

ARDAMAN & ASSOCIATES, INC. PROGRESS MEETING REPORT FOR PINEY POINT GYPSUM STACK SYSTEM CLOSURE		File No.: 05-110A	Page 1 of 4
		Meeting Date: <u>5/11/06</u>	
		Report No: <u>60</u>	Report Date: <u>5/17/06</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, George Curry, Jean Wilson Moretrench: Steve Voytko, Mike Panny, Paul Davis, Ralph Remmert Comanco: Paul Moore 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, Vernon Giles, Tom McSweeney

Next Meeting is Scheduled for Thursday, May 18, 2006
Site Tour at 8:00 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 slope closure seepage collection drain - connected the east end of the drain to the existing 12" drain, backfilled the dewatering ditch and started installation of clean-outs.
- Continued work on Phase II slope closure - grading and compacting south and east slopes; started installation of PVC irrigation header pipe to provide water for compaction.
- Well Water usage this report - 120,000 gallons.
- Equipment: 5 D-6 dozers, 1 D-8 dozer, 2 compactors, 2 excavators, 3 water wagons, 2 loaders, 3 dump trucks, one 6-inch hydraulic pump - 15 personnel.

Comanco: No work was done since last report.

Compass:

- Continued irrigation on the OGS-S slopes and watering for dust control.
- Continued base preparation and construction of the SCP-S partition dike (west dike of the Process Water Sump); 8,602 cy (estimated by truck load count) was hauled from stockpile and placed since last report, 20,900 cy total as of 5/10/06.
- Continued relocating sludge/sediment from the east side of the SCP-S Process Water Sump and placing fill on the pond bottom - 3,630 cy (estimated by truck load count) was hauled from stockpile and placed since last report.
- Excavated 5 test pits at the Port Manatee dredge disposal area on 5/10/06, to evaluate its potential as a borrow area for soil fill. Grab samples of various horizons encountered were obtained by Ardaman.

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- Well Water usage this report - approximately 210,000 gallons.
- Equipment: 2 dump trucks, 1 water wagon, 2 dozers, 1 excavator, 1 compactor - 7 operators.

CDM

- Started installation of HDPE irrigation header for watering grass on the OGS west crest.
- Received 27 rolls of Transnet 270-2-8 geocomposite for the Phase II slope closure and the SCP-S closure.

4.0 PROJECTED WORK FOR NEXT WEEK

Moretrench:

- Continue work on the OGS south ditch seepage collection drain - continue installation of clean-outs, and start sand fill cover placement.
- Continue work on the Phase II slope closure - south and east slopes and ditches.

Comanco:

- Monitor seepage collection drain installation for resumption of liner work in the Phase I storm water ditches.

Compass:

- Continue irrigating OGS grassed slopes and watering for dust control.
- Continue construction of the SCP-S partition dike and grading the east side of the Process Water Sump.

CDM

- Continue installation of irrigation system on the OGS west crest.

5.0 SURVEY NOTES

- CDM/Pickett provided a hard copy of survey data for the ditch, water elevation and perimeter road profiles along the toe of the NGS-S south slope, at the 4/13/06 construction meeting; CDM emailed a pdf version to Ardaman on 4/20/06; an ACAD version was emailed by Pickett on 5/11/06.
- Picket as-built surveyed (for Moretrench on 4/24/06) the NGS-S slope (partial) above the 1:1 cut, and approximately 1,765' of seepage collection drain installed in the OGS-S south ditch; a hard copy was provided to Ardaman on 5/12/06. While the hard copy was suitable for checking the OGS drain installation, Ardaman requested by email on 5/10/06 an ACAD version and as-built elevations on the crest liner, for checking the NGS-S slopes.

6.0 PROJECT SCHEDULE

- One workday was lost to weather this reporting period.
- CDM will update the project schedule and distribute by email on Tuesday, 5/16/06.
- 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/Compass were requested to submit the concrete mix design for the OGS-S inlet structure modification.
- CDM submitted shop drawings for 2 SCP south compartment HDPE manholes to Ardaman by email on 4/26/06; the submittals were approved as noted by email on 5/10/06.

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- CDM submitted a shop drawing by McNichols Company for SCP-S and Phase II slope ditch inlet structure grates to Ardaman by email on 5/8/06; Ardaman responded by email on 5/10/06 that the specified 3" x 3" opening size is preferred.
- CDM submitted certifications for the following materials to Ardaman by email on 5/5/06: SKAPS W315 woven geotextile (for use in the SCP-S Process Water Sump); SKAPS GE112non-woven geotextile; and Transnet 270-2-8 geocomposite. Based on a review of certifications and test results, the materials were conditionally approved by email on 5/8/06, except additional certifications were requested for the SKAPS W315 woven geotextile.

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 3 technicians on site this reporting period.
- Phase 1 slope closure in-place gypsum/soil density tests - 869 tests passing, 3 failing (OGS south ditch north slope), none pending.
- Phase 2 slope closure in-place gypsum/soil density tests - 28 tests passing, none failing, none pending.
- SCP south compartment in-place gypsum/soil density tests - 2 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 5/3/06 through 5/8/06.
- 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 would be visiting the site to assess the condition of the sod - CDM/Compass were requested by FDEP to provide a report summarizing the supplier's assessment and recommendations.

Acceptances

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- On 5/8/06, Phase I slope closure seepage collection drain installation from station 101+65 to 119+30, accepted for sandy soil fill cover.

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 - Compass is double-checking sod quantity.
- 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 will be forwarded to FDEP and Ardaman for review.
- Change Order No. 12 was sent to FDEP for signature on 5/10/06.

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.

- Index of final design drawings, as-built drawings and specifications for closure work by Ardaman is in progress.