

Atlas Minerals
 Division of Atlas Corporation
 P. O. Box 488
 Moab, Utah

Regulatory Suppl File Cy.

April 14, 1967

Mr. Donald A. Nussbaumer
 Source and Special Nuclear Materials Branch
 Division of Materials Licensing
 United States Atomic Energy Commission
 Washington, D. C. 20545



Dear Mr. Nussbaumer:

This letter gives additional information concerning the application by Atlas Minerals, Division of Atlas Corporation for renewal of Source Materials License R-161. Enclosed are an itemized list of dust collection equipment currently used at the Moab mill and a map of the area showing the location of the mill in relation to the populated areas.

Atlas will take at least the following number of routine air samples each calendar quarter in the various sections of the mill.

<u>Location</u>	<u>Type of Sample</u>	<u>No. of Air Samples</u>
Crushing	Breathing Zones	3
Grinding	Breathing Zones	3
Sample Tower	Breathing Zones	3
Precipitation	Breathing Zones	3
Sample Tower	General Air	3
Crushing	General Air	3
Leaching	General Air	3
Counter-Current Decant.	General Air	3
Solvent-Extraction	General Air	3
Resin-in-Pulp	General Air	3
Drying	General Air	3
Packaging	General Air	3

Atlas will take at least the following number of scintillation readings at various locations in the mill.

Copy Provided
 Compliance IV

4/19/67

9612260013 670414
 PDR ADOCK 04003453
 C PDR

ACKNOWLEDGED

1212

April 14, 1967

<u>Location</u>	<u>No. of Readings</u>
Crushing	8
Sample Tower	2
Leaching	3
Reagent Recovery	3
Counter-Current Decantation	5
De-Sanding	2
Resin-in-Pulp	2
Solvent Extraction	4
Precipitation & Filtration	4
Drying	3
Packaging	3
Tailings Disposal	4

The enclosed map of the area around the Moab mill indicates the populated areas, Moab proper and to a minor extent the Arches National Monument. The minimum sampling points of the unrestricted area to be taken per calendar quarter are indicated on the map. Please note the topography of the land and the lack of roads in the area around the mill. Atlas feels that unrestricted area sampling program as outlined adequately covers the possible exposure of any people living in the area.

If you need any further information please let me know.

Yours very truly,


T. F. Izzo
Manager

TFI:jn

Enclosures

ATLAS MINERALS
DIVISION OF ATLAS CORPORATION
INTER-OFFICE CORRESPONDENCE

DOCKET NO. 40-3453
Regulatory Suppl File Cy.

To T. F. Izzo
From Owen Flanigan

Date
March 24, 1967

Subject Dust Collection - Moab Mill

Crushing Department

One No. 28-R Model 126-D K.D. Type, Four Compartment, Continuous Automatic Wheelabrator Dustube Dust Collector.

System of hoods and piping for transportation of the air and suspended solids to the collector.

Air Mover #330 H.S. American Blower Series 82 Exhauster with 40 H. P. motor 21,250 c.f.m. at 8-1/2" static pressure, 4,000 feet above sea level.

Purpose: To collect dust from conveyors, cursher, etc.

One unit three sections of a Western Precipitation Dualaire Dust Collector Serial 132, Type HR-4-P Size 4-20-26.

System of hoods and piping for transportation of the air and suspended solids to the collector.

Exhaust Clarage Fan, approximately 48" diameter. 30,000 c.f.m., 8" static pressure at 4,000 feet above sea level. Type XL Size 133 serial No. 2274 AB, 60 H.P. motor.

Purpose: To collect dust from conveyors, crusher, etc.

Sample Tower

One unit, one section Western Precipitation Corporation Dualaire Dust Collector. Type HR-4-P, Size 4-20-26.

System of hoods and piping for transportation of the air and suspended solids to the collector.

Clarage Fan Type XL, size 119, Serial No. 22258 AB, 10,000 c.f.m. at 8" static pressure at 4,000 feet above sea level, 25 H.P. motor.

Purpose: To collect dust from sampling equipment, Roll Crusher, Chutes, Blenders, etc.



ATLAS MINERAL
DIVISION OF ATLAS CORPORATION

SHEET

DATE

TO

2

March 24, 1967

T. F. Izzo

Gathering Section

One No. 24-R Model 126-K K.K. Type, Three Compartment, Continuous Automatic Wheelabrator Dustube Dust Collector.

System of hoods and piping for transportation of the air and suspended solids to the collector.

Air Mover #300 H.S. American Blower, Series 82 Exhauster, 19,570 c.f.m. at 9" static pressure at 4,000 feet above sea level, 40 H.P. motor.

Purpose: To collect dust from conveyors and chutes.

U₃O₈ Packaging Area

One Ducon Dynamic Scrubber Type UW-4, Model II, Size 30.

Fan 2500 c.f.m., 10 H.P.

Purpose: To scrub and wash dust and fumes from Skinner Roaster exhaust stack.

One #8-R Model 70-AC Wheelabrator Dust Collector, Fan 2200 c.f.m. at 6" static pressure at 200° F and 4,000 feet above sea level.

Purpose: To collect dust at U₃O₈ packaging area.

SW

.....

 APERTURE CARD/PAPER COPY AVAILABLE THROUGH NRC FILE CENTER

NUMBER OF OVERSIZE PAGES FILMED ON APERTURE CARD(S) 1

ACCESSION NUMBERS OF OVERSIZE PAGES:

9612260013-01

FROM: Atlas Minerals Moab, Utah		DATE OF DOCUMENT: 1-11-67		DATE RECEIVED 1-17-67		NO.: 1272	
T. F. Inso		LTR. X		MEMO:		REPORT:	
TO: Nussbaumer		ORIG.: 1		CC:		OTHER: 2 cys. reproduced	
CLASSIF.: U		POST OFFICE		ACTION NECESSARY <input type="checkbox"/>		CONCURRENCE <input type="checkbox"/>	
REG. NO:		FILE CODE: 10-3453		NO ACTION NECESSARY <input type="checkbox"/>		COMMENT <input type="checkbox"/>	
DESCRIPTION: (Must Be Unclassified)		REFERRED TO		DATE		RECEIVED BY	
Ltr. submitting additional info in connection w/appl. for renewal of B-161.....		Nussbaumer		1/18			
		w/file cy. & 1-compliance cy. (w/o Map)					
ENCLOSURES: (1 cy. rec'd.) Supplemental sheet							
Map showing site of Moab Mill		File charged to Harmon					
REMARKS							
Distribution; 1-PIR cy. (w/o Map)							

DO NOT REMOVE

ACKNOWLEDGED