

**MEMORANDUM FOR RECORD: MFR 13 LWG 12 Pump Recovery**

Yesterday, June 20, 2013, a pump was lost and sunk into the tailrace. This happened during normal maintenance activities at the navigation lock. The only way to determine the location of the pump and assist in the recovery of the pump was to immediately change spill and use the onsite ROV. At 1200 hrs, the Operating Project first moved spill towards the RSW, but excessive turbulence proved problematic. Then pattern then changed to closing gates 5, 6, 7, and 8 while opening 2, 3, and 4. The RSW remained in service and a 20kcs spill was maintained through 2, 3, and 4 spill bays. By 1330, this still proved too strong and all spill needed to be temporary terminated for ROV operation.

Normal FOP spill resumed at 1525 hrs.