



Memorandum

To: *Jim Kizer, P.E.*

From: *Steve Solters, Construction Project Manager*

Date: *7/19/07*

Subject: *Okaloosa County Arbennie Pritchett Water Reclamation Facility:
Monthly Status: Inception through July 18, 2007*

This memorandum serves as the CDM status report for the referenced project from June 21, 2007 through July 18, 2007.

Progress of Work

Design

Design Drawings

A progress set of drawing is provided reflecting the status of the work through July 18, 2007.

General

- Hydraulic Profile: Calculations for hydraulic profile complete. Unit elevations set. Development of drawing underway.

Process Mechanical

- Headworks: Model is 50% complete and specifications for equipment are drafted. Technical coordination continues with Parkson for the procurement of the mechanical fine screens and screenings compactors. Technical coordination continues with Jones and Atwood for the procurement of the vortex grit collectors and grit classifiers. Technical coordination continues with Wemco for the procurement of the grit pumps. Technical coordination continues with WasteTech for the procurement of the septage receiving station.
- Upstream splitter box: Hydraulic profile is complete. This structure is currently modeled to 60%.
- BNR process: CDM conducted an evaluation of DeniteR system in lieu of internal recycle pumps and recommends the DeniteR system. Equipment selection for the bardenpho/carrousel system has been verified. Final layout of the bardenpho/carrousel

basins is being developed with input from EIMCO and PreCon. Technical coordination with EIMCO continues for the procurement of aerators, mixers, and DeniteR gates. Technical coordination continues with Sanitaire for the procurement of the reaeration basin diffused air system.

- Splitter Box/RAS Pump Station: Final configuration confirmed with the exception of the connections at the clarifier. The RAS pump station concept is complete.
- Clarifier: hydraulic analysis complete. Model of the clarifiers is 50% complete. Technical coordination continues with EIMCO for the procurement of the clarifier sludge collector mechanisms, weirs and baffles. Coordination with PreCon continues for the clarifier structure.
- U.V. and Effluent Pump Station: Design is approximately 40% pending RIBs input. Equipment specifications have been prepared and submitted for the UV equipment and technical coordination with IDI-Ozonix continues for procurement of the UV equipment.
- Solids Handling Systems: Polymer feed layout complete. Design development at 50% complete. Centrifuge model is 80% complete. Centrifuge Feed Pumps model at 50%. Rotary Drum Thickener (RDT) model is 75% complete. Digester model at 75% complete, blowers model at 80% complete. Specifications have been prepared for the blowers, RDT, aerobic digester diffused aeration system and centrifuge equipment. Technical coordination with PreCon continues for the digester structure. Technical coordination continues with Sutorbilt for procurement of the positive displacement blowers. Technical coordination with Parkson continues for the procurement of the RDT equipment. Technical coordination continues with Andritz for procurement of the centrifuge. Technical coordination continues with Sanitaire for procurement of the aerobic digester diffused air system.

Civil

- Grading and Drainage: Complete except for entrance road.
- Yard Piping: Design development is underway.
- Facility Storm water Permit: FDEP facility storm water permit has been obtained.
- Temporary Site Utilization: Temporary site utilization package is complete.

Architectural

- Maintenance Building: 3D model is 60% complete.
- Administration Building: 3D model is 60% complete.
- Specifications: Specifications are 60% complete.
- Master Building Permit: Master Building Permit has been obtained

Electrical

- Electrical design development continues in support of mechanical and architectural and is

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Instrumentation and Controls

- All PIDs are complete.
- Control logic narratives are in development

Procurement(SEE MY OTHER COMMENTS SENT PREVIOUSLY)

Technical Specification Sections 11261- Ultraviolet Disinfection, and 11363- Centrifuge, were submitted for review on June 21, 2007. No comments received to date.

Specifications for procurement for the following are ready for Owner review or release to vendors:

- RDT
- Digester Blowers
- Generator

Current Issues

CDM is awaiting response on RIBs design conditions. This is currently holding up progress on the U.V. and effluent pump station design and effluent pump selection. CDM is awaiting the final format for County purchasing paperwork with any associated cover language or terms.

cc: Kart Vaith
Charlie Voss
Don Maurer
Steve Solters
David Kozan