



STATE OF NEW MEXICO

ENVIRONMENTAL IMPROVEMENT DIVISION
P.O. Box 968, Santa Fe, New Mexico 87503
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03 JUN 1981

CERTIFIED MAIL-RETURN RECEIPT REQUESTED

April 7, 1981



Mr. W. J. Shelley
Kerr-McGee Nuclear Corp.
P. O. Box 25861
Oklahoma City, Oklahoma 73125

RE: NPDES Compliance Evaluation Inspection (CEI) performed at Rio Puerco Mine, NM0028169, on March 20, 1981

Dear Mr. Shelley:

Enclosed is the CEI report on Kerr McGee Rio Puerco Mine submitted to the U.S. Environmental Protection Agency.

Should you have any questions regarding this inspection, please feel free to contact me.

Sincerely,

Anthony Drypolcher

Anthony Drypolcher
Surface Water Section

AD:lm

Enclosure

cc: William Bennett, NMEID District I Manager
Charles Gazda, USEPA, 6ASASC

9803160421 810407
PDR ADOCK 04008905
C PDR

SECTION F - Facility and Permit Background

ADDRESS OF PERMITTEE IF DIFFERENT FROM FACILITY
(Including City, County and ZIP code)

Kerr McGee Nuclear Corp. Rio Puerco Mine
P. O. Box 25861
Oklahoma City, Oklahoma 73125

DATE OF LAST PREVIOUS INVESTIGATION BY EPA/STATE

None

FINDINGS

None

SECTION G - Records and Reports

RECORDS AND REPORTS MAINTAINED AS REQUIRED BY PERMIT.

☐ YES

☐ NO

☐ N/A (Further explanation attached Yes)

DETAILS:

(a) ADEQUATE RECORDS MAINTAINED OF:

(i) SAMPLING DATE, TIME, EXACT LOCATION

☐ YES

☐ NO

☐ N/A

(ii) ANALYSES DATES, TIMES

☐ YES

☐ NO

☐ N/A

(iii) INDIVIDUAL PERFORMING ANALYSIS

☐ YES

☐ NO

☐ N/A

(iv) ANALYTICAL METHODS/TECHNIQUES USED

☐ YES

☐ NO

☐ N/A

(v) ANALYTICAL RESULTS (e.g., consistent with self-monitoring report data)

☐ YES

☐ NO

☐ N/A

(b) MONITORING RECORDS (e.g., flow, pH, D.O., etc.) MAINTAINED FOR A MINIMUM OF THREE YEARS INCLUDING ALL ORIGINAL STRIP CHART RECORDINGS (e.g., continuous monitoring instrumentation, calibration and maintenance records).

☐ YES

☐ NO

☐ N/A

(c) LAB EQUIPMENT CALIBRATION AND MAINTENANCE RECORDS KEPT.

☐ YES

☐ NO

☐ N/A

(d) FACILITY OPERATING RECORDS KEPT INCLUDING OPERATING LOGS FOR EACH TREATMENT UNIT.

☐ YES

☐ NO

☐ N/A

(e) QUALITY ASSURANCE RECORDS KEPT.

☐ YES

☐ NO

☐ N/A

(f) RECORDS MAINTAINED OF MAJOR CONTRIBUTING INDUSTRIES (and their compliance status) USING PUBLICLY OWNED TREATMENT WORKS.

☐ YES

☐ NO

☐ N/A

SECTION H - Permit Verification

INSPECTION OBSERVATIONS VERIFY THE PERMIT.

☐ YES

☐ NO

☐ N/A (Further explanation attached)

DETAILS:

(a) CORRECT NAME AND MAILING ADDRESS OF PERMITTEE.

☐ YES

☐ NO

☐ N/A

(b) FACILITY IS AS DESCRIBED IN PERMIT.

☐ YES

☐ NO

☐ N/A

(c) PRINCIPAL PRODUCT(S) AND PRODUCTION RATES CONFORM WITH THOSE SET FORTH IN PERMIT APPLICATION.

☐ YES

☐ NO

☐ N/A

(d) TREATMENT PROCESSES ARE AS DESCRIBED IN PERMIT APPLICATION.

☐ YES

☐ NO

☐ N/A

(e) NOTIFICATION GIVEN TO EPA/STATE OF NEW, DIFFERENT OR INCREASED DISCHARGES.

☐ YES

☐ NO

☐ N/A

(f) ACCURATE RECORDS OF RAW WATER VOLUME MAINTAINED.

☐ YES

☐ NO

☐ N/A

(g) NUMBER AND LOCATION OF DISCHARGE POINTS ARE AS DESCRIBED IN PERMIT.

☐ YES

☐ NO

☐ N/A

(h) CORRECT NAME AND LOCATION OF RECEIVING WATERS.

☐ YES

☐ NO

☐ N/A

(i) ALL DISCHARGES ARE PERMITTED.

☐ YES

☐ NO

☐ N/A

SECTION I - Operation and Maintenance

TREATMENT FACILITY PROPERLY OPERATED AND MAINTAINED.

☐ YES

☐ NO

☐ N/A (Further explanation attached)

DETAILS:

(a) STANDBY POWER OR OTHER EQUIVALENT PROVISIONS PROVIDED.

☐ YES

☐ NO

☐ N/A

(b) ADEQUATE ALARM SYSTEM FOR POWER OR EQUIPMENT FAILURES AVAILABLE.

☐ YES

☐ NO

☐ N/A

(c) REPORTS ON ALTERNATE SOURCE OF POWER SENT TO EPA/STATE AS REQUIRED BY PERMIT.

☐ YES

☐ NO

☐ N/A

(d) SLUDGES AND SOLIDS ADEQUATELY DISPOSED.

☐ YES

☐ NO

☐ N/A

(e) ALL TREATMENT UNITS IN SERVICE.

☐ YES

☐ NO

☐ N/A

(f) CONSULTING ENGINEER RETAINED OR AVAILABLE FOR CONSULTATION ON OPERATION AND MAINTENANCE PROBLEMS.

☐ YES

☐ NO

☐ N/A

(g) QUALIFIED OPERATING STAFF PROVIDED.

☐ YES

☐ NO

☐ N/A

(h) ESTABLISHED PROCEDURES AVAILABLE FOR TRAINING NEW OPERATORS.

☐ YES

☐ NO

☐ N/A

(i) FILES MAINTAINED ON SPARE PARTS INVENTORY, MAJOR EQUIPMENT SPECIFICATIONS, AND PARTS AND EQUIPMENT SUPPLIERS.

☐ YES

☐ NO

☐ N/A

(j) INSTRUCTIONS FILES KEPT FOR OPERATION AND MAINTENANCE OF EACH ITEM OF MAJOR EQUIPMENT.

☐ YES

☐ NO

☐ N/A

(k) OPERATION AND MAINTENANCE MANUAL MAINTAINED.

☐ YES

☐ NO

☐ N/A

(l) SPCC PLAN AVAILABLE.

☐ YES

☐ NO

☐ N/A

(m) REGULATORY AGENCY NOTIFIED OF BY PASSING. (Dates)

☐ YES

☐ NO

☐ N/A

(n) ANY BY-PASSING SINCE LAST INSPECTION.

☐ YES

☐ NO

☐ N/A

(o) ANY HYDRAULIC AND/OR ORGANIC OVERLOADS EXPERIENCED.

☐ YES

☐ NO

☐ N/A

TRANSACTION CODE		NPDES					YR	MO	DA	TYPE	TOR	TYPE	TIME	
1	5	3			11	12		17	18	19	20		a.m.	p.m.
REMARKS														

21	64													
ADDITIONAL														

SECTION A - Permit Summary														
NAME AND ADDRESS OF FACILITY (Include County, State and ZIP code)												EXPIRATION DATE		
Nuclear Corp. Via Puerto Rico - Sandoval County 11111 01050												12-31-2000 12-27-1999		
RESPONSIBLE OFFICIAL						TITLE			PHONE					
						Nuclear Corp. Liaison Officer			770-2700					
FACILITY REPRESENTATIVE						TITLE			PHONE					
						Nuclear Corp. Liaison Officer			770-2700					

SECTION B - Effluent Characteristics (Additional sheets attached _____)					
PARAMETER/OUTFALL		MINIMUM	AVERAGE	MAXIMUM	ADDITIONAL
1	SAMPLE MEASUREMENT		1.0		Sample taken from well current
	PERMIT REQUIREMENT				1.0 - 10.0 mg/L by Henry McGee
2	SAMPLE MEASUREMENT		2.0	1.0	April 6-20, 1999
	PERMIT REQUIREMENT		2.0	10.0	
3	SAMPLE MEASUREMENT		2.0	1.0	
	PERMIT REQUIREMENT		2.0	1.0	
4	SAMPLE MEASUREMENT		10.0	10.0	
	PERMIT REQUIREMENT		10.0	10.0	
5	SAMPLE MEASUREMENT				
	PERMIT REQUIREMENT				

SECTION C - Facility Evaluation (S = Satisfactory, U = Unsatisfactory, N/A = Not applicable)			
EFFLUENT WITHIN PERMIT REQUIREMENTS	OPERATION AND MAINTENANCE	SAMPLING PROCEDURES	
RECORDS AND REPORTS	COMPLIANCE SCHEDULE	LABORATORY PRACTICES	
PERMIT VERIFICATION	FLOW MEASUREMENTS	OTHER:	

SECTION D - Comments			ENFORCEMENT DIVISION USE ONLY COMPLIANCE STATUS <input type="checkbox"/> COMPLIANCE <input type="checkbox"/> NONCOMPLIANCE
SECTION E - Inspection/Review			
SIGNATURES	AGENCY	DATE	
INSPECTED BY		3-26-01	
INSPECTED BY		5-21-01	
REVIEWED BY			

SECTION J - Compliance Schedules

PERMITTEE IS MEETING COMPLIANCE SCHEDULE.

☐ YES ☐ NO ☐ N/A (Further explanation attached _____)

CHECK APPROPRIATE PHASE(S):

- ☐ (a) THE PERMITTEE HAS OBTAINED THE NECESSARY APPROVALS FROM THE APPROPRIATE AUTHORITIES TO BEGIN CONSTRUCTION.
- ☐ (b) PROPER ARRANGEMENT HAS BEEN MADE FOR FINANCING (mortgage commitments, grants, etc.).
- ☐ (c) CONTRACTS FOR ENGINEERING SERVICES HAVE BEEN EXECUTED.
- ☐ (d) DESIGN PLANS AND SPECIFICATIONS HAVE BEEN COMPLETED.
- ☐ (e) CONSTRUCTION HAS COMMENCED.
- ☐ (f) CONSTRUCTION AND/OR EQUIPMENT ACQUISITION IS ON SCHEDULE.
- ☐ (g) CONSTRUCTION HAS BEEN COMPLETED.
- ☐ (h) START-UP HAS COMMENCED.
- ☐ (i) THE PERMITTEE HAS REQUESTED AN EXTENSION OF TIME.

SECTION K - Self-Monitoring Program

Part 1 - Flow measurement (Further explanation attached _____)

PERMITTEE FLOW MEASUREMENT MEETS THE REQUIREMENTS AND INTENT OF THE PERMIT.
DETAILS:☐ YES ☐ NO ☐ N/A

(a) PRIMARY MEASURING DEVICE PROPERLY INSTALLED.

☐ YES ☐ NO ☐ N/ATYPE OF DEVICE: ☐ WEIR ☐ PARSHALL FLUME ☐ MAGMETER ☐ VENTURI METER ☐ OTHER (Specify _____)

(b) CALIBRATION FREQUENCY ADEQUATE. (Date of last calibration _____)

☐ YES ☐ NO ☐ N/A

(c) PRIMARY FLOW MEASURING DEVICE PROPERLY OPERATED AND MAINTAINED.

☐ YES ☐ NO ☐ N/A

(d) SECONDARY INSTRUMENTS (totalizers, recorders, etc.) PROPERLY OPERATED AND MAINTAINED.

☐ YES ☐ NO ☐ N/A

(e) FLOW MEASUREMENT EQUIPMENT ADEQUATE TO HANDLE EXPECTED RANGES OF FLOW RATES.

☐ YES ☐ NO ☐ N/A

Part 2 - Sampling (Further explanation attached _____)

PERMITTEE SAMPLING MEETS THE REQUIREMENTS AND INTENT OF THE PERMIT.
DETAILS:☐ YES ☐ NO ☐ N/A

(a) LOCATIONS ADEQUATE FOR REPRESENTATIVE SAMPLES.

☐ YES ☐ NO ☐ N/A

(b) PARAMETERS AND SAMPLING FREQUENCY AGREE WITH PERMIT.

☐ YES ☐ NO ☐ N/A

(c) PERMITTEE IS USING METHOD OF SAMPLE COLLECTION REQUIRED BY PERMIT.

☐ YES ☐ NO ☐ N/AIF NO, ☐ GRAB ☐ MANUAL COMPOSITE ☐ AUTOMATIC COMPOSITE FREQUENCY _____

(d) SAMPLE COLLECTION PROCEDURES ARE ADEQUATE.

☐ YES ☐ NO ☐ N/A

(i) SAMPLES REFRIGERATED DURING COMPOSITING

☐ YES ☐ NO ☐ N/A

(ii) PROPER PRESERVATION TECHNIQUES USED

☐ YES ☐ NO ☐ N/A

(iii) FLOW PROPORTIONED SAMPLES OBTAINED WHERE REQUIRED BY PERMIT

☐ YES ☐ NO ☐ N/A

(iv) SAMPLE HOLDING TIMES PRIOR TO ANALYSES IN CONFORMANCE WITH 40 CFR 136.3

☐ YES ☐ NO ☐ N/A

(e) MONITORING AND ANALYSES BEING PERFORMED MORE FREQUENTLY THAN REQUIRED BY PERMIT.

☐ YES ☐ NO ☐ N/A

(f) IF (e) IS YES, RESULTS ARE REPORTED IN PERMITTEE'S SELF-MONITORING REPORT.

☐ YES ☐ NO ☐ N/A

Part 3 - Laboratory (Further explanation attached _____)

PERMITTEE LABORATORY PROCEDURES MEET THE REQUIREMENTS AND INTENT OF THE PERMIT.
DETAILS:☐ YES ☐ NO ☐ N/A

(a) EPA APPROVED ANALYTICAL TESTING PROCEDURES USED. (40 CFR 136.3)

☐ YES ☐ NO ☐ N/A

(b) IF ALTERNATE ANALYTICAL PROCEDURES ARE USED, PROPER APPROVAL HAS BEEN OBTAINED.

☐ YES ☐ NO ☐ N/A

(c) PARAMETERS OTHER THAN THOSE REQUIRED BY THE PERMIT ARE ANALYZED.

☐ YES ☐ NO ☐ N/A

(d) SATISFACTORY CALIBRATION AND MAINTENANCE OF INSTRUMENTS AND EQUIPMENT.

☐ YES ☐ NO ☐ N/A

(e) QUALITY CONTROL PROCEDURES USED.

☐ YES ☐ NO ☐ N/A

(f) DUPLICATE SAMPLES ARE ANALYZED, _____ % OF TIME.

☐ YES ☐ NO ☐ N/A

(g) SPIKED SAMPLES ARE USED, _____ % OF TIME.

☐ YES ☐ NO ☐ N/A

(h) COMMERCIAL LABORATORY USED.

☐ YES ☐ NO ☐ N/A

(i) COMMERCIAL LABORATORY STATE CERTIFIED.

☐ YES ☐ NO ☐ N/A

LAB NAME _____

LAB ADDRESS _____

SECTION L - Effluent/Receiving Water Observations (Further explanation attached _____)

OUTFALL NO.	OIL SHEEN	GREASE	TURBIDITY	VISIBLE FOAM	VISIBLE FLOAT SOL	COLOR	OTHER
001	No discharge at the time of inspection						

(Sections M and N: Complete as appropriate for sampling inspections)

SECTION M - Sampling Inspection Procedures and Observations (Further explanation attached _____)

- ☐ GRAB SAMPLES OBTAINED
☐ COMPOSITE OBTAINED
☐ FLOW PROPORTIONED SAMPLE
☐ AUTOMATIC SAMPLER USED
☐ SAMPLE SPLIT WITH PERMITTEE
☐ CHAIN OF CUSTODY EMPLOYED
☐ SAMPLE OBTAINED FROM FACILITY SAMPLING DEVICE

COMPOSITING FREQUENCY _____ PRESERVATION _____

SAMPLE REFRIGERATED DURING COMPOSITING: ☐ YES ☐ NO

SAMPLE REPRESENTATIVE OF VOLUME AND NATURE OF DISCHARGE _____

SECTION N - Analytical Results (Attach report if necessary)

KERR MCGEE NUCLEAR CORP. RIO PUERCO MINE
COMPLIANCE INSPECTION REPORT
FURTHER EXPLANATION

The Kerr McGee Rio Puerco Mine, NPDES Permit No. NM0028169, is on a standby status and has discontinued discharging mine water from outfall 001 as of February 14, 1980. Please see the attached letter addressed to Mrs. Maxine Goad from Mr. W. J. Shelley.

On March 17, 1981, NMEID personnel contacted Mr. Jim Cleveland, Kerr McGee's representative in Milan, New Mexico, about current information on the Rio Puerco Mine. He informed us that only a security guard was on duty at the mine site and that all NPDES permit related records had been sent to Kerr McGee's main corporate office in Oklahoma City. This information as well as the no-discharge status by Mr. Anthony Drypolcher and Charles Nylander by an on-site inspection of the mine (see attached photos) on March 20, 1981.



KERR-MCGEE NUCLEAR CORPORATION

KERR-MCGEE CENTER • OKLAHOMA CITY, OKLAHOMA 73125

February 19, 1980

New Mexico Environmental Improvement
Division
Box 968, Crown Building
Santa Fe, New Mexico 87503

Attn: Maxine Goad

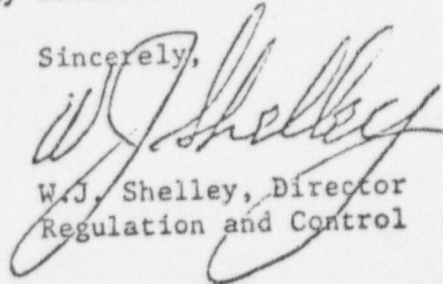
Dear Ms. Goad:

The purpose of this letter is to notify you that we have placed the Rio Puerco Mine in standby and discontinued pumping water as of February 14, 1980. The mine will remain in standby until such time as the market forces results in an improved market for uranium recovery.

During the standby period we plan to discontinue submitting the quarterly report required by our groundwater discharge plant. We will, of course, notify you of our intentions to reopen the mine at least 90 days prior to such reopening.

Please let me know if I can supply additional or more detailed information.

Sincerely,



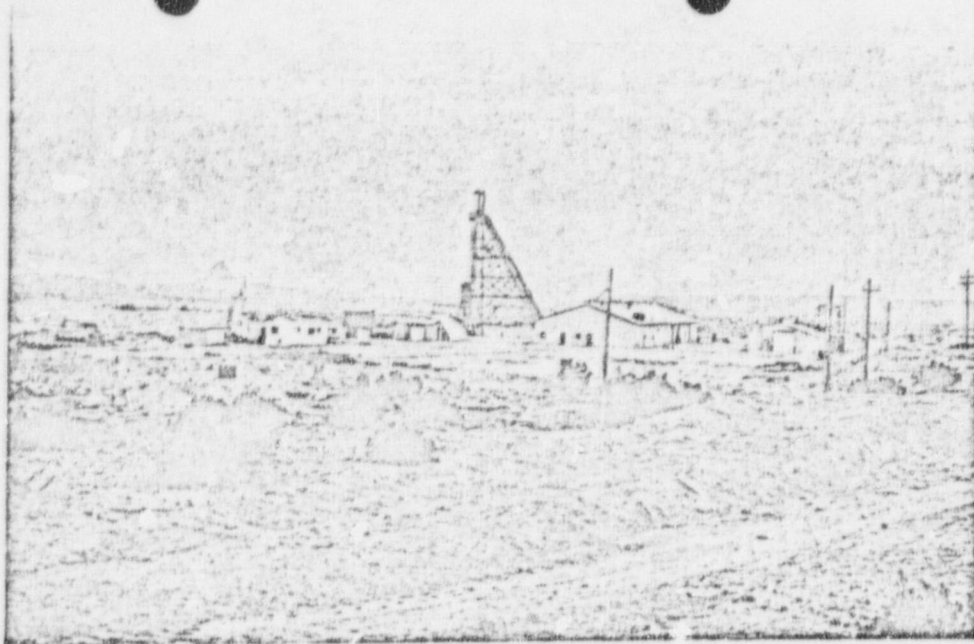
W.J. Shelley, Director
Regulation and Control

WJS:jw

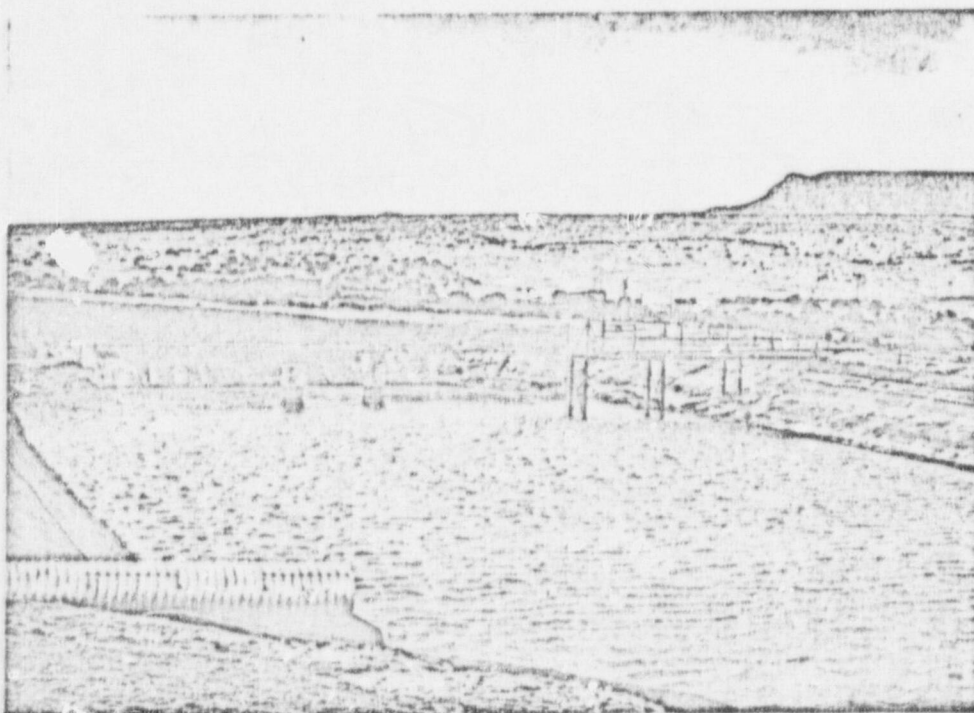
RECEIVED

FEB 21 1980

EID: WATER
POLLUTION CONTROL



Kerr McGee, Rio Puerco Mine on March 20, 1981. Verifying the stand-by status at their facility.



Kerr McGee, Rio Puerco Mine on March 20, 1981. The picture shows the last segmentation ponded, note the two decant columns well above the water level. There has been no discharge from this mine in the last three quarters of 1980.