

ARDAMAN & ASSOCIATES, INC. PROGRESS MEETING REPORT FOR PINEY POINT GYPSUM STACK SYSTEM CLOSURE		File No.: 05-110A Meeting Date: <u>6/1/06</u> Report No: <u>63</u>	Page 1 of 4 Report Date: <u>6/8/06</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: Nadim Fuleihan, Tom Leto, Rob Werner, John Cameron, Tony Deatherage Receiver: _____ FDEP: John Coates CDM: Mick Edgar, Dean Carter, Mike Cruz, Steve Solters, George Curry, Jean Wilson Moretrench: Mike Panny, Paul Davis, Ralph Remmert Comanco: Tom Topp Compass: Tom McSweeney, 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 Thursday, June 8, 2006
Construction/Engineering Meeting at 9:00 am

1.0 REVIEW MINUTES OF PREVIOUS MEETING

No corrections were noted.

2.0 SAFETY

As previously reported last meeting, a Moretrench operator was splashed in the right eye with diesel while fueling equipment on 5/23/06. CDM copied the incident report by email on 5/26/06 to FDEP.

3.0 SUMMARY OF WORK PERFORMED

Moretrench:

- Continued work on Phase I OGS slope closure - continued backfilling the seepage collection drain with sandy soil cover and finish grading the south stormwater ditch.
- Completed closing in the outer dike between the south and west toe roads.
- 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 - 20,000 gallons to water roads.
- Equipment: 5 D-6 dozers, 1 D-8 dozer, 2 compactors, 1 excavator, 2 water wagons, 1 loader, one 6-inch hydraulic pump - 19 personnel. Demobilized 1 loader and 1 dump truck since last report.

Comanco:

- Continued work on modifications to the NGS-N spray evaporation system.
- Resumed liner work on the Phase I stormwater ditch - started excavating anchor trench on 5/31/06.
- 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

Compass:

- Continued irrigation on the OGS-S slopes and watering for dust control.
- Completed construction of the SCP-S partition dike (west dike of the Process Water Sump); 836 cy (estimated by truck load count) was hauled and placed since last report, 31,086 cy total as of 5/25/06.

ARDAMAN & ASSOCIATES, INC. PROGRESS MEETING REPORT FOR PINEY POINT GYPSUM STACK SYSTEM CLOSURE	File No.: 05-110A	Page 2 of 4
	Meeting Date: <u>6/1/06</u>	
	Report No: <u>63</u>	Report Date: <u>6/8/06</u>
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

- Continued relocating sludge/sediment and grading the SCP-S Process Water Sump - no fill was hauled by truck since last report.
- Well Water usage this report - approximately 220,000 gallons.
- Equipment: 2 dump trucks, 1 water wagon, 2 dozers, 2 excavators, 1 compactor, 1 mini-excavator - 7 operators. 1 mini-excavator was mobilized since last report.

CDM

- Continued installation of irrigation system on the OGS slopes - irrigation was started on a portion of the west 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 and grade, grade and compact the ditch bottom and slopes for liner subgrade, and install structure nos. 1 and 2 and outlet pipes in the west ditch.
- Continue work on the Phase II NGS slopes above the 1:1 cut; start installation of the seepage collection drain.

Comanco:

- Continue liner installation in the OGS south stormwater ditch, starting at station 100+00.
- Continue 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.
- Start installation of the relief drain at the SCP-S Process Water Sump inside toe of the east dike.

5.0 SURVEY NOTES

- Moretrench/Pickett as-built surveyed the NGS-S south slope above the 1:1 cut; an ACAD version was emailed to Ardaman on 5/11/06, and crest liner elevations were faxed on 5/12/06. Ardaman indicated that the south slope grades above the 1:1 cut are satisfactory. Grades along portions of the NGS-S south crest road need to be adjusted.
- Moretrench/Edgemon as-built surveyed the Phase I OGS south stormwater ditch for liner subgrade on 5/19/06, and provided a hard copy to Ardaman on 5/23/06 for review. The as-built was re-surveyed from station 100+00 to 108+00 on 5/31/06 after corrective work by Moretrench - see 8.0 Technical Items - Miscellaneous for more.
- 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 meeting. Ardaman will review the east slope above the 1:1 cut to assist CDM/Moretrench in determining the remaining quantity of gypsum fill that can be placed under the "fattened" east slope grades if needed to balance cut and fill for the Phase II slope grading.
- 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 meeting; ACAD files were requested.

6.0 PROJECT SCHEDULE

- No workdays were lost to weather this reporting period.
- CDM updated the project schedule (full schedule and 2-week-look-ahead) through work progress as of 5/30/06; the schedule was distributed by email on 5/30/06, and hard copies were provided at the meeting. Key activities were reviewed by CDM and its subcontractors at the meeting. CDM noted that line 1926 "install fabric" has been deleted from the SCP-S closure, because it is not believed that woven geotextile between the sediment/sludge and subgrade soil fill will be necessary.

ARDAMAN & ASSOCIATES, INC. PROGRESS MEETING REPORT FOR PINEY POINT GYPSUM STACK SYSTEM CLOSURE	File No.: 05-110A	Page 3 of 4
	Meeting Date: <u>6/1/06</u>	
	Report No: <u>63</u>	Report Date: <u>6/8/06</u>
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

- Regarding Moretrench's intent to begin installation of the Phase II seepage collection drain next week, concerns were expressed concerning degradation of the geotextile if the drain installation were not soon followed by the ditch liner installation. Recognizing that the liner installation is dependent upon construction of the soil toe road, several options were discussed to provide soil borrow material. CDM indicated that they are making arrangements to obtain soil fill so that this work can begin next week.
- Weekend work schedule: Moretrench and Compass will work on Saturday; Comanco will advise.

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/Compass provided the concrete mix design for the OGS-S inlet structure modification to Ardaman at the 5/18/06 construction meeting - the mix design was approved by Ardaman at the meeting.
- As requested in Ardaman's email on 5/8/06, CDM provided additional certifications from Skaps Industries, dated 5/25/06, for the W315-210 woven geotextile; Ardaman indicated by email on 5/30/06 that the certification is acceptable.
- CDM/Comanco provided a proposed panel placement drawing for the SCP-S south compartment, by email on 5/22/06 to Ardaman for review and approval. The drawing was approved by email on 5/30/06 for the Process Water Sump.
- 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.

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 4 technicians on site this reporting period.
- Phase 1 slope closure in-place gypsum/soil density tests - 906 tests passing, none failing, none pending.
- Phase 2 slope closure in-place gypsum/soil density tests - 38 tests passing, 1 failing station 137+30, 2 pending.

ARDAMAN & ASSOCIATES, INC. PROGRESS MEETING REPORT FOR PINEY POINT GYPSUM STACK SYSTEM CLOSURE	File No.: 05-110A	Page 4 of 4
	Meeting Date: <u>6/1/06</u>	
	Report No: <u>63</u>	Report Date: <u>6/8/06</u>
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

- SCP south compartment in-place gypsum/soil density tests - 47 tests passing, none failing, none 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) - no change - 19 marked, 19 passing, none failing, none pending. A summary of DT testing (revision 3, dated 3/29/06) was distributed on 3/30/06.
- Phase I stormwater ditch liner anchor trench density tests - no change - 24 tests passing, none failing, none pending.

Miscellaneous

- Rainfall: CDM reported 0.00 inches from 5/23/06 through 5/30/06.
- 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, and determined that the sod needed more water and more time - CDM/Compass were requested by FDEP to provide an email report summarizing the supplier's assessment and recommendations.
- Several problems were discussed relative to sod and amended gypsum grassing installed to date. The OGS Cap slopes are generally covered with windblown soil, and/or are eroded from rainfall events. Weed growth has proliferated in many locations, inhibiting grass growth and restricting irrigation by sprinklers. It was recommended that mowing should be initiated to control the weeds, and that eroded and bare areas should be repaired and/or re-grassed.
- As requested last meeting, CDM submitted a typical cross-section to FDEP and Ardaman by email on 5/26/06 to illustrate their proposal to modify the OGS south stormwater ditch liner subgrade, where it was over-excavated on the gypsum side of the ditch. CDM's proposal was approved as noted by Ardaman by email on 5/26/06.
- Regarding permit status for the Gulfstream II borrow pit, Compass indicated that a draft permit application is presently being reviewed by Gulfstream, and will be submitted next week to FDEP and Ardaman for their review. The permit application will then be submitted for approval by Gulfstream to Manatee County and FDEP and/or SWFWMD.
- Regarding consideration of the Port Manatee dredge disposal borrow area, Compass submitted laboratory test results by Geosyntec for samples taken on 5/10/06. Suitability of this material area for soil cover over liner and/or soil fill below liner was tabled for further discussion at the Program Manager's meeting.

Acceptances

- On 5/31/06 for liner installation, OGS Phase I south stormwater ditch subgrade, from station 100+00 to 105+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.
- 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; language regarding resolution of potential disputes is still being discussed.
- CDM received input from Moretrench on 5/25/06 for Phase I closure gypsum quantity adjustments - a change order request is in progress by CDM.
- A change order request is in progress for the elevation change in the Phase I south seepage collection drain.

10.0 COMMENTS by FDEP

- FDEP requested meaningful milestones for monitoring closure progress, in particular with respect to grass establishment.
- More timely submittals of change order proposals was requested.

11.0 COMMENTS by the RECEIVER

The Receiver was not represented at the meeting.