

U.S. NUCLEAR REGULATORY COMMISSION

PRINCIPAL INSPECTOR (Name, SSN, and mobile phone)

NRC FORM 706
(11/87)
U.S. NRC 05/97INSPECTOR'S REPORT
Office of Inspection and Enforcement

N. M. SHOPENN

REVIEWER

E.F. HALLAINS

INSPECTORS

N. M. SHOPENN

R.F. BRICH

LICENSEE/VENDOR

TRANSACTION
TYPEDOCKET NO. (8 digits) OR LICENSE
NO. (BY PRODUCT) (13 digits)

REPORT

NEXT INSP. DATE

NO

SEQ

MO

YR

TENNESSEE VALLEY AUTHORITY

I - INSERT

04001341

8501

A

05

86

M - MODIFY

D - DELETE

R - REPLACE

PERIOD OF INVESTIGATION/INSPECTION

INSPECTION PERFORMED BY

ORGANIZATION CODE OF REGION/HQ CONDUCTING
ACTIVITY (See NRC 0530 "Manpower Reporting"
- Weekly Manpower Reporting for code)

REGION

DIVISION

BRANCH

FROM

TO

X

1 - REGIONAL OFFICE STAFF

OTHER

2 - RESIDENT INSPECTOR

3 - PERFORMANCE APPRAISAL TEAM

4

4

1

MO DAY YR MO DAY YR

04 16 85 04 26 85

REGIONAL ACTION
(Check one box only)

TYPE OF ACTIVITY CONDUCTED (Check one box only)

1 - NRC FORM 501

2 - REGIONAL OFFICE LETTER

X 02 - SAFETY

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
DEVIATIONSENFORCEMENT CONFERENCE
HELDREPORT CONTAIN 27K
INFORMATION

LETTER OR REPORT TRANSMITTAL DATE

NRC FORM 501
OR REG
LETTER ISSUEDREPORT SENT
TO HQ FOR
ACTION

A B C D

1 - CLEAR

2 - VIOLATION

3 - DEVIATION

4 - VIOLATION & DEVIATION

A B C D A B C D

1 - YES

A B C D

1 - YES

MO DAY YR MO DAY YR

06 06 85

MODULE INFORMATION

MODULE INFORMATION

REC ORD	MODULE NUMBER INSP	PRIORITY	DIRECT INSPECTION EFFORT IN STAFF HOURS EXPENDED THIS INSPECTION	PERCENTAGE COMPLETED TO DATE	STATUS	PHASE	MANUAL CHAPTER	PROCEDURE NUMBER	LEVEL	REC ORD	MODULE NUMBER INSP	PRIORITY	DIRECT INSPECTION EFFORT IN STAFF HOURS EXPENDED THIS INSPECTION	PERCENTAGE COMPLETED TO DATE	STATUS	PHASE	MANUAL CHAPTER	PROCEDURE NUMBER	LEVEL
5	3,070,3	B	0.03	100%	C					5	8,892,5	B	0.04	100%	C				
	Management Entrance/Exit Interviews										Maintenance/ Surveillance Testing								
5	8,800,5	B	0.08	100%	C					5	8,382,2	B	0.07	100%	C				
	Management Organization and Controls										Radiation Protection								
5	8,801,0	B	0.01	100%	C					5	8,803,5	B	0.02	100%	C				
	Operator Training/ Retraining										Radioactive Waste Management								
5	8,802,0	B	0.03	100%	C					5	8,674,0	B	0.01	100%	C				
	Operations Review										Transportation of Radioactive Materials								

CIRCLE SEQUENCE IF
VIOLATION OR DEVIATION8506130324 850606
PDR ADOCK 04001341
PDR

JEPT 11

U.S. NUCLEAR REGULATORY COMMISSION

PRINCIPAL INSPECTOR (Name, SSN, and middle initial)

NRC FORM 700
(11/81)
E MC 0530INSPECTOR'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 INSPEC DATE	
			NO	SEC	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							
MO	DAY	YR	MO	DAY	YR			REGION	DIVISION	BRANCH
								4	4	2

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

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																NRC FORM 581 OR REG LETTER ISSUED			
2 - VIOLATION																REPORT SENT TO HQ FOR ACTION			
3 - DEVIATION																			
4 - VIOLATION & DEVIATION																			

MODULE INFORMATION														MODULE INFORMATION																
MODULE NUMBER INSP										MODULE REG FOLLOWUP				MODULE NUMBER INSP										MODULE REG FOLLOWUP						
REC	ORD	TYPE	NUMBER	PHASE	MANUAL	CHAPTER	PROCEDURE	NUMBER	LEVEL	PRIORITY	DIRECT INSPEC. EFFORT IN STAFF HOURS EXPENDED THIS INSPECTION	PERCENTAGE COMPLETED TO DATE	STATUS	PHASE	MANUAL	CHAPTER	PROCEDURE	NUMBER	LEVEL	PRIORITY	DIRECT INSPEC. EFFORT IN STAFF HOURS EXPENDED THIS INSPECTION	PERCENTAGE COMPLETED TO DATE	STATUS	PHASE	MANUAL	CHAPTER	PROCEDURE	NUMBER	LEVEL	
			5	8	8	0	4	5	B		0.02	1.00	C									0.01	1.00	C						
Environmental Protection														Independent Inspection																
			5	8	8	0	5	0	B		0.01	1.00	C																	
Emergency Preparedness																														
			5	9	2	7	0	1	B																					
Follow up on Inspector Identified Problems																														
			5	9	2	7	0	2																						
Follow up on Noncompliance																														
* DIRECT SEQUENCE II VIOLATION OR DEVIATION																														

NRC FORM 700 A <small>1-1-81 10 MB 10-10</small> INSPECTOR'S REPORT (Continuation) Office of Inspection and Enforcement	DOCKET NO. (8 digits) OR LICENSE NO. (BY PRODUCT) (13 digits)		REPORT		MODULE NUMBER		<div style="font-size: 2em; text-align: center;">6</div>
	04001341		NO	SEQ	5880058		
				B	VIOLATION SEVERITY OR DEVIATION		SITE RELATED <input type="checkbox"/> A C <input type="checkbox"/> P D
				C	1 2 3 4 5 6		
				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 EnforcementDOCKET NO. (8 digits) OR LICENSE
NO. (BY PRODUCT) (13 digits)

04001341

REPORT

NO

SEQ

9501

MODULE NUMBER

5880058

6

VIOLATION SEVERITY OR DEVIATION

1 2 3 4 5 6

✓

SITE
RELATE (1)

A C

R 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 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 digits) OR LICENSE
NO. (BY PRODUCT) (13 digits)

REPORT

MODULE NUMBER

4

INSPECTOR'S REPORT
(Continuation)

Office of Inspection and Enforcement

04001341

NO

SEQ

5830223

VIOLATION SEVERITY OR DEVIATION

SITE

1 2 3 4 5 6

RELATED

C

A C

D

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.

INSPECTOR'S REPORT
(Continuation)

Office of Inspection and Enforcement

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

04001341

REPORT

NO

SEQ

MODULE NUMBER

5880458

6

VIOLATION SEVERITY OR DEVIATION

1 2 3 4 5 6

SITE
RELATE (1)A C
B 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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 Docket File 40-1341
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 South Dakota Department of Health

IE07
11

C	URFO <i>AB</i>	URFO <i>MA</i>	URFO <i>ETA</i>	URFO <i>AS</i>		
ME	RBrich/lv	MShopenn	EHawkins	RDSmith		
TE	85/06/04	6/6/85	6/6/85	6/6/85		