

ARDAMAN & ASSOCIATES, INC. PROGRESS MEETING REPORT FOR PINEY POINT GYPSUM STACK SYSTEM CLOSURE		File No.: 05-110A Meeting Date: <u>9/7/06</u> Report No: <u>77</u>	Page 1 of 4 Report Date: <u>9/12/06</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: Nadim Fuleihan, Rob Werner, John Cameron, Tony Deatherage FDEP: John Coates CDM: Mick Edgar, Dean Carter, Mike Cruz, Steve Solters, Jean Wilson, George Curry Moretrench: Mike Panny, Ralph Remmert Comanco: Tom Topp Compass: Tom McSweeney, Jeremy Giles			

COPY TO: 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
 HRK: Art Roth, Ivan Nance

Next Meeting is Scheduled for Thursday, September 14, 2006
Construction/Engineering Meeting at 9:00 am

1.0 REVIEW MINUTES OF PREVIOUS MEETING

No corrections were noted.

2.0 SAFETY

CDM reported that a 4160 volt transformer, located at the northeast corner of Basin No. 2, was vandalized sometime as recently 9/5/06. A report was forwarded to FDEP and HRK on 9/5/06.

3.0 SUMMARY OF WORK PERFORMED

Comanco:

- Completed anchor trench compaction in the SCP-S Pond Water Sump.
- Continued liner repairs in the NGS-S.
- Resumed work to extend the Phase I Slope Closure stormwater ditch liner at the inboard anchor trench, where it is below design elevation.
- Equipment: 1 excavator, 2 3-inch pumps, 2 loaders, 1 track crawler dump, 2 trailers, 3 pick-up trucks, 1 crew bus, 2 QC trailers, 6 generators - 29 personnel.

Compass:

- Well Water usage - none used since last report.
- Continued mowing OGS/NGS Cap areas (second mowing).
- Removed irrigation system from the OGS-S pond.
- Continued road repairs at OGS south dike along Buckeye Road.
- Equipment: 2 dump trucks, 1 water truck, 2 D6 dozers, 1 excavator, 1 motor grader - 8 personnel.

CDM

- Received the following from Lane Piping for Phase II Slope Closure: 36-inch inlet structure no. 1, 48-inch inlet structure no. 2, 2 each 8-inch SS/neoprene gaskets.
- Started airboat dredging test in the SCP-N.

ARDAMAN & ASSOCIATES, INC. PROGRESS MEETING REPORT FOR PINEY POINT GYPSUM STACK SYSTEM CLOSURE	File No.: 05-110A	Page 2 of 4
	Meeting Date: <u>9/7/06</u>	
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4.0 PROJECTED WORK FOR NEXT WEEK

Comanco:

- Continue liner repairs and anchor trench compaction in the Phase II Slope Closure stormwater ditch.
- Continue work to extend the Phase I Slope Closure stormwater ditch liner at the inboard anchor trench, where it is below design elevation.
- Continue liner repairs in the NGS-S.
- Start Phase II Slope Closure stormwater ditch drain installation. See 8.0 Technical Items - Miscellaneous.

Compass:

- Continue mowing OGS/NGS Cap areas and slope pond (second mowing).
- Continue road repairs at OGS south dike along Buckeye Road.

CDM

- Continue airboat dredging test in the SCP-N.

5.0 SURVEY NOTES

- Compass/Edgemon completed as-built survey updates for the SCP-S Process Water Sump liner subgrade on 9/7/06. Ardaman requested a composite survey in ACAD format.
- Moretrench/Edgemon provided as-built surveys of the OGS north ditch rip-rap depressions on 7/21/06, 7/24/06, 7/26/06 and 8/3/06; Moretrench was requested to incorporate the as-built data into the composite as-built for the Phase I Slope Closure stormwater ditches - Ardaman requested an ACAD version for the composite as-built.
- CDM/Comanco were requested at the 8/17/06 construction meeting to provide an as-built of the Phase II Slope Closure stormwater ditch liner inboard anchor trench, which was not excavated at the time of the subgrade survey. The survey was performed on 8/28/06 - CDM is awaiting results.
- CDM was requested at the 8/24/06 construction meeting to survey water elevations in the seepage ditch and adjacent Buckeye Road ditch near the southwest corner of the SCP-S. The survey was performed on 8/28/06 - CDM is awaiting results from Edgemon.
- Standing water was observed during the site tour on the road between the OGS-S and -OGS-N ponds; CDM was requested to survey the road grades.

6.0 PROJECT SCHEDULE

- No workdays were lost to weather this reporting period.
- CDM updated the project schedule and distributed by email on 9/5/06. The updated schedule was distributed and discussed at the meeting. It was noted that anchor trench compaction was completed in the SCP-S PWS on 9/5/06.
- Regarding resumption of soil cover, Compass indicated that they should start hauling at least a limited quantity of soil in early October, sufficient to start soil cover in the stormwater ditches. If the preferred Gulfstream II borrow area is not ready at that time, Compass indicated that they have an alternate source on Grass Farms Road.
- Weekend work schedule: no work is planned this weekend.

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).

- Comanco submitted liner panel placement drawings on 7/28/06 for the Phase II Slope Closure 80-mil stormwater ditch and 60-mil stormwater pond. The 80-mil stormwater ditch was approved by Ardaman on 7/31/06, subject to minor field adjustments. The 60-mil stormwater pond requires clarification regarding cross seams.

8.0 TECHNICAL ITEMS/CLARIFICATIONS AND QUALITY ASSURANCE

ARDAMAN & ASSOCIATES, INC. PROGRESS MEETING REPORT FOR PINEY POINT GYPSUM STACK SYSTEM CLOSURE	File No.: 05-110A	Page 3 of 4
	Meeting Date: <u>9/7/06</u>	
	Report No: <u>77</u>	Report Date: <u>9/12/06</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

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 finish grades for the SCP-S Process Water Sump, a drawing was provided by Ardaman at the 7/6/06 construction meeting (and attached to meeting minutes) indicating optional design grades for the pond bottom area, which were adopted by CDM/Compass. Drawing Nos. C-1, C-3, C-4, D-1 and L-1 will be updated for the record to indicate the revised grading plan.

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.
- Preliminary drawings for the NCP capacity upgrade project were revised; CAD files were emailed to CDM on 7/19/06 and 4 sets of hard copies were distributed at the 7/20/06 construction meeting. Preliminary technical specifications (revision P1) were emailed to CDM on 7/14/06.
- Drawings were distributed by Ardaman at the 7/20/06 meeting for additional panel drains required in the following areas: OGS Slope Pond, OGS-N Cap, OGS west and south ditches, and the NGS-S east ditch. CDM was requested to provide a proposal for the extra work. Copies of these figures were attached to the electronic version of the meeting minutes.

Quality Control Activities

- Ardaman had 4 technicians on site this reporting period.
- Phase I Slope Closure in-place gypsum/soil density tests - no change - 945 tests passing, none failing, none pending.
- Phase II Slope Closure in-place gypsum/soil density tests - no change - 121 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 II Slope Closure 80-mil stormwater ditch liner seam destructive testing (DT's) - no change - 11 marked, 11 passing, none pending. A summary of DT testing dated 8/24/06, revision 1, was distributed at the 8/24/06 construction meeting.
- NGS-S repairs liner seam destructive testing (DT's) - 3 marked (#'s 334-336).
- Phase II stormwater ditch liner anchor trench density tests - no change - 3 passing, 1 failing, none pending.
- SCP-S Process Water Sump liner anchor trench density tests - 15 passing, none failing, none pending - anchor trench compaction and testing is complete for this portion of the project..

Miscellaneous

- Rainfall: CDM reported 3.22 inches from 8/29/06 through 9/5/06.
- Compass/Tate Environmental will email CDM a tabulation for grassing work to date, including dates of installation, fertilizing, repairs, etc.

ARDAMAN & ASSOCIATES, INC. PROGRESS MEETING REPORT FOR PINEY POINT GYPSUM STACK SYSTEM CLOSURE	File No.: 05-110A	Page 4 of 4
	Meeting Date: <u>9/7/06</u>	
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- Regarding on-site material storage, packaging and temporary covers (tarps) on fabric-wrapped panel drain, non-woven geotextile and geonet geotextile composite materials against sunlight-UV degradation been damaged (or blown away) resulting in deterioration of some rolls. CDM will provide samples to Ardaman for testing. CDM may arrange use of the DAP warehouse building for with HRK for temporary material storage.
- CDM inquired, considering that the SCP-PWS is substantially complete, if the temporary gypsum cofferdams can be removed from the return ditch. It was agreed that CDM can proceed, but maintenance of the existing culverts in the return ditch that have become plugged with sediment will first need to be undertaken. Ardaman also suggested cleaning accumulated sediment from return ditch between the downstream side of the plugged culverts and the north cofferdam to reduce the potential for sediment accumulation in the SCP PWS in the event that the outlet pipe needs to be activated for gravity conveyance into the lined surge area.
- CDM held a brief meeting with Comanco and Ardaman after the construction meeting to discuss coordination, sequencing and general plans regarding installation of the Phase II seepage collection drains.

Acceptances

- Liner anchor trench compaction and testing was completed on 9/5/06 for the SCP-S PWS.

9.0 COMMENTS by PROGRAM MANAGER

- Documentation provided by Moretrench in a report by their consultant (JBM&R) pertaining to their change order claim to CDM related to Phase I closure gypsum quantity adjustments, stormwater conveyance structures and Phase I seepage collection drain were discussed at a meeting on 8/9/06 with FDEP and Ardaman. CDM indicated that they provided feedback to Moretrench on 8/23/06 and 8/28/06, and is awaiting a response from Moretrench. The subject change order requests have not yet been submitted to FDEP for review.
- A proposal for the gravel erosion protection, yet to be installed along the inboard slope of the access road at the toe of the OGS-S slope cover, was discussed at the 8/10/06 Program Manager's meeting without resolution.
- Soil cover quantities for Tasks C2 and C3 will be reviewed at the Program Manager's meeting.
- CDM is waiting on Compass for a proposal to install additional panel drains, requested by Ardaman at the 7/20/06 construction meeting, in the OGS Slope Pond, OGS-N Cap, OGS west and south ditches, and the NGS-S east ditch.

10.0 COMMENTS by FDEP

- It was requested that certain Operations activities, relating to water management milestones, be included in the Project Schedule (or perhaps tabulated in an Excel spreadsheet) by CDM, such as dredging the SCP-N.
- Based on observations during the site tour that the mowing height in some of the cap areas, particularly in the NGS-S Cap, appeared lower than expected.