

December 21, 2009 [Submitted Electronically]

Lee H. Sim, P.E.,
Assistant State Engineer
1594 West North Temple, Suite 220
PO Box 146300
Salt Lake City, UT 84114-6300

SEAA 1248

Re: PacifiCorp Canals on Santa Clara River

Dear Lee,

PacifiCorp is in receipt of your letter dated November 30, 2009, regarding PacifiCorp's Santa Clara hydroelectric project water conveyance system.

In the letter, your office stated it had calculated canal losses of 81% utilizing PacifiCorp data. The formulas in your attached spreadsheet were examined and miscalculations were identified. Specifically, the equation that calculates flow is based on the time of the water level reading instead of the water level reading itself. This was performed for several of the measuring points including MP6, which caused the anomalous results reported in your letter. I have informed Mike Silva of your office of this finding.

More generally, your loss calculations are based on the *total* system, including reservoir losses on the system, over which PacifiCorp has no control. In your previous correspondence, PacifiCorp was directed to monitor and report on specific canal losses, not losses for the total system of diversions, reservoirs and canals.

PacifiCorp has complied with your earlier requests to improve the operation and maintenance of these diversions and canals, and is diligently monitoring and maintaining its Santa Clara River diversions and canals. In addition, PacifiCorp collects flow measurement data from our diversions and at different points along the canals. Under the direction of the Division of Water Rights, we utilize that data to calculate the losses at specific points on the canals and then formulate and submit reports to your office, pursuant to your request.

If you wish to discuss any of these matters in greater detail, please call me directly at 801-220-4636 and I can provide further explanation.

Regards,



Connely Baldwin
Hydrologist

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Lee H. Sim, P.E., Assistant State Engineer
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cc: Mike Silva
Utah Division of Water Rights [via e-mail: mikesilva@utah.gov]

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