

From: Ostritchenko, Dmitri
Sent: Thursday, June 05, 2014 4:22 PM
To: 'Luke Moger'
Cc: Witte, Andrew; Marquis, Luke
Subject: Proposed Construction Plan

Luke,

AMEC approves the proposed construction plan to place till core material in laps lifts (0.3m in height) around the embankment from perimeter pipe crossing and tie into the south embankment or as needed, to systematically and evenly increase the till core elevation from 967.0m to 967.3 to 967.6 and onward.

AMEC understands that the water being diverted from the TSF impoundment will not be diverted back into the TSF until a minimum freeboard of 1.5 m is established (projected to be July 1, weather dependent); However, AMEC will defer the decision to Ministry of Mines to establish the minimum freeboard timeframe, and when the water diversion back into the TSF can occur.

Filter material, should follow till core placement, as indicated in AMEC Construction Manual, if any deviation from the specification is required, they are to be addressed on a case by case basis, and area by area. AMEC also understand that a new processing plant is scheduled to be utilized for filter production. Additional testing during initial production cycles of the filter material should be conducted to verify consistency of the crusher and to ensure the material produced meets the specifications. To assess the consistency/spec of the material, produced aggregate should be tested initially every 500 m³ or so, until consistency and specification is verified, the testing can relax to 1000 m³ and than 5000m³ or so if material consistency is maintained and the material is within spec. This testing frequency should reduce amount of out of spec material produced, thus reducing waste.

Regular testing of filter material is still required as per the AMEC Construction Manual, to verify that the filter material remains within specification and does not segregate prior or during placement.

Upstream fill should be maintained at a minimum 0.9 m above the TSF pond elevation to protect the core and assist with till core placement.

Let me know if there any comments or questions,

Thanks,

Dmitri Ostritchenko, EIT
Geotechnical Engineer
AMEC Environment & Infrastructure
3456 Opie Crescent
Prince George, BC, V2N 2P9
Phone: (250) 564-3243 Fax: (250) 562-7045
Cell
dmitri.ostritchenko@amec.com
www.amec.com