**CENWW-ODM 07/21/2022**

**MEMORANDUM FOR THE RECORD** 22 MCN 12

**SUBJECT:** Loss of Bays 20 and 21 Hoists

**Narrative:** The hoist in bay 20 requires the upper and lower limits to be calibrated. To ensure the integrity of the hoist and gate, the gate was put on seal on July 20 at 1520 hours. The general maintenance and electrical staffs will reset the limits and return bay 20 to service by July 25.

The motor/gearbox coupling on the hoist in bay 21 failed on July 20 at 1459 hours. The brakes were applied but could not stop the load. The gate went from 3.8 feet open to seal in about 26 seconds. The gate will remain on seal until the coupling can be replaced. The hoist will also have to be removed so the brakes, which are asbestos, can be repaired. Crane 6 will be used to test the gate load and dog the gate. The project engineer expects it will take about one month to obtain needed parts to return bay 21 operation.

While bays 20 and 21 are out of service, spill will be distributed evenly through the remaining bays with functional hoists.

**Location:** McNary spillway.

**Method**: As described above.

**Timeline - Duration**: Bay 20 will be out of service for up to five days. Bay 21 will be out of service at least one month.

**A. Species:** NA

**B. Origin:** NA

**C. Length:** NA

**D. Marks and Tags:** NA

**E. Marks and Injuries Found on the Carcasses:** NA

**F. Future and Preventative Measures:** It is well known that McNary spillway hoists are overloaded, and the project staff is doing everything possible to keep the hoists in service, including proposing micro/marco spill adjustment tables.

**G. Photos Taken:** None.

**Bobby Johnson**

**Project Fisheries Biologist**

**McNary Lock and Dam**