

RE: 9461-N

May 19, 1994

Certified Mail Return Receipt Requested

U.S. Nuclear Regulatory Commission ATTENTION: Document Control Desk Washington, D.C. 20555

RE: License No. SUB-1010; Docket No. 40-8027 Incident of April 19, 1994

Gentlemen:

Sequoyah Fuels Corporation (SFC) contacted the NRC Operations Center by telephone at approximately 6:20 p.m. on April 19, 1994 regarding a potential contamination event involving a shipment of yellowcake from the SFC facility. The call was made an as information call to the NRC due to our contacting the Department of Transportation (DOT) regarding the event.

Subsequent evaluation by the response team from SFC revealed that the event did not result in any contamination above the applicable release limits. Based on this evaluation, we have determined that the event is not reportable under the requirements of 10 CFR 20.2202, 20.2203, or 40.60.

SFC has filed a report to the Department of Transportation on Form DOT F 5800.1. A copy of that report is enclosed for your information.

Please contact me at 918/489-3386 if there are any questions regarding this subject.

Sincerely,

Craig L. Harlin

Director, Regulatory Affairs

CLH: BWR: nv

Enclosure

xc: L. J. Callan, NRC Region IV

9406100149 940519 FDR ADDCK 04008027

PO BOX 610, GORE, OKLAHOMA 74435

(918) 489 5511

FAX: (918) 489-2291

# DEPARTMENT OF TRANSPORTATION HAZARDOUS MATERIALS INCIDENT REPORT

Form Approved OMB No. 2137-0035

INSTRUCTIONS: Submit this report in duplicate to the Information Systems Manager, Office of Hazardous Materials Transportation, DHM-63, Research and Special Programs Administration, U.S. Department of Transportation, Washington, D.C. 20590. If space provided for any item is inadequate, complete that item under Section IX, keying to the entry number being completed. Copies of this form, in limited quantities, may be obtained from the Information Systems Manager, Office of Hazardous Materials Transportation. Additional copies in this prescribed format may be reproduced and used, if on the same size and kind of paper.

1	MODE, DATE, AND LOCATION (	OF INCIDENT									
	NAMES OF TRANSPORTATION	AIR	(29	HIGHWAY		RAIL		WATER	C	OTHER	
2.	DATE AND TIME OF INCIDENT (Use Military Time, e.g. 8:30am = 083 noori = 1200, 6pm = 1800, midnight				Date: (	)4 /	19	94		TIME 1600	
	OCATION OF INCIDENT (Include airport name in ROUTE/STREET If Incident occurs at an airport.)										
	CITY Forrest City				STATE		Arka	nsas			
	COUNTY St. Francis				ROUTE	STREET:	Inte	rstate 40	at Exi	t 242	
11.	DESCRIPTION OF CARRIER, CO	MPANY, OR II	NDIVID	DUAL REPO	RTING		CARRY SON CONTRACTOR		THE RESERVE TO A SECOND		
d	FULL NAME				CONTRACTOR AND ASSESSMENT CONTRACTOR OF THE	DRESS (P	rincipal p	place of business			
	Sequoyah Fuels Corporation - Shipper Tri-State Motor Transit Company - Carrier				P	P. 0.Box 610 I-40 and Highway 10					
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						ore, C	K 74	435	4		
6.	LIST YOUR OMC MOTOR CARRIER CET CODE, MERCHANT VESSEL NAME AND							ICC# MC1	09397		
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7	SHIPPER NAME AND A DRESS (Princi	HIPPER NAME AND ANDRESS (Principal place of business)						IND ADDRESS ( F	rincipal pl	ace of business)	
	Sequoyah Fusis Corpora	ation						il, Inc.			
	P. O. Box 610					ighway					
	I-40 and Highway 10						ampling Pl	ant			
-	Gore, OK 74435				M	etropo	lis,	IL 62960			
9.	ORIGIN ADDRESS (If different from Shipper address)			10. DE	STINATIO	N ADDR	ESS (If different for	om Consiç	nee address)		
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11	SHIPPING PAPER/WAYBILL IDENTIFIC	ATION NO.	Noti	ce of S	hipment	#5389	).				
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PACITY OR WEIGHT PER UNIT PACKAGE  9. 55 gallons, 65 lbs.)  IMBER OF PACKAGES OF SAME TYPE WHICH  ILLED IN IDENTICAL MANNER  IMBER OF PACKAGES OF SAME TYPE IN  IIPMENT  ICKAGE SPECIFICATION IDENTIFICATION  9. DOT 17E. DOT 105A100, UN 1A1 or none)  IY OTHER PACKAGING MARKINGS  9. STC. 18/16/55-88, Y1.4/150/87)  IMBE AND ADDRESS, SYMBOL OR REGISTRATION  IMBER OF PACKAGING MANUFACTURER  IRIAL NUMBER OF CYLINDERS, PORTABLE TANKS,  IRIGO TANKS, TANK CARS  PE OF LABELING OR PLACARDING APPLIED  A. REGISTRATION	A B seel Drum Gallons 1 35 None None N/A	C
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PE OF LABELING OF PLACARDING APPLIED RE	N/A	
A. REGISTRATION	adioactive	
RECONDITIONED NUMBER OR SYMBOL B DATE OF LAST	N/A	
TEST OR INSPECTION  (EMPTION/APPROVAL/COMPETENT AUTHORITY	N/A	
JMBER, IF APPLICABLE (e.g. DOT E1012)	N/A	
DESCRIPTION OF PACKAGING FAILURE: Check all app	plicable boxes for the package(s) identified a	bove.
TION CONTRIBUTING TO PACKAGING FAILURE		42. OBJECT CAUSING FAILURE
A B C  TRANSPORT VEHICLE COLLISION	ging, handling, or transportation of hazardou COPY OF THE HAZARDOUS WASTE MA	is materials. Photographs and diagrams s

Billy W. Reid

AR TITLE OF PERSON RESPONSIBLE FOR PREPARING REPORT
Manager, Licensing

47. SIGNATURE
49. TELEPHONE NUMBER (Area Code)
49. TELEPHONE NUMBER (Area Code)
50. DATE REPORT SIGNE
(918) 489-3203

05/19/94

#### DESCRIPTION OF EVENTS

#### BACKGROUND

On Tuesday, April 19, 1994, Sequoyah Fuels Corporation (SFC) shipped three (3) shipments of uranium ore concentrate (yellowcake) from it's facility at Gore, Oklahoma to the Allied Signal, Inc. facility at Metropolis, IL. The shipments were via semi-trailer truck and the carrier was Tri-State Motor Transit Company. The shipments were released from the SFC site at approximately 1000, and were travelling together en route to their destination.

## NOTIFICATION OF EVENT

At approximately 1700 SFC received notification of the event from the Tri-State dispatcher. It was stated that the driver in the truck behind the vehicle involved had noted an apparent water leak from inside the trailer. The observed water outside the trailer was observed to be on a mud flap and approximately 1 square foot on the highway surface.

#### ACTIONS TAKEN IN RESPONSE TO THE EVENT

On instructions from SFC, the driver broke the seal on the truck and looked in the trailer. Upon opening the trailer, a wet spot (no standing water) covering approximately 10 square feet was observed. The water appeared to be coming from a single drum in the second row from the back of the trailer. The trucks were just east of Forrest City, Arkansas on US Interstate 40 at mile marker 242 at the time. This is approximately six (6) hours from the Sequoyah Fuels Corporation facility.

Based on the information available, the preliminary response included the assessment that no Event Classification was required under the provisions of the Sequoyah Fuels Corporation Contingency Plan, notification to the Department of Transportation (DOT) was required, and a courtesy call should be made to the NRC notifying them of the event. The National Response Center was notified at 1800, report no. 235633, and the NRC Operations Center was notified at 1820, report no. 27124.

### RESPONSE ACTIONS AND ASSESSMENT

Preparations were made to dispatch a response and assessment team to the event site to assess and remediate the leak. The preparations included a review of the materials available in the response trailer and the addition of other items which might be needed, including a drum lifting device, drying agent (cement), overpack drums, and a drum dolly. The response team left the SFC site at approximately 1930.

The response team arrived at the event site at approximately 0115 on April 20. In addition to the truck drivers, two representatives from the Arkansas Department of Health were at the scene, and representatives from the Arkansas Highway Patrol arrived at approximately 0245. The survey of the area, both inside and outside the vehicle and on the roadway beneath the vehicle, indicated that there was no removable contamination above applicable NRC release limits. A direct radiation survey was also performed and confirmed that there was no contamination above the release limits.

#### REMEDIATION

The truck contents were inspected and the suspect drum was isolated. When the drum was tilted to move it, a small amount of water "sloshed" out, apparently bypassing the gasket. No failure of the drum lid or closure ring was apparent. When the lid was removed, it was noted that the gasket had completely failed. There was a short section (approximately 4 to 6 inches) that had been folded back and was not in place under the lid. Approximately four (4) inches of water was perched on top of the yellowcake (which was solid), leaving about 2 inches of air space between the surface of the water and the bottom of the lid. The drum was a hand-made, Russian drum, and the lid was an odd size which could not be replaced with the lids available in the response trailer. The drum lid was inspected and no visible defects were found. Cement was added to the water to solidify the liquid and a new gasket was installed. The original lid was re-installed on the drum.

Surveys of the drum and adjacent areas showed no signs of contamination above the release limits. With the concurrence of the representatives of the Arkansas Department of Health, the drum was left in the truck, and the trucks released to continue at approximately 0500. The drivers moved to a rest area for the requisite rest period and all responders departed.

#### SUMMARY

No radioactive contamination was found on the road or the truck, and the trucks were released to continue on to their original destination after action was taken to dry the liquid in the drum.

#### OTHER ACTIONS TAKEN

Shortly after the receipt of the notification of the event, SFC administratively stopped the future shipment of yellowcake pending assessment and resolution of the event. At a subsequent meeting of SFC personnel involved with the packaging, inspection and shipping of yellowcake, it was determined that the seal ring would be pneumatically tightened on every drum shipped prior to placing it in the trailer.