



September 21, 2005

Mr. Gary Janosko, Branch Chief
Fuel Cycle Facilities Branch
Division of Fuel Cycle Safety and Safeguards
Office of Nuclear Material Safety and Safeguards
U.S. Nuclear Regulatory Commission
Washington, DC 20555-0001

Re: Docket No. 40-6622
License No. SUA-442

Dear Mr. Janosko:

Enclosed please find the annual land use survey covering 2004-2005 as required by condition 21 of Source Material License SUA-442. Please call if you have any questions.

Sincerely,

A handwritten signature in cursive script that reads 'Tom Hardgrove'.

T. W. Hardgrove
Manager, Reclamation Operations

Enclosure

cc: J. Whitten, USNRC, Region IV
D. L. Wichers, PMC

**Annual Land Use Survey
2004-2005
Pathfinder Mines Corporation
Shirley Basin Mine
Source Material License SUA-442**

September 21, 2005

Pursuant to condition 21 of Source Material License SUA-442, a review of the land use status within five miles of the restricted area boundary was conducted. There were no significant changes in land use over the past year compared to what was described in the last survey report. Aside from the Heward Ranch noted below, there were no private residences within five miles of the site. An employee of the consulting firm supplying surveying and materials testing services for the tailings reclamation has resided part time in a mobile laboratory/living quarters trailer parked near the Shirley Basin Mine office. No new private or public potable water or agricultural wells were completed within five miles of the restricted area boundary. Activities at the Pathfinder site consisted of tailings reclamation work by a contractor, water management within the restricted area, mine shop demolition, and adjacent mine reclamation.

The primary agricultural use of adjacent lands was cattle and sheep grazing. The Heward Ranch, some three miles southeast of the restricted area, continued to be the nearest agricultural residence. Grazing utilization did not change appreciably from the previous year. Wildlife such as pronghorn antelope, deer, sage grouse, and various non-game species continue to utilize the habitat available in the general area. No new nonresidential structures were built within the area of concern, and uses of existing structures did not change. There was some mineral claim staking activity in the general area on Federal land. Limited recreational utilization of the public lands adjacent to the restricted area continued in the form of hunting, primarily during September-October. The Jenkins Pit, reclaimed by the Abandoned Mine Lands Program as a lake, remains open to public access for fishing. The lake is located south-southeast of the Pathfinder site.