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Sent: Friday, September 14, 2012 9:58 AM
To: Merritt, David
Cc: Konowal, Aimee M.; Poirot, Andy; Dale, Frank
Subject: Trout Creek Reservoir PAD

Mr. Merritt,

Thank you for the opportunity to review the Peabody Trout Creek Reservoir Project Pre-Application Document. The Water Quality Control Division (Division) has briefly reviewed and offers the following comments relating to the preliminary issues identified and proposed studies in Section 4. The Division supports the proposed potential studies with the following additions.

4.2.1 Water Resources

- The Division supports additional water quality sampling throughout the year but recommends sampling over multiple water years (possibly 3 full years depending on construction) to establish a baseline water quality condition. The Division recommends additional macroinvertebrate sampling.
- Supports temperature and dissolved oxygen stratification model.
- Supports model to determine expected outflow water quality.

4.2.3 Fish and Aquatic Resources

- The Division supports conducting water temperature monitoring year round but recommends that it be continued over multiple years.
- The Division recommends that water quality sampling be conducted over multiple years.
- The Division supports conducting studies to assess channel alignment and erosion downstream of the proposed dam.

If you have questions, please don't hesitate to contact me.

John

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