

ANNA S SYSTEM: RELIABLE PASSIVE TREATMENT OF SEVERE ACID MINE DRAINAGE

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Abstract: The Anna S Passive Treatment Complex treats three acidic deep mine discharges. The system was constructed in 2003/04 and is the largest most costly passive treatment project implemented to date in Pennsylvania. The complex consists of two independent systems that each contain four parallel vertical flow ponds followed by constructed wetlands. The poster will describe the design of the systems and the first six years of treatment effectiveness. Current and future operation and maintenance efforts by the Babb Creek Watershed Association will be detailed. Unit treatment costs will be presented and compared to other treatment technologies.

Additional Keywords: acid mine drainage, passive treatment

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