

Rio Algom Mining LLC

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October 24, 2007

ADDRESSEE ONLY

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

Subject: **Rio Algom Mining, LLC; Docket 40-8905
Erosion Protection Design for Surface Water
Flow in the Arroyo Del Puerto**

Dear Mr. McLaughlin,

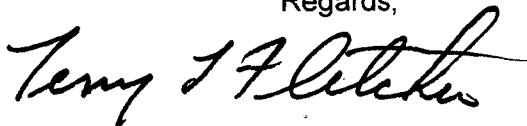
Please find attached to this letter Rio Algom Mining LLC's (RAML) three copies of the submittal *Site Erosion Protection Measures From Surface Water Flow in the Arroyo Del Puerto* for the Ambrosia Lake Mill Facility, Ambrosia Lake, New Mexico.

The design approach and calculation methods for the submittal follow NRC criteria and were developed based on discussions with NRC prior and subsequent to a meeting held at the site on August 22, 2007 with NRC, RAML, and contractor personnel. This design submittal is in response to previous NRC concerns of the potential lateral migration of the Arroyo del Puerto and to ensure long-term stability for the disposal cell construction at former Pond 3, and for Ponds 4, 5, and 6 at the site related to surface water flows along the arroyo.

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

Regards,

Terry Fletcher
President



Attachment: As stated

Copies: T. Johnson (NRC)
R. Pleiness (DOE)
File