



Rio Algom Mining LLC

January 11, 2007

ADDRESSEE ONLY

Mr. Tom McLaughlin
U.S. Nuclear Regulatory Commission
Mail Stop 7T-7-E18
Washington, DC 20555

Re: **License SUA-1473, Docket No. 40-8905**
Proposed Modification to Environmental Monitoring Program

Dear Mr. McLaughlin,

By this letter and attachment, Rio Algom requests NRC approval to relocate one of the environmental monitoring stations established at the Ambrosia Lake facility. Relocation of the existing station is necessary to allow for ongoing reclamation construction activities to proceed. Rio Algom intends to relocate the station approximately 700 feet north of the present location.

If you have any questions or need additional information, please do not hesitate to call me at (505) 287-8851.

Regards,

Peter Luthiger
Manager, Radiation Safety
and Environmental Affairs

Attachment: As Stated

xc: T. Fletcher
NRC - Document Control
file

Rio Algom Mining LLC
License SUA-1473, Docket No. 40-8905
Proposed Modification to Environmental Monitoring Program

Rio Algom requests NRC approval to relocate one of the environmental monitoring stations established at the Ambrosia Lake facility. Relocation of the existing station designated as "Mill Diversion" is necessary to allow for ongoing reclamation construction activities to proceed.

Rio Algom presently has 7 environmental monitoring stations established, two of which were recently added for purposes of monitoring the relocation of the Section 4 lined pond sediments. Each monitoring station provides direct gamma radiation, environmental radon, and air particulate data. This data is reported within the semi-annual effluent reports submitted pursuant to license condition 19.

The sampling location identified as Mill Diversion is located approximately 400 feet north of Pond 9 (Figure 1). The power supply for this location is provided by a power line that was used to facilitate pumping needs associated with the groundwater corrective action program (CAP). With approval of the alternate concentration limits (ACL) for the site, reclamation and closure of the CAP related facilities, including Pond 9, is scheduled to commence in the spring 2007. This will require the removal of the powerline that feeds the Mill Diversion sampling station.

Rio Algom intends to eliminate approximately 3000 feet of the powerline. The nearest power source for the sampling station will be approximately 700 feet north of the present location (Figure 1). Rio Algom anticipates that data will be obtained from the proposed location will be similar/consistent to that obtained in the current location.

Upon approval, which Rio Algom believes should be straightforward, Rio Algom will initiate the relocation phase to the proposed new location and re-establish the station in a similar fashion so that the same environmental data will be collected for the duration of the reclamation activities.

Rio Algom Mining LLC
License SUA-1473 Docket 40-8905
Proposed Relocation of Existing Environmental Monitoring Location - Mill Diversion

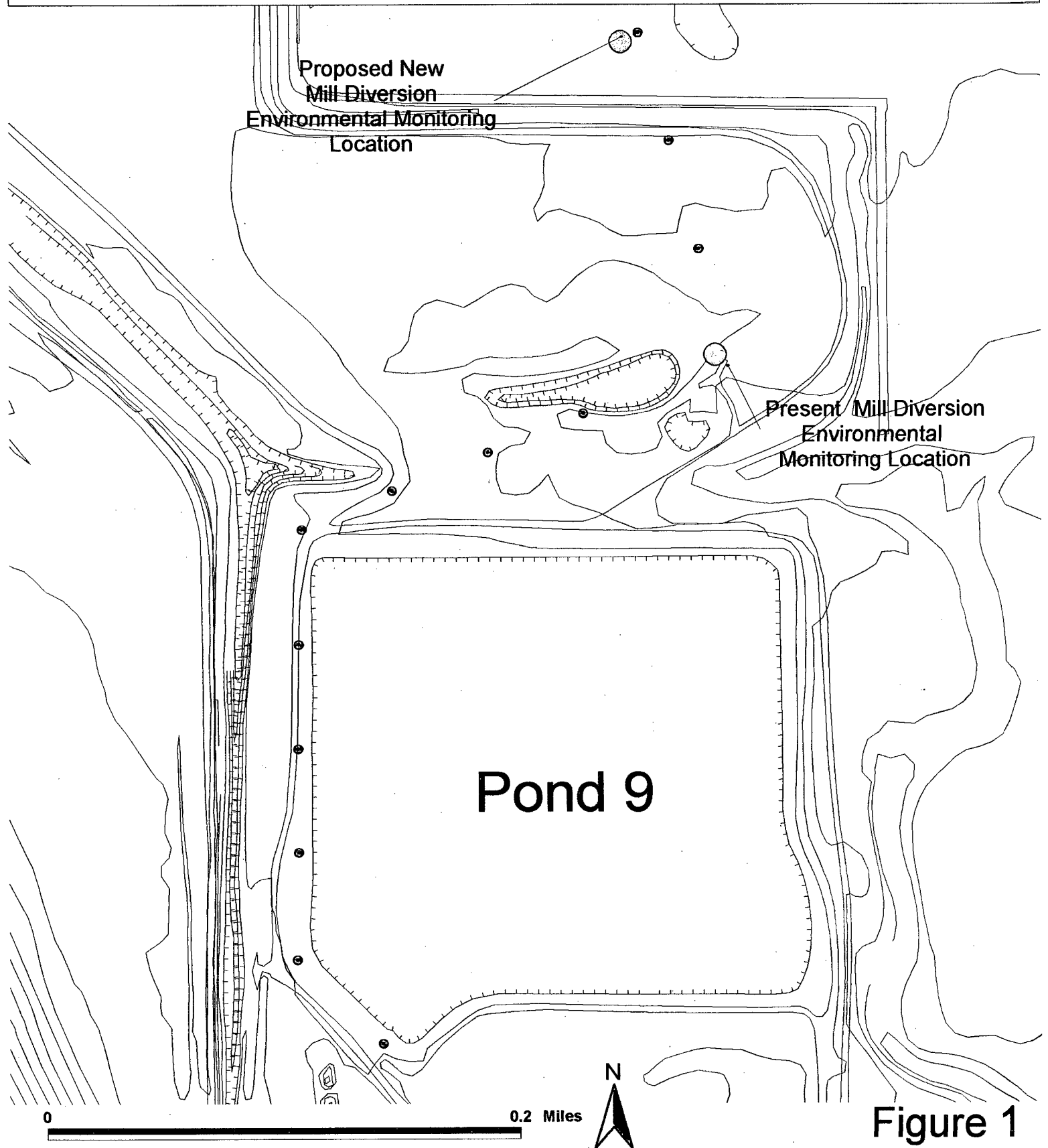


Figure 1