

From: Bruce Ludington
To: Walton, Dala
Date: 3/21/05 4:23PM
Subject: Re: Palisades Units

Dala - Looking through our records (operations log book) you are correct in the fact it looks like May 6th, 1958 was the first time all 4 units were online together. However the river gage was showing 7.48 in or 7094 CFS. This was not the maximum design discharge for the plant, nor the max discharge for the plant that year. Although this was the first time all 4 units were run together it should be noted that we did not have a full pool on that day, nor were we generating at full capacity. Lake elevation was 5598.8 ft, roughly 21 feet shy of full pool. Just briefly scanning the log book it doesn't appear that we filled that year, the highest elevation I noticed was 5614.4, on June 10th, and we were putting roughly 12,500 CFS down the river. I don't know what the actual CFS was through the power plant, but we could probably calculate what that was based on the annotated gate positions of the outlet works. Just let me know what your looking for. In actuality please let Ken Latuseck know after tomorrow as I will be on leave till the 29th.

According to the Design and Construction (DOC) the turbines are rated at 2140 CFS @ 190 foot of head for a total discharge of 8560 CFS. The power tunnel itself has a discharge capability of 14,000 CFS but the limiting factor is actually the total turbine ratings of 8560 CFS. That's the number I would use.

I can provide copies of the DOC or log book for verification of these numbers.

Hope this helps,
Bruce

>>> Dala Walton 03/18/05 09:57AM >>>

Bruce - I'm working on proof of priority and quantity for a water right we filed in the Snake River Basin Adjudication. The right is for flow through the generating units. I found documentation that we started generating February 25, 1957, and that the first time we operated all four units was in May 1958. What I need is documentation of the quantity in cfs that was going through the generators on the day they were all run together for the first time. In other words, we need proof of the first time we put maximum capacity to a beneficial use.

I thought I had enough information but I didn't have proof of the quantity in cfs and there are a couple of conflicting numbers. We claimed 9,000 cfs. Data web says 8,000 cfs on the original units, and our initial claim said approximately 8,560 cfs.

Idaho Department of Water Resources is getting ready to make their recommendation on this water right and ask asked for this information.