State Water Resources Control Board

Division of Water Rights
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Linda S. Adams
Secretary for
Environmental Protection

Arnold Schwarzenegger
Governor

July 3, 2008

Mr. Cory Scott
PacifiCorp
825 NE Multnomah, Suite 940
Portland, OR 97232

DATA REQUEST, KLAMATH HYDROELECTRIC PROJECT, FERC #2082

Dear Mr. Scott:

The State Water Resources Control Board (State Water Board) and the third-party consultant, ENTRIX, are in the process of reviewing existing information to determine the adequacy of the record to support a California Environmental Quality Act analysis of PacifiCorp's application for Clean Water Act, Section 401 water quality certification. While the review is not yet complete, State Water Board and ENTRIX staff have identified four potential data gaps that are time-sensitive. If these data are not in the record, there would be a need for data collection during the period of reservoir stratification in 2008.

If these data may be found, either in the existing record or through other sources with which PacifiCorp is familiar, please contact the State Water Board with the location by July 14, 2008. For data not already available, please contact me at jwatts@waterboards.ca.gov or at (916) 341-5397, as soon as possible (no later than July 14, 2008) to begin the process of developing a workplan for study implementation that PacifiCorp and ENTRIX could implement during the 2008 thermal stratification period. Because of the time constraints, the State Water Board expects that any necessary workplan be complete by July 24, 2008.

The potential data gaps are as follows:

1) Sediment analysis from the impoundment of Copco 1, (2) and Iron Gate dams. These analyses, preferably core samples to reflect sediment composition during both stratified and mixed reservoir conditions, are needed to provide analyses for a standard set of metals, nitrogen species, and phosphorous species and to support analysis of nutrient cycling in the impoundments, and of potential water quality effects of dam removal.

2) In situ bioassay of the effects of the algal toxin Microcystin on anadromous fish. These studies would preferably analyze fish tissue and liver concentrations, and the serum level of stress hormones.

3) A study to address the impact that fish exposure to Microcystin has on susceptibility to infection by the parasites *Ceratomyxa shasta* and *Parvicapsula minibicornis*.

4) Data regarding parasite concentrations of *Ceratomyxa shasta* and *Parvicapsula minibicornis* directly below Iron Gate Dam, at Bogus Creek, at Shasta River, and at points on the mainstem Klamath between Iron Gate Dam and the confluence with the Shasta River.

If the information is not already available, it may be possible to coordinate with ongoing studies by Oregon State University to gather data relating to numbers 3 and 4.

We appreciate your attention and assistance in this matter. If this information is not available, it is important that parties act quickly in order to conduct any necessary investigation or data collection during the 2008 summer season while the reservoirs are stratified (for the sediment analysis) and/or when algal bloom conditions exist (for the fish bioassays).

Please contact me at the above contact address or number with any questions you may have, or we can further discuss this matter at our site tour on July 10.

Sincerely,

ORIGINAL SIGNED BY

Jennifer Watts
Environmental Scientist
Water Quality Certification & Special Programs Unit

cc: Kimberly D. Bose
Secretary, Federal Energy Regulatory Commission
888 First Street, NE
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FERC service list for Project 2082

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