

MFR 16 LGS 06 Failure of Spillbay 1 tainter gate brake**SUBJECT: Failure of tainter brake on spillbay 1 at Little Goose dam**

On 3-31-16 at 3:40 PM, after completion of assembly of TSW components in spillbay 1 in preparation for start of spring spill season on April 3, the spillbay tainter brake failed and the gate jammed in a position leaving a 17 stop opening. Initial efforts to restore operability were initiated on April 1 and are currently ongoing. The restoration to service effort involves stabilizing the gate so it is totally immovable, and then cannibalizing parts from spillbay 5 to install at spillbay 1. The timeframe to complete the spillbay 1 work is dependent on what else is found as they begin the transfer of parts. We are cautiously optimistic that we may be able to bring the spillbay weir back into operation by early next week, or possibly even Sunday. Spillbay 5 will be out of operation until parts can be replaced. Our hydraulics staff has modified the existing uniform spill pattern (Table 10 in FPP- see attachment) to be utilized until the spillway weir can return to operation. Once the weir is again operable a modified spill pattern LGS Table 9 (also attached) will become our spill operation for 2016.