

NRC FORM 786

171 B
NRC 06/7

U.S. NUCLEAR REGULATORY COMMISSION

PRINCIPAL INSPECTOR (Name, SSN, and mobile phone)

N. M. SHOPENN

INSPECTOR'S REPORT
Office of Inspection and Enforcement

REVIEWER

E. F. HAWKINS

INSPECTORS

N. M. SHOPENN

R. F. BRICH

LICENSEE/VENDOR	TRANSACTION TYPE	DOCKET NO. (8 digits) OR LICENSE NO. (8 BY PRODUCT) (113 digits)	REPORT NO	SEQ	MO	YR
TENNESSEE VALLEY AUTHORITY	<input checked="" type="checkbox"/> I - INSERT <input type="checkbox"/> M - MODIFY <input type="checkbox"/> D - DELETE <input type="checkbox"/> R - REPLACE	04001341	8501	A	05	86

PERIOD OF INVESTIGATION/INSPECTION	INSPECTION PERFORMED BY	ORGANIZATION CODE OF REGION/HQ CONDUCTING ACTIVITY (See NRC 0530: Manpower Reporting - Weekly Manpower Reporting for code)
FROM: MO DAY YR 04 16 85 TO: MO DAY YR 04 26 85	<input checked="" type="checkbox"/> 1 - REGIONAL OFFICE STAFF <input type="checkbox"/> 2 - RESIDENT INSPECTOR <input type="checkbox"/> 3 - PERFORMANCE APPRAISAL TEAM OTHER:	REGION: 4 DIVISION: 4 BRANCH: 1

REGIONAL ACTION (Check one box only)	TYPE OF ACTIVITY CONDUCTED (Check one box only)		
<input checked="" type="checkbox"/> 1 - NRC FORM 581 <input type="checkbox"/> 2 - REGIONAL OFFICE LETTER	<input checked="" type="checkbox"/> 02 - SAFETY <input type="checkbox"/> 03 - INCIDENT <input type="checkbox"/> 04 - ENFORCEMENT <input type="checkbox"/> 05 - MGMT. AUDIT	<input type="checkbox"/> 06 - MGMT VISIT <input type="checkbox"/> 07 - SPECIAL <input type="checkbox"/> 08 - VENDOR <input type="checkbox"/> 09 - MAT ACCT	<input type="checkbox"/> 10 - PLANT SEC <input type="checkbox"/> 11 - INVENT VER <input type="checkbox"/> 12 - SHIPMENT/EXPORT <input type="checkbox"/> 13 - IMPORT <input type="checkbox"/> 14 - INQUIRY <input type="checkbox"/> 15 - INVESTIGATION

INSPECTION INVESTIGATION FINDINGS (Check one box only)	TOTAL NUMBER OF VIOLATIONS AND DEVIATIONS	ENFORCEMENT CONFERENCE HELD	REPORT CONTAIN 27K INFORMATION	LETTER OR REPORT TRANSMITTAL DATE
<input checked="" type="checkbox"/> A <input type="checkbox"/> B <input type="checkbox"/> C <input type="checkbox"/> D 1 - CLEAR 2 - VIOLATION 3 - DEVIATION 4 - VIOLATION & DEVIATION	A B C D 0 8	A B C D 1 - YES	A B C D 1 - YES	NRC FORM 581 OR REG LETTER ISSUED MO DAY YR 06 06 85

MODULE INFORMATION										MODULE INFORMATION																	
REC ORD	MODULE NUMBER INSP				PRIORITY	DIRECT INSPECTION EFFORTS IN STAFF HOURS EXPENDED THIS INSPECTION	PERCENTAGE COMPLETED TO DATE	STATUS	MODULE REQ FOLLOWUP				REC ORD	MODULE NUMBER INSP				PRIORITY	DIRECT INSPECTION EFFORTS IN STAFF HOURS EXPENDED THIS INSPECTION	PERCENTAGE COMPLETED TO DATE	STATUS	MODULE REQ FOLLOWUP					
TYPE	NUMBER	PHASE	MANUAL	CHAPTER	PROCEDURE	NUMBER	LEVEL	SEQ	PHASE	MANUAL	CHAPTER	PROCEDURE	NUMBER	LEVEL	SEQ	TYPE	NUMBER	PHASE	MANUAL	CHAPTER	PROCEDURE	NUMBER	LEVEL	SEQ			
	5	3	0	7	0	3	B	A	0.03	1.00	C						5	8	8	0	2	5	B	A	0.04	1.00	C
Management Entrance/Exit Interviews										Maintenance/Surveillance Testing																	
	5	8	8	0	0	5	B	A	0.08	1.00	C						5	8	3	8	2	2	B	A	0.07	1.00	C
Management Organization and Controls										Radiation Protection																	
	5	8	8	0	1	0	B	A	0.01	1.00	C						5	8	8	0	3	5	B	A	0.02	1.00	C
Operator Training/Retraining										Radioactive Waste Management																	
	5	8	8	0	2	0	B	A	0.03	1.00	C						5	8	6	7	4	0	B	A	0.01	1.00	C
Operations Review										Transportation of Radioactive Materials																	

8506200402 850606
PDR ADOCK 04001341
PDR

JEOT

U.S. NUCLEAR REGULATORY COMMISSION

PRINCIPAL INSPECTOR (Name, SSN, Org, and Middle Initial)

NRC FORM 700
(11/81)
U.S. NRC 0531INSPECTOR'S REPORT
Office of Inspection and Enforcement

REVIEWER

INSPECTORS

LICENSEE/VENDOR	TRANSACTION TYPE	DOCKET NO. (8 digits) OR LICENSE NO. (BY PRODUCT) (113 digits)	REPORT		NEXT INSP DATE	
			NO	SEQ	MO	YR
	I - INSERT	04001341	8501	A		
	M - MODIFY			B		
	D - DELETE			C		
	R - REPLACE			D		

PERIOD OF INVESTIGATION/INSPECTION						INSPECTION PERFORMED BY						ORGANIZATION CODE OF REGION/HQ CONDUCTING ACTIVITY (See NRC 0530 "Manpower Reporting - Weekly Manpower Reporting" for code)		
FROM			TO									REGION		
MO	DAY	YR	MO	DAY	YR	1 - REGIONAL OFFICE STAFF 2 - RESIDENT INSPECTOR 3 - PERFORMANCE APPRAISAL TEAM						DIVISION		
												4		

REGIONAL ACTION (Check one box only)		TYPE OF ACTIVITY CONDUCTED (Check one box only)			
1 - NRC FORM 501		02 - SAFETY			
2 - REGIONAL OFFICE LETTER		03 - INCIDENT			
		04 - ENFORCEMENT			
		05 - MGMT. AUDIT			
		06 - MGMT. VISIT			
		07 - SPECIAL			
		08 - VENDOR			
		09 - MAT. ACCT			
		10 - PLANT SEC			
		11 - INVENT. VER			
		12 - SHIPMENT/EXPORT			
		13 - IMPORT			
		14 - INQUIRY			
		15 - INVESTIGATION			

INSPECTION/INVESTIGATION FINDINGS (Check one box only)				TOTAL NUMBER OF VIOLATIONS AND DEVIATIONS				ENFORCEMENT CONFERENCE HELD				REPORT CONTAIN 2790 INFORMATION				LETTER OR REPORT TRANSMITTAL DATE			
A	B	C	D																
				1 - CLEAR				A				A				MO			
				2 - VIOLATION				B				B				DAY			
				3 - DEVIATION				C				C				YR			
				4 - VIOLATION & DEVIATION				D				D				MO			
								1 - YES				1 - YES				DAY			
																YR			

MODULE INFORMATION												MODULE INFORMATION												
MODULE NUMBER INSP												MODULE REG FOLLOWUP												
REC	ORD	PHASE	MANUAL	CHAPTER	PROCEDURE	NUMBER	LEVEL	PRIORITY	DIRECT INSPECTION EFFORT IN STAFF HOURS EXPENDED THIS INSPECTION	PERCENTAGE COMPLETED TO DATE	STATUS	REC	ORD	PHASE	MANUAL	CHAPTER	PROCEDURE	NUMBER	LEVEL	PRIORITY	DIRECT INSPECTION EFFORT IN STAFF HOURS EXPENDED THIS INSPECTION	PERCENTAGE COMPLETED TO DATE	STATUS	
5	8	8	0	4	5	B		0	0	2	1	0	0	C										
Environmental Protection												Independent Inspection												
5	8	8	0	5	0	B		0	0	1	1	0	0	C										
Emergency Preparedness																								
5	9	2	7	0	1	B																		
Follow up on Inspector Identified Problems																								
5	9	2	7	0	2	B																		
Follow up on Noncompliance																								

* DIRECT SEQUENCE OF VIOLATION OR DEVIATION

INSPECTOR'S REPORT
(Continuation)

Office of Inspection and Enforcement

DOCKET NO. (8 digits) OR LICENSE
NO. (BY PRODUCT) (13 digits)

04001341

REPORT

NO

SEQ

8501

MODULE NUMBER

5880058

6

VIOLATION SEVERITY OR DEVIATION

1 2 3 4 5 6

7 8 9 10 11 12

SITE

RELATED

A C

P D

VIOLATION OR DEVIATION (Enter up to 2400 characters for each item. If the text exceeds this number, it will be necessary to paraphrase. Limit lines to 50 characters each.)

License Condition 31 requires, in part, adherence to Special Work Permit requirements (protective clothing) if the employee performs nonroutine work in a contaminated area. License Condition 31 also requires, in part, that employees receive 4 hours of radiation training prior to working in a controlled area. License Condition 31 also requires that the existing property fence, a 6-foot high, anti-climb fence, topped with three strands of barbed wire, be altered to provide positive control and delineate the boundary between the uncontrolled and controlled areas.

Contrary to these requirements:

1. Two contractor employees failed to adhere to the Special Work Permit requiring the use of protective clothing before entering and working in a contaminated area on June 14, 1984.
2. One incompletely trained contractor employee was assigned work in the controlled area on May 30, 1984.
3. The licensee failed to maintain a secured facility. The integrity of the fence had been compromised in one area west of Pond 7, one area west of Sand Tailings Area A, and in several areas where the barbed wire was slack for an undetermined period of time.

INSPECTOR'S REPORT
(Continuation)

Office of Inspection and Enforcement

DOCKET NO. (8 digits) OR LICENSE
NO. (BY PRODUCT) (13 digits)

REPORT

NO

SEQ

MODULE NUMBER

5880058

6

04001341

8501

A

VIOLATION SEVERITY OR DEVIATION

SITE
RELATED

B

1 2 3 4 5 6

C

✓

D

21

VIOLATION OR DEVIATION (Enter up to 2400 characters for each item. If the text exceeds this number, it will be necessary to paraphrase. Limit lines to 50 characters each.)

License Condition 24 requires, in part, submittal of a semiannual report summarizing any changes in land and water use and also, summarizing licensee's inspections and audits.

Contrary to this requirement, semiannual reports were not available for the inspector's review at the time of the inspection for the period April 6, 1983 to April 26, 1985. Reports had not been submitted to the Uranium Recovery Field Office.

DOCKET NO. (8 digit) OR LICENSE
NO. (BY PRODUCT) (13 digit)

REPORT

MODULE NUMBER

84

INSPECTOR'S REPORT
(Continuation)

Office of Inspection and Enforcement

04001341

NO. 8501

SEQ. 0

5838223

VIOLATION SEVERITY OR DEVIATION

SITE

1 2 3 4 5 6

RELATED

1 2 3 4 5 6

A C

1 2 3 4 5 6

P D

VIOLATION OR DEVIATION (Enter up to 2400 characters for each item. If the text exceeds this number, it will be necessary to paraphrase. Limit lines to 50 characters each.)

Title 10 CFR Part 20, Section 203(e)(2), requires, in part, that each area in which natural uranium or thorium is stored in any amount exceeding 100 times the quantity specified in Appendix C of Part 20, shall be conspicuously posted with signs bearing the radiation caution symbol and the words "CAUTION - RADIOACTIVE MATERIALS."

Contrary to this requirement, several radiation caution signs had been rendered partially illegible by bullet holes.

DOCKET NO. (8 digits) OR LICENSE
NO. (BY PRODUCT) (13 digits)

REPORT

MODULE NUMBER

6

INSPECTOR'S REPORT
(Continuation)

Office of Inspection and Enforcement

04001341

NO

SEQ

5880458

VIOLATION SEVERITY OR DEVIATION

SITE

1 2 3 4 5 6

RELATED

1 2 3 4 5 6

A C

1 2 3 4 5 6

P D

VIOLATION OR DEVIATION (Enter up to 2400 characters for each item. If the text exceeds this number, it will be necessary to paraphrase. Limit lines to 50 characters each.)

License Condition 14 requires, in part, that 3-5 discrete sediment samples be collected in transects at several locations across the breadth of the creek and river. License Condition 14 also requires, in part, that environmental TLDs be exchanged on a quarterly basis. License Condition 14 also requires, in part, that analyses of certain trace metals in sediment samples be conducted semiannually.

Contrary to these requirements:

1. The licensee failed to collect and analyze discrete sediment samples during the period of April 6, 1983, to October 31, 1984.
2. The licensee failed to exchange environmental TLDs on a quarterly basis during the period from April 1, 1984, to September 30, 1984.
3. The licensee failed to conduct trace metal analysis of the sediment samples during the period from April 6, 1983, to April 30, 1984.

DISTRIBUTION

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 South Dakota Department of Health

IE07

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