



FISH PASSAGE CENTER

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MEMORANDUM

TO: Rick Kruger, ODFW

FROM: Margaret Filardo

DATE: February 28, 2011

RE: Data Request

In response to your data request we have the following information for you regarding spill at John Day Dam. At John Day Dam the spill level can approach the 120% total dissolved gas (TDG) levels at spill levels of about 85 Kcfs. However, at spill levels above 110 Kcfs the TDG decreases. The management of spill at JDA is usually to avoid spilling levels between about 85 Kcfs and 110 Kcfs.

You are correct in your statement that the spill at John Day used to be 60% of total flow during nighttime hours. Spill is now provided on a 24 hour basis and the percentage TDG may be affected by the 24 hour provision of spill. You further asked if spilling 50% of total flow over 24 hours was possible within the 120% TDG. The spill caps for John Day set by the Corps of Engineers during the April through August period over the past three years have been as high as 160 Kcfs. The TDG in any year will be a function of spill and flow volume as well as temperature, so an exact TDG levels will be dependent on these factors. However, theoretically based on the spill caps, it appears that 50% spill could be achievable at flow levels up to 320 Kcfs.



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DATA REQUEST FORM

Request Taken By: Michele
~~Rick Kruger~~ Date: 2-10-2011

Data Requested By:
Name: Rick Kruger Phone: X
Address: ODFW Fax: _____
Email: _____

Data Requested:
Review John Day spill /
performance standards
research - done in 2010 -
also requested review of 09

Data Format: Hardcopy Text Excel
Delivery: Mail Email Fax Phone

Comments:
I sent (e-mail) our 2009
review

Data Compiled By: _____ Date: _____

Request # 11