

Edl, Michele

From: Webb, Kevin (EGP North America) [Kevin.Webb@enel.com]
Sent: Wednesday, May 04, 2011 3:51 PM
To: Edl, Michele
Subject: RE: Water data questions

Thanks again Michele.

From: Edl, Michele [mailto:Michele.Edl@idwr.idaho.gov]
Sent: Wednesday, May 04, 2011 5:49 PM
To: Webb, Kevin (EGP North America)
Subject: RE: Water data questions

The permit rate is the maximum rate that I can recommend for a license. In this case it's 3000 cfs and I have seen enough data to be comfortable making that recommendation.

Although this project is in a moratorium area, the IDWR considers hydropower use a non-consumptive use and permits for non-consumptive uses can be issued in moratorium areas.

The Bypass project is constructed within the IDWR's Southern region administrative area. Typically, an application for permit in the Southern Region's area would be submitted to and advertised and issued from the Southern Region office in Twin Falls.

I am in the state office in Boise, Idaho. I expect to have some continued involvement in your water rights processes because I now have some familiarity with this file and with this project, but I am unwilling to speak for the Southern Region.

You and/or Mr. Higbee may wish to acquaint yourself with the application for permit form. You can find a type-enabled version on our website. For your convenience, here is a link to the form

http://www.idwr.idaho.gov/RulesStatutesForms/WaterRights/PDFs/Application_for_Permit.pdf

And to the instructions

http://www.idwr.idaho.gov/RulesStatutesForms/WaterRights/PDFs/App_Permit_Instructions.pdf

Meanwhile, I will do my best to complete my review of the use authorized through permit so that you will know what you have and what you need to ask for.

Sincerely,
Michele Edl

From: Webb, Kevin (EGP North America) [mailto:Kevin.Webb@enel.com]
Sent: Wednesday, May 04, 2011 1:48 PM
To: Edl, Michele
Cc: Higbee, Dale (EGP North America); Fulmer, Jim (EGP North America)
Subject: RE: Water data questions

Thank you Michele. Just so I'm clear on this, as I understand it we would receive a license for the full 3,000 cfs under the existing permit 1-7010B, and then apply for separate permit for the additional xx cfs documented by the field examiner. Would this application likely be approved given the existing demonstration of beneficial use?

Thanks again
Kevin

From: Edl, Michele [mailto:Michele.Edl@idwr.idaho.gov]
Sent: Wednesday, May 04, 2011 3:10 PM
To: Webb, Kevin (EGP North America),
Cc: Higbee, Dale (EGP North America); Fulmer, Jim (EGP North America)
Subject: RE: Water data questions

Mr. Higbee, Mr. Webb,
Thank you for your responses.

I will direct further data questions to the canal company and I will keep you both informed.

Permit 1-7010B is limited to a flowrate of 3000 cfs. The data you provided me shows that occasionally, the authorized rate has been exceeded. The field examiners report from 1988 indicates that the Bypass hydroelectric plant is equipped to beneficially use more rate than has been authorized by this permit.

If I find that the data is accurate and more than 3000 cfs have been beneficially used without a permit authorizing that additional rate, I will encourage Bypass Limited to apply for another permit to cover the rate not covered by this permit.

Sincerely,
Michele Edl

From: Webb, Kevin (EGP North America) [mailto:Kevin.Webb@enel.com]
Sent: Wednesday, May 04, 2011 12:01 PM
To: Edl, Michele
Cc: Higbee, Dale (EGP North America); Fulmer, Jim (EGP North America)
Subject: RE: Water data questions

Michele:

In response to your questions:

1) The flow data are from the North Side Canal Co. and represent the total canal flow on each day. As stated in my letter, the readings are taken downstream of Bypass and upstream of Wilson Lake. I believe these are based on a stage-discharge relationship for a rated section of the canal. Note that since all of the canal flow is passed downstream through the Bypass Project's turbines, the daily flow values also represent the sum of turbine flows on each day.

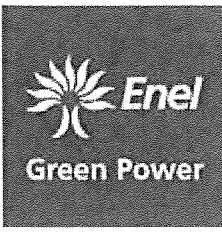
2) I can not directly attest to the accuracy of the data since they are not ours. However, given that canals typically present near-ideal stream gauging conditions I would expect the data accuracy to be quite good, certainly within +/- 10%. I believe that the data are instantaneous daily readings and not daily averages. I did notice an apparent typographical error: June 15, 2004 is shown as 24000.5 cfs which I believe was intended to be 2400.5 cfs.

Perhaps a call to the canal company would help clarify these points.

Let me know if you have any other questions.

Kevin M. Webb
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From: Edl, Michele [mailto:Michele.Edl@idwr.idaho.gov]
Sent: Friday, April 29, 2011 3:08 PM
To: Higbee, Dale (EGP North America)
Cc: Webb, Kevin (EGP North America)
Subject: Water data questions

Mr. Higbee,

I have returned to the licensing review for permit 1-7010B.

I am evaluating the water data related to the Bypass Limited project that you provided me. I have a few questions.

- 1) Is this data a sum of the turbine discharges or is this data from a stage-discharge relationship on a rated section of the canal outside of the plant?
- 2) I am also interested in the margin of error. Because there were a few hiccups in the data sets, I am assuming that you gave me raw data. Can I expect the data to be accurate +/- 10%?

I will continue with my review of the other elements of the right. If you prefer to respond with a phone call rather than an email message, you may reach me at 208-287-4946. I try to keep 8:30 - 6:30 office hours Monday- Friday.

Respectfully,

Michele Edl

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