lot \_\_\_\_\_ Block \_\_\_\_\_ Addition or Subdivision \_\_\_\_\_  
Sec. \_\_\_\_\_ T \_\_\_\_\_ R \_\_\_\_\_ 798 Factory Street

Total Cost of Building \$ 450,000 Amount of Fees Paid \$ 474

This permit is granted upon the express condition that the said Kerr Mac Bee Chem. Corp.  
in the erection of said building shall conform in all respects

to the ordinances of the City of West Chicago, regulating the construction of buildings in the city limits, and may be revoked at any time  
upon the violation of any of the provisions of said ordinances.

By order of said Building Inspector.

[Signature]  
Building Inspector  
Per \_\_\_\_\_

ORIGINAL  
CITY OF WEST CHICAGO

DU PAGE COUNTY, ILLINOIS

Phone 231-3322

DATE 10-19-82

Kerr McGee

798 Factory St.

ADDRESS DESCRIPTION NUMBER AMOUNT

Building Permit

License

Water License

Building Permit 7670

Building Permit

Occupancy Permit 10 00

Building Permit 16 50

Electrical Permit 224 80

Water Connec. Permit

Not Opening Deposit

Violation Ventilation 80 00

Plan Review 33 30

Motors 21 75

CHECK CASH

474 05 Total 474 05

RECEIPT NUMBER 72827

REC'D BY J. P. Carter

Phone: 231-3322

Statement

October 19, 1982

Kerr-McGee Chemical Corp.

798 Factory St., West Chicago, Ill. 60185

In Account With

CITY OF WEST CHICAGO

City Hall - 475 Main Street  
P.O. Box 447

West Chicago, Ill. 60185

Make checks payable to  
City Collector

Please return this statement  
with your remittance

Building Permit No. 7670

88 00

Mechanical Permit for Incinerator  
Installation

Plan Review

33 00

Electric

224 80

Occupancy

10 00

Heating

16 50

Motors

21 75

Ventilation

80 00

WEST CHICAGO, IL

OCT 19 1982

PAID BY Kip

474 05

No 992

G-6 2M

DEPARTMENT OF BUILDINGS . . . 475 MAIN ST.

WEST CHICAGO, ILLINOIS

BUILDING PERMIT NO. 1010  
 WATER SERVICE NO. \_\_\_\_\_  
 PLUMBER'S LICENSE NO. \_\_\_\_\_  
 ELECTRICIAN'S LICENSE \_\_\_\_\_

PERMIT IS HEREBY MADE FOR Mechanical Permit for Incinerator Installation  
 SITUATED ON LOT \_\_\_\_\_ BLOCK \_\_\_\_\_ SUBDIVISION \_\_\_\_\_  
 AS 708 Factory Street STREET  
 60' WIDTH 19' HEIGHT 19' SQUARE FEET 1566 CUBIC FEET 21,000  
 EVALUATION \$ Incinerator Cost-\$150,000; Installation Cost-\$200,000  
 Kerr-McGee Chemical Co ADDRESS 708 Factory Street  
 ADDRESS \_\_\_\_\_  
 OR Kerr-McGee ADDRESS 708 Factory Street  
 Kerr-McGee ADDRESS 708 Factory Street  
 ER Kerr-McGee ADDRESS 708 Factory Street  
 Kerr-McGee ADDRESS 708 Factory Street  
 ADDRESS \_\_\_\_\_  
 ADDRESS \_\_\_\_\_  
 ADDRESS \_\_\_\_\_  
 MAN (To Be Bid) ADDRESS \_\_\_\_\_  
 ADDRESS \_\_\_\_\_  
 ADDRESS \_\_\_\_\_

BUILDING Butler Prefab building (Good)

PLAT OF SURVEY AND CERTIFIED PLANS BY LICENSED ARCHITECT (2 EACH)

SIDEWALKS, APPROACHES AND OFF-STREET PARKING

UTILITIES BEFORE BEGINNING. ELECTRICAL CONTRACTOR FURNISH \$1,000.00 BOND

ING CONTRACTOR FURNISH \$10,000.00 BOND.

CTOR FURNISH COPY OF P.D. & P.L. INSURANCE.

WE BY CERTIFY THAT THE STATEMENTS IN THIS APPLICATION ARE TRUE AND CORRECT

BEST OF MY KNOWLEDGE AND BELIEF AND THAT ALL CONSTRUCTION WORK UNDER THE

ED AGREEMENT AND PERMIT WILL CONFORM TO THE MUNICIPAL CODE OF THE CITY OF

CHICAGO, ILLINOIS Walter Haffis 10/13/82 SIG. OWNER/AGENT

708 Factory Street TEL. No. 231-0762

CTORS AND SUB-CONTRACTORS NOTIFY BUILDING DEPARTMENT 24 HOURS BEFORE STARTING WORK

ONAL INFORMATION Attachment: DWG. No. B-21006 & DWG. No. A-13002

PLAN REVIEW	\$ <u>33 -</u>
BUILDING PERMIT	<u>88 -</u>
PLUMBING	<u>      </u>
ELECTRIC	<u>224.80</u>
OCCUPANCY	<u>10 -</u>
HEATING	<u>16.50</u>
APPROACHES	<u>      </u>
CONSTRUCTION WATER	<u>      </u>
SEWER USE CHARGE	<u>      </u>
WATER USE CHARGE	<u>      </u>
STANDBY CONNECTION	<u>      </u>
MOTORS	<u>21.75</u>
SPRINKLERS	<u>      </u>
VENTILATION	<u>80 -</u>
STREET OPENING DEPOSIT	<u>      </u>
TOTAL	<u>474.55</u>
TAX ON METER	<u>      </u>
GRAND TOTAL	<u>474.55</u>

WEST CHICAGO, IL

10/13/82



**KERR-MCGEE CHEMICAL CORPORATION**

798 FACTORY STREET • WEST CHICAGO, ILLINOIS 60185

lic. & Permits  
city of W. Chi.

October 13, 1982

HAND DELIVERED

Mr. Thomas J. Moniz  
Building Inspector  
City of West Chicago  
West Chicago, Illinois 60185

Dear Mr. Moniz:

Attached is our application for a permit under Sec. M-111.1 of the BOCA Basic Mechanical Code of the City of West Chicago. This installation has been specifically approved by the United States Nuclear Regulatory Commission on August 11, 1981 and February 12, 1982, in the form of License Amendments Nos. 2 and 4 to Kerr-McGee's license for the West Chicago Facility (STA-583) pursuant to Title 10, Code of Federal Regulations, Part 40. This amendment has not been challenged by any party. We believe that the NRC has the sole authority under federal preemptive law to permit any changes or alterations in this installation.

We would appreciate your prompt attention to this application.

Sincerely,

Walter Harris  
Project Manager

lj

Attachment

LAW OFFICES  
CHADWELL & KAYSER, LTD.  
8500 SEARS TOWER  
CHICAGO, ILLINOIS 60606-6592  
312 876-2100

JOHN C. BERGHOFF, JR.  
(312) 876-2188

October 20, 1982

CABLE: CHADLAW CHICAGO  
TELECOPIER: (312) 876-2225  
TELEX: 206721

Air Permit Section  
Division of Air Pollution Control  
Illinois Environmental Protection Agency  
2200 Churchill Road  
Springfield, IL 62706

RE: Incineration System; Kerr-McGee,  
West Chicago Facility

Dear Sirs:

Attached hereto are the completed permit application forms for the proposed incineration system to be located at the former rare earths processing facility of Kerr-McGee Chemical Corporation located at 798 Factory Street, West Chicago, Illinois ("West Chicago facility"). The attached forms include: 1) application for a construction permit; 2) application for an air pollution control equipment permit; 3) application for an incinerator permit; 4) application relating to the disposition of the incinerator waste materials; 5) drawings and data referenced in these applications and; 6) evidence of authority to sign these applications consistent with IPCB Regs., Chap. 2, Part 1, Rule 103. Appended to the air pollution control equipment application is a summary of the stack monitoring which will be a part of this installation.

As you know from our conference in Chicago on September 30, 1982 at which representatives from the Illinois EPA, including Messrs. Franson, Orlinsky, Levine and Ms. Damlos met with Kerr-McGee representatives, the West Chicago facility is licensed by the United States Nuclear Regulatory Commission (STA-583). This facility is now in the process of decommissioning and stabilization of all the materials located there pursuant to NRC regulations promulgated under the Atomic Energy Act and the Uranium Mill Tailings Radiation Control



Air Permit Section  
Division of Air Pollution Control  
Illinois Environmental Protection Agency  
October 20, 1982  
Page Two

Act. A crucial part of this decommissioning is the painstaking demolition of the structures presently on site which have no independent utility. Some of these buildings were constructed with wood and that material is contaminated with low-level radioactivity.

To reduce the volume of material which must be stabilized pursuant to NRC authority and to ensure the integrity of the proposed encapsulation cell, Kerr-McGee requested an amendment to its NRC license to permit the construction and operation of this incineration system. This incineration installation was specifically approved by the NRC on August 11, 1981 and February 12, 1982, in the form of License Amendments Nos. 2 and 4 to Kerr-McGee's license (STA-583) pursuant to Title 10, Code of Federal Regulations, Part 40. (These amendments have been distributed to the Illinois EPA directly from the NRC, at the time the amendments were issued.) These amendments are now in force.

Because this proposed incinerator installation has been approved by the NRC pursuant to the Atomic Energy Act authority, the NRC has the sole authority under federal law to permit any changes or alterations in the installation. By applying for these permits, we cannot waive this NRC authority or the preemptive effect of federal law and regulations because this authority does not reside in Kerr-McGee. Therefore, any changes or alterations in this installation would have to be specifically approved by the NRC consistent with their statutes and regulations.

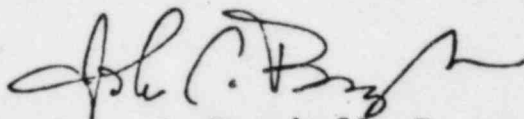
We believe that this installation design, as generally reviewed with Illinois EPA personnel at our meeting on September 30, is a highly advanced one which represents state-of-the-art technology. Certain documents which reflect the design system are labelled "Confidential" because Kerr-McGee Chemical Corporation considers this incinerator system design to be a protectable trade secret within the definitions of the Illinois Environmental Protection Act, Chap. 111-1/2, Section 1007.1. We do not in any way wish to imply that the fact that these applications have been made by Kerr-McGee is confidential. However, Kerr-McGee has applied for a patent on one of the innovative processes used in the decommissioning work at the West Chicago facility and is taking steps to seek a patent on this unique process. Therefore, we have clearly delineated these documents as "Confidential" to protect Kerr-McGee's rights in this respect.

CHADWELL & KAYSER, LTD.

Air Permit Section  
Division of Air Pollution Control  
Illinois Environmental Protection Agency  
October 20, 1982  
Page Three

Finally, it is vital to this overall decommissioning process that the construction of this system begin prior to the onset of severe winter weather. We would appreciate your prompt attention to this application.

Sincerely,

A handwritten signature in dark ink, appearing to read "John C. Berghoff, Jr.", with a stylized flourish at the end.

John C. Berghoff, Jr.  
Attorney for Kerr-McGee  
Chemical Corporation

cc: Peter E. Orlinsky  
Attorney  
Enforcement Programs





STATE OF ILLINOIS  
ENVIRONMENTAL PROTECTION AGENCY  
DIVISION OF AIR POLLUTION CONTROL  
8200 CHURCHILL ROAD  
SPRINGFIELD, ILLINOIS 62706

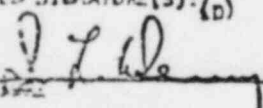
APPLICATION FOR A PERMIT (A) <input checked="" type="checkbox"/> CONSTRUCT <input type="checkbox"/> OPERATE		FOR AGENCY USE ONLY	
OF EQUIPMENT TO BE TRUCTED OR OPERATED <u>Incinerator system</u> (B)		I. D. NO. _____	PERMIT NO. _____
		DATE _____	

NAME OF OWNER: Kerr-McGee Chemical Corporation		2a. NAME OF OPERATOR: Kerr-McGee Chemical Corporation	
STREET ADDRESS OF OWNER: Kerr-McGee Center		2b. STREET ADDRESS OF OPERATOR: 798 Factory St.	
CITY OF OWNER: Oklahoma City		2c. CITY OF OPERATOR: West Chicago	
STATE OF OWNER: Oklahoma	1e. ZIP CODE: 73125	2d. STATE OF OPERATOR: Illinois	2e. ZIP CODE: 60185

NAME OF CORPORATE DIVISION OR PLANT: Kerr-McGee Chemical Corporation		3b. STREET ADDRESS OF EMISSION SOURCE: 798 Factory St.	
CITY OF EMISSION SOURCE: West Chicago	3d. LOCATED WITHIN CITY LIMITS: <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	3e. TOWNSHIP: Winfield	3f. COUNTY: DuPage
		3g. ZIP CODE: 60185	

4. CORRESPONDENCE TO: (TITLE AND/OR NAME OF INDIVIDUAL) L. L. Denny		5. TELEPHONE NUMBER FOR AGENCY TO CALL: 405-270-3817
6. PERSONS FOR CORRESPONDENCE: (CHECK ONLY ONE) <input checked="" type="checkbox"/> OWNER <input type="checkbox"/> OPERATOR <input type="checkbox"/> EMISSION SOURCE		7. YOUR DESIGNATION FOR THIS APPLICATION: (C) STA-583

I, THE UNDERSIGNED HEREBY MAKES APPLICATION FOR A PERMIT AND CERTIFIES THAT THE STATEMENTS CONTAINED HEREIN ARE TRUE AND CORRECT, AND  
FURTHER CERTIFIES THAT ALL PREVIOUSLY SUBMITTED INFORMATION REFERENCED IN THIS APPLICATION REMAINS TRUE, CORRECT AND CURRENT.  
BY AFFIXING HIS SIGNATURE HERETO HE FURTHER CERTIFIES THAT HE IS AUTHORIZED TO EXECUTE THIS APPLICATION.

AUTHORIZED SIGNATURE(S): (D)  _____ L. L. Denny _____ TITLE OR PRINTED NAME OF SIGNER Manager - Special Projects _____ TITLE OF SIGNER		10/20/82 DATE	BY SIGNATURE _____ DATE _____ TITLE OR PRINTED NAME OF SIGNER _____ TITLE OF SIGNER
--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	--	------------------	----------------------------------------------------------------------------------------------------------

TO PROVIDE THE AGENCY WITH GENERAL INFORMATION ABOUT THE EQUIPMENT TO BE CONSTRUCTED OR OPERATED. THIS FORM MAY  
BE USED TO REQUEST ONE TYPE OF PERMIT - CONSTRUCTION OR OPERATION - AND NOT BOTH.

THE GENERIC NAME OF THE EQUIPMENT TO BE CONSTRUCTED OR OPERATED. THIS NAME WILL APPEAR ON THE PERMIT WHICH MAY BE ISSUED  
IN RESPONSE TO THIS APPLICATION. THIS FORM MUST BE ACCOMPANIED BY OTHER APPLICABLE FORMS AND INFORMATION.

YOUR DESIGNATION IN ITEM 7 ABOVE WHICH YOU WOULD LIKE THE AGENCY TO USE FOR IDENTIFICATION OF YOUR EQUIPMENT. YOUR  
DESIGNATION WILL BE REFERENCED IN CORRESPONDENCE FROM THIS AGENCY RELATIVE TO THIS APPLICATION. YOUR DESIGNATION MUST NOT  
EXCEED (10) CHARACTERS.

THIS APPLICATION MUST BE SIGNED IN ACCORDANCE WITH PCB REGS., CHAPTER 2, PART 2, RULE 303(a)(4) OR 303(b)(5) WHICH STATES:  
"APPLICATIONS AND SUPPLEMENTS THERETO SHALL BE SIGNED BY THE OWNER AND OPERATOR OF THE EMISSION SOURCE OR AIR POLLUTION  
EQUIPMENT, OR THEIR AUTHORIZED AGENT, AND SHALL BE ACCOMPANIED BY EVIDENCE OF AUTHORITY TO SIGN THE APPLICATION."

IF THE OWNER OR OPERATOR IS A CORPORATION, SUCH CORPORATION MUST HAVE ON FILE WITH THE AGENCY A CERTIFIED COPY OF A RESOLUTION  
ADOPTED BY THE CORPORATION'S BOARD OF DIRECTORS AUTHORIZING THE PERSONS SIGNING THIS APPLICATION TO CAUSE OR ALLOW THE CONSTRUCTION OR  
OPERATION OF THE EQUIPMENT TO BE COVERED BY THE PERMIT.

THIS APPLICATION CONTAIN A PLOT PLAN/MAP: a. Plat Prepared By H. F. Steinbrecher  
☒ YES ☐ NO b. Catalytic, Inc. Drawing No. E-21006-A-  
A PLOT PLAN/MAP HAS PREVIOUSLY BEEN SUBMITTED, SPECIFY: "Incinerator Final Grading Plan."  
AGENCY I.D. NUMBER \_\_\_\_\_ APPLICATION NUMBER \_\_\_\_\_

IS THE APPROXIMATE SIZE OF APPLICANT'S PREMISES LESS THAN 1 ACRE?

☐ YES ☒ NO: SPECIFY 43 ACRES

DOES THIS APPLICATION CONTAIN A PROCESS FLOW DIAGRAM(S) THAT ACCURATELY AND CLEARLY REPRESENTS CURRENT PRACTICE.  
☒ YES ☐ NO Catalytic, Inc. Sketch No. 1, Incinerator System Flow Diagram.

WAS ANY EQUIPMENT, COVERED BY THIS APPLICATION, OWNED OR CONTRACTED FOR, BY THE APPLICANT PRIOR TO APRIL 14, 1972:

☐ YES ☒ NO

IF "YES", ATTACH AN ADDITIONAL SHEET, EXHIBIT A, THAT:

- (a) LISTS OR DESCRIBES THE EQUIPMENT
- (b) STATES WHETHER THE EQUIPMENT WAS IN COMPLIANCE WITH THE RULES AND REGULATIONS GOVERNING THE CONTROL OF AIR POLLUTION PRIOR TO APRIL 14, 1972.

11b. HAS ANY EQUIPMENT, COVERED BY THIS APPLICATION, NOT PREVIOUSLY RECEIVED AN OPERATING PERMIT:

☐ YES ☒ NO

IF "YES", ATTACH AN ADDITIONAL SHEET, EXHIBIT B, THAT:

- (a) LISTS OR DESCRIBES THE EQUIPMENT
- (b) STATES WHETHER THE EQUIPMENT
  - (i) IS ORIGINAL OR ADDITIONAL EQUIPMENT
  - (ii) REPLACES EXISTING EQUIPMENT, OR
  - (iii) MODIFIES EXISTING EQUIPMENT
- (c) PROVIDES THE ANTICIPATED OR ACTUAL DATES OF THE COMMENCEMENT OF CONSTRUCTION AND THE START-UP OF THE EQUIPMENT

IF THIS APPLICATION INCORPORATES BY REFERENCE A PREVIOUSLY GRANTED PERMIT(S), HAS FORM APC-210, "DATA AND INFORMATION—INCORPORATION BY REFERENCE" BEEN COMPLETED.

☐ YES ☒ NO

13. DOES THE STARTUP OF AN EMISSION SOURCE COVERED BY THIS APPLICATION PRODUCE AIR CONTAMINANT EMISSION IN EXCESS OF APPLICABLE STANDARDS:

☐ YES ☐ NO

IF "YES," HAS FORM APC-203, "OPERATION DURING STARTUP" BEEN COMPLETED FOR THIS SOURCE:

☐ YES ☐ NO

14. DOES THIS APPLICATION REQUEST PERMISSION TO OPERATE AN EMISSION SOURCE DURING MALFUNCTIONS OR BREAKDOWNS:

☐ YES ☐ NO

IF "YES," HAS FORM APC-204, "OPERATION DURING MALFUNCTION AND BREAKDOWN" BEEN COMPLETED FOR THIS SOURCE:

☐ YES ☐ NO

15. IS AN EMISSION SOURCE COVERED BY THIS APPLICATION SUBJECT TO A FUTURE COMPLIANCE DATE:

☐ YES ☐ NO

IF "YES," HAS FORM APC-202, "COMPLIANCE PROGRAM & PROJECT COMPLETION SCHEDULE," BEEN COMPLETED FOR THIS SOURCE:

☐ YES ☐ NO

16. DOES THE FACILITY COVERED BY THIS APPLICATION REQUIRE AN EPISODE ACTION PLAN (REFER TO GUIDELINES FOR EPISODE ACTION PLANS):

☐ YES ☐ NO

17. WAS THIS OPERATION THE SUBJECT OF A VARIANCE PETITION FILED WITH THE ILLINOIS POLLUTION CONTROL BOARD ON OR BEFORE JUNE 13, 1972:

☐ YES ☐ NO

IF "YES," CITE: PCB NUMBER(S) \_\_\_\_\_, DATE OF BOARD ORDER \_\_\_\_\_

WAS CONSTRUCTION OR MODIFICATION OF EQUIPMENT, SUFFICIENT TO ACHIEVE COMPLIANCE WITH THE "RULES AND REGULATIONS GOVERNING THE CONTROL OF AIR POLLUTION" EFFECTIVE PRIOR TO APRIL 14, 1972, COMMENCED PRIOR TO APRIL 14, 1972:

☐ YES ☐ NO

IF "YES," EXPLAIN IN DETAIL, AND IDENTIFY EXPLANATION AS EXHIBIT D.

LIST AND IDENTIFY ALL FORMS, EXHIBITS, AND OTHER INFORMATION SUBMITTED AS PART OF THIS APPLICATION. INCLUDE THE PAGE NUMBERS ON EACH ITEM (ATTACH ADDITIONAL SHEETS IF NECESSARY):

- a. Plat Map - Steinbrecher, July 22, 1982 (1-page)
- b. Incinerator Final Grading Plan - Catalytic, Inc. Drwg. No. B-21006 (1-page)
- c. Incinerator System Flow Diagram, Catalytic Inc., Sketch No. 1 (1-page)
- d. General Arrangement - Incinerator System, Trecan, Ltd. Drwg. #472-1-D Sheet 1 (Rev. 4) and Sheet 2 (Rev. 5). (2-pages)
- e. Filter Housing, Cambridge Filter Corp. Drwg. No. B-2096-C2 (4 pages)
- f. Stack monitoring summary (1-page)

(over)

18. (continued)

- g. Evidence of authority to sign (Affidavit of J. L. Rainey) (1-page)
- h. Air pollution control equipment form (6-pages)
- i. Incinerator form (2-pages)
- j. Disposition of waste materials form (2-pages)
- k. Transmittal Letter (Chadwell & Kayser to Air Permit Section, Oct. 20, 1964) (3-pages)



STATE OF ILLINOIS  
ENVIRONMENTAL PROTECTION AGENCY  
DIVISION OF AIR POLLUTION CONTROL  
2200 CHURCHILL ROAD  
SPRINGFIELD, ILLINOIS 62706

\*DATA AND INFORMATION

AIR POLLUTION CONTROL EQUIPMENT

THIS INFORMATION FORM IS FOR AN INDIVIDUAL UNIT OF AIR POLLUTION CONTROL EQUIPMENT OR AN AIR POLLUTION CONTROL SYSTEM.

NAME OF OWNER:

Kerr-McGee Chemical Corporation

2. NAME OF CORPORATE DIVISION OR PLANT (IF DIFFERENT FROM OWNER): Kerr-McGee Chemical Corporation

STREET ADDRESS OF CONTROL EQUIPMENT:

798 Factory St.

4. CITY OF CONTROL EQUIPMENT:

West Chicago

NAME OF CONTROL EQUIPMENT OR CONTROL SYSTEM:

- a. Fabric Filter Bag House
- b. HEPA Filter

INSTRUCTIONS

COMPLETE THE ABOVE IDENTIFICATION.

COMPLETE THE APPROPRIATE SECTION FOR THE UNIT OF CONTROL EQUIPMENT, OR THE APPROPRIATE SECTIONS FOR THE CONTROL SYSTEM. BE CERTAIN THAT THE ARRANGEMENT OF VARIOUS UNITS IN A CONTROL SYSTEM IS MADE CLEAR IN THE PROCESS FLOW DIAGRAM. COMPLETE PAGE 6 OF THIS FORM, EMISSION INFORMATION AND EXHAUST POINT INFORMATION.

EFFICIENCY VALUES SHOULD BE SUPPORTED WITH A DETAILED EXPLANATION OF THE METHOD OF CALCULATION, THE MANNER OF ESTIMATION, OR THE SOURCE OF INFORMATION. REFERENCE TO THIS FORM ANY RELEVANT INFORMATION OR EXPLANATION INCLUDED IN THIS PERMIT APPLICATION.

EFFICIENCY VALUES AND CERTAIN OTHER ITEMS OF INFORMATION ARE TO BE GIVEN FOR AVERAGE AND MAXIMUM OPERATION OF THE SOURCE EQUIPMENT. FOR EXAMPLE, "MAXIMUM EFFICIENCY" IS THE EFFICIENCY OF THE CONTROL EQUIPMENT WHEN THE SOURCE IS AT MAXIMUM OPERATION, AND "AVERAGE FLOW RATE" IS THE FLOW RATE INTO THE CONTROL EQUIPMENT WHEN THE SOURCE IS AT AVERAGE OPERATION.

FOR GENERAL INFORMATION REFER TO "GENERAL INSTRUCTIONS FOR PERMIT APPLICATIONS", APC-201.

DEFINITIONS

THE VALUE THAT SUMMARIZES OR REPRESENTS THE GENERAL CONDITION OF THE EMISSION SOURCE OR THE GENERAL STATE OF PRODUCTION OF THE EMISSION SOURCE. SPECIFICALLY:

NORMAL OPERATION - OPERATION TYPICAL OF THE PRECEDING TWELVE MONTH PERIOD, AS REPRESENTED BY AVERAGE OPERATING TIME AND AVERAGE RATES.

MAXIMUM OPERATION - THE GREATEST VALUE ATTAINABLE OR ATTAINED FROM THE EMISSION SOURCE, OR THE PERIOD OF GREATEST OR UTMOST PRODUCTION OF THE EMISSION SOURCE. SPECIFICALLY:

MAXIMUM OPERATION - THE GREATEST EXPECTED OPERATION, AS REPRESENTED BY MAXIMUM OPERATING TIME AND MAXIMUM RATES.



ADSORPTION UNIT		Not Applicable
FLOW DIAGRAM DESIGNATION(S) OF ADSORPTION UNIT:		
MANUFACTURER:	3. MODEL NAME AND NUMBER:	
ADSORBENT:		
<input type="checkbox"/> ACTIVATED CHARCOAL: TYPE _____ <input type="checkbox"/> OTHER: SPECIFY _____		
ADSORBATE(S):		
NUMBER OF BEDS PER UNIT:	7. WEIGHT OF ADSORBENT PER BED: _____ LB	
DIMENSIONS OF BED: THICKNESS _____ IN, SURFACE AREA _____ SQUARE IN		
INLET GAS TEMPERATURE: _____ °F	10. PRESSURE DROP ACROSS UNIT: _____ INCH H <sub>2</sub> O GAUGE	
TYPE OF REGENERATION:		
<input type="checkbox"/> REPLACEMENT <input type="checkbox"/> STEAM <input type="checkbox"/> OTHER: SPECIFY _____		
METHOD OF REGENERATION:		
<input type="checkbox"/> ALTERNATE USE OF _____ ENTIRE UNITS <input type="checkbox"/> ALTERNATE USE OF _____ BEDS IN A SINGLE UNIT		
<input type="checkbox"/> SOURCE SHUT DOWN <input type="checkbox"/> OTHER: DESCRIBE _____		
AVERAGE OPERATION OF SOURCE		MAXIMUM OPERATION OF SOURCE
TIME ON LINE BEFORE REGENERATION: _____ MIN/BED	15. TIME ON LINE BEFORE REGENERATION: _____ MIN/BED	
EFFICIENCY OF ADSORBER (SEE INSTRUCTION 4): _____ %	16. EFFICIENCY OF ADSORBER (SEE INSTRUCTION 4): _____ %	

AFTERBURNER		Not Applicable
FLOW DIAGRAM DESIGNATION(S) OF AFTERBURNER:		
MANUFACTURER:	3. MODEL NAME AND NUMBER:	
COMBUSTION CHAMBER DIMENSIONS:		
LENGTH _____ IN, CROSS-SECTIONAL AREA _____ SQUARE IN.		
INLET GAS TEMPERATURE: _____ °F	7. FUEL: <input type="checkbox"/> GAS <input type="checkbox"/> OIL: SULFUR _____ WT%	
OUTLET TEMPERATURE OF COMBUSTION CHAMBER: _____ °F	8. BURNERS PER AFTERBURNER: _____ @ _____ BTU/HR EACH	
CATALYST USED: <input type="checkbox"/> YES: DESCRIBE CATALYST _____		
HEAT EXCHANGER USED: <input type="checkbox"/> YES: DESCRIBE HEAT EXCHANGER _____		
AVERAGE OPERATION OF SOURCE		MAXIMUM OPERATION OF SOURCE
GAS FLOW RATE: _____ SCFM	13. GAS FLOW RATE: _____ SCFM	
EFFICIENCY OF AFTERBURNER (SEE INSTRUCTION 4): _____ %	14. EFFICIENCY OF AFTERBURNER (SEE INSTRUCTION 4): _____ %	



CYCLONE:

Not Applicable

FLOW DIAGRAM DESIGNATION(S) OF CYCLONE:

MANUFACTURER:

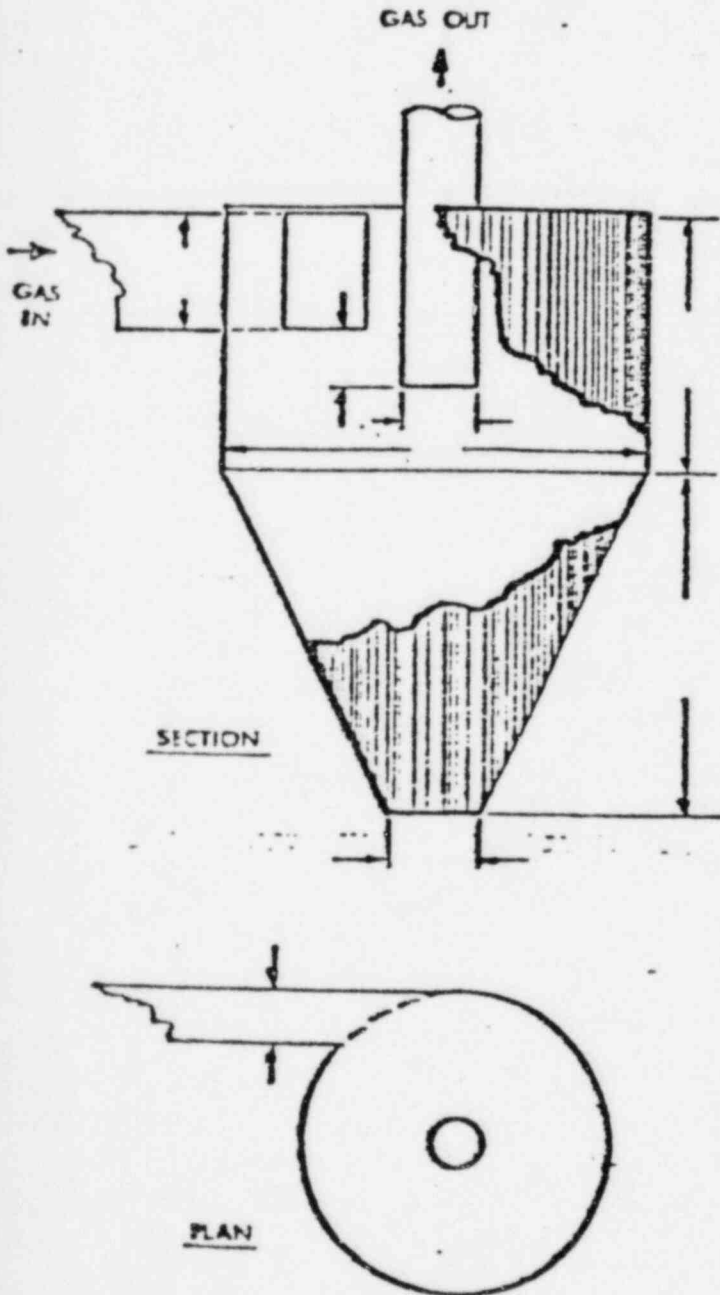
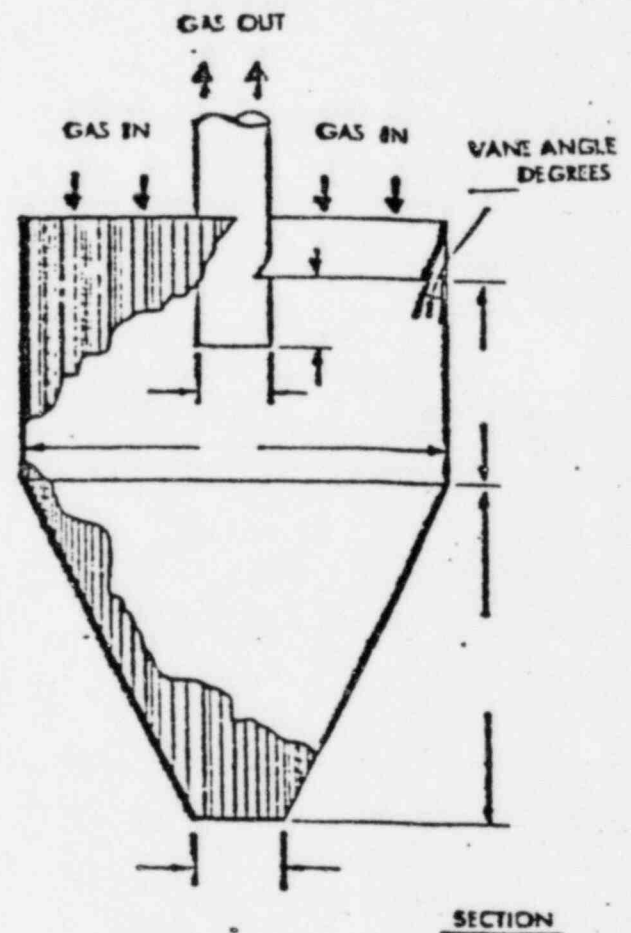
3. MODEL:

TYPE OF CYCLONE:

5. NUMBER OF CYCLONES IN EACH MULTIPLE CYCLONE:

☐ SIMPLE - ☐ MULTIPLE

DIMENSION THE APPROPRIATE SKETCH (IN INCHES) OR PROVIDE A DRAWING WITH EQUIVALENT INFORMATION:

TANGENTIAL INLET CYCLONE
AXIAL INLET CYCLONE  
 (INDIVIDUAL CYCLONE OF MULTIPLE CYCLONE)
NOT TO SCALEAVERAGE OPERATION OF SOURCEMAXIMUM OPERATION OF SOURCE

GAS FLOW RATE:

SCFM

9. GAS FLOW RATE:

SCFM

EFFICIENCY OF CYCLONE (SEE INSTRUCTION 4):

%

10. EFFICIENCY OF CYCLONE (SEE INSTRUCTION 4):

%

## FLOW DIAGRAM DESIGNATION(S) OF CONDENSER.

2. MANUFACTURER:		3. MODEL NAME AND NUMBER:		4. HEAT EXCHANGE AREA: ft <sup>2</sup>	
AVERAGE OPERATION OF SOURCE			MAXIMUM OPERATION OF SOURCE		
5. COOLANT FLOW RATE PER CONDENSER: WATER _____ GPM AIR _____ SCFM OTHER TYPE _____, FLOW RATE _____			10. COOLANT FLOW RATE PER CONDENSER: WATER _____ GPM AIR _____ SCFM OTHER TYPE _____, FLOW RATE _____		
6. GAS FLOW RATE: SCFM			11. GAS FLOW RATE: SCFM		
7. COOLANT TEMPERATURE: INLET _____ °F OUTLET _____ °F		8. GAS TEMPERATURE: INLET _____ °F OUTLET _____ °F		12. COOLANT TEMPERATURE: INLET _____ °F OUTLET _____ °F	
				13. GAS TEMPERATURE: INLET _____ °F OUTLET _____ °F	
9. EFFICIENCY OF CONDENSER (SEE INSTRUCTION 4): %			14. EFFICIENCY OF CONDENSER (SEE INSTRUCTION 4): %		

\*ELECTRICAL PRECIPITATOR

Not Applicable

1. FLOW DIAGRAM DESIGNATION OF ELECTRICAL PRECIPITATOR:	
2. MANUFACTURER:	3. MODEL NAME AND NUMBER:
4. COLLECTING ELECTRODE AREA PER CONTROL DEVICE: ft <sup>2</sup>	
AVERAGE OPERATION OF SOURCE	
5. GAS FLOW RATE: SCFM	
6. EFFICIENCY OF ELECTRICAL PRECIPITATOR (SEE INSTRUCTION 4): %	
MAXIMUM OPERATION OF SOURCE	
7. GAS FLOW RATE: SCFM	
8. EFFICIENCY OF ELECTRICAL PRECIPITATOR (SEE INSTRUCTION 4): %	

SUBMIT THE MANUFACTURER'S SPECIFICATIONS FOR THE ELECTRICAL PRECIPITATOR. REFERENCE THE INFORMATION TO THIS FORM.

\*ELECTRICAL PRECIPITATORS VARY GREATLY IN THEIR DESIGN AND IN THEIR COMPLEXITY. THE ITEMS IN THIS SECTION PROVIDE A MINIMUM AMOUNT OF INFORMATION. THE APPLICANT MUST, HOWEVER, SUBMIT WITH THIS APPLICATION THE MANUFACTURER'S SPECIFICATIONS, INCLUDING ANY DRAWINGS, TECHNICAL DOCUMENTS, ETC. IF THE INFORMATION PROVIDED BY THE MANUFACTURER'S SPECIFICATIONS IS INSUFFICIENT FOR FULL AND ACCURATE ANALYSIS, THE AGENCY WILL REQUEST SPECIFIC ADDITIONAL INFORMATION.

## FILTER UNIT

(Bag House)

1. FLOW DIAGRAM DESIGNATION(S) OF FILTER UNIT: Ducon-Micropulsaire Bag House	
2. MANUFACTURER: Ducon-Micropul Ltd.	3. MODEL NAME AND NUMBER: 12 SW-336-10TRH
4. FILTERING MATERIAL: Hayck-Hyglass	5. FILTERING AREA: 3,958 ft. <sup>2</sup>
6. CLEANING METHOD: <input type="checkbox"/> SHAKER <input type="checkbox"/> REVERSE AIR <input type="checkbox"/> PULSE AIR <input checked="" type="checkbox"/> PULSE JET <input type="checkbox"/> OTHER: SPECIFY _____	
7. GAS COOLING METHOD: <input type="checkbox"/> DUCTWORK: LENGTH _____ FT., DIAM _____ IN. <input checked="" type="checkbox"/> BLEED-IN AIR <input type="checkbox"/> WATER SPRAY <input type="checkbox"/> OTHER: SPECIFY _____	
AVERAGE OPERATION OF SOURCE	
8. GAS FLOW RATE (FROM SOURCE): Incinerator 3,400 SCFM	
9. GAS COOLING FLOW RATE: BLEED-IN AIR 11,500 SCFM, WATER SPRAY N.A. GPM	
10. INLET GAS CONDITION: TEMPERATURE 350 °F DEWPOINT N.A. °F	
11. EFFICIENCY OF FILTER UNIT (SEE INSTRUCTION 4): 99.5 %	
MAXIMUM OPERATION OF SOURCE	
12. GAS FLOW RATE (FROM SOURCE): Incinerator 4,300 SCFM	
13. GAS COOLING FLOW RATE: BLEED-IN AIR 15,000 SCFM, WATER SPRAY N.A. GPM	
14. INLET GAS CONDITION: TEMPERATURE 400 °F DEWPOINT N.A. °F	
15. EFFICIENCY OF FILTER UNIT (SEE INSTRUCTION 4): 99.5 %	

1. MANUFACTURER:		3. MODEL NAME AND NUMBER:	
TYPE OF SCRUBBER:			
HIGH ENERGY: GAS STREAM PRESSURE DROP _____ INCH H <sub>2</sub> O			
PACKED: PACKING TYPE _____, PACKING SIZE _____, PACKED HEIGHT _____ IN.			
SPRAY: NUMBER OF NOZZLES _____, NOZZLE PRESSURE _____ PSIG			
OTHER: SPECIFY _____ ATTACH DESCRIPTION AND SKETCH WITH DIMENSIONS			
TYPE OF FLOW:			
<input checked="" type="checkbox"/> COCURRENT <input type="checkbox"/> COUNTERCURRENT <input type="checkbox"/> CROSSFLOW			
SCRUBBER GEOMETRY:			
LENGTH IN DIRECTION OF GAS FLOW _____ IN., CROSS-SECTIONAL AREA _____ SQUARE IN.			
CHEMICAL COMPOSITION OF SCRUBBANT:			
AVERAGE OPERATION OF SOURCE		MAXIMUM OPERATION OF SOURCE	
SCRUBBANT FLOW RATE:		12. SCRUBBANT FLOW RATE:	
GPM		GPM	
GAS FLOW RATE:		13. GAS FLOW RATE:	
SCFM		SCFM	
INLET GAS TEMPERATURE:		14. INLET GAS TEMPERATURE:	
°F		°F	
EFFICIENCY OF SCRUBBER (SEE INSTRUCTION 4):		15. EFFICIENCY OF SCRUBBER (SEE INSTRUCTION 4):	
_____% PARTICULATE _____% GASEOUS		_____% PARTICULATE _____% GASEOUS	

## OTHER TYPE OF CONTROL EQUIPMENT

FLOW DIAGRAM DESIGNATION(S) OF "OTHER TYPE" OF CONTROL EQUIPMENT: Cambridge HEPA - See Attachment

GENERIC NAME OF "OTHER" EQUIPMENT: HEPA Filter	3. MANUFACTURER: Cambridge Filter Corp.	4. MODEL NAME AND NUMBER: SAD-60-80
---------------------------------------------------	--------------------------------------------	----------------------------------------

DESCRIPTION AND SKETCH, WITH DIMENSIONS AND FLOW RATES, OF "OTHER" EQUIPMENT:

This is a two bank (parallel) High Efficiency Particulate Air (HEPA) filter system. Each bank has overall dimensions of 76" x 99-1/8" x 25". Construction as shown in Cambridge Filter Corporation Drwg. No. B-2096-C2, copy attached.

AVERAGE OPERATION OF SOURCE		MAXIMUM OPERATION OF SOURCE	
8. FLOW RATES:		8. FLOW RATES:	
N.A. GPM 14,900 SCFM		N.A. GPM 19,300 SCFM	
9. EFFICIENCY OF "OTHER" EQUIPMENT (SEE INSTRUCTION 4):		9. EFFICIENCY OF "OTHER" EQUIPMENT (SEE INSTRUCT. IN 4):	
99.97 %		99.97 %	

## EMISSION INFORMATION

NUMBER OF IDENTICAL CONTROL UNITS OR CONTROL SYSTEMS (DESCRIBE AS REQUIRED):

Single Train Process

## AVERAGE OPERATION OF SOURCE

CONTAMINANT	CONCENTRATION OR EMISSION RATE PER IDENTICAL CONTROL UNIT OR CONTROL SYSTEM				METHOD USED TO DETERMINE CONCENTRATION OR EMISSION RATE
ACIDULATED WATER	2a.	<0.009 GR/SCF	b.	<0.015 LB/HR	c. Calculated on Incinerator Efficiency
MONOXIDE	3a.	Trace PPM (VOL)	b.	Trace LB/HR	c. N.A.
OXYGEN DIOXIDE	4a.	Trace PPM (VOL)	b.	Trace LB/HR	c. N.A.
ANIONIC MATERIAL	5a.	Trace PPM (VOL)	b.	Trace LB/HR	c. N.A.
URIC ACID	6a.	Trace PPM (VOL)	b.	Trace LB/HR	c. N.A.
CHLORIDE	7a.	Trace PPM (VOL)	b.	Trace LB/HR	c. N.A.

## MAXIMUM OPERATION OF SOURCE

CONTAMINANT	CONCENTRATION OR EMISSION RATE PER IDENTICAL CONTROL UNIT OR CONTROL SYSTEM				METHOD USED TO DETERMINE CONCENTRATION OR EMISSION RATE
ACIDULATED WATER	8a.	0.09 GR/SCF	b.	0.15 LB/HR	c. Calculated on Incinerator Efficiency
MONOXIDE	9a.	Trace PPM (VOL)	b.	Trace LB/HR	c. N.A.
OXYGEN DIOXIDE	10a.	Trace PPM (VOL)	b.	Trace LB/HR	c. N.A.
ANIONIC MATERIAL	11a.	Trace PPM (VOL)	b.	Trace LB/HR	c. N.A.
URIC ACID	12a.	Trace PPM (VOL)	b.	Trace LB/HR	c. N.A.
CHLORIDE	13a.	Trace PPM (VOL)	b.	Trace LB/HR	c. N.A.

OTHER CONTAMINANT SHOULD BE USED FOR AN AIR CONTAMINANT NOT SPECIFICALLY NAMED ABOVE. POSSIBLE OTHER CONTAMINANTS ARE ASBESTOS, BERYLLIUM, MERCURY, VINYL CHLORIDE, LEAD, ETC.

## EXHAUST POINT INFORMATION

FLOW DIAGRAM DESIGNATION(S) OF EXHAUST POINT:

Stack

DESCRIPTION OF EXHAUST POINT (LOCATION IN RELATION TO BUILDINGS, DIRECTION, HOODING, ETC.):

Carbon Steel Stack - Insulated - Ref. Trecon Dwg. 472-1-D, Sheets 1 &amp; 2

EXIT HEIGHT ABOVE GRADE:

50 feet

4. EXIT DIAMETER:

3'-0" I.D.

GREATEST HEIGHT OF NEARBY BUILDINGS:

37

FT

6. EXIT DISTANCE FROM NEAREST PLANT BOUNDARY:

38

FT

## AVERAGE OPERATION OF SOURCE

## MAXIMUM OPERATION OF SOURCE

EXIT GAS TEMPERATURE:

350

9. EXIT GAS TEMPERATURE:

350

GAS FLOW RATE THROUGH EACH EXIT:

23,900

ACFM

10. GAS FLOW RATE THROUGH EACH EXIT:

33,000

ACFM





STATE OF ILLINOIS  
ENVIRONMENTAL PROTECTION AGENCY  
DIVISION OF AIR POLLUTION CONTROL  
2200 CHURCHILL ROAD  
SPRINGFIELD, ILLINOIS 62706

DATA AND INFORMATION	FOR AGENCY USE ONLY
INCINERATOR	

NAME OF OWNER: Kerr-McGee Chemical Corporation	2. NAME OF CORPORATE DIVISION OR PLANT (IF DIFFERENT FROM OWNER): Kerr-McGee Chemical Corporation
STREET ADDRESS OF EMISSION SOURCE: 798 Factory St.	4. CITY OF EMISSION SOURCE: West Chicago

GENERAL INFORMATION

FLOW DIAGRAM DESIGNATIONS OF INCINERATORS DESCRIBED ON THIS FORM (REFER TO "GENERAL INSTRUCTIONS FOR COMPLETION OF PERMIT APPLICATIONS, FORM APC-201): Incinerator - Trecaire 52

DESCRIPTION OF SOURCE OF WASTE: Scrap lumber and other materials accumulated from demolition of Factory Buildings.	FOR AGENCY USE ONLY DO NOT COMPLETE THIS SECTION
MANUFACTURER OF INCINERATOR: Trecan Ltd.	MANUFACTURER CODE
MODEL NAME AND NUMBER: Trecaire 52	9. <input type="checkbox"/> FLUE <input type="checkbox"/> SINGLE CHAMBER <input checked="" type="checkbox"/> MULTIPLE CHAMBER
ESTIMATED AMOUNT OF WASTE TO BE INCINERATED: 1,000 LB/HR	CAPACITY CODE
ESTIMATED DAILY AMOUNT OF WASTE TO BE INCINERATED: 8,000 LB	PARTICULATE EMISSION FACTOR CODE
HEIGHT OF STACK ABOVE GRADE: 50 FT	CO EMISSION FACTOR CODE
HEIGHT OF TALLEST STRUCTURES WITHIN 350 FEET: 37 FT	
PRIMARY BURNER USED? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO MAX RATING 4,000 BTU/HR	PRIMARY BURNER CODE
SECONDARY BURNER USED? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO MAX RATING 4,000,000 BTU/HR	SECONDARY BURNER CODE

DESCRIPTION OF TYPICAL WASTE TO BE INCINERATED		
a. PAINTS: 0-1.0 % BY WT	b. DRY WOOD: 90-100 % BY WT	c. LEATHER, LINOLEUM: 0 % BY WT
d. RUBBER AND PLASTICS: 0-1.0 % BY WT	e. OILS AND PAINTS: 0 % BY WT	f. STREET AND FLOOR SWEEPINGS: 0-1.0 % BY WT
g. FATS AND FEAT DRESSING: 0 % BY WT	h. GLASS AND CERAMICS: 0 % BY WT	i. METALS: 0 % BY WT
j. LEAVES, GRASS, BRANCHES, VEGETABLES & FRUITS: 0-1.0 % BY WT	k. OTHER (SPECIFY): Combustible Roofing 0-10 % BY WT	



## OPERATIONAL INFORMATION

AVERAGE OPERATION TIME OF INCINERATOR:  
(Batch Operation) 24 HRS/DAY 7 DAYS/WEEK 45 WKS/YEAR

MAXIMUM OPERATION TIME OF INCINERATOR 24 HRS/DAY 7 DAYS/WEEK 52 WKS/YEAR

PERCENT OF ANNUAL THROUGHPUT: DEC/FEB 25 % MAR/MAY 25 % JUN/AUG 25 % SEP/NOV 25 %

## SPECIAL NOTES

FOR INDUSTRIAL WASTES, COMPLETE COMPONENT AND/OR CHEMICAL DESCRIPTION INCLUDING SULFUR, CHLORIDE, ASH, AND MOISTURE CONTENT, MUST BE GIVEN IN AN EXHIBIT ATTACHED TO THIS APPLICATION.

THE AGENCY MUST HAVE ON FILE PROOF THAT THE MAKE AND MODEL INCINERATOR DESCRIBED HEREIN WILL MEET THE REQUIREMENTS OF RULES 203(a) AND 206(b) WHEN BURNING THE WASTE, BOTH TYPE AND RATE, DESCRIBED HEREIN.

GAS CLEANING DEVICE? (IF "YES", COMPLETE APC-260, ENTITLED "DATA AND INFORMATION — AIR POLLUTION CONTROL EQUIPMENT")  
☒ YES ☐ NO

IF LOCATED IN COOK COUNTY, SUBMIT ADDITIONAL PERMIT APPLICATION PLUS COOK COUNTY CONSTRUCTION PERMIT APPLICATION.

COMPLETE APC-100, ENTITLED "DISPOSITION OF WASTE MATERIALS" FOR ASH OR RESIDUE FROM INCINERATOR."

STATE OF ILLINOIS  
ENVIRONMENTAL PROTECTION AGENCY  
DIVISION OF AIR POLLUTION CONTROL  
2200 CHURCHILL ROAD  
SPRINGFIELD, ILLINOIS 62706

FOR AGENCY USE ONLY

REFERENCE I.D. NO. \_\_\_\_\_

REFERENCE PERMIT NO. \_\_\_\_\_

DATE \_\_\_\_\_

DISPOSITION OF WASTE MATERIALS (A)

NAME OF EQUIPMENT OR PROCESS TO  
CONSTRUCTED OR OPERATED (B) Incinerator System

NAME OF OWNER:

Kerr-McGee Chemical Corporation

2a. NAME OF OPERATOR:

Kerr-McGee Chemical Corporation

STREET ADDRESS OF OWNER:

Kerr-McGee Center

2b. STREET ADDRESS OF OPERATOR:

798 Factory St.

CITY OF OWNER:

Oklahoma City

2c. CITY OF OPERATOR:

West Chicago

STATE OF OWNER:

Oklahoma

1b. ZIP CODE:

73125

2d. STATE OF OPERATOR:

Illinois

2e. ZIP CODE:

60185

NAME OF CORPORATE DIVISION OR PLANT:

Kerr-McGee Chemical Corporation

3b. STREET ADDRESS OF EMISSION SOURCE:

798 Factory St.

CITY OF EMISSION SOURCE:

West Chicago

3d. LOCATED WITHIN CITY

LBATS: ☒ YES ☐ NO

3e. TOWNSHIP:

Winfield

3f. COUNTY:

DuPage

3g. ZIP CODE:

60185

ALL CORRESPONDENCE TO: (NAME OF INDIVIDUAL)

I. L. Denny

5. TELEPHONE NUMBER FOR AGENCY TO CALL:

405-270-3817

ADDRESS FOR CORRESPONDENCE: (CHECK ONLY ONE)

☒ OWNER ☐ OPERATOR ☐ EMISSION SOURCE

7. YOUR ID NUMBER FOR THIS APPLICATION: (C)

STA-583

THIS FORM IS TO BE COMPLETED FOR ANY STATIONARY EMISSION SOURCE THAT WILL RESULT IN THE PRODUCTION OF WASTE MATERIAL THAT MAY BE DISPOSED OF IN A MANNER THAT MAY CAUSE OR TEND TO CAUSE POLLUTION IN ILLINOIS EITHER ALONE OR IN COMBINATION WITH MATTER FROM OTHER SOURCES OR SO AS TO VIOLATE REGULATIONS OR STANDARDS ADOPTED BY THE POLLUTION CONTROL BOARD UNDER THE ENVIRONMENTAL PROTECTION ACT.

ENTER INFORMATION HERE FROM COMPARABLE BLOCK ON APC-200 - "APPLICATION FOR A PERMIT".

ENTER INFORMATION IN ITEM 7 ABOVE SAME AS ITEM 7 APC-200 - "APPLICATION FOR A PERMIT".

IF ADDITIONAL SPACE IS REQUIRED USE ADDITIONAL SHEETS, ATTACH AND IDENTIFY INFORMATION BY APPROPRIATE BLOCK NUMBER AS IT APPEARS ON THIS FORM.

ADDENDUM WILL BE REVIEWED BY THE DIVISION OF LAND POLLUTION CONTROL AND THE OWNER WILL BE NOTIFIED WHETHER OR NOT A PERMITTED APPLICATION FOR A PERMIT WILL NEED TO BE SUBMITTED. THIS FORM APC-103 - "DISPOSITION OF SOLID WASTE" IN ITSELF SHALL NOT BE CONSIDERED TO BE AN APPLICATION FOR A PERMIT. PROPER APPLICATION FOR PERMIT FORMS WILL BE MAILED TO YOU BY THE DIVISION OF LAND POLLUTION CONTROL, IF IT IS DEEMED THAT THE FACILITY REQUIRES A PERMIT.

BRIEFLY DESCRIBE THE PROCESS WHICH WILL RESULT IN THE PRODUCTION OF WASTE MATERIAL:

Ash recovered from Incineration System.

WASTE'S PROPOSED DISPOSAL SITE:

Fine ash and cinders

OR THE WASTE STATE THE CHEMICAL COMPOSITION, EXPRESSED AS WEIGHT PERCENTAGES OF SOLID WASTE OR IN MILLIGRAMS PER LITER OR LIQUIDS:

Not applicable

STATE VOLUME & WEIGHT OF THE WASTE GENERATED BY THIS OPERATION: \* (Pounds)

DAILY 400 /DAY WEEKLY 2,800/WK MONTHLY 12,000 /MO. YEARLY 126,000/YR OTHER EXPLAIN

\*Based on 8,000 pound batch per day.

ALL THE WASTE MATERIAL BE DEPOSITED IN A SANITARY LANDFILL PERMITTED BY THE ENVIRONMENTAL PROTECTION AGENCY?

☐ YES

☒ NO

THE ANSWER TO 10 IS "YES", STATE THE NAME AND AGENCY SUPPLEMENTAL PERMIT NUMBER OF SUCH SITE.

NAME SUPPLEMENTAL PERMIT NO.

ALL THE WASTE MATERIAL BE STORED OR PROCESS AT THE APPLICANT PLANT OR PREMISES?

☒ YES

☐ NO

THE ANSWER TO 12a IS "YES", EXPLAIN.

Material will be stored on site pending approval of the decommissioning and stabilization plan by the U.S. Nuclear Regulatory Commission, (NUREG-0904).

ALL THE WASTE MATERIAL BE TRANSPORTED TO A REMOTE SITE FOR STORAGE, PROCESSING, OR DISPOSAL?

☐ YES

☒ NO

THE ANSWER TO 13a IS "YES", EXPLAIN.

ALL THE WASTE MATERIAL BE INCINERATED?

☐ YES

☒ NO

THE ANSWER TO 14a IS "YES", EXPLAIN.

THE WASTE WILL BE DISPOSED OR UTILIZED IN A MANNER NOT OTHERWISE DESCRIBED, STATE THE METHOD OF UTILIZATION OR DISPOSAL BE USED AND THE OWNER AND LOCATION OF THE DISPOSAL OR PROCESSING FACILITY AND EXPLAIN.

As noted in 12b above.

STATE OF OKLAHOMA     )  
                              )  SS.  
COUNTY OF OKLAHOMA    )

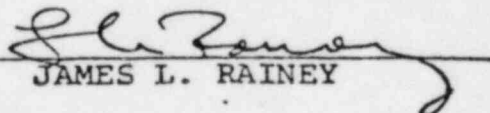
re:  Kerr-McGee Chemical Corporation: West  
     Chicago Facility Incineration System

AFFIDAVIT  
OF  
JAMES L. RAINEY

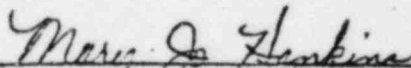
JAMES L. RAINEY, being duly sworn under oath, states as follows:

1.  He is the President of Kerr-McGee Chemical Corporation,  
a wholly-owned subsidiary of Kerr-McGee Corporation, which owns and  
manages a facility located at 798 Factory Street, West Chicago,  
Illinois ("West Chicago facility");
2.  The West Chicago facility is a former rare earths processing  
plant which ceased production in 1973 and is presently licensed by  
the United States Nuclear Regulatory Commission (STA-583);
3.  As the chief executive officer of Kerr-McGee Chemical  
Corporation he is authorized to sign any and all applications (and  
supplements thereto) to cause or allow the construction and operation  
of an incineration system, including air pollution control equipment,  
at the West Chicago facility and he is authorized to designate cer-  
tain employees and agents to sign any and all such applications on  
behalf of Kerr-McGee Chemical Corporation.
4.  He has specifically authorized Ivan L. Denny, Manager-Special  
Projects, Kerr-McGee Chemical Corporation, to sign any and all appli-  
cations (and supplements thereto) to cause or allow the construction  
and operation of an incineration system and air pollution control  
equipment at the West Chicago facility.

FURTHER AFFIANT SAYETH NOT

  
JAMES L. RAINEY

Subscribed and sworn to before me this 19th day of October, 1982.

  
Notary Public

My Commission Expires:  
April 15, 1985

RE: Kerr-McGee Chemical Corporation  
(West Chicago, Illinois facility)  
Incinerator Installation

#### STACK MONITORING

The stack is equipped with three sampling ports located approximately 21 feet or 7 diameters above the exhaust inlet. The three ports are located at 2 levels and enter the stack separated by a 90° angle.

One port will be occupied by a permanent air particulate sampler whose probe is located in an appropriate isokinetic zone of the stack. This zone will be located by measurements with a pitot traverse through each of the ports. Upon determination of the appropriate location, a permanent sampling device will be mounted, continuously removing a representative sample of the exhaust through a 0.3 micron air filter. The filter will be weighed to measure total particulate and subsequently scanned with an alpha counter for the presence of natural thorium and its progeny at a frequency no less often than daily. Analytical data will be logged and available for inspection.

After initial testing, the open probe holes may be used for monitors to determine the gas content of the exhaust air.