

Wolfe



STATE OF NEW MEXICO
INSPECTOR OF MINES DEPARTMENT
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ALBUQUERQUE, NEW MEXICO 87107

SAFETY FIRST



JOE D. LONGACRE, SR.
STATE INSPECTOR OF MINES

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RADIATION
REPORT OF INSPECTION

I. D. No. 2900589
Section 15 Mine (United Nuclear-Homestake Partners) Mine
(Name)
Uranium (Classification of Mine)
McKinley (County in which located)
Jo Ann Van Horn, Ventilation Sampler (Company representative present at inspection)
Typed May 16, 1978
May 3, 1978 (Date of 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 & Operator: United
Nuclear-Homestake Partners

Company Officials:
John Parker, General Manager
Frank Murray, Manager of Mines
Jack Johnson, General Mine Foreman
Conrad Jaramillo, Mine Foreman

Location: 27 miles NW of Grants,
N.M. at end of State Hwy. 509-B

Employment: 21

Previous Radiation Inspection: January 11, 1978,
and the report was posted

Work Schedule:
Hours per shift 8
Shifts per day 2
Days per week 5

The inspector was accompanied by Mr. Conrad Jaramillo and Jo Ann Van Horn during the entire period of this inspection.

The mine is opened by one verticle, three compartment shaft, now inoperative. The decline is used for hauling ore, men and materials and for ventilation.

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

Opening	Size I.D.	Air Direction	Air Vo- lume C.F.M.	Make of Fan	HP	Depth of Opening
Shaft	6'x15'	exhaust	20,000	-	-	623'
26 vent raise	6'x8'	intake	251,580	Jeffrey	2(100)	488'
2 raise B.H.	40'	exhaust	15,000	-	-	377'
decline	-	exhaust	44,250	-	-	-
22 raise	-	exhaust	112,800	-	-	-

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PDR ADOCK 04008907
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Main fans were surface mounted, electrically powered axial-flow type units. Air to the working places was distributed by the use of auxiliary fans and vent tubing. Underground air flow was controlled by use of air doors, bulkheads, curtains and brattices.

The following is a list of radon-daughter concentrations, ventilation volumes and time-weighted average for the various classes of mine personnel.

Sample No.	Sample Location	Ventilation C.F.M.	Man-Shift Exposure			Working level
			M&M	Stopes	Haulages	
1	68 stope slusher	7,000	0.3	2.0		nil
2	68 stope working drifts	8,000	0.3	2.0		0.6
3	412 haulage	58,000	0.3		1.0	nil
4	diesel shop	4,000	2.3			0
5	536 E. stope slusher	2,000	0.3	1.0		nil
6	536 E. stope drill	6,000	0.3	1.0		0.7
7	536 W. stope drill	8,000	0.3	1.0		0.2
8	536 W. stope slusher	7,000	0.3	1.0		0.4
9	14 W. haulage	8,000	0.3		1.0	nil
10	414 W. s e longholing	4,500	0.3	2.0		nil
11	10 incline haulage	80,000	0.3		1.0	nil
12	lunchroom	*10,000	0.3		1.0	nil
13	2 raise haulage	61,500	0.2		1.0	nil
14	main decline	45,000	0.2		1.0	nil
			6.0	10.0	6.0	

The average time-weighted exposure for the various classes of mine personnel and the total mine exposure index are as follows:

Maintenance and Management = 0.1 x working level
Stopes and Developments = 0.3 x working level
Haulageways = 0
Total Mine Exposure Index = 0.1 x working level

NOTICES ISSUED MAY 3, 1978

Notice No. 1, SIM Rule No. 76-1(2c): Evidence of cigarette smoking was found in the lunchroom. (57.5-41M) Abated May 3, 1978.

Notice No. 2, SIM Rule No. 76-1(2c): Evidence of cigarette smoking was found in 2 raise haulage. (57.5-41M) Abated May 3, 1978.

Notice No. 3, SIM Rule No. 76-1(2c): Evidence of cigarette smoking was found in the main decline haulage. (57.5-41M) Abated May 3, 1978.

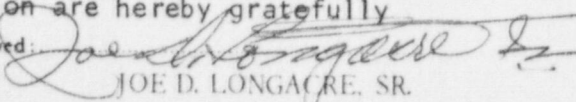
The above notices were discussed with Mr. Conrad Jaramillo.

ACKNOWLEDGMENT

The courtesy and cooperation of Mr. Conrad Jaramillo, Jo Ann Van Horn, staff and personnel of the Section 15 Mine during the inspection are hereby gratefully acknowledged.

Inspected and Reported by:
L. A. Quinones
Dust and Mine Gas Engineer
Deputy Inspector of Mines

Approved:


JOE D. LONGACRE, SR.
State Inspector of Mines