

# Rio Algom Mining LLC

September 8, 2009

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U.S. Nuclear Regulatory Commission  
11555 Rockville Pike  
Rockville, MD 20852-2738

Subject: Rio Algom Mining LLC; Docket 40-8905  
Ambrosia Lake Mill (SUA-1473)  
Design Report Errata  
Site Erosion Protection Measures

Dear Mr. McLaughlin,

Following a closer examination of the Design Report – Site Erosion Protection Measures from Surface Water Flow in the Arroyo Del Puerto, Revision 1 dated January 2008; several minor corrections were made to the document to clarify issues related to the construction of the Interior Channel. Attached you will find an errata sheet summarizing the corrections.

The list of corrections was provided by Tetra Tech and none of the corrections alter the design or the functionality of the channel.

Please contact me at (505) 287-8851, extension 11 if you have any questions regarding this submittal or wish to discuss this matter.

Regard,



Terry Fletcher  
President

Attachment: Design Report Errata

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## ERRATA

DESIGN REPORT: Site Erosion Protection Measures From Surface Water Flow in the Arroyo Del Puerto, Ambrosia Lake Mill (SUA-1473), Ambrosia Lake, New Mexico, January 2008, Revision 1

Location	Item
Page 46, Table 4.2; Column: Rock Placement Area:	Station MC 10+25 through Station MC 27+50, the Rock Size $D_{50}$ should be 7.8 inches, not 3.2 inches.
Section 8.1, Design Drawing Sheet 4	Channel rock $D_{50}$ in the Interior Channel is displayed as 3.2" (orange); the correct rock size for this area is a $D_{50} = 7.8$ " (blue).
Section 8.1, Design Drawing Sheet 5, Note 6	Thickness of 16" of $D_{50}=7.8$ " from Station 7+90 to Station 10+25 should be from Station 8+00 to Station 10+25. Note, the Inlet Apron from Station 7+90 to 8+00 should be 18" thick.
Section 8.1, Design Drawing Sheet 5, Note 11	"Channel Bottom Width" lists 125 feet to 160 feet from station 10+25 to 43+00 and 160 feet to 190 feet from station 43+00 to 56+00. 160 feet width should be 165 feet for both stationing references.
Section 8.1, Design Drawing Sheet 5, Detail B - B'	In detail B-B', the note for the "Scour Depth" references Note 13. Note 12 should be referenced .
Section 8.2, Design Drawing Sheet 4 of 13 Detail, Pond 3 Sideslope Erosion Protection at Crest (upper left)	Detail incorrect – shows one layer of rock with a $D_{50}$ of 12". The correct detail should have a 6 " layer of $D_{50} = 3.2$ " rock over a filter/bedding layer of 6 " thickness of $D_{50} = 1$ " extending to slope erosion protection. Note should be changed to: Match $D_{50} = 1$ " (Pond 3 Surface) with $D_{50} = 3.2$ " at surface (topslope).