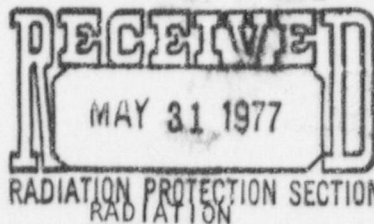




JOE D. LONGACRE, SR.
STATE INSPECTOR OF MINES

STATE OF NEW MEXICO
INSPECTOR OF MINES DEPARTMENT
2340 MENAUL, N.E., SUITE 106
ALBUQUERQUE, NEW MEXICO 87107



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OFFICE TELEPHONE 842-3055
RESIDENCE PHONE 344-1129

REPORT OF INSPECTION

I.D. No. 2900575

Sandstone Mine (United Nuclear Corporation)
(Name)

{ Mine

Typed May 19, 1977

May 9, 10, 11, 12, 1977
(Date of Inspection)

Uranium

(Classification of Mine)

McKinley

(County in which located)

John Visarraga, Ventilation Technician

(Company representative present at inspection)

Pursuant to the Mining Laws of the State of New Mexico, Section 63-4-8, an inspection, as designated above, has been made. During this inspection the following was noted:

GENERAL INFORMATION

Owner and Operator: United Nuclear Corporation

Company Officials:

Walt Smit, Manager of Operations
Dave Moody, General Superintendent
Jack Farley, Mine Superintendent
John Anderson, General Mine Foreman
Ken Blume, Safety Director

Location: 25 miles NW of Grants,
NM, off State Hwy. 509.

Employment:

Total	198
Underground	173
Surface	25

Mining method: modified room and pillar

Previous radiation inspection: February,
1977, and the report was posted.

Work Scheduled

Hours per shift	8
Shifts per day	3
Days per week	7

Inspection Party: United Nuclear Corporation
John Visarraga, Ventilation Safety Technician
Dan Thebeau, Ventilation Engineer

Mining Enforcement and Safety Administration
Miguel Bernal, Metal and Nonmetal Mine Inspector

State of New Mexico
George C. Henckel, Dust and Mine Gas Engineer

Mr. Visarraga obtained duplicate radon-daughter samples for comparison purposes.

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PDR ADOCK 04008907
C PDR

JOE D. LONGACRE, SR.

State Inspector of Mines

9804130179
ONE COPY OF THIS REPORT SHALL BE POSTED IN A CONSPICUOUS PLACE AT THE MINE

The mine is opened by a 12 foot diameter, concrete, three compartment shaft, 940 feet deep. This shaft is used for the hoisting and lowering of men and materials, ventilation and hoisting ore. The John Billy shaft is 60" I.D. borehole that is presently being converted to a production shaft and will be used for hoisting ore and ventilation.

The mine was ventilated by air delivered and exhausted through the following:

<u>Opening</u>	<u>Size</u>	<u>Air Direction</u>	<u>Fan</u>	<u>HP</u>	<u>Ventilation c.f.m.</u>
Shaft	12'	downcast	-	-	200,000
John Billy Shaft	60"	downcast	-	-	20,000
No. 1 BH	41"	upcast	Joy	150	50,000
No. 2 BH	51"	upcast	Joy	(2) 125	150,000
No. 3 BH	36"	downcast	Joy	100	10,000
No. 4 BH	48"	upcast	Joy	150	20,000

The following is a list of radon-daughter concentrations and ventilation volumes:

<u>Sample No.</u>	<u>Sample Location</u>	<u>Ventilation c.f.m.</u>	<u>Working Level</u>
1	72 room trench area	adequate	Nil
2	72 room haulage	20,000	0
3	B-6 64 room development	convection	Nil
4	C-1 No. 1 slusher	convection	0.2
5	C-1 drill position	1,500	Nil
5	C-1 No. 2 slusher	convection	0.5
7	A-4 raise development	convection	0.6
8	54 room haulage	20,000	0.4
9	33 entry drill position	1,500	0.8 (C.W.O. issued)
10	27 entry drill position	1,000	6.0
11	26 raise haulages	2,000	10.1
12	26 raise slusher	convection	4.0 (C.W.O. issued)
13	24 room shop	10,000	0.2
14	station area	adequate	Nil
15	27 entry R E S A M P L E		Nil (C.W.O. abated)
16	33 entry R E S A M P L E		0.3 (C.W.O. abated)
17	26 raise haulage R E S A M P L E		0.4 (C.W.O. abated)
18	26 raise slusher R E S A M P L E		0.5 (C.W.O. abated)

CEASE WORK ORDERS ISSUED 5-9-77

Order No. 1, SIM Rule No. 76-1(c): For high radiation in the B-1, B-2 area.
(57.5-39M) Abated 5-12-77.

ABATEMENT OF NOTICES ISSUED 5-5-76

Notice No. 1, SIM Rule No. 75-2(2c); (57.5-16M) Abated 5-12-77.

Notice No. 2, SIM Rule No. 71-1(2c); (57.5-2M) Abated 5-12-77.

NOTICES ISSUED 5-12-77

Notice No. 1, Section 63-28-17(b), NMSA: The mechanic in the 24 room haulage shall wear safety glasses. (57.15-4M) Abated 5-12-77.

Notice No. 2, SIM Rule No. 71-1(2c): The oil storage area in 24 room shall be provided with drip pans (fire hazard). (57.4-4M) Abated 5-12-77.

Notice No. 3, SIM Rule No. 71-1(2c): The oil storage area in 26 raise shall be kept clean and provided with drip pans. (fire hazard) (57.4-4M) Abated 5-12-77.

Notice No. 4, Section 63-4-5(c), NMSA: The vent bag in 64 room shall be kept within 30 feet of the face. Abated 5-12-77.

Notice No. 5, Section 63-28-9, NMSA: Dust shall be controlled in the 72 room trench area. Abated 5-12-77.

Notice No. 6, Section 63-28-9, NMSA: Dust shall be controlled at the M&E station area. Abated 5-12-77.

Notice No. 7, SIM Rule No. 76-1(2c): Evidence of smoking was found in C-1 haulage 27 entry. (57.5-41M) Abated 5-12-77.

Notice No. 8, Section 63-26-1(b), NMSA: The area where diesel truck parking 26 raise shall be ventilated. Abated 5-12-77.

Notice No. 9, Rules Governing Diesel Equipment in Underground Mines for the State of New Mexico, Rule No. 4(b): The 33 entry shall be provided with at least 75 c.f.m. of air per brake horsepower for operation of diesel equipment. Abated 5-12-77.

Notice No. 10, Rules Governing Diesel Equipment in Underground Mines for the State of New Mexico, Rule No. 4(b): The 27 entry shall be provided with at least 75 c.f.m. of air per brake horsepower for operation of diesel equipment. Abated 5-12-77.

Notice No. 11, SIM Rule No. 75-3(a): The two air tuggers in the C-1 development stope shall be provided with noise control devices. (57.5-50(b)M) Abated 5-12-77.

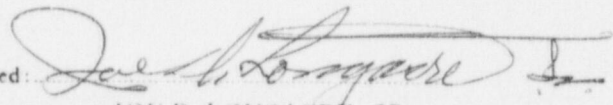
The above notices and order were discussed at the inspection's conclusion with Messrs. Jack Farley, John Anderson, Nash Tafoya, Nick Sloan, Roger Siegmann, John Visarraga, C. R. Finch and Miguel Bernal, MESA.

ACKNOWLEDGEMENT

The courtesy and cooperation of the staff and personnel of the Sandstone Mine are hereby gratefully acknowledged.

Inspected and Reported by:
George C. Henckel
Dust and Mine Gas Engineer
Deputy Inspector of Mines

jmz

Approved: 

JOE D. LONGACRE, SR.
State Inspector of Mines