

ARDAMAN & ASSOCIATES, INC. PROGRESS MEETING REPORT FOR PINEY POINT GYPSUM STACK SYSTEM CLOSURE		File No.: 05-110A Meeting Date: <u>6/22/06</u> Report No: <u>66</u> Report Date: <u>6/28/06</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, Steve Solters, George Curry, Jean Wilson Moretrench: Mike Panny, Paul Davis, Ralph Remmert Comanco: Paul Moore Compass: Jeremy Giles, Tim Morrow		

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 29, 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 - backfilling the seepage collection drain with sandy soil cover, finish grading the south and west stormwater ditch, and installing geocomposite on the gypsum side of the stormwater ditch. Also installed OGS ditch outlet structure #2.
- Continued work on Phase II Slope Closure - rough graded the north slope below the 1:1 break; stripped and stockpiled topsoil/vegetation in the north stormwater pond; continued constructing and grading the east and south perimeter dikes with soil fill provided by CDM.
- Well Water usage this report - 10,000 gallons since last report..
- Equipment: 5 D-6 dozers, 1 D-8 dozer, 1 compactor, 2 excavators, 1 water wagon, 1 loader, one 6-inch hydraulic pump - 20 personnel. Demobilized 1 compactor and 1 water wagon since last report.

Comanco:

- Continued liner work on the Phase I Slope Closure stormwater ditch - installed 80-mil liner from station 112+00 to 119+00; 108,372 sf of liner was installed since last report; 453,894 sf total as of 6-20-06.
- Assisted with installation of the SCP-S Process Water Sump relief drain (collector pipe and geotextile seaming as subcontractor to Compass).
- Ordered 80-mil liner for the SCP-S Process Water Sump, and 60-mil liner for the Phase II Slope Closure stormwater ditch/pond - due in about 2 weeks.

ARDAMAN & ASSOCIATES, INC. PROGRESS MEETING REPORT FOR PINEY POINT GYPSUM STACK SYSTEM CLOSURE	File No.: 05-110A	Page 2 of 4
	Meeting Date: <u>6/22/06</u>	
	Report No: <u>66</u>	Report Date: <u>6/28/06</u>
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- 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.
- Continued construction of the SCP-S Process Water Sump north and east dikes; 1,364 cy (by truck load estimate) was hauled since last reported, 4,400 cy total as of 6/21/06 [note: Compass reported total of 3,960 cy does not include 440 cy fill hauled between 6/15/06 and 6/21/06].
- Continued relocating sludge/sediment and grading the SCP-S Process Water Sump pond bottom, and hauling and placing fill to cover the sludge; 11,484 cy (by truck load estimate) was hauled since last reported, 19,096 cy total as of 6/21/06 [note: Compass reported total of 12,804 cy does not include 6,292 cy fill hauled between 6/15/06 and 6/21/06]. Also installed the relief drain at the toe of east dike.
- Well Water usage this report - 85,000 gallons.
- Equipment: 2 dump trucks, 1 water wagon, 2 D-6 dozers, 2 excavators, 1 compactor, 1 Case dozer - 7 operators. Mobilized 1 Case dozer since last report.

CDM

- Continued receiving soil fill material from L.A. Enterprises for construction of the Phase II Slope Closure perimeter dike - 8823 cy total as of 6/21/06, and gravel for drain construction - 3,467.56 tons for the Phase II Slope Closure, and 1,000 tons for the SCP-S Closure. All quantities are cumulative totals reported by CDM as of 6/21/06.
- Continued receiving gravel from Conrad Yelvington.

4.0 PROJECTED WORK FOR NEXT WEEK

Moretrench:

- Continue work on the Phase I Slope Closure - backfill sandy soil cover atop the seepage collection drain, grade and compact the south and west stormwater ditch bottom and slopes for liner subgrade, and install geocomposite.
- Continue work on Phase II Slope Closure - constructing and grading the perimeter dike, and start installing the seepage collection drain in the east ditch.

Comanco:

- Continue liner work in the Phase I Slope Closure storm water ditches.
- Continue to assist with installation of the the SCP-S Process Water Sump relief drain(collector pipe and geotextile seaming as subcontractor to Compass).
- Resume modifications to the NGS-N spray evaporation system when materials are in hand.

Compass:

- Continue irrigating OGS grassed slopes and watering for dust control.
- Continue grading the SCP-S Process Water Sump, and placing fill (and woven geotextile reinforcement, if needed) to cover the sludge.

5.0 SURVEY NOTES

- 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 6/1/06 construction meeting; ACAD files were received by Ardaman on 6/21/06.
- Moretrench/Edgemon performed as-built surveys on the OGS south stormwater ditch from station 113+00 to 121+50 since last report.

ARDAMAN & ASSOCIATES, INC. PROGRESS MEETING REPORT FOR PINEY POINT GYPSUM STACK SYSTEM CLOSURE	File No.: 05-110A	Page 3 of 4
	Meeting Date: <u>6/22/06</u>	
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6.0 PROJECT SCHEDULE

- 1 workday was lost to weather by Comanco and Compass this reporting period; 2 workdays were lost by Moretrench.
- A "mini-schedule" has been prepared by CDM for slope maturation and establishment activities, and will be incorporated in the next schedule update. CDM will update the project schedule and distribute by email on 6/27/06.
- 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).

- Split samples of soil fill from L.A. Enterprises were taken by CDM and FDEP on 6/15/06 for testing.
- A sketch was submitted to Rob Werner via email on 6/9/06 showing a modified design developed by CDM 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. Ardaman indicated at the 6/13/06 construction meeting that an official submittal is required for review.
- CDM/Compass provided Ardaman on 6/19/06 roll samples and sewn seams of woven geotextile proposed for use as reinforcement on the SCP-S Pond Water Sump pond bottom. The sewn seams were approved at the meeting; testing is still in progress on the roll samples.
- CDM submitted a request by email on 6/19/06 to Ardaman to substitute SDR 17 for SDR 32.5 for 6-inch bollards, which are required for the Phase II Slope and SCP-S Closures. The substitution was approved by email on 6/19/06.
- CDM submitted shop drawing modifications by email on 6/20/06 to Ardaman for the SCP-S relief drain 24-inch manhole. The modifications were approved by email on 6/22/06.
- Comanco copied a request from AgruAmerica by email on 6/21/06 to CDM and Ardaman, relative to providing 60-mil and 80-mil HDPE liner for the project.

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.

ARDAMAN & ASSOCIATES, INC. PROGRESS MEETING REPORT FOR PINEY POINT GYPSUM STACK SYSTEM CLOSURE	File No.: 05-110A	Page 4 of 4
	Meeting Date: <u>6/22/06</u>	
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Quality Control Activities

- Ardaman had 5 technicians on site this reporting period.
- Phase 1 slope closure in-place gypsum/soil density tests - 924 tests passing, none failing, 4 pending.
- Phase 2 slope closure in-place gypsum/soil density tests - 46 tests passing, none failing, none pending.
- SCP south compartment in-place gypsum/soil density tests - 55 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) - 46 marked, 31 passing, none failing, none pending. A summary of DT testing (revision 4, dated 6/21/06) was distributed at the meeting.
- Phase I stormwater ditch liner anchor trench density tests - 44 tests passing, 1 failing, 1 pending.

Miscellaneous

- Rainfall: CDM reported 2.13 inches from 6/12/06 through 6/20/06.
- Regarding permit status for the Gulfstream II borrow pit, CDM received the draft permit application from Compass, and forwarded it by email on 6/20/06 to FDEP and Ardaman for review.
- Regarding consideration of the Port Manatee dredge disposal borrow area, CDM submitted additional information provided by Compass/Geosyntec to FDEP and Ardaman by email on 6/14/06. Ardaman's evaluation of the additional information was forwarded to FDEP by email on 6/19/06, and a summary was forwarded by FDEP to CDM by email on 6/20/06.

Acceptances

- On 6/15/06 for liner installation, OGS Phase I south stormwater ditch subgrade, from station 113+00 to 115+00.
- On 6/16/06 for liner installation, OGS Phase I south stormwater ditch subgrade, from station 115+00 to 118+00.
- On 6/21/06 for liner installation, OGS Phase I south stormwater ditch subgrade, from station 118+00 to 121+50.

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. Ardaman's review was emailed to CDM on 6/22/06.
- 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. The "Dispute Resolution Agreement - Process Water Sump Cost Breakout" was signed by CDM on 6/12/06, and executed by FDEP on 6/13/06.
- Change order requests related to Phase I closure gypsum quantity adjustments and Phase I south seepage collection drain lowering are in progress.
- CDM requested electronic copy of Ardaman's DTM (3D model) for sludge in the SCP-N.

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.