

SEP 12 1966

DML:DPH

40-3453

Department of Interior
Federal Water Pollution Control Administration
Colorado River Basin Water Quality Control Project
Room 415, Building 22, Denver Federal Center
Denver, Colorado 80225

Attention: Mr. J. M. Rademacher
Project Director

Gentlemen:

Enclosed is a copy of a report from Atlas Corporation relative to effluent surveys conducted at the Moab uranium mill.

The data in the report indicate that the concentrations of radioactivity in the Atlas effluent were within 10 CFR 20 limits for the year 1965. As you know, this has been accomplished by treating the effluent with $BaCl_2$ to reduce the radium-226 concentrations. However, significant circuit changes which could affect the radioactivity content in the effluent are being planned by Atlas for 1966. Accordingly, Atlas has requested continuation of the authorization previously granted to discharge into the Colorado River liquid effluents which may contain radioactivity concentrations in excess of 10 CFR 20 limits.

Based on the available survey data, it is not likely that a detectable increase in the radium-226 concentrations of the Colorado River will be observed as a result of effluent discharge at the specified limits. The radium levels in the Colorado River are far below Part 20 limits. Accordingly, we have continued the authorization, a copy of which is enclosed, for a one year period.

Please let me know if you have any questions concerning the above.

DISTRIBUTION:
Doc. Rm.
Br. & Div. rfs
Compliance Region IV
Suppl.
D. Harman, DML

Very truly yours,

Donald A. Nussbaumer, Chief
Source & Special Nuclear Materials Branch
Division of Materials Licensing

OFFICE Enclosures:
As stated

SURNAME

DATE

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DHarmon/jc

9/11/66

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DNussbaumer

9/12/66

FROM: Atlas Minerals Moab, Utah T. F. Izzo		DATE OF DOCUMENT: 1-25-66		DATE RECEIVED: 5-3-66		NO.: 1252	
TO:		LTR.: X		MEMO:		REPORT:	
Hussbauer		ORIG.: 2		CC:		OTHER: 1 cy reproduced	
CLASSIFICATION:		ACTION NECESSARY <input type="checkbox"/>		CONCURRENCE <input type="checkbox"/>		DATE ANSWERED:	
POST OFFICE		NO ACTION NECESSARY <input type="checkbox"/>		COMMENT <input type="checkbox"/>		BY:	
REG. NO.:		FILE CODE:					
U		DOCKET: 10-3453					
DESCRIPTION: (MUST BE UNCLASSIFIED)		REFERRED TO		DATE		RECEIVED BY	
Ltr. req. amendment to R-161 to cover an evaluation of the effects of the copper & vanadium acid leach circuits on the quality of the tailings pond effluent....and trans:		Hussbauer		5/4			
ENCLOSURES.		w/file cy.					
TABLES I thru III		1-compliance					
REMARKS:		FILE CHARGED TO HANSON					
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