

ARDAMAN & ASSOCIATES, INC. PROGRESS MEETING REPORT FOR PINEY POINT GYPSUM STACK SYSTEM CLOSURE		File No.: 05-110A Meeting Date: <u>6/8/06</u> Report No: <u>64</u>	Page 1 of 4 Report Date: <u>6/12/06</u>
Project Name:	CLOSURE CONSTRUCTION - OGS SLOPES, TOP CAPS & RELIEF DITCH, SCP-S AND PHASE II - NGS SLOPES		Project Address: 13300 U.S. Highway 41 North Palmetto, Florida 34221 Manatee County
ATTENDEES: Ardaman: Rob Werner, John Cameron, Tony Deatherage Receiver: _____ FDEP: _____ CDM: Dean Carter, Mike Cruz, Steve Solters, George Curry, Jean Wilson Moretrench: Mike Panny, Paul Davis, Ralph Remmert Comanco: Tom Topp, Compass: Tim Morrow, Jeremy Giles			

COPY TO: Louis J. Timchak - Receiver
 FDEP: Phil Coram, Sam Zamani, John Coates
 Ardaman: Nadim Fuleihan, Rob Werner, Tom Leto, John Cameron, Tony Deatherage
 CDM: Steve Solters, Dean Carter, Michael Edgar, Michael Cruz, Dick Slovarp
 Moretrench: Al Schuman, Steve Voytko, Mike Panny, Nick Haddon, Ralph Remmert
 Comanco: Tom Topp, Paul Moore
 Compass: Tim Morrow, Jeremy Giles, Tom McSweeney

Next Meeting is Scheduled for Tuesday, Jun 13, 2006
Site Tour at 10:00 am followed by
Construction/Engineering & CDM Operations Meetings

1.0 REVIEW MINUTES OF PREVIOUS MEETING

No corrections were noted.

2.0 SAFETY

No safety incidents were reported.

3.0 SUMMARY OF WORK PERFORMED

Moretrench:

- Continued work on Phase I OGS slope closure - backfilling the seepage collection drain with sandy soil cover, finish grading the south stormwater ditch, started installation of geocomposite on the gypsum side of the south stormwater ditch, and installed the 8" outlet pipe from structure no. 1. Also cleaned silt from the geocomposite and drain, and regraded eroded areas.
- Continued work on Phase II NGS slope closure - grading and compacting east and north slopes above the 1:1 cut.
- Well Water usage this report - 125,000 gallons to water roads.
- Equipment: 5 D-6 dozers, 1 D-8 dozer, 2 compactors, 2 excavators, 2 water wagons, 1 loader, one 6-inch hydraulic pump - 19 personnel. Mobilized 1 excavator since last report.

Comanco:

- Continued liner work on the Phase I stormwater ditch - installed 80-mil liner from station 100+00 to 107+00; 83,632 sf of liner was installed since last report [note - this square footage was reported by Comanco's field superintendent after the meeting; square footage per Ardaman's technician was reported at 83,265 sf, 274,440 sf total as of 6/7/06].
- Equipment: 2 excavators, 1 loader, 1 track crawler dump, 1 4x4 Honda 350 w/trailer, 2 pick-up trucks, 1 QC trailer, 5 generators - 13 personnel

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Compass:

- Continued irrigation on the OGS-S slopes and watering for dust control.
- Started construction of the SCP-S Process Water Sump north dike; 3,036 cy (estimated by truck load count) was hauled and placed since last report [*note - J. Giles advised that this yardage was hauled to the north dike, and not to the pond bottom as reported at the meeting*].
- Continued relocating sludge/sediment and grading the SCP-S Process Water Sump pond bottom, and started hauling and placing soil fill to cover the sludge. Also started rough grading for the relief drain installation.
- Well Water usage this report - approximately 185,000 gallons.
- Equipment: 2 dump trucks, 1 water wagon, 2 dozers, 2 excavators, 1 compactor, 1 mini-excavator - 8 operators.

CDM

- Started receiving soil fill material from L.A. Enterprises on the day of the meeting, for construction (by Moretrench) of the perimeter dike adjacent to the seepage collection drain at the toe of the NGS-S east slope.

4.0 PROJECTED WORK FOR NEXT WEEK

Moretrench:

- Continue work on the Phase I OGS slope closure - backfill sandy soil cover atop the seepage collection drain, grade and compact the south stormwater ditch bottom and slopes for liner subgrade, and install geocomposite. Also install structure nos. 1 and 2 and the 24" outlet pipe from structure no. 2 in the west stormwater ditch.
- Continue work on the Phase II NGS slopes above the 1:1 cut; also start construction of the perimeter dike adjacent to the seepage collection drain at the toe of the NGS-S east slope.

Comanco:

- Continue liner work in the Phase I storm water ditches.
- Resume modifications to the NGS-N spray evaporation system.

Compass:

- Continue irrigating OGS grassed slopes and watering for dust control.
- Continue relocating sludge/sediment and grading the SCP-S Process Water Sump, and placing fill to cover the sludge; also continue construction of the PWS north dike.
- Start installation of the relief drain at the SCP-S Process Water Sump inside toe of the east dike.
- Start mowing grassed areas.

CDM

- Continue receiving soil fill material for construction of the perimeter dike at the toe of the NGS-S east slope.

5.0 SURVEY NOTES

- Moretrench/Edgemon as-built surveyed the Phase II east slope above the 1:1 cut on 5/19/06, from station 159+80 to 137+30, and provided a hard copy and ACAD version to Ardaman on 5/23/06 for review. An evaluation of road crest elevation data was distributed by Ardaman at the 6/1/06 meeting - grades along portions of the crest road need to be adjusted. Ardaman reviewed survey data for the east slope above the 1:1 cut to assist CDM/Moretrench with cut/fill balance, and indicated at the meeting that up to 6,000 cy could be placed under the "fattened" east slope to accommodate gypsum cut from the north slope.
- Moretrench/Pickett performed take-up quantity surveys on 5/22/06 for the OGS Phase I slopes, and the NGS Phase II slopes. Drawings dated 5/25/06 were provided to Ardaman at the 6/1/06 construction meeting; ACAD files were requested.

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- Moretrench/Edgemon as-built surveyed the Phase I OGS south stormwater ditch on 6/1/06 for liner subgrade from station 109+00 to 113+00; the ditch was re-surveyed on 6/7/06 by Moretrench after corrective work was completed.

6.0 PROJECT SCHEDULE

- 2 workdays were lost by Compass to weather this reporting period; none by Moretrench or Compass.
- CDM will update the project schedule on 6/9/06 and distribute by email.
- Weekend work schedule: Moretrench and Compass will work on Saturday.

7.0 SHOP DRAWINGS and SUBMITTALS

All shop drawings and submittals should be submitted to Rob Werner (Ardaman) for approval, with transmittals only copied to John Cameron (Ardaman) and Steve Solters (CDM).

- CDM submitted drawings by email on 5/31/06 to Ardaman for review and approval, for the following HDPE manhole structures: SCP-S PWS Inlet Structure No. 1, SCP-S PWS Pump Sump, Phase II Inlet Structure No. 3.
- CDM submitted drawings by email on 5/31/06 to Ardaman for review and approval, for HDPE valve boxes in the Phase II slope closure and the SCP-S PWS closure.
- Samples were provided on 6/1/06 by CDM to Ardaman for the following: non-woven geotextile (from 3 rolls - testing in progress), geocomposite (3 rolls - testing in progress), and 1 sewn geotextile seam.
- A sample of soil fill from L.A. Enterprises, provided on 6/5/06 by CDM to Ardaman, was approved at the meeting for use in construction of the NGS-S stormwater ditch berm.

8.0 TECHNICAL ITEMS/CLARIFICATIONS AND QUALITY ASSURANCE

Updated drawing sets, dated 9/28/05, were distributed at the 9/29/05 meeting for the NGS-S Cap and NGS-N Relief Ditch and the Phase I Slope Closure. Revised Phase I Slope Closure drawing Nos. C-2, C-5, C-6, D-6, D-9, D-10, D-11), dated 2/15/06 (various revision nos.) were distributed at the 2/16/06 construction meeting to reflect changes related to lowering the OGS south stormwater ditch seepage collection drain. Electronic (ACAD) are available for download from Ardaman's ftp web site. Current drawings, dated 12/16/05, were distributed at the 12/16/05 meeting for Slope Cover Construction - OGS Ponds. Current drawings (including all detail drawings for structures, drains, etc.), dated 12/22/05 (various revision nos.), for the Phase II Slope Closure were delivered to CDM at the site on 12/23/05. Current drawings (including all detail drawings for structures, drains, etc.), dated 1/11/06 (various revision nos.), for the SCP-South Compartment Closure were distributed on 1/12/06, along with CD's containing ACAD files for all current for the SCP-South and Phase II slope Closure drawings. Revised SCP-South Compartment Closure Drawing No. D-6, dated 2/15/06 (Rev. 1), was distributed at the 2/16/06 construction meeting to reflect changes related to the lowered the OGS south seepage collection drain - an electronic version (ACAD) was emailed to CDM and Moretrench on 2/28/06.

Regarding specifications for the OGS Slopes, Top Cap Areas and NGS-N Relief Ditch, pertinent NGS-S Reservoir, Phase II OGS Compartment Closure and ITN specification documents shall be used. Pertinent specification sections from the Phase II and ITN sources, along with specifications for HDPE panel drains and concrete erosion control mats, were issued in a preliminary specification document (Sections 24, 25, 26, 27, 28, 29 and 30, all revision 0, dated 7/6/05) on 7/7/05. Additional supplemental specifications for "Woven Geotextile" and "General Earthwork Using Soil" (Sections 31 and 32, both revision 1, dated 1/4/06) were distributed at the meeting on 1/5/06.

- Preliminary drawings and CD's were distributed at the 9/15/05 meeting for the NGS-S Soil Slope Cover Construction, C-1 through C-5 for Contractor's use in estimating take-off quantities.

Quality Control Activities

- Ardaman had 5 technicians on site this reporting period.
- Phase 1 slope closure in-place gypsum/soil density tests - no change - 906 tests passing, none failing, none pending.
- Phase 2 slope closure in-place gypsum/soil density tests - 41 tests passing, none failing, none pending.

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- SCP south compartment in-place gypsum/soil density tests - 50 tests passing, none failing, 3 pending.
- OGS-S slope cover in-place soil fill density tests - no change - 59 passing, none failing, none pending.
- Phase I stormwater ditch liner seam destructive testing (DT's) - 28 marked, 19 passing, none failing, none pending. A summary of DT testing (revision 3, dated 3/29/06) was last distributed on 3/30/06.
- Phase I stormwater ditch liner anchor trench density tests - 39 tests passing, none failing, none pending.

Miscellaneous

- Rainfall: CDM reported 2.87 inches from 5/31/06 through 6/6/06.
- It was noted at the 5/4/06 construction meeting that some sod areas were not responding to irrigation efforts by Compass. Compass indicated that the sod supplier has visited the site to assess the condition of the sod - a report has been provided by Compass to CDM, and will be forwarded to FDEP and Ardaman.
- Regarding permit status for the Gulfstream II borrow pit, Compass indicated that a draft permit application has been reviewed and approved by Gulfstream, and will be submitted to CDM. CDM will forward to FDEP.
- Regarding consideration of the Port Manatee dredge disposal borrow area, Compass distributed laboratory test results by Geosyntec of samples (taken on 5/10/06) and Ardaman requested a generalized soil profile of the proposed borrow area at the 6/1/06 construction meeting. Compass reported that an electronic copy of Geosyntec's report will be provided via email. Ardaman will email results of their testing next week.

Acceptances

- On 6/1/06 for gypsum amendment and grassing, the NGS-S south slope above the 1:1 cut; grades along portions of the crest road need to be adjusted.
- On 6/6/06 for liner installation, OGS Phase I south stormwater ditch subgrade, from station 105+00 to 108+00.

9.0 COMMENTS by PROGRAM MANAGER

- Status regarding Phase II Slope Closure is as follows: Comanco agreed to Ardaman's quantities per 1/24/06 email; Moretrench agreed to Ardaman's quantities per 3/2/06 email; CDM received Compass' input for soil cover and grassing quantities, and forwarded by email on 5/23/06 to FDEP and Ardaman for review - Ardaman's review is in progress.
- Status regarding SCP-S Compartment closure is as follows: Comanco liner quantity estimates are essentially in agreement with the quantities provided by Ardaman via email on 2/6/06; a break-out of proposed pay quantities for other work in the Process Water Sump has been completed by CDM and was forwarded to FDEP and Ardaman for review. Agreement has been reached on quantities and language regarding resolution of potential disputes.
- Change order requests related to Phase I closure gypsum quantity adjustments and Phase I south seepage collection drain lowering are in progress.

10.0 COMMENTS by FDEP

FDEP was not represented at the meeting.

11.0 COMMENTS by the RECEIVER

The Receiver was not represented at the meeting.