



City of Punta Gorda Shell Creek Water Treatment Plant Reverse Osmosis Addition

August 2019 Monthly Schedule CPM Update
Dated September 12, 2019





A. Work Completed During August 2019

- General Site
 - Continued stormwater management & maintenance on site.
 - Installed Duct Banks P & I from Blend Basin to GST Manholes.
- Yard Piping
 - Continued installation of 24" RW from wells to RO Building.
 - Installed 30"/16" CRO from FW Pumps to 10-inch Flow Meter.
 - Completed 6" RW PVC to ASR #4.
 - Completed temporary extension of 12" drain line to pond.
 - Pressure tested & flushed 20"/30"-FW-PVC from Existing Plant.
- Wells
 - Prepared well sites for FPL transformer installation.
- RO Building
 - Entire Building:
 - Completed Masonry at front entrance canopy columns.
 - Placed top slabs for Administration & Process Areas.
 - Completed TPO roofing.
 - Administration Area:
 - Installed exterior windows & storefront.
 - Installed canopy at Administration entrance.
 - Installed metal stud framing & insulation.
 - Installed fire sprinkler system.
 - Continued plumbing, HVAC & electrical wall rough-in.
 - Electrical Room:
 - Moved MCC equipment to room.
 - Placed switchgear equipment on housekeeping pad.
 - Process Area:
 - Rub & patch trench walls.
 - Installed pipe supports in main trench area.
 - Installed SST Pipe including RW to Filters & PTFW to RO Feed Pumps.
 - Set cartridge filters.
 - Set RO Feed Pumps
 - Began installation of PVC Trench Piping.
- Degasifier
 - Placed Degasifier FRP stack.



- Blending Basin
 - Completed interior coatings at Blend Basin.
 - Placed grout at Permeate Transfer Pumps sole plates.
 - Installed Permeate Transfer Pumps.
 - Installed 36" Butterfly Valves in Wetwells.
- Ground Storage Tank
 - Began filling the tank for Leak Test.
- Chlorine Building
 - No work completed due to redesign hold.
- Deep Injection Well
 - Continued installation of above-ground SST pipe.
- Flow Meter Vaults
 - Completed coating the exterior of the 20" FMV.
 - Backfilled & removed dewatering for the 20" FMV.
- Existing Plant
 - Set up temporary caustic feed system.

B. Work Planned for Next 30 Days

- General Site
 - Continue stormwater management & maintenance on site.
 - Backfill site around RO Building.
- Yard Piping
 - Pressure test remaining RW lines.
 - Complete 16" CRO to permeate pump header.
 - Install 12" ROC from Deep Injection Well.
 - Install remaining underground at well.
 - Install remaining duct banks, manholes, & misc. lighting runs.
- Wells
 - Perform well kill on Production Wells 3/4/5/6 & ASR Wells 2/4.
 - Install flange spool adapter piece at wellheads.



- RO Building
 - Entire Building:
 - Complete masonry clean-up & punch list.
 - Continue HVAC, plumbing, & electrical rough-in.
 - Complete roofing terminations and flashing.
 - Install skylights.
 - Prepare building for exterior coatings.
 - Install overhead doors.
 - Form & install reinforcing steel for generator pads.
 - Administration Area:
 - Complete plumbing, HVAC, and electrical rough-in.
 - Install insulation & drywall.
 - Install ceiling grid.
 - Begin coatings.
 - Electrical Room:
 - Complete interior wall coatings.
 - Install electrical switchgear & transfer switch.
 - Process Area
 - Begin interior wall coatings at process area.
 - Caulk and paint double tees above process area.
 - Begin overhead lighting and conduit.
 - Complete SST & PVC trench pipe installation.
 - Begin FRP grating installation.
 - Install CIP Cartridge Filter.
 - Install CIP Tanks.
- Degasifier
 - Begin vessel and blow installation.
- Blending Basin
 - Install weir plates inside Blend Basin.
 - Install PVC Process Piping and Valves inside tank.
- Ground Storage Tank
 - Complete leak test tank.
 - Disinfect and place tank into service.
 - Coat exterior walls of tank.
 - Install formwork and rebar for sidewalk.
- Chlorine Building
 - New design provided by Tetra Tech – WS pricing redesign.
 - Obtain building permit modification for redesigned facility.



- Deep Injection Well
 - Install above-ground SST pipe.
 - Set surge relief tank.
- Flow Meter Vaults
 - Install grout sloped floor in FM Vaults.
- Existing Plant
 - Dispose of existing HCl Acid.
 - Dispose of existing sodium hydroxide.

C. Critical Path Update

Critical Path Activities:

The critical path for the project is currently running through the RO building. The continued sequence is as follows:

- TPO roofing
- Electrical room paint
- Electrical gear installation
- RO Skid equipment install
- Process room equipment
- Startup / Testing
- Performance testing

D. Current & Potential Delays

1. Hurricane Dorian – Roofing & Critical Path lost 8 Calendar days.
2. Change to Sodium Hypochlorite – Permitting / Procurement Phase.



**City of Punta Gorda
Shell Creek WTP RO Addition**

*City of Punta Gorda Project #R2013102
Tetra Tech Project #200-08496-14003
Wharton-Smith Project #18-048*

**Progress Meeting #15 Agenda
Friday, September 13, 2019**

- I. Review of Previous Meeting Notes – Progress Meeting #14
- II. Action Item Review –

Number:	Action Description:	Ball In Court:	Date Assigned:	Status:	Notes
5	FPL Coordination	FPL	11/14/2019	In Progress	FPL installed wire from pole to new Transformer at RO Bldg. WSI coordinating wire install with FPL & Windemuller. FPL Contractor mobilizing week of 9/16/2019 to install transformers & wire. Well transformers and wire tentatively set for installation week of September 16th.
16	36-inch MOV at Existing Filters	CPG / TT	5/1/2019	In Progress	WSI advised that no credit is available for the valve. Tetra Tech to advise if valve is required at Start Up.
19	Coordinate RO Skids Programming	TT / Harn	6/12/2019	Closed	TT Provided write up. A subsequent phone conference meeting was held on 9/4/19 to confirm the programming requirements. Rocha is proceeding with programming. Rocha may have cost associated with programming effort
20	Programming Factory Acceptance Testing	TT / CPG	8/14/2019	Closed	Factory testing completed on 8/21/2019 at Rocha's shop.

21	New Road Redesign	TT / SED	8/14/2019	In Progress	Construction of the new road in the field has been placed on hold. RFI 096 has been returned. WSI had a survey performed of the existing road to see what modifications can be made. As-Built & CAD files have been sent to TT for review for access to well 6. DM provided pricing for import fill at back road, and this quote is under review.
22	RFC #013 Sodium Hypochlorite Structure	WSI	9/6/2019	In Progress	WSI working on pricing.

III. Review of Monthly Schedule Narrative – September 2019 Update

IV. Safety

- PPE Required.
 - i. Ongoing issue inside building. Safety glasses & hard hat always required.
- Excavation / trench safety ongoing with process pipe & electrical.
- Hurricane Season – Team monitoring storms and preparing as needed.
 - i. Hurricane Dorian delayed critical path, but site sustained no damage from storm.
- Tracking weather – Team monitoring lightning and storm activity.

V. Contractual Milestones:

Description	Contract Date	Previous Status Dates	Current Status Forecast Dates	Variance (Contract – Current)
Notice to Proceed	22-May-18	N/A		0
Contract Substantial Completion	20-Apr-20	07-Apr-20	17-Apr-20	0 WD
Contract Final Completion	21-May-20	05-May-20	15-May-20	3 WD

- Contract Time Percent Complete: 70% (Substantial Completion)
- Contract Time Remaining:
 - 220 Days to Substantial Completion – April 20, 2020
 - 251 Days to Final Completion – May 21, 2020

VI. Pay Application Processing

- Pay Application #13 – July 2019 - \$2,269,195.82 (Partial Payment Received)
- Pay Application #14 – August 2019 - \$1,236,698.69 (Sent 9/7/2019)
- Billed to Date – \$14,360,480.95
- Current Contract Value – \$23,800,157.76
- Owner Direct Purchases – \$5,418,091.24
- Contract Value Percent Complete - 60%

VII. Submittals

- 284 submittals sent for review
- 273 reviews have been completed
 - Approved / Approved as Noted – 266
 - Revise & Resubmit – 7
 - Engineer's Court – 10
- Critical Submittals in Review:
 - Generator Fuel Tank
- Submittal log will be sent out with the meeting minutes.

VIII. Request for Information

- 106 RFI's sent to-date; awaiting response on four.
 - RFI 100 – Caustic Metering Pump Control Panel
 - RFI 105 – Hazardous Warning Signs
 - RFI 106 – Shower Head Mark P5
 - RFI 107 – FACP at Sodium Hypochlorite Building

IX. Allowance/Contingency Transfers

- Approved
- Declined
 - i. RFC #005 – Chlorine Scrubber Ductwork & HVAC Improvements.
- Submitted
 - i. Additional Shell & Grading for Precast Roof Install
 - ii. CIP Tank Heater Electrical Change
 - iii. 24" Future Connection Line Installation
- Proposed
 - i. RFC #013 – Change to Sodium Hypochlorite

Additional Comments

**Next meeting scheduled for Wednesday, October 9, 2019 at 10:00am in the Wharton-Smith office trailer.