

Subject: DRAFT minutes for the 25 April 2024 McNary Spillway Task Group Meeting

In Attendance:

Last	First	Agency	Phone	Email
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**Peery.** Topics to discuss: Updates on the procurement budgeting for making repairs and replacements of spillway cranes, hoists, gates. Spill operations. Brief update on the spill operation evaluations.

Peery shared screen with slides.

1. Repairs Update. Peery went through the following information slide. .

25 April 2024

- **McNary Spillway Working Schedule**

- MCN Replace Spillway Cranes 6 & 7
  - Phase 1a under way. To be presented to CWG June.
  - Phase 1 Design FY24-25? (pending appropriated \$\$s)
  - Award 1 crane (pending appropriated \$\$s):
  - Start fabrication crane 1 in FY26
  - Award 2<sup>nd</sup> crane (pending appropriated \$\$s):
- MCN Spillway Major Rehab Evaluation Report (MRER)
  - Creating new project for FY24-25 budget request
- MCN Spillway Hoist Replacements
  - First hoist in final design Received three proposals. Additional costs needed.
  - Award prototype early FY24. Install FY26-Early FY27
  - Award follow-on contract for remaining hoists FY26: three per year?
  - Safety handrails – Contracted awarded. Construction FY24 ~ 4 months
  - SLABS – Phase 2 Approved. Fully Funded. In design. Award Contract July ‘24. Construction FY24-FY25

- MCN Spillway Gate Replacements
  - Phase 1a approval pending 2024 Capital Work Group Meeting
  - Phase 1 design in FY24-25
  - Award:
  - New spillway gates delivered FY26?: Three per year?
- MCN Spillway Gate Dogging Mechanism Repair underway with FY23 NREX funds.
  - Funded. Repairs to occur in FY25 and complete in FY26
- MCN Spillway Gate Repair PIT Upgrade
  - Phase 1a has been approved, but no appropriated match
  - Lower priority since gates are to be replaced
  - Repair pit will likely be used for storage when new spillway gates start to be delivered.
- Modeling – Latest estimate, \$2.3 M to create new model
  - Under construction.
  - Estimated October 2024 for model completion.

**Peery** We are in Phase 1a for cranes replacement. The Phase 1a is set to be reviewed by Capital Work Group in June and we will be looking for approval to move to Phase 1, design phase for Cranes 6 & 7. We were not yet able to make award for the prototype hoist. Three proposals were received from the solicitation but there was an issue because it was not clear that the contractors needed to bid on cost to conduct the final test to assure the hoist met design criteria. So we are needed proposal to include the cost for that task before proposals can be evaluated and a selection made.

**Magel** Asked if we are just trying to meet the criteria or exceed the criteria to make sure this issue with hoists does not happen again.

**Peery** The design criteria for lifting capacity of the new hoist is higher than needed to raise the gates and the testing task is to demonstrate 125% of the design criteria.

Repairs to the gate dogs continues. We had an MOC to take bay 22 out of operation on 23 April to remove the dogs so they could be repaired. The gate was out of operation for about 6 [it was actually about 8] hours. As soon as we are able we will provide an estimate of when we will be able to install the repaired dogs and estimate the schedule to repair the remaining dogs.

## 2. Spill Operations Update.

**Peery** Spill operations seem to be going well. All gates available, including gates 1&2, are in use and seem to be operating well. TDG continues to remain around 117-118%. The highest reading I have seen so far is 119%. The latest estimate for 125% gas cap spill is 220 kcfs.

**Mills** confirmed that gas cap spill is estimated to be about 220 kcfs with bays 1&2 in use, although we have not spilled that amount yet this year.

**Peery** A boat survey was made across the tailrace at McNary on 16 April [See slide 18]. They measured levels ranging from about 117.5% to 118.5% across the tailrace when the readings on the TDG monitoring station was reporting a little under 118%. River flow was 174 kcfs and spill was 115 kcfs. So, indications that the TDG monitoring station is providing a good measure of tailrace conditions with the modified split-leaf spill operations. We plan to conduct another survey at a higher spill amount.

## 3. Spill Evaluations

**Barnes** The balloon tech study has until April 30<sup>th</sup> to provide the draft report. The acoustic text study is off to a good start. We are having a little some trouble collecting the number of steelhead needed. As of the 23rd of April, there's been 4 groups released upstream of McNary Dam; 201 yearling Chinook salmon and 221 steelhead. There are 6 release groups planned for May and the study is scheduled to conclude on May 31st.

Meeting notes and slides will be posted to the McNary Spillway Task Group page on the FPOM website.