

MEMORANDUM FOR THE RECORD – 19 MCN 04

SUBJECT: Sampling delay.

During the early morning of April 20, the technician on duty noted a kink in the rectangular screen cleaning brush's electrical cord. However, due to miscommunication or by chance, this kink was not reported until April 21 at 0940 hours. At this time, the biologist removed the rectangular brush from service as the electrical cord was under stress where it connects to the mechanism. The technicians on duty were instructed to monitor the juvenile collection channel and manually operate the rectangular screen air burst system hourly. Also, they were instructed not to switch to scheduled secondary bypass on April 22 at 0700 hours in order to facilitate repairs. When there are issues with the channel, it is always best to use cautious. On April 22, the electrical staff immediately began to work on the issue by removing the walkway grating and repair the articulating electrical cord carrier. During the repairs, as a precaution, the transition screen brush was also removed from service. After repair the brush was tested, the raise/low limits reset and all three brushes were returned to service in automatic mode at 1300 hours on April 22nd. At 1317 hours, secondary bypass for sample collection was initiated at a 1% sample rate. Nineteen samples were missed in the 6.3 hours the system remained in primary bypass for brush repairs.

Species – no fish mortality or passage delays occurred. The only issue was missing 6.3 hours of sample collection.

- A. Origin – NA
- B. Length – NA
- C. Marks and tags – NA
- D. Marks and Injuries found on carcass – NA
- E. Cause and Time of Death – NA
- F. Future and Preventative Measures – Improve communication among the fisheries staff. Insure the channel brushes' electrical cord carriers are examined during annual maintenance.

Sincerely,

Bobby Johnson
Project Fisheries Biologist
McNary Lock and Dam