

40-8902

ARCO Coal Company
Bluewater Mill
Post Office Box 638
Grants, New Mexico 87020
Telephone (505) 876-2211

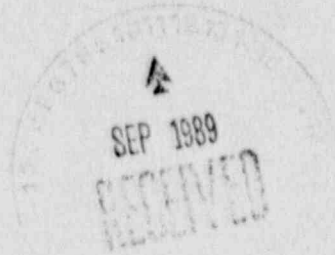
RETURN ORIGINAL TO PDR, HQ.



04008902350E

August 25, 1989

Ramon Hall, Director
Uranium Recovery Field Office
Region IV
Nuclear Regulatory Commission
730 Simms St., Suite 100
Golden, Colorado 80401



RE: License No. SUA-1470
Docket No. 40-8902

Dear Mr. Hall:

ARCO Coal Company (ARCO), formerly Anaconda Minerals Company, processed uranium ore into uranium ore concentrate (yellowcake) at its Bluewater Uranium Mill from 1953 to 1982. As a part of the operation of the mill, ARCO performed process control/metallurgical tests on the ore for leaching, extraction and precipitation recovery. Some of these tests were performed at the ARCO Company Tucson Research Center (TRC) in Tucson, Arizona. Ore for these various tests was shipped from the mine to the TRC during operation of the mill. The metallurgical testings required large amounts of ore samples to perform various leach tests at different simulated mill parameters. After tests, TRC stored the excess samples, leached residue, leach liquids, and test raffinates as a by-product waste. TRC did hold Radioactive License #10-20, from the Arizona Radiation Regulatory Agency, to possess U-natural.

In August, 1985, ARCO ceased the operation of the TRC and all of the uranium by-product waste was shipped from Tucson to the Bluewater Uranium Mill where it is currently stored. There are one hundred thirty-one (131) drums (approximately 72,000 pounds) of solid by-product waste which consist of excess samples and leach residue (similar to the Uranium Ore/Mill Tailings) and twenty-four (24) drums (approximately 1,500 gallons) of liquid by-product which consist of leach liquids and raffinate (similar to the mill tailings solution).

ARCO hereby requests approval from Nuclear Regulatory Commission to dispose the solid by-product waste into the main tailings impoundment and the liquid by-product (raffinate) into the evaporation pond, as these samples are a by-product waste from the Bluewater Uranium Mill. The tailings impoundment of the Bluewater Uranium Mill consists of some twenty-four (24) million tons of tailings of similar composition. The disposal of this

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DESIGNATED ORIGINAL

Certified By Mary C. Hood

89-0974

material will neither alter the stabilization of tailings impoundment nor add any significant hazard to the public or environment. Also, the disposal of liquid into the evaporation pond will not significantly increase any source term in the evaporation pond. We would appreciate your timely decision so that we may proceed with the disposition of this material prior to tailings reclamation.

Should you have any questions, please contact me or Natver Patel of my staff.

Sincerely,


R. S. Ziegler
Project Manager

jal

Attachment

pc: RK
LM
PB
NP

ALTERNATE FREIGHT DELIVERY BILL

International Transport, Inc.
I.C.C. No. MC 113855

2450 MARION RD. S.E.
ROCHESTER, MINNESOTA 55903
PHONE: (507) 286-3331

SHIPPER'S NAME T. J. [unclear]		SHIPPER'S ADDRESS [unclear]		SHIPPER'S CITY AND STATE [unclear]		BILL OF LADING NO. 37		DATE OF BILL OF LADING 8/30/85		CLASS OF EQUIPMENT TRAILER		TARIFF CODE [unclear]		EXTRA DUTY [unclear]		TARIFF LOAD [unclear]		SIGNATURE [unclear]		UNIT NO. [unclear]	
CONSIGNEE'S NAME [unclear]		CONSIGNEE'S ADDRESS [unclear]		CONSIGNEE'S CITY AND STATE [unclear]		DESTINATION [unclear]		DATE OF DELIVERY [unclear]		CLASS OF EQUIPMENT TRAILER		TARIFF CODE [unclear]		EXTRA DUTY [unclear]		TARIFF LOAD [unclear]		SIGNATURE [unclear]		UNIT NO. [unclear]	
WEIGHT AND MEASUREMENTS		COMMODITY DESCRIPTION		B.L. WEIGHT		TOTAL SHIPMENT WT.		TOTAL SHIPMENT VOL.		TOTAL SHIPMENT VAL.		TOTAL SHIPMENT VOL.		TOTAL SHIPMENT VAL.		TOTAL SHIPMENT VOL.		TOTAL SHIPMENT VAL.		TOTAL SHIPMENT VOL.	
13 Pallets - [unclear]		16 Pallets - [unclear]		45,000		[unclear]		[unclear]		[unclear]		[unclear]		[unclear]		[unclear]		[unclear]		[unclear]	

NO. WEIGHT SHOWN ON BILL OF LADING
 THIS IS TO BE USED ONLY IF THE WEIGHT SHOWN ON THE BILL OF LADING IS NOT THE ACTUAL WEIGHT OF THE GOODS.
 NUMBER TO CALL
 FREIGHT CHARGES
 COLLECT ON DELIVERY

SHIPPER'S NAME		SHIPPER'S ADDRESS		SHIPPER'S CITY AND STATE		SHIPPER'S ZIP CODE		SHIPPER'S PHONE		SHIPPER'S FAX		SHIPPER'S TELETYPE		SHIPPER'S TELEFAX		SHIPPER'S TELEMAIL		SHIPPER'S TELEFAX		SHIPPER'S TELEMAIL	
CONSIGNEE'S NAME		CONSIGNEE'S ADDRESS		CONSIGNEE'S CITY AND STATE		CONSIGNEE'S ZIP CODE		CONSIGNEE'S PHONE		CONSIGNEE'S FAX		CONSIGNEE'S TELETYPE		CONSIGNEE'S TELEFAX		CONSIGNEE'S TELEMAIL		CONSIGNEE'S TELEFAX		CONSIGNEE'S TELEMAIL	

DELIVERY RECEIPT AND DETENTION RECORD

DESCRIPTION	DATE	TIME	DATES AND TIMES TO BE ENTERED BY SHIPPER OR CONSIGNEE AND ACKNOWLEDGED BY SIGNATURE	Shipper Signature	Unit No.
UNLOADING BEGAN					[Signature]
UNLOADING COMPLETED				[Signature]	
TOTAL TIME REQUIRED					
UNLOADING BEGAN					
UNLOADING COMPLETED					
TOTAL TIME REQUIRED					

ALTERNATE FREIGHT DELIVERY BILL

International Transport, Inc.
I.C.C. No. MC 113855

2450 MARION RD. S.E.
ROCHESTER, MINNESOTA 55903
PHONE: (507) 286-3331

ORDER NO. 11294	UNIT NO. 217	TRAILER NO. F+V Trucking 011231	SPECIAL BILL OF LADING CUSTOMER BY CHECKS <input type="checkbox"/>
DRIVER <input checked="" type="checkbox"/>	TRAILER REQUIRED <input checked="" type="checkbox"/>	BILLING TERMINAL	SHIP DATE 8-27-85
SHIPPER NAME Amiconda Mineral Co.		SHIPPER STATE Ariz	EXTRA DRIVER <input checked="" type="checkbox"/>
SHIPPER CITY Tucson		SHIPPER STATE	TARE LOAD <input checked="" type="checkbox"/>
UNSIGNEE NAME Amiconda Mineral, Bluewater Mill		SHIPPER STATE	Signature <input checked="" type="checkbox"/>
DELIVERY ADDRESS 6 m. West of Milan		SHIPPER STATE	Security Service <input checked="" type="checkbox"/>
DESTINATION CITY Corants		DESTINATION STATE NM	For Pickup <input checked="" type="checkbox"/>
DESTINATION STATE		DESTINATION STATE	For Delivery <input checked="" type="checkbox"/>
BILL OF LADING NUMBER		DATE OF LADING DATE 8-27-85	DRIVER NOTIFY BILL OF LADING (Do not deliver without surrender of original yellow B/L)
CARRIER NAME		DATE OF LADING DATE	EXCLUSIVE USE <input checked="" type="checkbox"/>
INTEROFFICE INFORMATION - OTHER SPECIAL REQUESTS		DATE OF LADING DATE	STOP CHARGE <input checked="" type="checkbox"/>
COMMODITY DESCRIPTION		DATE OF LADING DATE	COI - Collect following amount for shipper
COMMODITY DESCRIPTION		DATE OF LADING DATE	REQUIRED DELIVERY Date

NO WEIGHT SHOWN ON B/L OF LADING
Driver to secure certified load and empty weight scales and mail to ROCHESTER with delivery receipt.

IF A TELEPHONE NUMBER APPEARS IN THIS SPACE DRIVER IS TO CALL CONSIGNEE 24 HOURS IN ADVANCE
NUMBER TO CALL

FREIGHT CHARGES
 COLLECT ON DELIVERY

COMMODITY DESCRIPTION	B/L WEIGHT
20 pallets Uranium Ore	48,710

NET WEIGHT

IF GROSS WEIGHT VALUE IS DECLARED THE SHIPPER HEREBY RELEASES THE VALUE TO \$5000.00 PER TON (\$2500.00 PER NET TON FOR EACH TON)

LENGTH OF BOX 40	WIDTH 8	HEIGHT 4	OVERALL HEIGHT 9	REFUSED VALUE NOT CALCULATED	TOTAL SHIPMENT WT
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REQUIREMENTS

PILOT CAR

RER LIFT TRUCK

PERMITS

EXPANDABLE TRAILER

DELIVERY RECEIPT AND DETENTION RECORD			
DESCRIPTION	DATE	TIME	DATES AND TIMES TO BE ENTERED BY SHIPPER OR CONSIGNEE AND ACKNOWLEDGED BY SIGNATURE
Shipment loaded and ready for transport			Shipper Signature By _____ Delivering Driver's Signature <i>Paul Kalam</i> Unit No. 217 Delivery Date _____ Received By (Consignee Signature) By <i>Carl D. Wolf</i> Title <i>HS&E Eng</i> 8/28/85
Arrived for LOADING			
LOADING began			
LOADING completed			
Truck & Trailer Released			
Truck & Trailer Released			
Arrived for UNLOADING			
UNLOADING began			
UNLOADING completed			
Truck & Trailer Released			



Stan Low
2/4 754/3247

Paul Harvey
602-255-4845

ARIZONA RADIATION REGULATORY AGENCY
RADIOACTIVE MATERIAL LICENSE

Pursuant to Chapter 4, Title 30, Arizona Revised Statutes, and the Arizona Radiation Regulatory Agency Regulations for the Control of Ionizing Radiation, and in reliance on statements and representations heretofore made by the licensee designated below, a license is hereby issued authorizing such licensee to transfer, receive, possess and use the radioactive material designated below; and to use such radioactive material for the purpose(s) and at the place(s) designated below. This license is subject to all applicable rules, regulations, and orders now or hereafter in effect and to any conditions specified below. In accordance with application dated October 29, 1984, signed by Robert Peper;

Licensee		3. License number 10-22 is hereby amended in its entirety to read as follows:
1. Name	Anaconda Minerals Company Interstate 10 East & 8000 South Kolb Road	4. Expiration date April 30, 1990
2. Address	P O Box 27007 Tucson, Arizona 85726	5. Amendment #21
6. Radioactive material (element and mass number)	7. Chemical and/or physical form	8. Maximum quantity licensee may possess at any one time
A. Cesium-137	A. Sealed source (Texas Nuclear 570-57157C or 696894)	A. No source to exceed 100 millicuries
B. Uranium-Natural	B. Any	B. 100 pounds
C. Cobalt-57	C. Sealed source (New England Nuclear Model NER-072)	C. No source to exceed 75 millicuries.
D. Cesium-137	D. Sealed source (Omart Corp. A-2102)	D. No source to exceed 50 millicuries.
E. Nickel-63	E. Sealed source (Hewlett Packard #19312)	E. No source to exceed 15 millicuries.
F. Americium-241	F. Sealed source (New England Nuclear Model NER-476A)	F. No source to exceed 1 curie.
G. Americium-241	G. Sealed source (New England Nuclear NER-476C or 479C)	G. No source to exceed 2 curies.
H. Barium-133	H. Sealed source [Isotope Products XFB-5 (CD-1)]	H. No source to exceed 30 millicuries.

