

IEPA Meeting
Re: MWG Ash Pond
Wednesday May 5, 2010
Start: 10:30AM End: 12:30PM

See: Attendee List

- Bill C. gave opening – talking about bottom Ash – no fly ash is in the ponds. Bottom ash is sliced into lagoons. Reuse the material used in roadways and other beneficial projects all MWG coal is RRB coal WY. Typically every 2 years ponds are dug out and material reused. La Farge is under contract to take the material. Liner systems are checked and repaired as needed when they are emptied (dug out). No scrubbers in IL.
- Maria R. gave PowerPoint presentation on history of IEPA requests and plant specifics.
- Rick asked how river fluctuations could impact groundwater flow. Example is Powerton where 100 year flood could cause change in groundwater flow direction could spread impacts
- Maria R. potable well survey - presented well data - general. Rick asked about well conditions, non-community wells. Any wells identified are deep (1500+/- feet). Rick stated to keep eye on well integrity. He is seeing xxx Co. so indication of damaged/deteriorated well casing.
- Rick asked if there was potential for downward migration/flow in the Silurian as it may be dewatered/de-pressured since it has been pumped since the 1850's +/-
- Maria R. compared NPDES outfall test #'s that show numerical values below class I standards. Showed that you do not see much XXX from Buttom Ash. Maria proposed 2-3 wells down gradient, use boron as a marker and remove wells after a reasonable period of time.
- Rick believes non-degradation applies – need to establish background and you cannot go over backgrounds. EPA wants an up-gradient to est. background.
- Conceptually IEPA is okay with well at the property line (up-gradient) and a few down gradient – Rick wants cross sections and wants to understand the geology.
- If any contamination found – then if it can be kept on site and wells not impacted then would be appropriate
- IEPA's purpose now is to see if the Ash Ponds are leaking. No intent to look further but cannot state they will not.
- Look at Hudsonville – do all inorganics first. Once we have that then can go to a reduced risk. Need to read the Hudsonville STD/Reg/ Verdict to understand the “standard” the IEPA is applying.

COMP. Ex. 47

MWG13-15_37979

- Can test the XXXXXXXX/Ash to reduce the inorganic list to be tested for
- Test data that is submitted can be obtained by FOIA – so there is no protection that data cannot be obtained by others
- Rick also likes to look at the geotechnical balance – check ions & anions, etc.
- Duration of monitoring
 - Statistical background – T Test model 6 sample normalized.
 - Then reduced quarterly
 - Need to monitor while in operation
 - IEPA stated need to monitor as long as operating so no need ability to remove wells until source is gone – treat as “landfill like”
 - IEPA open to modified monitoring schedules – see Hudsonville.