

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

**JULY 30, 2004**

**[Changes since last Report in blue](#)**

**TOWS WAITING @ 0600**

23 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**

The Service Base was able to successfully remove the bulkhead and picking beam to allow access to inspect the bulkhead slot. The diver was able to remove the damaged embedded metals from the slot. The bulkhead was reinstalled and the picking beam released correctly. The remaining bulkheads will be placed today along with the remaining 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.

**INSPECTION OF MITER GATES**

**REPAIR OF DIAGONAL TENSION RODS**