

LOCKS NO. 27 MISSISSIPPI RIVER
FAILURE OF MAIN LOCK MITER GATE DIAGONAL TENSION RODS
DAILY STATUS REPORT

JULY 31, 2004

[Changes since last Report in blue](#)

TOWS WAITING @ 0600

26 Northbound

13 Southbound

SCHEDULE

Original schedule was for closure on 12 July through 26 July. The closure was delayed due to high river stages. Closure began on 26 July with known restrictions. Due to the continued higher river stages, the adjacent ground water elevations will not permit the pumping of the lock chamber down low enough to expose the miter gate sill. The repair work is being planned to allow work on the top of the gate to begin first. This will allow additional time for the river and ground water levels to fall so we can pump the lock chamber lower and expose the miter gate sill. All repair work areas will be accessible at that time. It is anticipated that these changes will lengthen the closure by approximately 7 days.

PREPARATION FOR DEWATERING

Additional problems developed with the operation of the picking beam. The release mechanism did not operate correctly. The Service Base was able to repair the mechanism and set 5 bulkheads. With no further complications, the remaining 8 bulkheads will be placed today along with the dewatering pumps.



DEWATER LOCK CHAMBER

Dewatering is anticipated to start on 7/31 and take 48 to 60 hours to reach minimum water levels inside the lock chamber. [Upstream pumps are installed and ready for operation.](#)



INSPECTION OF MITER GATES

REPAIR OF DIAGONAL TENSION RODS