

RE: GCL Panel Layout

Rykaart, Maritz

Sent: Tuesday, April 12, 2011 10:45 AM**To:** Mark Valeriote [markv@jdsmining.ca]**Cc:** Jerry Graham [jerryg@jdsmining.ca]; Simon Chipper [simonc@nunalogistics.com]; Nick Stoneberger [nicks@nunalogistics.com]; Miskolczi, Iozsef; Wade, Lowell; Kurylo, John; Bay, Hope

Mark

Thanks. I assumed that was to be the case.

Maritz

From: Mark Valeriote [mailto:markv@jdsmining.ca]**Sent:** Tuesday, April 12, 2011 10:44 AM**To:** Rykaart, Maritz**Cc:** 'Jerry Graham'; 'Simon Chipper'; 'Nick Stoneberger'; Miskolczi, Iozsef; Wade, Lowell; Kurylo, John; Bay, Hope**Subject:** RE: GCL Panel Layout

Maritz,

We will prepare an as-built survey of all GCL panels placed.

Mark

From: Rykaart, Maritz [mailto:mrykaart@srk.com]**Sent:** Tuesday, April 12, 2011 11:41 AM**To:** Mark Valeriote**Cc:** Jerry Graham; Simon Chipper; Nick Stoneberger; Miskolczi, Iozsef; Wade, Lowell; Kurylo, John; Bay, Hope**Subject:** RE: GCL Panel Layout

Mark

Thanks for your quick response to this. The GCL Panel Layout and installation plan as proposed is consistent with our expectations.

Regards

Maritz

From: Mark Valeriote [mailto:markv@jdsmining.ca]**Sent:** Tuesday, April 12, 2011 10:32 AM**To:** Rykaart, Maritz**Cc:** 'Jerry Graham'; Simon Chipper; Nick Stoneberger**Subject:** RE: GCL Panel Layout

Maritz,

I have discussed GCL installation with Nuna (Simon Chipper) and offer the following:

1. It is our intent to install the lower GCL panels, as best possible/practical, following the layout that SRK (attached) used to determine material quantities. However, at this time we are uncertain whether we will place the lower panels in their entirety. It may be the case that we only install lower panels between say Sta. 0+50 and Sta. 1+30 to ensure that we have containments to El. 29.8 m. In addition, I hope that we find ourselves in a possible to place GCL south of Sta. 0+85 before placing GCL north of that location.
2. GCL installation will commence once the surfaces (top of levelling course, 2.5H:1V slope, and crest of fillet) on which the GCL will be placed is approved by SRK.
3. The GCL roll will be supported using a spreader bar that will most likely be held by an excavator.
4. The GCL panels will be placed as best possible oriented perpendicular to the dam's longitudinal axis.
5. At the location (Sta. 0+85) where the perpendicular orientation changes slightly we will place a full panel width on top of the two underlying panels.
6. All panel joints that run perpendicular to the dam's longitudinal axis will be placed such that the higher liner overlaps the lower liner.
7. We will attempt to eliminate individual panel joints occurring on the 2.5H:1V slope. However, should a panel joint occur on the 2.5H:1V slope the higher panel will overlap the lower panel. Ballast will be used to hold the panels in place while backfilling.
8. Ballast will be used to hold panels in place until covered with frozen core material.

Should you wish to discuss this matter please contact me (604.523.4133) at your convenience.

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From: Rykaart, Maritz [mailto:mrykaart@srk.com]
Sent: Tuesday, April 12, 2011 8:30 AM
To: Mark Valeriotte
Subject: GCL Panel Layout

Mark

I understand that there was a disagreement about the placement of GCL between Iozsef and yourself this morning. Iozsef did not completely accurately convey my discussion on liner placement to you and I believe that is what is causing you grief. I believe if we can get your proposed GCL panel layout plan prior to placement of the material that would allow all of us to be on the same page, so I look forward to receiving that.

Regards
Maritz

Maritz Rykaart *Ph.D., P.Eng.*

Principal Consultant



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