

HBHC
HORSESHOE BEND HYDROELECTRIC COMPANY

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WATER RESOURCES
WESTERN REGION

August 31, 1995

Mark Limbaugh
102 N. Main Street
Watermaster, District No. 65
Payette, ID 83661

Subject: August 26, 1995 Canal Shutdown and River Flows
Horseshoe Bend Hydroelectric Project

Dear Mark:

This is a review of the procedures taken on August 26, 1995 when we shut the canal control gates at the Horseshoe Bend Hydroelectric Project. After our meeting on August 25, it had been decided that we should continue to run the turbines until the bypass reach filled with water.

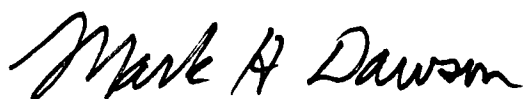
At 5 PM, we determined that the canal liner was in danger of failing where it is attached to the control gate structure. At 5:05 we shut the canal gates, and the flow in the bypass reach increased from approximately 500 cfs to 2400 cfs. We manually ran the turbines so that the tailwater elevation at the power plant remained unchanged. This lowered the water level in the canal approximately three feet. At 6:20 PM, the tailwater began to rise, indicating that the bypass reach had filled up and the full river flow was now coming down the river. At that time, we shut down the turbines. Black Canyon Dam operators were notified when we started this procedure.

In review with the operators at Black Canyon Dam, the river flows did not appear to fluctuate due to this canal shutdown. We will implement this procedure in future operations of the canal. We plan to water up again on September 9, 1995, after completing liner repairs. At that time, we will practice the reverse operation: filling the canal while the bypass reach drains out, then starting the generators.

This procedure was discussed with you on August 30, 1995. It appears that we have found a solution which will make the Horseshoe Bend Hydroelectric Project a transparent user of the Payette River. Thank you for your input on this problem. We believe that this procedure is simple to implement, and that future operations will have negligible effects on downstream users.

Sincerely,

HORSESHOE BEND HYDROELECTRIC COMPANY



Mark H. Dawson, P.E.
Manager of Operations

cc: Mr. Brick Andrew, WD65
Mr. Dave Tuthill, IDWR
Ms. Sheryl Howe, IDWR
Mr. Rick Wells, BOR
Black Canyon Dam Operators
Black Canyon Irrigation District
Emmett Irrigation District
Farmer's Co-op Irrigation Company
Noble ditch Company
Lower Payette Ditch Company