



# PATHFINDER

August 28, 2006

Mr. William Von Till  
Chief, Uranium Processing Section  
Fuel Cycle Facilities Branch  
Division of Fuel Cycle Safety and Safeguards  
Office of Nuclear Material Safety and Safeguards  
U.S. Nuclear Regulatory Commission  
11545 Rockville Pike  
Rockville, Maryland 20852-2738

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

Dear Mr. Von Till:

Condition 22 of the referenced license requires the submittal of the results of effluent and environmental monitoring in accordance with 10 CFR 40.65. This is to advise you that no effluent or environmental monitoring was done during the first and second quarters of 2006 at the Lucky Mc tailings site, consistent with amendment number 64 to the license. The ground water monitoring results for the first and second quarters, 2006, were submitted to the NRC on July 27, 2006 in a separate report pursuant to condition 60 of the license. Enclosed is the annual land use survey required by condition 21 of the license.

Sincerely,

T. W. Hardgrove  
Manager, Reclamation Operations

Encls.

cc: D. B. Spitzberg, U.S. NRC – Region IV  
D. L. Wichers

PATHFINDER MINES CORPORATION  
Lucky Mc Mine  
SUA-672, License Condition No. 21

Annual Land Use Survey Report  
August 28, 2006

General land uses within five miles of the Lucky Mc restricted area boundary:

Land uses during 2005-2006 within five miles of the Lucky Mc restricted area boundary did not change significantly from what was reported for the previous year. The nearest (and only) full-time residence continued to be located 4.8 miles to the north-northwest of the northwest corner of the restricted area fence. Two adult individuals live full time at this ranching operation. A domestic water well is utilized at the site. Cattle have been grazing on the adjacent open range during late spring through the fall when they are typically removed for the winter.

A small bentonite mine has been permitted with the Wyoming Department of Environmental Quality approximately one mile east of the east restricted area boundary, but that operation has not been active to date.

Pathfinder activities relating to the restricted area included periodic monitoring of the site status, installation of protective barrier posts around the long term monitor wells, quarterly well sampling, and some site surveying/boundary corner monuments installation relating to site transfer to DOE.

Aside from the one noted above, there are no other residences within five miles of the restricted area boundary. No other potable water source was utilized in the area this past year. Livestock and wildlife have utilized surface stock watering ponds which occur within five miles of the restricted area boundary. The closest pond to the restricted area, the mine runoff settling pond immediately to the east of Tailings Pond #1, was fenced during the spring, 2003 to exclude cattle from the pond and the adjacent reclamation. The dam for that pond was intentionally breached in late 2005 as part of the mine reclamation. There is a stock watering well located just east of Reid Draw some two miles north of the north end of the restricted area.

No uranium mining occurred during the past year in the Gas Hills. Pathfinder's activities at its mine site to the south of the restricted area were limited to mine monitor well sampling and fence maintenance. Contractors to the State of Wyoming also worked on various Abandoned Mine Lands reclamation projects in the Gas Hills.

The primary recreational use of the subject area continued to be the sport hunting of antelope, deer, and sage hens during the fall months, and cottontail rabbits and coyotes from fall through winter.