

Change Request Number: 11LWG004

Date: December 15, 2010

Proposed by: David Benner, FPC

Location of Change- LGR 3.2.2.2

Proposed Change: Auxiliary Water Supply System. Three electric pumps supply the auxiliary water for the fish ladder and the powerhouse collection system. During normal operations and most flow conditions, two pumps are capable of providing the required flows. If a pump fails during the two-pump operation, the pump on standby will be operated to make up the flows. If two pumps fail, and the outage is expected to be longterm, the floating orifices should be closed and monitored in the following order: OG4, OG7, OG-10, and OG1. If fishway criteria still cannot be met, NSE 2 and NPE 2 will be closed and NPE 1 raised in 1' increments to provide the required 1' to 2' head differential. If the head cannot be maintained by the time the top of the weir reaches 5', the floating orifices should be closed in the following order: OG 4, OG 7, OG 10, and OG 1. If the head in the system still cannot be maintained at this point, SSE 1 and SSE 2 should be raised in 1' increments until 5' below tailwater is reached. If all three pumps fail, NSE 1 and NPE 1 should be closed, the powerhouse collection channel bulk-headed off at the junction pool, and SSE 1 and SSE 2 operated at 6' below tailwater regardless of the head.

Reason for Change: In the event of a long term outage of multiple pumps, floating orifice gates should be closed before main entrances.

Comments from others:

USFWS- support

Record of Final Action: approved as changed 21 January 2011.

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