



State of Utah

JON M. HUNTSMAN, JR.
Governor

GARY HERBERT
Lieutenant Governor

Department of
Environmental Quality

Richard W. Sprott
Executive Director

DIVISION OF RADIATION CONTROL
Dane L. Finerfrock
Director

August 19, 2008

Mr. Harold R. Roberts
Executive Vice President – US Operations
Denison Mines (USA) Corp. (DUSA)
1050 17th Street, Ste. 950
Denver, CO 80225

Dear Mr. Roberts:

SUBJECT: White Mesa Uranium Mill Cell 4A
Overflow Spillway from Cell 3 to 4A
Design Modification Approval

We received an email from DUSA dated August 11, 2008 which provided a GeoSyntec drawing for modifying the overflow spillway from cell 3 to 4A. We engaged in an iterative process involving our telephonic and email comments on August 13 and 14, 2008 respectively. Correspondingly, we received emails from DUSA each conveying unique revisions to the drawing on August 14 and 15, 2008 respectively.

We have reviewed this information, and **hereby approve** the engineering design modification as received by email August 15, 2008, and described in the attached drawing by GeoSyntec titled *Spillway Splash Pad Anchor*, dated August 2008, project no. SC0349. The approved drawing includes four separate listed notes that also help describe the work. This modification adds a 64-foot wide 60-mil HDPE geomembrane splash pad to the downstream side of the new spillway. This width is to accommodate a potential PMF flood stage of 2.75 feet, which corresponds to the 64-foot width.

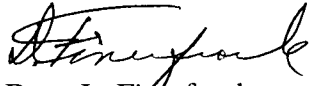
The HDPE splash pad is to be extrusion welded to the upper geomembrane liner of the cell on three sides, but as shown on the drawing, fastened at the top to the concrete spillway with a continuous or spliced steel batten bar, with anchor bolts at 12-inches on center. It is understood the HDPE splash pad sheets are to be welded together.

As documented in previous correspondence, the discharge edge of the spillway was completed approximately 1-foot above the DRC approved discharge elevation, as a result of deletion of a beveled taper of the concrete spillway to the upper geomembrane surface. Therefore, a splash pad addition was deemed necessary to protect the upper HDPE geomembrane adjacent the spillway from forces related to possible flood flow, and the mentioned drop in elevation.

Mr. Harold Roberts
August 19, 2008
Page 2

If you have any questions on the above, please contact Mr. Rupp.

Sincerely,
UTAH RADIATION CONTROL BOARD



Dane L. Finerfrock
Executive Secretary

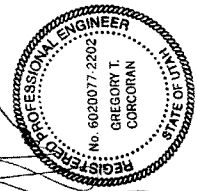
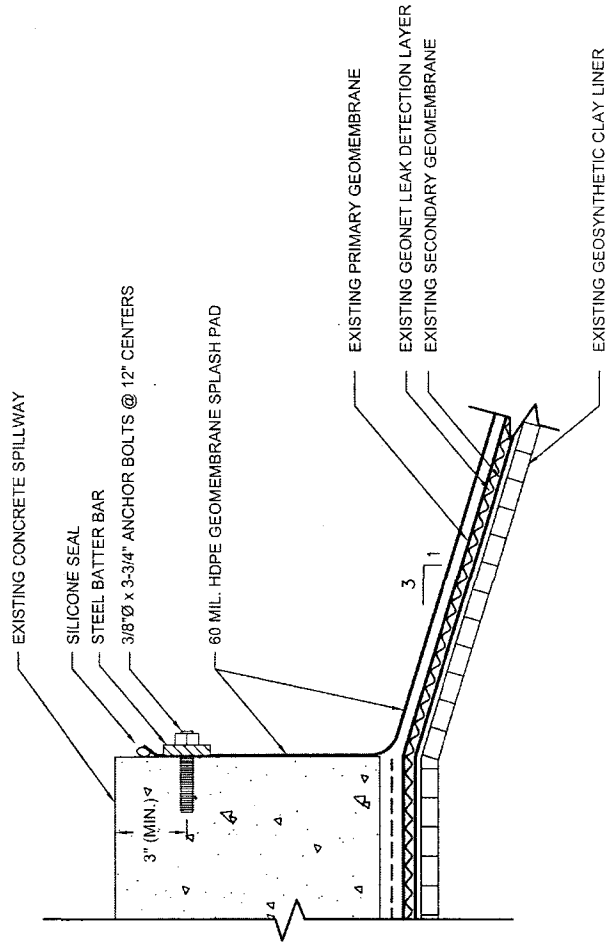
Attachment

LBM:DAR:dr

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NOTES:

1. SPLASH PAD WILL BE EXTRUSION WELDED TO PRIMARY GEOMEMBRANE.
2. EXTEND SPILLWAY SPLASH PAD A MINIMUM OF 20 FEET DOWN THE SLOPE.
3. STEEL BATTER BAR TO BE CONTINUOUS, OR SPLICES SECURED WITH ANCHOR BOLTS 1.5 INCHES EACH SIDE OF THE SPLICE.
4. SPLASH PAD TO EXTEND 32 FEET EACH WAY FROM THE CENTERLINE OF THE SPILLWAY (22 FEET UP EACH SLOPED SECTION).



NOT TO SCALE

SPILLWAY SPLASH PAD ANCHOR DENISON MINES CELL 4A BLANDING, UT	
Geosyntec consultants	DATE: AUGUST 2008
	PROJECT NO. SC0349
FIGURE 1	

Attachment