

July 9, 2008

Mr. Tom Hardgrove, Project Manager
Pathfinder Mines Corporation
Lucky Mc Uranium Mill
P.O. Box 730
Mills, Wyoming 82644

SUBJECT: REVIEW OF PATHFINDER MINES CORPORATION'S REQUEST FOR A
MODIFICATION TO LICENSE CONDITION NO. 60A REGARDING THE REMOVAL
OF WELLS AL-8 AND AL-9 FROM THE GROUNDWATER MONITORING
NETWORK AT THE LUCKY MC URANIUM MILL SITE, LICENSE AMENDMENT
NO. 72 TO SOURCE MATERIALS LICENSE SUA-672

Dear Mr. Hardgrove:

By letter dated April 17, 2008, Pathfinder Mines Corporation (PMC) requested that License Condition No. 60A of the Lucky Mc Uranium Mill (Lucky Mc) Source Materials License (SML) SUA-672 be amended. License Condition No. 60A states that the licensee shall implement a compliance monitoring program containing sample wells (including AL-8 and AL-9) on a quarterly frequency. Your request is to modify License Condition 60A to remove AL-8 and AL-9 (the offsite wells) from the groundwater monitoring network.

The U.S. Nuclear Regulatory Commission (NRC) staff has reviewed your request and supporting report and concurs with PMC's conclusion that wells AL-8 and AL-9 do not provide any additional protection of human health and the environment.

License Condition No. 60A is changed to read as follows:

60. Based on the application for Alternate Concentration Limits for ground water, dated December 21, 2000, as revised January 11, 2002, and November 4, 2002, and the license amendment request dated April 17, 2008, the licensee shall implement a compliance monitoring program containing the following:
 - A. Sample wells TI-12 (POC), AL-1, AL-6 (POE), AL-7, and T1-6 (background) on a quarterly frequency for chloride, nitrate + nitrite, TDS, sulfate, pH, conductivity, water level, arsenic, beryllium, cadmium, chromium, nickel, combined radium-226 and 228, thorium-230, selenium, and uranium.

The staff's safety review is documented in the enclosed Technical Evaluation Report, (Enclosure 1). Accordingly, the staff has determined that PMC's request to amend the PMC Lucky Mc - SML SUA 672 is acceptable. The staff hereby approves PMC's license amendment request and has modified License Condition No. 60A as described above. These modifications to PMC Lucky Mc's license are provided as Amendment No. 72 to SML SUA-672 (Enclosure 2).

If you have any questions regarding this letter, please contact Mr. Ted Carter, Project Manager for the PMC Lucky Mc site, at (301) 415-5543, or by e-mail at Ted.Carter@nrc.gov.

In accordance with 10 CFR 2.390 of the NRC's "Rules of Practice," a copy of this letter will be available electronically for public inspection in the NRC Public Document Room or from the Publicly Available Records component of NRC's Agency wide Documents Access and Management System (ADAMS). ADAMS is accessible from the NRC Web site at <http://www.nrc.gov/reading-rm/adams.html>.

Sincerely,

/RA/

Keith I. McConnell, Deputy Director
Decommissioning and Uranium Recovery
Licensing Directorate
Division of Waste Management
and Environmental Protection
Office of Federal and State Materials
and Environmental Management

Programs

Docket No.: 40-2259
License No.: SUA-672

Enclosure:
1. Technical Evaluation Report
2. Amendment No. 72

cc: K. Frederick, WDEQ
M. Thiesie, WDEQ

T. Hardgrove

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Sincerely,

/RA/

Keith I. McConnell, Deputy Director
Decommissioning and Uranium Recovery
Licensing Directorate
Division of Waste Management
and Environmental Protection
Office of Federal and State Materials
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Programs

Docket No.: 40-2259
License No.: SUA-672

Enclosure:
1. Technical Evaluation Report
2. Amendment No. 72

cc: K. Frederick, WDEQ
M. Thiesie, WDEQ

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