

Rio Algom Mining LLC

ADDRESSEE ONLY

Mr. Tom McLaughlin, Project Manager
U.S. Nuclear Regulatory Commission
Mail Stop T-8F5
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 two of the environmental monitoring stations established at the Ambrosia Lake facility. Relocation of the existing stations is necessary to allow for ongoing reclamation construction activities to proceed. Rio Algom intends to relocate the first station approximately 160 feet west of the present location. The second station would be located approximately 252 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 x 11.

Regards,



Terry Fletcher
President

Attachment: As Stated

xc: Don Sweeney
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 two of the environmental monitoring stations established at the Ambrosia Lake facility. Relocation of the first existing station designated as "Mill Diversion" is necessary to allow for ongoing reclamation construction activities to proceed. The second existing station designated as "North Fence" is necessary to allow for ongoing reclamation construction activities to proceed.

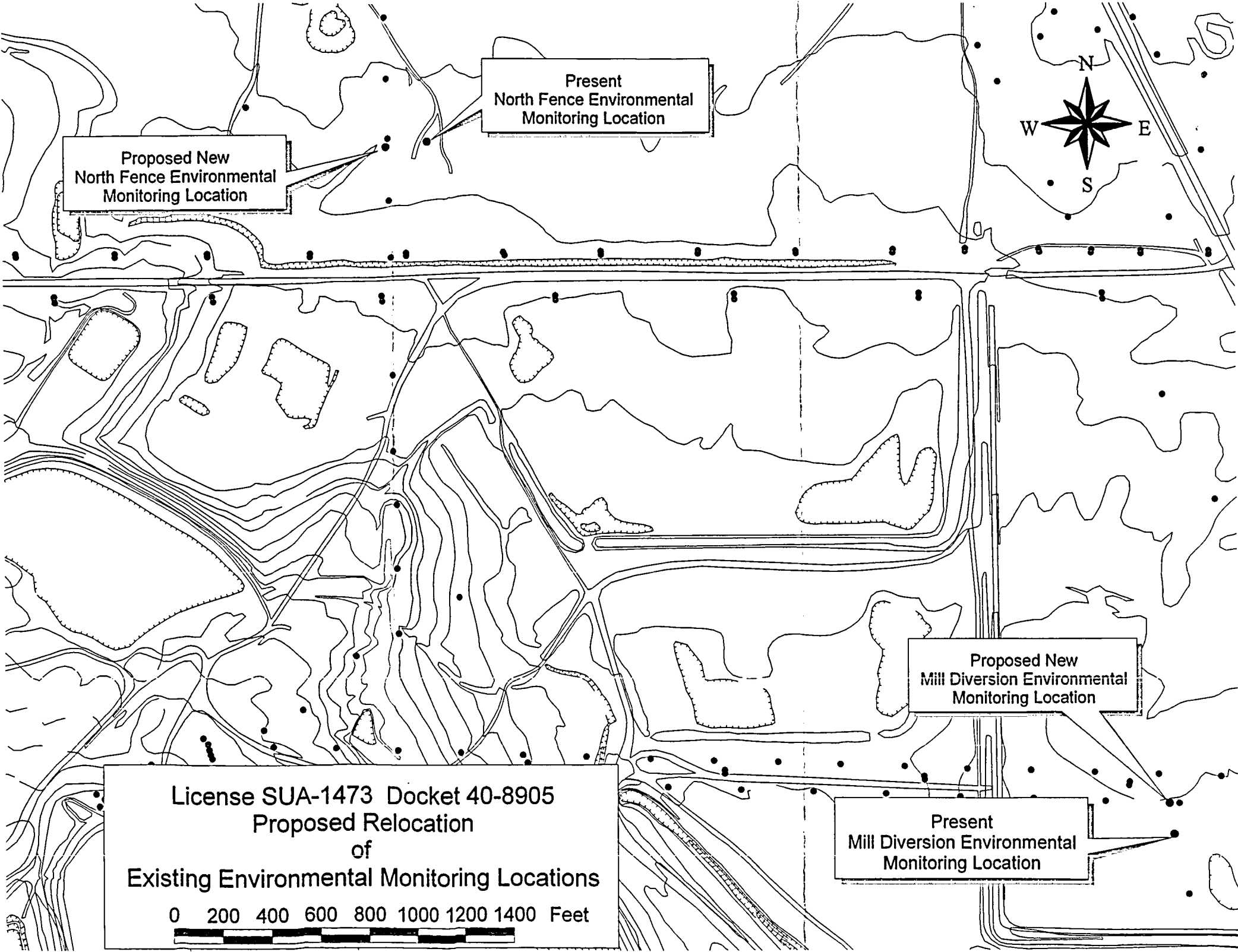
Rio Algom presently has 7 environmental monitoring stations established, two of which were recently added for purposes of monitoring the relocation of the Section 4 lined pond sediments. Each monitoring station provides direct gamma radiation, environmental radon, and air particulate data. This data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

The sampling location identified as Mill Diversion is located approximately 1,100 feet north of Pond 9 (Figure 1). The power pole supplying the present location will be in the proposed 1000yr diversion berm. Relocation of the station one pole directly north (252 feet) will allow construction of this berm. This construction is scheduled to commence in the spring 2008.

The sampling location identified as North Fence is located just north of the section 30 and 31 section line (Figure 1). The power supplying the present location will be in the proposed 1000 yr diversion berm. Relocation of the station one pole directly west (160 feet) will allow construction of this berm.

Rio Algom anticipates that data to be obtained from these proposed locations 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.



Proposed New
North Fence Environmental
Monitoring Location

Present
North Fence Environmental
Monitoring Location

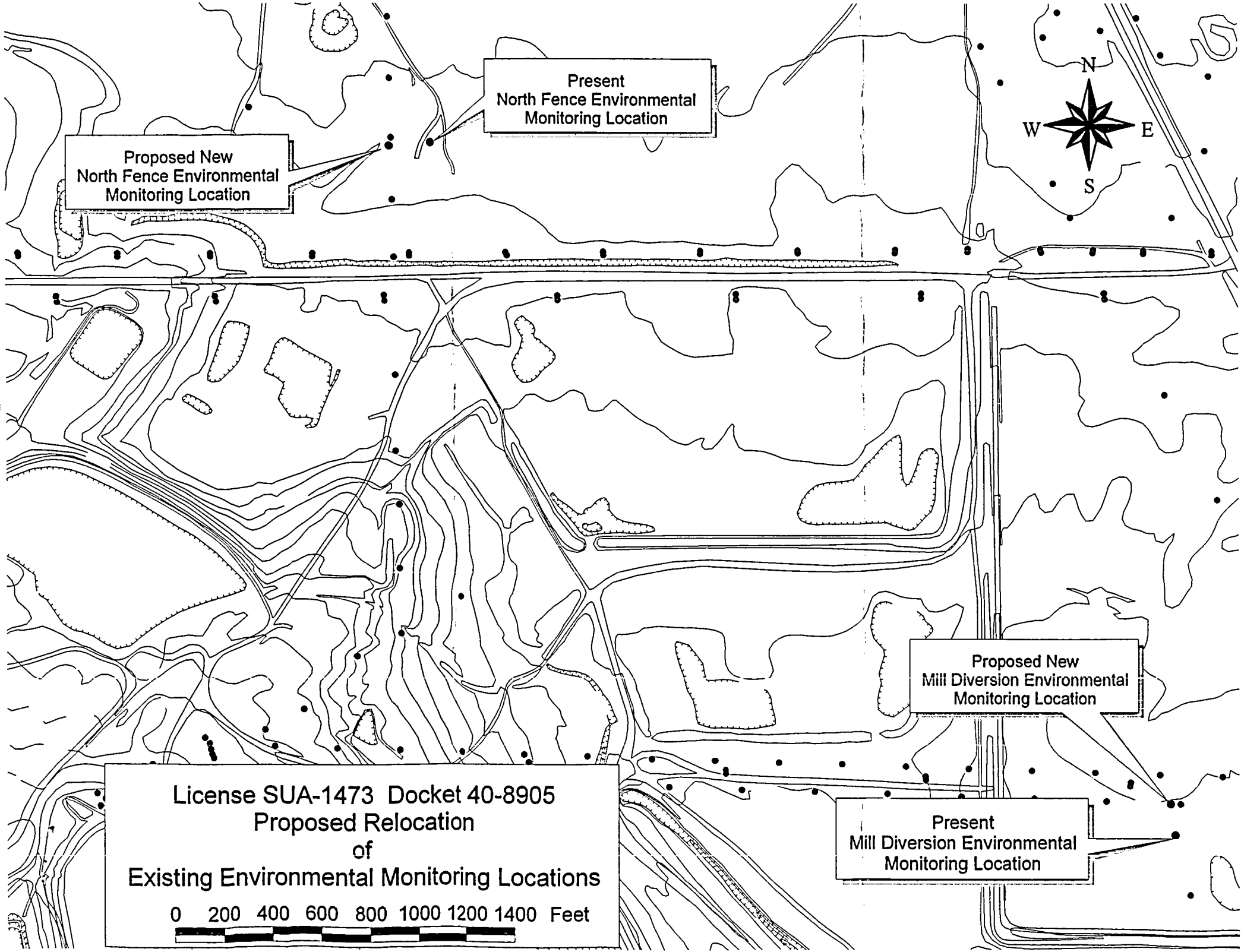


Proposed New
Mill Diversion Environmental
Monitoring Location

Present
Mill Diversion Environmental
Monitoring Location

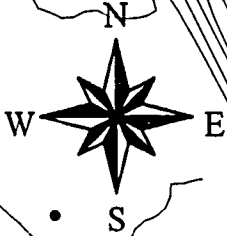
License SUA-1473 Docket 40-8905
Proposed Relocation
of
Existing Environmental Monitoring Locations

0 200 400 600 800 1000 1200 1400 Feet



Proposed New
North Fence Environmental
Monitoring Location

Present
North Fence Environmental
Monitoring Location



Proposed New
Mill Diversion Environmental
Monitoring Location

License SUA-1473 Docket 40-8905
Proposed Relocation
of
Existing Environmental Monitoring Locations

0 200 400 600 800 1000 1200 1400 Feet

Present
Mill Diversion Environmental
Monitoring Location