

Water Treatment Plant 4

Quarterly Briefing Environmental Board May 16, 2012





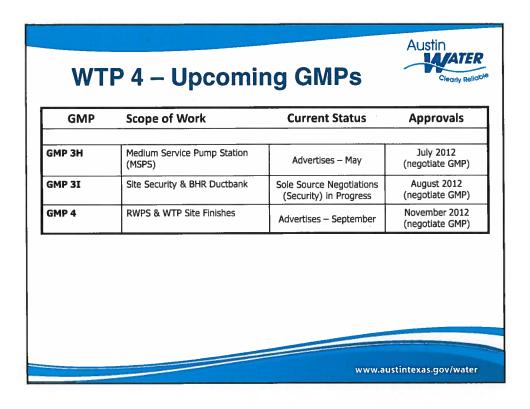


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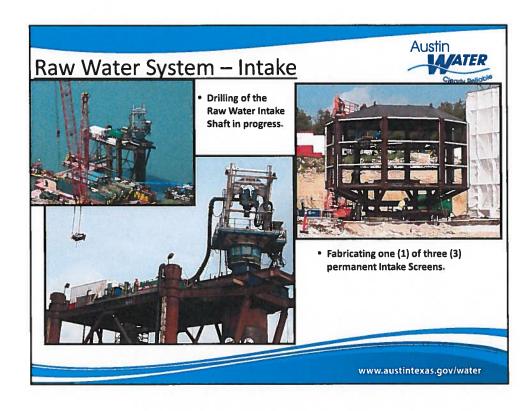
WTP 4 – Approved GMPs

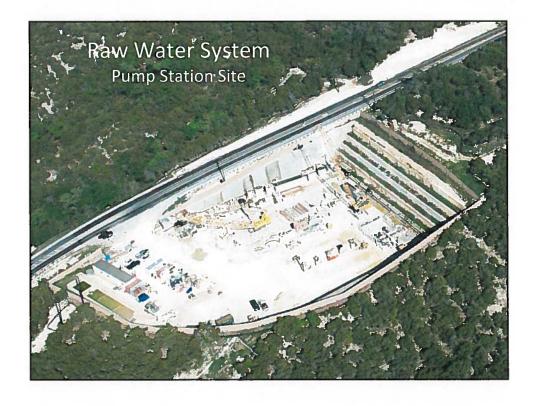


GMP	Scope of Work	Current Status	Approvals
GMP 1	Raw Water Intake, RW Tunnels	In Construction	December 2010
GMP 2	Raw Water Pump Station	In Construction	September 2011
GMP 3A	Procure Process Equipment	Fabrication/Delivery	May 2010
GMP 3B	Clearwells & Upflow Clarifiers	Nearing Completion	June 2010
GMP 3C	WTP Filter Complex and Site Walls	In Construction	November 2010
GMP 3D	WTP Washwater, Solids and Chemical Facilities	In Construction	April 2011
GMP 3E	WTP Electrical & Underground Mech and WTP & RWPS SCADA	In Construction	July 2011
GMP 3F	Lime Handling Facility	In Construction	December 2011
GMP 3G	Admin Bldg and Maint Bldg	Const. Start - May 2012	April 2012
GMP 5	Jollyville Transmission Main	In Construction	July 2011



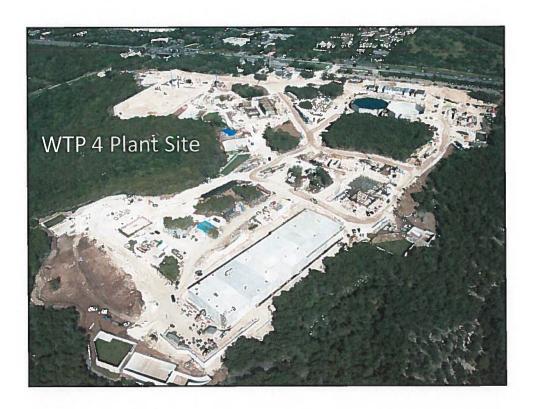








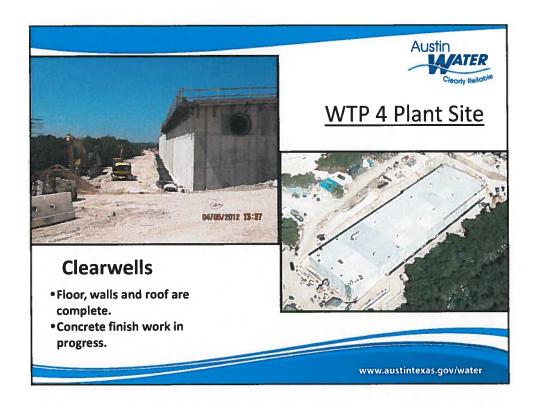


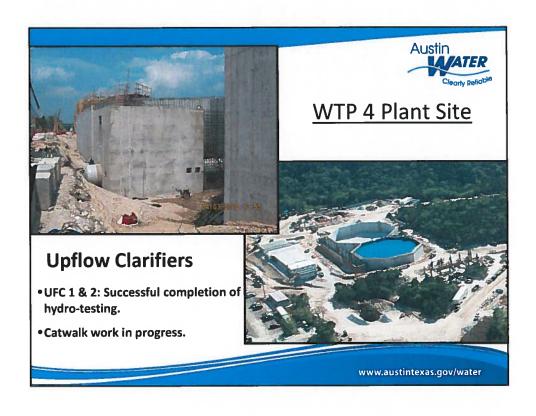


WTP 4 - Plant Facilities

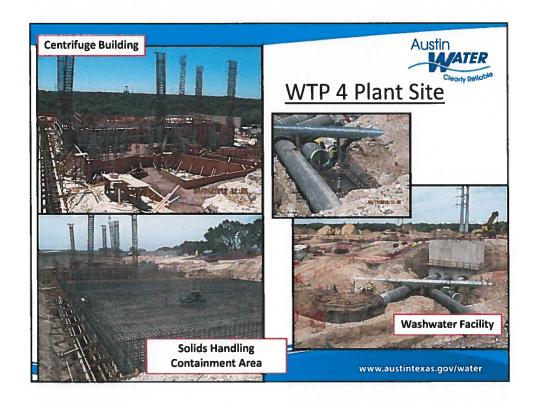


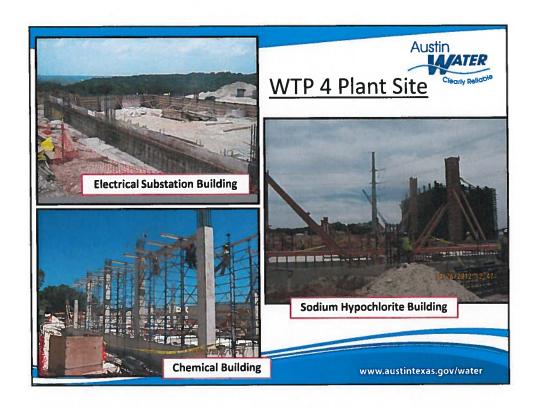
- Completed Design of Medium Service Pump Station (MSPS) and Bullick Hollow Road Electrical Ductbank
- GMPs
 - 3A Equipment: review/fabrication phase (varies)
 - 3B Clearwells & Clarifiers: 90% complete & on schedule.
 - 3C Filters & Site Walls: 50% complete & on schedule.
 - 3D Washwater, Solids & Chemical Facilities: 27% complete & on schedule.
 - 3E Electrical, SCADA and Underground Mechanical: 25% complete & on schedule.
 - 3F Lime Handling Building: Foundation work in progress.









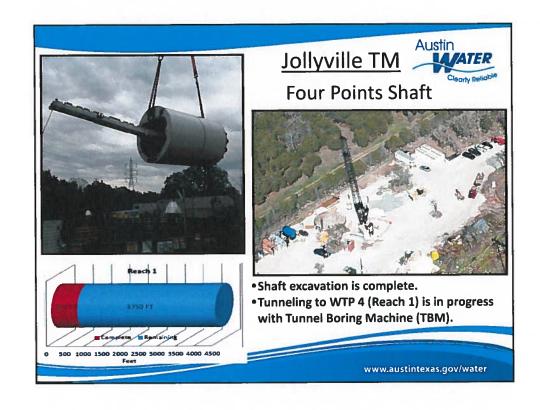


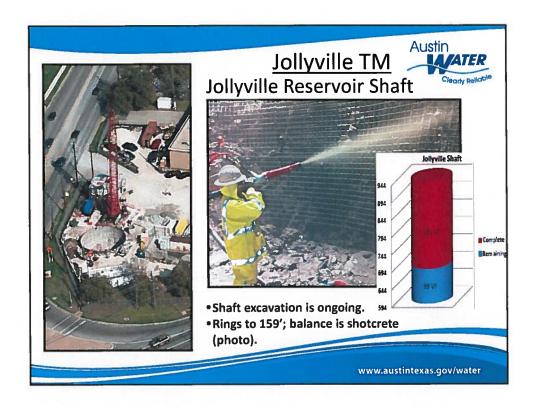


WTP 4 - Finished Water System



- Four Points Site
 - Shaft excavation is complete.
 - TBM delivered and tunneling to WTP 4 [Reach 1] is in progress (16% complete).
- -Jollyville Reservoir Site
 - Shaft excavation is in progress and scheduled to complete in May.
 - Delivery of Reach 2 &3 TBMs expected in June/July.









Plant and Raw Water System

- Received X amount of rain during May 5 May X
 - Plant site stable. No offsite sediment discharges
 - Rain captured in large excavations/trenches or diverted into interior areas
- Weekly & post rain event inspections continue
 - SWP3 Suggested BMP Tree Protection
- Pre-trenching for process pipe (5.2 miles) continues
 - 6 voids mitigated
- RWPS water quality discharge continues to exceed Environmental Commissioning goal

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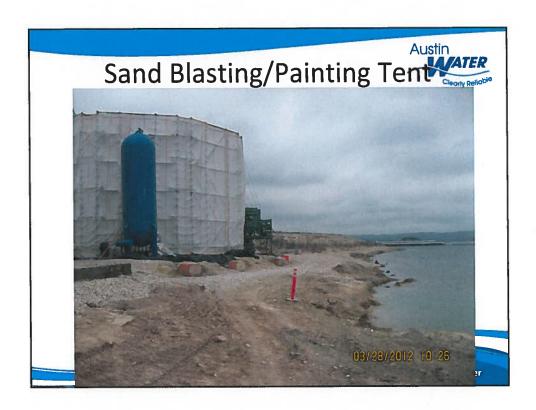
RWPS Water Quality WATER

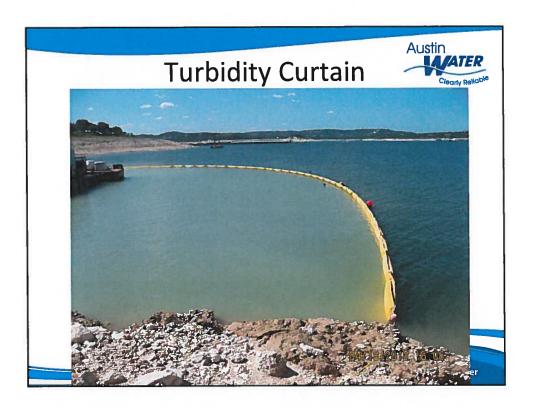
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Raw Water Intake



- Coordination with LCRA continues
 - Work plan submitted for sand blasting and painting operations
 - Spill plan revision for concrete pours on the lake
 - Spoils management and disposal plan for riser shaft drilling
 - Water quality monitoring and results submitted daily during dredging activities
 - Turbidity curtain installed at staging area (Keller Marina)





Jollyville Transmission Main-



- Four Points Shaft
 - Enhanced grouting program successful. JT-128 currently at 95% recovery to background level
 - Approximate cost \$280k
 - Tunnel inflow zero/dry
- Spicewood Springs Shaft
 - Minor additions to erosion & sedimentation controls
 - Vegetative filter strip
 - No bulk fuel or chemical storage

