

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

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I. Solar Project installed on Questa mill tailings –

<http://www.businesswire.com/news/home/20110419006864/en/Chevron-Starts-Operations-1-MW-CPV-Solar>

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 –

<https://www.layfieldgroup.com/Geosynthetics/Tech-Notes/Cold-Temp-Handling-Guide.aspx>

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."

2) [http://www.connectedwaters.unsw.edu.au/sites/all/files/publication\\_related\\_files/TIMMS\\_2013%20AusIMM%20low%20permeability%20barriers%20for%20groundwater%20and%20mining.pdf](http://www.connectedwaters.unsw.edu.au/sites/all/files/publication_related_files/TIMMS_2013%20AusIMM%20low%20permeability%20barriers%20for%20groundwater%20and%20mining.pdf)

"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 Tungnuskoy coal mines.

"Investigation of the Solar Power Potential of Reclaimed Areas at the Black Mesa Coal Mine, Arizona, U.S," A Report to Black Mesa Water Coalition and To Nizhoni Ani under contract to Western Resource Advocates, May 28, 2010