

Nashville District Tennessee River Valley Association Navigation Update

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US Army Corps of Engineers
BUILDING STRONG[®]



Agenda

- **Maintenance Activities Completed FY 14**
- **Planned Major Maintenance Work for FY 15**



Maintenance Activities Completed FY 14

- L&D 52 General Repairs
- Wilson, Upper Closure, Machinery work, drilling holes, etc.
- Tow Haulage Installation, Old Hickory
- Stop Log Slot Cutting, Wilson
- Valve Stem Repair, Gunterville
- Stop Log Slot Cutting, Pickwick
- JT Myers and L&D 52 (Ohio River)



FY 15 Work

Wheeler Main Lock Dewatering

21 Oct thru 13 Nov

Scheduled Work

- Repair Gate Cracks and Replace Failing Fenders
- Replace URW Gate Sector Gear Bushing
- Replace Lower Center Pier Cover Plate
- Repair Backing Behind LL Mooring Bitt Guide
- Replace Land Valve Lower Strut Pins and Bushings
- Drill Horizontal Holes for Stop Log Slot Cutting
- Replace Upper Gate Transition Seals



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FY 15 Work (cont.)

Wilson Main Lock Dewatering

5 May thru 11 June

Scheduled Work

- Rebuild the Miter Gate Strut Arms
- Land wall Miter Gate Low Speed Gearbox will be removed and undergo a rehab
- Replace gudgeon pin and bushing ,repairing any cracks or broken welds on the miter gates on lower river wall
- Emptying Valve Sector Gears bushings, grease seals, and sector gear pins will be replaced along with replacing the bushings in the Lower land miter gate sector gear
- The Upper Lift Gate will receive a new 3 way gearbox and transition seals
- Repair cavitation in the culverts below the fill valves and lower bulkhead slots
- New armor plating will be installed on the River/Land Side Caisson Slot.



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FY 15 Work (cont.)

Wilson Main Lock Dewatering 5 May thru 11 June

TVA Scheduled Work

- Drilling for Post Tension bars below the lower miter gates
- Installing a vertical sock seal behind the land miter gate between L 16 and L 17 monoliths
- TVA also plans on performing some grout jobs inside the lock chamber bedrock



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FY 15 Work (cont.)

Old Hickory Lock

14 July thru 6 Aug

Scheduled Work

- Replace Gate Quoin and Miter Blocks
- repair cracks in gates
- Valve work



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FY 15 Work (cont.)

L&D 52 (Ohio River)

1 Sep thru 28 Sep

Scheduled Work

- General cell repairs or Cell construction



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FY 15 Work (cont.)

Other Misc. Activities (TN River), intermittent closures

- Boom Wall Repair, KY Lock , 1 Dec
- Valve Repair, Pickwick Main, 1 Dec
- Stop Log Saw Cutting, Wheeler/Guntersville, Dec/Feb
- Stop log liner installation, Wilson, March-April



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