TO: Peer-to-Peer Mine Water Control Dialogue participants

From: Paul Robinson

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SUBJECT: Recommendations of Sources of Information for matters discussed during Webinar 6

I. Solar Project installed on Questa mill tailings –
This web page shows the 1 megawatts solar power station built on the covered tailings at the Questa molybdenum mine.

II. Cold temperature limits for HDPE liners –
HDPE 60mil: - "Tested value" -70°C, -94°F ASTM D746; - "Welding limit" -25°C, -13°F

III. Information on underground cutoff wall
1) http://www.geocon.net/vertical-barriers-slurry-walls.asp
"Vertical Barriers/Slurry Wall - Vertical Barriers or Slurry Walls (also known as Cutoff Walls or Slurry Trenches) offer a cost-effective solution to groundwater control problems."

"Design of Low Permeability Barriers to Limit Subsurface Mine Water Seepage"

IV. Mine reclamation for sustainable renewable energy production:

1) http://www.powermag.com/turning-brownfields-greenfields-coal-clean-energy/
"Turning Brownfields into Greenfields: From Coal to Clean Energy"

2) A report I did proposing a solar power station on the reclaimed portions of the Black Mesa Coal Mine which could be used as a model for assessing the solar power potential of the Zakamensk sites, as well as Kholobdinsky and Tungnusky coal mines.