

ARDAMAN & ASSOCIATES, INC. PROGRESS MEETING REPORT FOR PINEY POINT GYPSUM STACK SYSTEM CLOSURE		File No.: 05-110A	Page 1 of 4
		Meeting Date: <u>8/24/06</u>	
		Report No: <u>75</u>	Report Date: <u>8/30/06</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: Phil Coram, John Coates, Sam Zamani CDM: Mick Edgar, Dean Carter, Mike Cruz, Steve Solters, George Curry, Jean Wilson Moretrench: Ralph Remmert Comanco: Tom Topp Compass: Tim Morrow, Jeremy Giles Receiver: Louis Timchak HRK: Art Roth, Ivan Nance			

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
 Receiver: Louis Timchak
 HRK: Art Roth, Ivan Nance

Next Meeting is Scheduled for Thursday, August 31, 2006
Construction/Engineering Meeting at 9:00 am

1.0 REVIEW MINUTES OF PREVIOUS MEETING

Regarding the first bullet item under Item 9.0 Comments by Program Manager, CDM has not yet submitted the subject change order requests to FDEP for review.

2.0 SAFETY

CDM's longstick damaged a FPL power pole on 8/21/06; no injuries were reported. CDM will forward an accident report to FDEP.

3.0 SUMMARY OF WORK PERFORMED

Moretrench:

- Continued demobilizing equipment.

Comanco:

- Completed liner deployment in the SCP-S Pond Water Sump on 8/18/06; liner deployed totaled 219,153 sf of 80-mil textured liner and 293,422 sf of 80-mil smooth liner; also continued detail work and anchor trench compaction.
- Continued detail work and anchor trench compaction in the Phase II Slope Closure stormwater ditch between stations 171+39 to 152+24.
- Continued modifications to the NGS-N spray evaporation system.
- Equipment: 1 excavator, 2 3-inch pumps, 2 loaders, 1 track crawler dump, 1 4x4 Honda 350 w/trailer, 2 pick-up trucks, 1 crew bus, 1 QC trailer, 6 generators - 23 personnel.

Compass:

- Well Water usage - 20,000 gallons used since last report for dust control.
- Completed grading the SCP-S Process Water Sump dikes and pond bottom.
- Equipment: 2 dump trucks, 1 water truck, 2 D6 dozers, 1 excavator, 1 motor grader - 7 personnel.

ARDAMAN & ASSOCIATES, INC. PROGRESS MEETING REPORT FOR PINEY POINT GYPSUM STACK SYSTEM CLOSURE	File No.: 05-110A	Page 2 of 4
	Meeting Date: <u>8/24/06</u>	
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CDM

- Received 200 weep tubes from RH Moore for the SCP-S fabriform overflow.
- Received the following from TruFab Welding and Grating: one 36-inch SS grate for the SCP-S PWS inlet structure no. 1; two 36-inch and one 48-inch grating for Phase II Slope Closure inlet structures 1, 3 and 2 respectively.

4.0 PROJECTED WORK FOR NEXT WEEK

Moretrench:

- Continue demobilizing equipment.

Comanco:

- Continue liner detail work and anchor trench compaction in the SCP-S Pond Water Sump.
- Continue liner detail work 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.
- Continue modifications to the NGS-N spray evaporation system.
- Start repair work on the NGS-S liner.

CDM

- Resume dewatering and stockpiling work in the SCP-S Cap.
- Perform airboat dredging test in the SCP-N.

Compass:

- Mow OGS/Cap areas (second mowing).

5.0 SURVEY NOTES

- Compass/Edgemon completed as-built survey updates for the SCP-S Process Water Sump liner subgrade on 8/18/06. 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.
- In response to CDM/Compass' intent to amend and grass the Phase II Slope Closure north slope and east slope (north of the east ramp), it was recommended by Ardaman at the 8/10/06 construction meeting that the slope below the 1:1 cut should be surveyed to determine if excess material, which would need to be spread on the slope above the 1:1 cut, exists prior to amending and grassing. Edgemon completed the survey for Compass on 8/14/06 - Compass is waiting on cross-sections.
- 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 - the anchor trench was not excavated at the time of the subgrade survey.
- CDM was requested to survey water elevations in the seepage ditch and adjacent Buckeye Road ditch near the southwest corner of the SCP-S.

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 8/22/06. The schedule was distributed and discussed at the meeting. It was noted that liner deployment was completed in the SCP-S PWS on 8/18/06, and that installation of the Phase II Slope Closure seepage collection drain has been re-scheduled to resume on 8/28/06.
- Regarding permitting status of the Gulfstream II borrow pit, Compass indicated at the 8/10/06 construction meeting that the presently scheduled date of 9/29/06 is uncertain.
- CDM was requested to incorporate activities for the NCP slurry wall and dike modifications, and dredging work in the SCP-N, when scheduling information is known.
- Weekend work schedule: no work is planned this weekend.

ARDAMAN & ASSOCIATES, INC. PROGRESS MEETING REPORT FOR PINEY POINT GYPSUM STACK SYSTEM CLOSURE	File No.: 05-110A	Page 3 of 4
	Meeting Date: <u>8/24/06</u>	
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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 will re-submit GSE warranty information for the Phase I and II Slope Closure stormwater ditches when the work is complete.
- 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

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 - 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.
- SCP-S Process Water Sump liner seam destructive testing (DT's) - 54 marked, 45 passing, none pending. A summary of DT testing dated 8/24/06, revision 5, was distributed at the meeting.
- Phase II Slope Closure 80-mil stormwater ditch liner seam destructive testing (DT's) - 11 marked, 11 passing, none pending. A summary of DT testing dated 8/24/06, revision 1, was distributed at the meeting.

ARDAMAN & ASSOCIATES, INC. PROGRESS MEETING REPORT FOR PINEY POINT GYPSUM STACK SYSTEM CLOSURE	File No.: 05-110A	Page 4 of 4
	Meeting Date: <u>8/24/06</u>	
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- Phase II stormwater ditch liner anchor trench density tests - 3 passing, 1 failing, none pending.
- SCP-S Process Water Sump liner anchor trench density tests - 9 passing, 1 failing, none pending.

Miscellaneous

- Rainfall: CDM reported 3.62 inches from 8/16/06 through 8/22/06.
- Regarding repairs to NGS-S liner damage, CDM is presently pumping water out of the NGS-S to the OGS-S - target water level is elevation 41' NGVD or lower. Comanco should coordinate with CDM if a lower elevation is required to make the repairs.
- Compass requested further clarification in an email to CDM on 8/23/06 regarding sod and grassing requirements for supplemental fertilization, etc.
- It was noted during the site tour that erosion is occurring on the OGS south earthen dike - it was suggested that CDM consider adding temporary berms with occasional drainage pipes along the south edge of the road to reduce future erosion-related maintenance requirements.

Acceptances

- On 8/1/06, subgrade for liner installation, the remainder of the SCP-S Process Water Sump dike and pond bottom between stations 111+00 and 109+00.
- On 8/17/06, the SCP-S Phase I Partition Dike.
- On 8/17/06, the SCP-S Phase I Seepage Relief Drain.
- On 8/17/06, the Phase I OGS-S Seepage Collection Drain.
- On 8/20/06, the SCP-S Phase I Relief Ditch.
- A walk-through inspection of the SCP-S PWS liner work was tentatively scheduled for 8/29/06 - CDM will call Ardaman to confirm.

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.
- 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.
- 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

- CDM and its subcontractors were commended for progress in the SCP-S Process Water Sump.
- The Department looks forward to resumption of the Phase II Slope Closure seepage collection drain installation.

11.0 COMMENTS BY RECEIVER

- The Receiver acknowledged receipt of Lane's warranty for the NGS-N spray evaporation system. CDM will take possession of the 10 back-up cap plates acquired from Lane.

12.0 COMMENTS BY HRK

- Art Roth was introduced as HRK's representative at Piney Point.
- HRK advised that they acquired the Piney Point property out of bankruptcy on 8/3/06, and looked forward to continued cooperation with CDM on site.