



## KERR-MCGEE CORPORATION

KERR-MCGEE CENTER • OKLAHOMA CITY, OKLAHOMA 73125

ENVIRONMENT AND HEALTH MANAGEMENT DIVISION

January 19, 1982

Mr. J. A. Hind, Director  
Division of Emergency Preparedness & Operational Support  
U. S. Nuclear Regulatory Commission  
Region III  
799 Roosevelt Road  
Glen Ellyn, Illinois 60137

Dear Mr. Hind:

The latest NRC-Region III safety inspection of the Kerr-McGee West Chicago facility on June 26-30, July 15, July 22, and August 10, 1981, resulted in finding no items of non-compliance. However, three recommendations to augment the health physics and safety programs were made. Listed below are those recommendations and the actions taken by Kerr-McGee Chemical Corporation.

1. Secure Building 21 where hazardous chemicals are stored.

A chain link fence gate was installed covering the overhead door access to the building and has been locked. In addition, all other building doorways have been sealed to bar any unauthorized entry. The securing of Building 21 was duly noted on the July 15 inspection.

2. Conduct training for off-site emergency agencies, i.e., West Chicago Fire Department and Central DuPage Hospital personnel.

Kerr-McGee conducted a radiological training course on September 21, 1981 at the West Chicago Fire Department for fire fighting and paramedical personnel. A total of 24 firemen attended and copies of acknowledgement forms signed by each attendee are on file at the Kerr-McGee site offices.

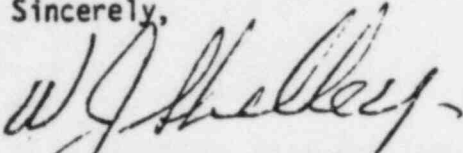
3. Establish a written agreement with Central DuPage Hospital for injured personnel treatment.

A meeting was held with representatives of Central DuPage Hospital and Kerr-McGee (S. C. Munson and E. R. Goltra, M.D.) personnel on September 18, 1981. The meeting resulted in a general agreement for treatment of personnel injured at the plant and incorporated appropriate health physics procedures. Central DuPage Hospital issued a letter January 5, 1982 noting that proper instrumentation was available and that they would treat injured personnel from the plant. A copy of the letter is attached.

Mr. J. A. Hind, Director  
January 19, 1982  
Page Two

Kerr-McGee feels that the actions taken fully address NRC Region  
III's recommendations.

Sincerely,

A handwritten signature in dark ink, appearing to read "W. J. Shelley". The signature is fluid and cursive, with a long horizontal stroke extending to the right.

W. J. Shelley, Vice-President  
Nuclear Licensing and Regulations

WJS/ba

cc: W. A. Nixon



January 5, 1982

Mr. Scott C. Munson,  
Health Physicist  
Kerr-McGee Chemical Corporation  
798 Factory Street  
West Chicago, Illinois 60185

Dear Mr. Munson:

In keeping with your letter of December 16, 1981 and our subsequent meeting of December 17, 1981, Central DuPage Hospital has available a decontamination kit, Alpha Survey meter and appropriate guidelines for handling Thorium contaminated personnel from the Kerr-McGee Chemical facility.

The appropriate staff of Central DuPage Hospital will accept and treat ill or injured personnel from the Kerr-McGee facility as the need requires.

Sincerely,

*Dennis A. Baker M.D.*  
Dennis A. Baker, M.D.  
Director of Radiology  
and Nuclear Medicine

*George Holzhauser*  
George Holzhauser  
Vice President  
Professional Services  
Central DuPage Hospital

DAB:mm

RECEIVED  
JAN 14 1982  
I. L. DENNY

c.c. I.L.D.

CENTRAL DUPAGE HOSPITAL 11 NORTH 025 WINFIELD ROAD, WINFIELD, ILLINOIS 60190 TELEPHONE 682-1600



**KERR-McGEE CORPORATION**

KERR-McGEE CENTER • OKLAHOMA CITY, OKLAHOMA 73125

ENVIRONMENT AND HEALTH MANAGEMENT DIVISION

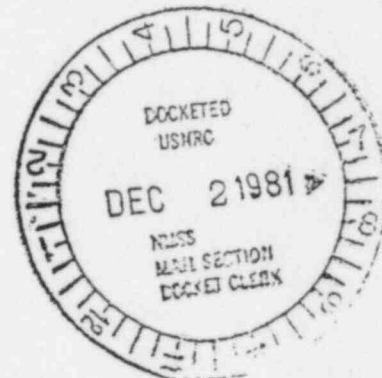
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PRINCIPAL STAFF	
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November 4, 1981

CERTIFIED MAIL - RETURN RECEIPT REQUESTED

Mr. William A. Nixon  
Uranium Process Licensing Section  
Uranium Fuel Licensing Branch  
Division of Fuel Cycle and Material Safety  
US Nuclear Regulatory Commission  
Washington, D. C. 20555



Dear Mr. Nixon:

Kerr-McGee has recently completed a program to replace all battery powered MSA pumps with AC powered Eberline pumps at the site perimeter environmental air particulate monitoring stations. Replacement with the new pumps adds greatly to sampling reliability and improves the resultant data. The equipment replacement was also recommended by personnel from NRC Region III for the same reasons.

In order to supply reliable power to all nine stations, equipment at locations 1, 5, and 6 was moved to the new sites identified in the attached figure.

Relocation of these stations from their old positions is not expected to produce any change in observed levels since the equipment monitors long-lived natural thorium airborne particulate levels around the facility area. Our past data has shown these concentrations to be consistently low and within 10 CFR Part 20 allowable levels. This change does not affect routine monitoring for short-lived thorium chain daughters as these are determined by other methods.

We would be happy to discuss any questions you may have concerning this change or other aspects of our monitoring program.

Sincerely,

*W. J. Shelley*  
W. J. Shelley, Vice President  
Nuclear Licensing & Regulations

WJS/ba

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*info only*

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DEC 10 1981

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DISTRIBUTION LIST

Kerr-McGee -- Docket No. 40-2061

The Honorable A. E. Rennels  
Mayor of the City of West Chicago  
475 Main Street  
West Chicago, Illinois 60185

The Honorable Dean Hansell  
Assistant Attorney General  
State of Illinois  
Suite 2315  
188 West Randolph Street  
Chicago, Illinois 60601

Illinois Environmental Protection Agency  
ATTN: Mr. John S. Moor, Manager  
Division of Land/Noise  
Pollution Control  
2200 Churchill Road  
Springfield, Illinois 62706

Illinois Environmental Protection Agency  
ATTN: Mr. William C. Child, Manager  
Land Field Operations Section  
Division of Land/Noise Pollution Control  
2200 Churchill Road  
Springfield, Illinois 62706

Illinois Environmental Protection Agency  
ATTN: Mr. Rauf Piskin  
2200 Churchill Road  
Springfield, Illinois 62706

U.S. Environmental Protection Agency  
Region V  
ATTN: Mr. William D. Franz, Project Manager  
Environmental Impact Review Staff  
230 South Dearborn Street  
Chicago, Illinois 60604

U.S. Environmental Protection Agency  
Region V  
ATTN: Mr. Larry Jensen  
230 South Dearborn Street, 5 AHWM  
Chicago, Illinois 60604

Illinois Department of Public Health  
ATTN: Mr. Gary Wright  
Division of Nuclear Safety  
535 West Jefferson  
Springfield, Illinois 62721

Illinois State Geological Survey  
ATTN: Mr. Keros Cartwright  
Natural Resources Building  
Urbana, Illinois 61801

Radiation Safety Services, Inc.  
ATTN: Dr. Eli A. Port  
827 Simpson Street  
Evanston, Illinois 60201

Kerr-McGee Chemical Corporation  
ATTN: Mr. I. L. Denny  
Kerr-McGee Center  
Oklahoma City, Oklahoma 73125

Argonne National Laboratory  
ATTN: Mr. J. L. Saguinsin  
Building 11  
Argonne, Illinois 60439

U.S. Nuclear Regulatory Commission  
Office of Inspection and Enforcement  
Region III  
ATTN: Mr. A. B. Davis, Chief  
Fuel Facility and Material  
Safety Branch  
799 Roosevelt Road  
Glen Ellyn, Illinois 60137

Shaw, Pittman, Potts & Trowbridge  
ATTN: Mr. John Rhineland  
1800 M Street, N.W.  
Washington, D.C. 20036

West Chicago Public Library  
ATTN: Ms. Kay Sauer, Head Librarian  
332 E. Washington Street  
West Chicago, Illinois 60185

Betty Jankus  
EPA, OER, 2119 M  
401 M Street, S.W.  
Washington, D.C. 20460

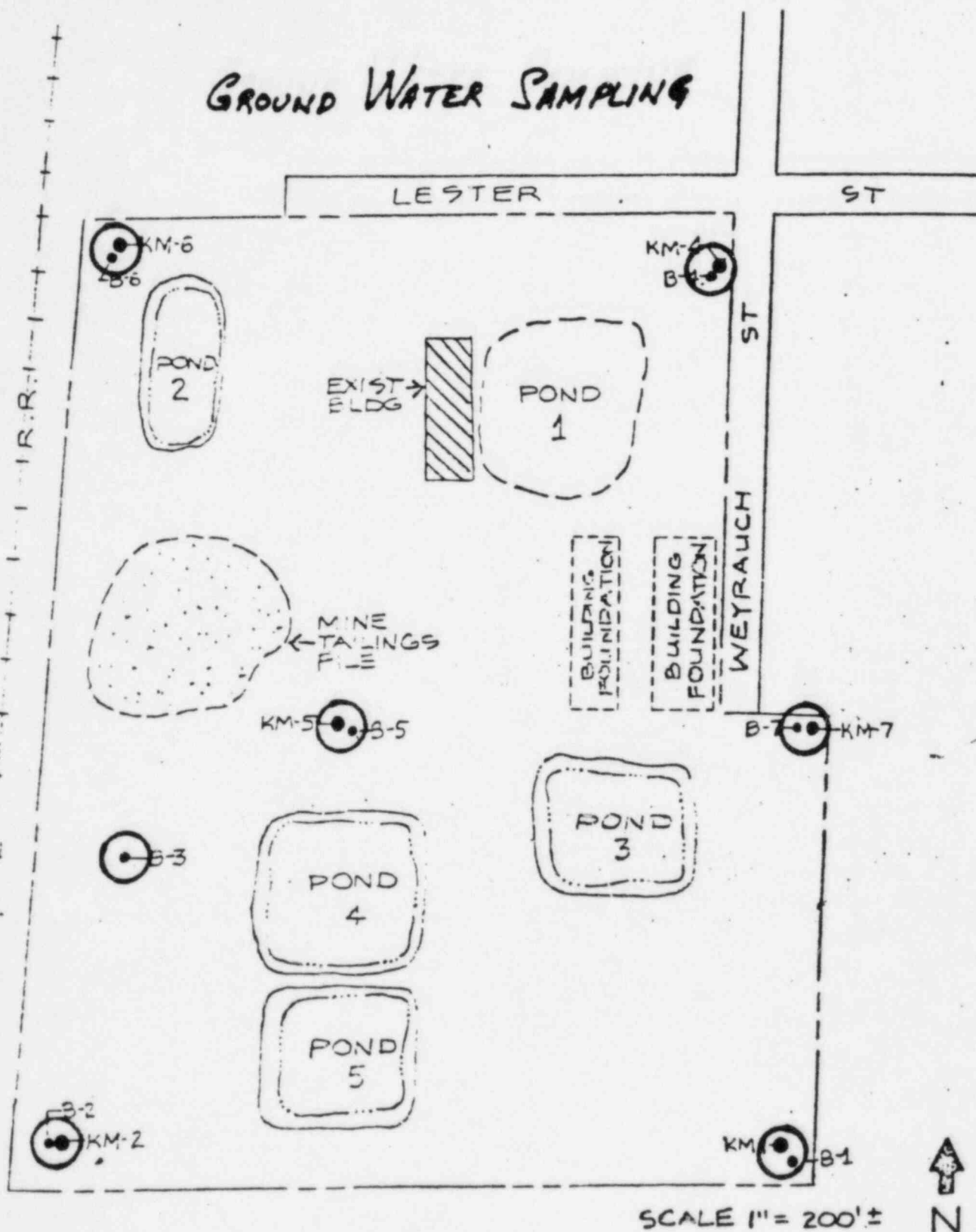
Mr. Harold Spelman  
200 High Street  
P.O. Box 190  
West Chicago, Illinois 60185

February 17, 1981

DEC 10 1981



## GROUND WATER SAMPLING



KERR-McGEE CHEMICAL CORPORATION  
WEST CHICAGO DISPOSAL SITE

**KERR-MCGEE**

KERR-MCGEE CENTER • OKLAHOMA CITY, OKLAHOMA 73125

ENVIRONMENT AND HEALTH MANAGEMENT DIVISION

December 6, 1983

CERTIFIED MAIL  
RETURN RECEIPT REQUESTED

C.J. Paperiello, Chief  
Emergency Preparedness and  
Radiological Safety Branch  
U.S. Nuclear Regulatory Commission  
Region III  
799 Roosevelt Road  
Glen Ellyn, Illinois 60137

PRINCIPAL STAFF			
RA		DPRP	
RA		DE	
RA		DRMSE	
RA		DRMA	
RAO		SCS	
RA		ML	
RA		File	

Dear Dr. Paperiello:

This letter is being written to notify you of a modification in our air sampling program at the West Chicago Facility. As you are aware, site personnel collect air samples on a 24-hour basis to determine airborne Pb-212 and long-lived activity. A technician has collected and analyzed air samples daily, including weekends and holidays. A new sampling system has been developed and will be used to monitor airborne activity on weekends and holidays at eight air monitoring stations.

The new system consists of four filter holders with solenoid valves, controlled by a circuit timer/controller. Samples will be collected using this system at 24-hour intervals at air sampling stations 3, 4, 5, 6, 10, 11, 14, and 15. Both Pb-212 and long-lived activity will be determined at these stations. We have calculated and verified by measurement that 10 percent of unrestricted MPC (Pb-212) can be measured after 72 hours. Existing samplers will be used at the other stations to collect one sample for the period, which will be analyzed for long-lived activity only.

This new air sampling program will provide the monitoring results required while reducing the burden of weekend and holiday sampling for health physics personnel at West Chicago.

Sincerely,

W.J. Shelley, Vice President  
Nuclear Licensing & Regulation

WJS/br

DEC 9 1983

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