Water Treatment Plant 4

Quarterly Briefing

Environmental Board

March 2, 2011

WTP 4 – Raw Water (RW) System

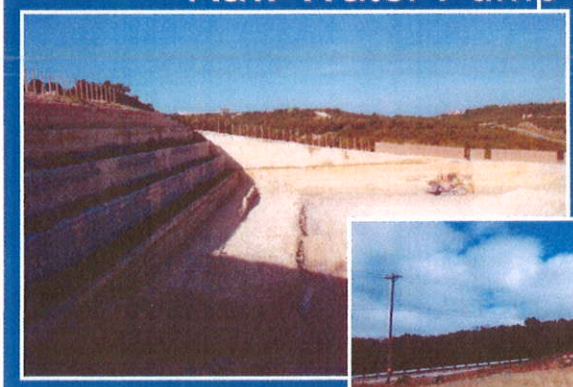
- RW Excavation & Stormwater – Construction is 95% complete
- RW Pump Station Retaining Wall (GMP 3C) – Construction is 10% complete
- RW System (GMP1) – Pre-Construction Meeting held on February 8th
- RW Pump Station (GMP 2) – Advertises in May

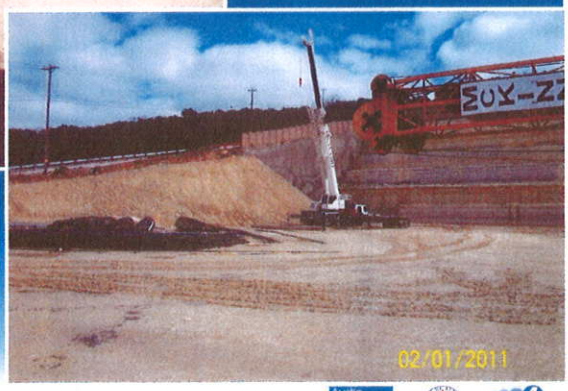
Raw Water Pump Station

Aerial Image of WTP4 Pump Station

January 2011

Raw Water Pump Station





WTP 4 – Plant Facilities

- Design in Progress – Finished Water Pump Station and Bullick Hollow Road Electrical Ductbank
- WTP Stormwater – Construction 99% complete
- GMP 3A (Equipment) – review/fabrication phase
- GMP 3B (Clearwells & UFCs) – In Construction/On Schedule
- GMP 3C (Filter Complex and Site Walls) – In Construction/On Schedule
- Construction Packages Bidding: GMP 3D & 3E in progress
- PEC T/L Relocation – Nearing completion

WTP 4 Site
- TODAY –

WTP 4 Site
- 2014 -

WTP 4 Plant Site – Clearwells

WTP 4 Plant Site – Clarifiers (UFCs)

WTP 4 Plant Site – Filter Complex

WTP 4 – Finished Water System

- Final Design (Jollyville TM)
  - 90% plans & specs – March 2011
  - 100% plans & specs – April 2011
- VE workshops held in January and February
- Next public meeting planned for March 2011

WTP 4 – GMP Procurement Schedule

GMP	Scope of Work	Current Status	Anticipated Approval Date
GMP 3A	Early Out Procurement - Purchase of Process Equipment	Equipment in procurement/fabrication	May 2010 (Council approved)
GMP 3B	Clearwells & Upflow Clarifiers (UFCs)	In Construction	June 2010 (Council Approved)
GMP 3C	WTP Filter Complex and Site Walls	In Construction	November 2010 (Council Approved)
GMP 1	Raw Water Intake, RW Tunnels	Starting Construction	December 2010 Negotiated
GMP 3D	WTP Process, Electrical and SCADA	Advertising	March 2011 (negotiate GMP)
GMP 3E	WTP Underground Mechanical & Electrical and Site Vaults/Sumps	Advertises - March	May/June 2011 (negotiate GMP)
GMP 3F	Administration and Maintenance Buildings	Advertises - July	October 2011 (negotiate GMP)
GMP 2	RWPS Construction	Advertises - May	September 2011 (negotiate GMP)
GMP 5	Finished Water Transmission System	90% Design in March	September 2011 (negotiate GMP)
GMP 4	WTP4 & RWPS Site Finishes	Advertisement – Fall 2011	TBD (negotiate GMP)

WTP4 - Project Highlights

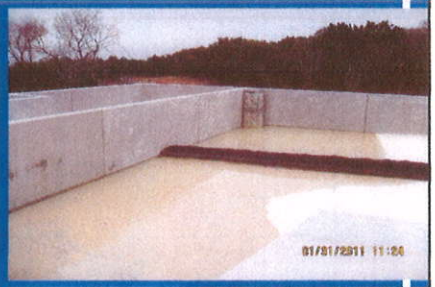
- Native Plant Relocation – Two weekends in December
- Coordination with Concordia University - December
- Field trip to active and post-construction tunnel shaft sites with neighborhood representatives – January
- Public Meeting with Village of Volente – January
- M/WBE Goals have been met or exceeded in ALL GMPs

Environmental Compliance

Environmental Compliance

Ongoing Construction

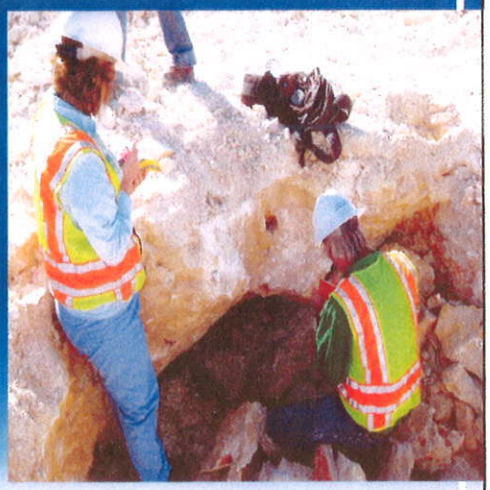
- Stormwater ponds utilized during dewatering operations resulting in high quality discharge
- Final phase of tree clearing
- Weekly and post rain event inspections continue
- Environmental Compliance Manager onsite full time



Plant Site

Voids

- Encountered in the Upflow Clarifier (UFC) excavation area (mitigated portion)
- Features evaluated by Watershed Protection Geologist's
- Mitigation measures implemented per City of Austin Void and Water Flow Mitigation Standards (658S)



Jollyville Transmission Main

Voids

- One encountered during geotechnical investigation
- Feature evaluated per Fish & Wildlife Service (FWS) Karst Invertebrate Survey Requirements
- All findings reported to FWS & Balcones Canyonlands Conservation Plan (BCCP) Secretary
- Construction activities resumed with FWS & BCCP concurrence

Questions?

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http://www.austinwater.org/wtp4

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Austin WATER