

ARDAMAN & ASSOCIATES, INC. PROGRESS MEETING REPORT FOR PINEY POINT GYPSUM STACK SYSTEM CLOSURE		File No.: 06-110A	Page 1 of 4
		Meeting Date: <u>10/5/06</u>	
		Report No: <u>81</u>	Report Date: <u>10/11/06</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 FDEP: John Coates CDM: Dean Carter, Mike Cruz, Steve Solters, Jean Wilson, George Curry Comanco: Tom Topp Compass: Tim Morrow, Dylan Giles HRK: Art Roth			

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, October 12, 2006
Construction/Engineering Meeting at 9:00 am

1.0 REVIEW MINUTES OF PREVIOUS MEETING

- Section 9.0 Comments by Program Manager - the scheduled meeting date regarding Moretrench's change order claim related to Phase I closure was incorrectly recorded as 10/12/06 - the meeting was actually scheduled for 10/5/06.
- Section 4.0 Projected Work for Next Week by Compass - Compass indicated that the work planned on the Gulfstream II property was subject to Gulfstream authorization, which has not yet been received.

2.0 SAFETY

No incidents were reported.

3.0 SUMMARY OF WORK PERFORMED

Comanco:

- Continued work on the Phase II Slope Closure stormwater ditch - installed about 200' of seepage collection drain, and deployed 13,167 sf of 80-mil liner (103,372 sf total as of 10/3/06). Also continued anchor trench compaction. Detail work is essentially on HOLD pending satisfactory resolution of the extrusion welding problems - see 8.0 Technical Items - Miscellaneous for more.
- Equipment: 2 excavators, 2 dozers, 2 plate compactors, 2 3-inch pumps, 1 loader, 1 track crawler dump, 1 trailer, 2 pick-up trucks, 1 crew van, 2 QC trailers, 6 generators, 1 smooth-drum roller- 28 personnel. The sheepsfoot roller is presently being exchanged for a ditch-cleaning excavator.

Compass:

- Well Water usage - 10,000 gallons used for dust control since last report (water truck broke down and is being repaired).
- Continued road repairs as needed.
- Started mowing the Phase I gypsum slopes (Scag mower broke down and is being repaired), and repairing erosion gullies on the west slope.
- Equipment: 5 dump trucks, 1 water truck, 2 D6 dozers, 1 D8 dozer, 1 excavator, 1 motor grader - 5 personnel.

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CDM

- Received 1 HDPE clean-out plug from Frischkorn Inc for the Phase II stormwater ditch.

4.0 PROJECTED WORK FOR NEXT WEEK

Comanco:

- Continue work in the Phase II Slope Closure stormwater ditch - anchor trench compaction, seepage collection drain installation and liner installation.
- Continue liner repairs in the NGS-S (for Moretrench).

Compass:

- Continue mowing the Phase I gypsum slopes.
- Start silt fencing and dewatering trenches at the Gulfstream II borrow area, pending authorization by Gulfstream.

CDM

- Will continue repairs to the soil berm south of the OGS south stormwater ditch, and clean up eroded soil sediment which has been deposited south of the fence line along Buckeye Road.

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 received an ACAD version on 10/4/06.
- 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 provided a hard copy to Ardaman at the meeting.
- 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 performed on 8/28/06 apparently only got 1 of the ditches. CDM was requested to re-survey, including water levels in MW-13 and 1 piezometer.
- Standing water was observed during the 9/7/06 site tour on the road between the OGS-S and -OGS-N ponds; CDM was requested to survey the road grades. Edgemon performed the survey on 10/4/06; CDM is awaiting results.
- CDM/Comanco were requested to provide an as-built survey by Edgemon of the Phase I stormwater ditch inboard anchor trench liner extensions at the 9/28/06 construction meeting. A survey was in progress on the day of the meeting.
- Edgemon continued as-built surveys for the Phase II Slope Closure stormwater ditch drain installation and liner subgrade as the work progressed by Comanco. Approval by Ardaman is based on field notes signed by Edgemon's surveyor and provided by Comanco/CDM; notes for the liner subgrade will eventually need to be transferred to a composite as-built drawing.

6.0 PROJECT SCHEDULE

- No workdays were lost to weather this reporting period.
- The project schedule was updated by CDM and distributed by email on 10/4/06. The updated schedule was distributed and discussed at the meeting.
- Regarding resumption of soil cover, Compass indicated tentative plans to start hauling soil cover to the Phase I stormwater ditches on 10/16/06.
- Weekend work schedule: Comanco on Saturday.

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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 a QC report to Ardaman for liner work in the SCP-S Process Water Sump (pdf version).

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 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.
- Drawings were distributed by Ardaman at the meeting to add 4-inch bleeder orifices at structure #7 in the OGS Slope Pond. CDM was requested to provide a proposal for the extra work, and to include it in the change order request for additional panel drains.

Quality Control Activities

- Ardaman had 3 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 - 135 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) - 13 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.

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- Phase II stormwater ditch liner anchor trench density tests - 12 passing, 13 failing, none pending.

Miscellaneous

- Rainfall: CDM reported 0.73 inches from 9/26/06 through 10/3/06.
- Regarding resolution of the extrusion welding problems, Comanco did receive new welding rod from GSE. Ardaman reiterated that determination of cause and actions for prevention of future occurrence need to be finalized before full-scale production extrusion welding can resume - Comanco is awaiting a report from GSE.

Acceptances

- On 9/28/06, subgrade for liner installation, Phase II Slope Cover stormwater ditch, from station 152+17 to 150+00.

9.0 COMMENTS by PROGRAM MANAGER

- A proposal for 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. CDM is awaiting feedback from FDEP.
- Soil cover quantities for Tasks C2 and C3 were discussed at the Program Manager's meeting on 9/7/06; CDM is presently reviewing input from Compass which was received 9/28/06.
- CDM has received proposals from Compass and Comanco 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. CDM will submit a change order request for this work.
- CDM was requested at the 9/21/06 construction meeting to submit a summary report regarding the incident of metal shovels being used by Comanco to clean liner in the Phase II Slope Cover lined stormwater ditch.
- A tabulation for grassing work to date was received by CDM from Compass, and forwarded to FDEP on 10/2/06. The tabulation was distributed at the meeting - a conference call will be scheduled to discuss it.
- Circumstances were discussed regarding the installation by CDM/Comanco of a second 65-foot long supplemental drain in the Phase II stormwater ditch on 9/23/06. CDM indicated their intent to submit a change order for this work to FDEP for review.

10.0 COMMENTS by FDEP

- Compass was requested to provide a copy of the Gulfstream II application.

11.0 HRK

- HRK indicated that work has begun to clean up the phosphoric acid plant, in preparation for demolition.