EWM
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ATLAS CORPORATION
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RICHARD E. BLUBAUGH
Vice President Environmental
and Governmental Affairs

April 02, 1997

VIA UPS NEXT DAY AIR
Mr. Robert D. Williams, Asst. Field Supervisor
FISH AND WILDLIFE SERVICE
U.S. DEPARTMENT OF THE INTERIOR
145 East 1300 South, Suite #404
Salt Lake City, UT 84115

Re: Atlas Uranium Mill Tailings Reclamation Formal Section 7 Consultation Pursuant to the Endangered Species Act of 1973, as amended -- Ammonia Analysis

Dear Mr. Williams:

Enclosed please find a copy of the ammonia analytical results as reported by Barringer Laboratories, Inc. on March 06, 1997. Atlas inadvertently omitted providing a copy of this information with our March 27, 1997 correspondence. The complete analytical report will be provided upon requested. In our most recent correspondence we noted that:

"Based on information provided by HLA (included in our February 1997 transmittal), the potential adverse effects attributed to ammonia have not been fully evaluated at this time. As you know, the NRC has not required Atlas to sample for ammonia. As a result, Atlas does not have much data on ammonia in the groundwater or the river. The State of Utah has been conducting additional sampling for ammonia in the river. However, recent sample results from river samples collected by Atlas do not show any increase in ammonia downstream from the tailings. Ammonia concentration upstream was measured to be 0.1 mg/l and was not detected downstream at a detection level of 0.1 mg/l. The samples were collected at our typical monitoring locations, with the downstream station being approximately one-quarter mile down river from the site.

HLA is continuing its work on the groundwater corrective plan evaluation and update which will be submitted to the NRC when it is completed. The issues related to ammonia and any 'mixing zone' will be addressed in detail at that time."

Please do not hesitate to contact me should you have further questions.

NL05

Sincerely,

Richard E. Blubaugh

cc: J. Holonich (NRC), V. Rai (DOI), T. Thompson (SPPT), W. Sinclair (UDEQ), D. Kimball (NPS), G. Ohland (HLA)

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BARRINGER LABORATORIES, INC.
15000 W. 6TH AVE., SUITE 300 GOLDEN, CO 80401 (303) 277-1687 FAX (303) 277-1689

6-Mar-97
Page: R-1
Job: 971355E
Status: Final

ATLAS MINERALS

Sample Id: Upstream
Lab Id: 971355-2 **Project:**
Date Sampled: 13-Feb-97 **Matrix: Water**

Analyte	Fraction	Method	Concentration	MDL	Date Analyzed
Arsenic	Dissolved	206.2	1 ppb	1	20-Feb-97
Selenium	Dissolved	270.2	3 ppb	1	20-Feb-97
Chloride	Dissolved	325.2	97 mg/l	4	26-Feb-97
Calcium	Dissolved	200.7	63.7 mg/l	0.2	20-Feb-97
TDS		160.1	540 mg/l	10	17-Feb-97
Sulfate		375.4	228 mg/l	25	26-Feb-97
Spec. Cond.		120.1	1500 µmh/cm	1	26-Feb-97
pH		150.1	8.05 unit	0.01	17-Feb-97
Ammonia as N		350.1	0.1 mg/l	0.1	20-Feb-97
Chromium	Dissolved	200.7	U ppb	2	20-Feb-97
Molybdenum	Dissolved	200.7	4 ppb	2	20-Feb-97
Nickel	Dissolved	200.7	U ppb	4	20-Feb-97
Vanadium	Dissolved	200.7	U mg/l	0.01	20-Feb-97
Silver	Dissolved	200.7	U mg/l	0.01	20-Feb-97

Sample Id: Downstream
Lab Id: 971355-3 **Project:**
Date Sampled: 13-Feb-97 **Matrix: Water**

Analyte	Fraction	Method	Concentration	MDL	Date Analyzed
Arsenic	Dissolved	206.2	1 ppb	1	20-Feb-97
Selenium	Dissolved	270.2	2 ppb	1	20-Feb-97
Chloride	Dissolved	325.2	107 mg/l	4	26-Feb-97
Calcium	Dissolved	200.7	60.4 mg/l	0.2	20-Feb-97
TDS		160.1	554 mg/l	10	17-Feb-97
Sulfate		375.4	198 mg/l	25	26-Feb-97
Spec. Cond.		120.1	1030 µmh/cm	1	26-Feb-97
pH		150.1	8.11 unit	0.01	17-Feb-97
Ammonia as N		350.1	U mg/l	0.1	20-Feb-97
Chromium	Dissolved	200.7	U ppb	2	20-Feb-97
Molybdenum	Dissolved	200.7	2 ppb	2	20-Feb-97
Nickel	Dissolved	200.7	U ppb	4	20-Feb-97
Vanadium	Dissolved	200.7	U mg/l	0.01	20-Feb-97
Silver	Dissolved	200.7	U mg/l	0.01	20-Feb-97