Mary Rhodes Pipeline

Update Briefing and Proposed Action Plan

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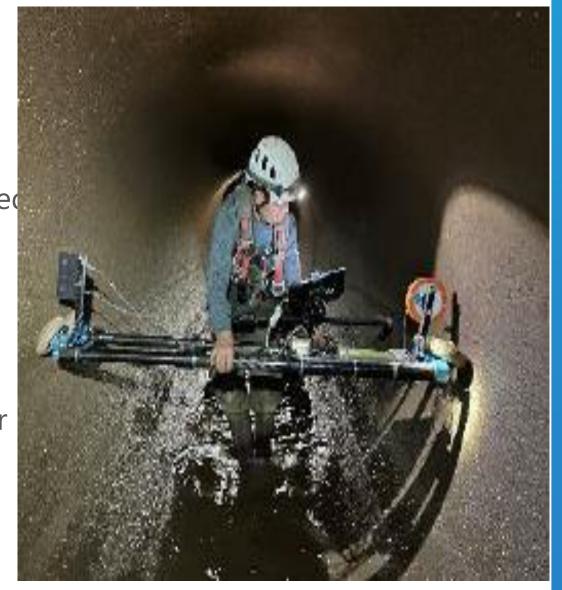
Esteban Ramos, Water Resources Manager

Jerry Snead, P.E., HDR June 18, 2024



Summary of Condition Assessment

- Pipeline is in good condition for its age
- Pipe pressure exceedance areas were identified
- Schedule 2B and 3 both have pressure exceedances during operation
- Three leaks were identified and repaired as part of this assessment
- Erosion areas reducing the cover over the pipeline have been identified at various water crossings



Interim Proposed Approach

- Three sections of parallel line were proposed in pressure exceedance zones.
- Some outside experts believe that pump optimization may address pressure exceedances without the need to construct parallel lines.
- We may find, after more analysis, that while pump optimization may help, it may not completely address the exceedances.
- The original pumping schedule was developed more than 25 years ago, it makes sense to re-evaluate this.
- We are operating the system exactly how it was designed.



Next Steps

- Increase pumping to Schedule 3 on Monday June 24, 2024
 - Coordination with LNRA (Lavaca Navidad River Authority)
 - Coordination with LCRA (Lower Colorado River Authority)
 - Notification to AEP (American Electric Power)
 - Emergency Contractors Notified
 - Order additional pipe and repair materials
 - CCW and LNRA Operator Coordination
- Conduct Pump System Optimization
- Continue Maintenance Work Including Pressure Monitor Installation
- Mary Rhodes Pipeline pump station system improvements project no. E13037 Bid Date July 24, 2024
- Maintenance and upgrade of cathodic protection system project no. 23064



Timeline

Actions	June	July	August	September	October
Proposed start up of Schedule 3 Scenario	X	X	X	X	X
Implement Pump Optimization Evaluation	X	X	X	X	-
Briefing to Council on Pump Optimization Results	-	-	_	_	X
Recommendation of Necessary Infrastructure Improvements to Sustain Schedule 3 and Schedule 4 Pumping Scenarios	_	_	_	_	X



Thank you!

