

ARDAMAN & ASSOCIATES, INC. PROGRESS MEETING REPORT FOR PINEY POINT GYPSUM STACK SYSTEM CLOSURE		File No.: 05-110A Meeting Date: <u>6/13/06</u> Report No: <u>65</u>	Page 1 of 4 Report Date: <u>6/21/06</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: John Coates (telecom) CDM: Dean Carter, Steve Solters, George Curry, Jean Wilson Moretrench: Mike Panny, Paul Davis, Ralph Remmert Comanco: Paul Moore Compass: Jeremy Giles (telecom)			

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 22, 2006
Construction/Engineering Meeting at 9:00 am

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 stormwater ditch, and installing geocomposite on the gypsum side of the south stormwater ditch. Also installed structure #1 and the 24-inch outlet pipe for structure #2.
- Continued work on Phase II Slope Closure - constructed a berm at the southeast corner; also started constructing and grading the east perimeter dike adjacent to the seepage collection drain.
- Well Water usage this report - a report was not available at the meeting.
- Equipment: 5 D-6 dozers, 1 D-8 dozer, 2 compactors, 2 excavators, 2 water wagons, 1 loader, one 6-inch hydraulic pump - 19 personnel. Mobilized 1 excavator since last report.

Comanco:

- Continued liner work on the Phase I Slope Closure stormwater ditch - installed 80-mil liner from station 107+00 to 112+00; 71,082 sf of liner was installed since last report; 345,522 sf total as of 6-9-06.
- Ordered 80-mil liner for the SCP-S Process Water Sump, and 60-mil liner for the Phase II stormwater pond.
- 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.

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- Continued construction of the SCP-S Process Water Sump north dike; yardage report not available at the meeting.
- Continued grading the SCP-S Process Water Sump pond bottom, and hauling and placing fill to cover the sludge; a yardage report was not available at the meeting. Also continued rough grading for the relief drain installation.
- Started mowing grassed areas on the OGS-S soil slope cover.
- Well Water usage this report - a report was not available at the meeting.
- Equipment: 2 dump trucks, 1 water wagon, 2 dozers, 2 excavators, 1 compactor, 1 mini-excavator - 8 operators.

CDM

- Received 1802 cy of soil fill material from L.A. Enterprises for the construction of the Phase II Slope Closure perimeter berm adjacent to the stormwater collection ditch. Also received 776.96 tons of gravel from Conrad Yelvington for the Phase II seepage collection drain, and one 18-inch SS gate valve from Lane for the SCP-S Process Water Sump.

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 stormwater ditch bottom and slopes for liner subgrade, and install geocomposite. Also install structure #2 in the west stormwater ditch.
- Continue work on Phase II Slope Closure - constructing and grading the perimeter dike adjacent to the seepage collection drain.

Comanco:

- Continue liner work in the Phase I Slope Closure storm water ditches.
- Assist with installation of the relief drain (collector pipe and geotextile seaming as subcontractor to Compass) in the SCP-S Process Water Sump.
- 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, and continue mowing grassed areas.
- Continue grading the SCP-S Process Water Sump, and placing fill to cover the sludge; also continue construction of the PWS north dike.
- Start installation of the relief drain at the SCP-S PWS inside toe of the east dike.

CDM

- Continue receiving soil fill material for construction of the Phase II Slope Closure perimeter berm.

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 have not yet been received as requested.

6.0 PROJECT SCHEDULE

- 1 workday was lost to weather this reporting period.
- CDM updated the project schedule on 6/9/06 and distributed by email. A "mini-schedule" is presently being prepared for slope maturation and establishment activities, including remedial work and irrigation on existing grassed areas, for internal review by CDM. See 10.0 Comments by FDEP for more.
- Weekend work schedule: Moretrench and Compass will work on Saturday; Comanco will advise.

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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).

- CDM submitted drawings by email on 5/31/06 to Ardaman for review and approval, for the following HDPE manhole structures: SCP-S PWS Inlet Structure No. 1, SCP-S PWS Pump Sump, Phase II Inlet Structure No. 3 - the drawings were approved by Ardaman at the meeting.
- CDM submitted drawings by email on 5/31/06 to Ardaman for review and approval, for HDPE valve boxes in the Phase II slope closure and the SCP-S PWS closure - the drawings were approved by Ardaman at the meeting.
- Samples were provided on 6/1/06 by CDM to Ardaman for non-woven geotextile and geocomposite - testing by Ardaman indicated that these materials are in compliance with specifications, and the rolls were approved at the meeting for construction of seepage collection drains.
- A sample of soil fill from L.A. Enterprises, Parrish, provided on 6/5/06 by CDM to Ardaman, was approved at the 6/8/06 meeting for use in construction of the NGS-S stormwater ditch berm. A Standard Proctor compaction test was performed by Ardaman and yielded a maximum dry density of 110.0 pcf at an optimum moisture content of 11.8%.
- A shop drawing by R.H. Moore Associates for the SCP-S PWS concrete overflow may was submitted by CDM by email on 6/12/06 to Ardaman for review and approval - the drawing was approved at the meeting.
- 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 that an official submittal is required for review.
- It was requested that CDM/Compass provide 3 roll samples and a sewn seam of woven geotextile proposed for use as reinforcement on the SCP-S Pond Water Sump pond bottom.

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 5 technicians on site this reporting period.
- Phase 1 slope closure in-place gypsum/soil density tests - no change - 906 tests passing, none failing, none pending.

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- Phase 2 slope closure in-place gypsum/soil density tests - 41 tests passing, none failing, none pending.
- SCP south compartment in-place gypsum/soil density tests - 53 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) - 34 marked, 25 passing, none failing, none pending. A summary of DT testing (revision 3, dated 3/29/06) was last distributed on 3/30/06.
- Phase I stormwater ditch liner anchor trench density tests - 44 tests passing, 1 failing, none pending.

Miscellaneous

- Rainfall: CDM reported 1.98 inches from 6/7/06 through 6/11/06.
- 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 has visited the site to assess the condition of the sod - a report has been provided by Compass to CDM, and was forwarded by email on 6/9/06 to FDEP and Ardaman.
- Regarding permit status for the Gulfstream II borrow pit, Compass indicated at the 6/8/06 construction meeting that a draft permit application has been reviewed and approved by Gulfstream, and will be submitted to CDM. The report has not yet been received by CDM.
- Regarding consideration of the Port Manatee dredge disposal borrow area, Compass distributed laboratory test results by Geosyntec of samples (taken on 5/10/06) and Ardaman requested a generalized soil profile of the proposed borrow area at the 6/1/06 construction meeting. CDM has received electronic copies of Geosyntec's report and will forward to FDEP and Ardaman. Ardaman will email results of their testing next week.

Acceptances

- On 6/9/06 for liner installation, OGS Phase I south stormwater ditch subgrade, from station 108+00 to 113+00.

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 is in progress.
- 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. Agreement has been reached on quantities and language regarding resolution of potential disputes - the Agreement was signed by CDM on 6/12/06 and Fed Ex'd to FDEP for signature.
- Change order requests related to Phase I closure gypsum quantity adjustments and Phase I south seepage collection drain lowering are in progress.

10.0 COMMENTS by FDEP

- Regarding project schedule, upon completion of CDM's planned review of slope maturations, it was requested that a table be prepared of planned watershed reduction areas and milestone dates, and that this be considered in water balance updates by Ardaman.
- It was noted that significant rainfalls have occurred in the first two weeks of June, and that resulting contact runoff has been effectively contained on site. CDM had been requested to review site conditions to determine if any maintenance activities were needed to assure continued containment of runoff from significant rainfall events.

11.0 COMMENTS by the RECEIVER

The Receiver was not represented at the meeting.