

ARDAMAN & ASSOCIATES, INC. PROGRESS MEETING REPORT FOR PINEY POINT GYPSUM STACK SYSTEM CLOSURE		File No.: 05-110A	Page 1 of 4
		Meeting Date: <u>4/13/06</u>	
		Report No: <u>56</u>	Report Date: <u>4/19/06</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, Jean Wilson Moretrench: Steve Voytko, Mike Panny, Paul Davis, Ralph Remmert Comanco: Paul Moore Compass: Vernon 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, Vernon Giles, Tom McSweeny

Next Meeting is Scheduled for Thursday, April 20, 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

A Moretrench water wagon overturned on 4/7/06, resulting in injuries to the operator. A Moretrench incident report was emailed by CDM on 4/11/06 to FDEP.

3.0 SUMMARY OF WORK PERFORMED

Moretrench:

- Continued work on Phase II slope closure - grading and compacting south and east slopes.
- 003 Outfall water usage - not reported - CDM will track 003 Outfall water usage..
- Equipment: 5 D-6 dozers, 2 compactors, 2 excavators, 2 water wagons, 1 dump truck, 3 6-inch hydraulic pumps, 2 4-inch hydraulic pumps - 6 personnel.

Comanco:

- Repaired liner tear on OGS-N pond bottom.
- Staked out areas in Phase 1 stormwater ditch where inboard anchor trench needs to be extended.

Compass:

- Continued installation of irrigation system on the OGS-S slopes.
- Completed work on the OGS-S filtration drain.
- Continued watering for dust control.
- Well Water usage this report - approximately 165,000 gallons.
- Equipment: 2 dump trucks, 1 water wagon, 1 loader, 2 dozers, 1 excavator - 4 operators.

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4.0 PROJECTED WORK FOR NEXT WEEK

Moretrench:

- Start installation of the seepage collection drain in the OGS south ditch.
- Continue work on the Phase II slope closure - south and east slopes.

Comanco:

- Repair the small liner tear discovered during Ardaman's follow-up inspection in the OGS-N pond bottom - see 8.0 Technical Items - Miscellaneous for more.

Compass:

- Continue irrigation and installing irrigation system on OGS grassed slopes.
- Continue watering for dust control.

5.0 SURVEY NOTES

- CDM/Moretrench and Ardaman agreed that excess gypsum Stockpile #10 contained approximately 2,000 cy. Ardaman will provide FDEP a summary of gypsum fill quantities where measurement for payment is applicable.
- Waiting on ACAD version of Pickett's as-built surveys for Moretrench on 2/21/06, 2/22/06 and 3/10/06 of the OGS west stormwater ditch from the northwest ramp to the OGS-S outlet pipe, including the ditch portion surveyed since last report between station 130+00 and the OGS-S outlet pipe.
- CDM provided a hard copy of survey data for the ditch, water elevation and perimeter road profiles along the toe of the NGS-S south slope, at the meeting; CDM will email an electronic version.

6.0 PROJECT SCHEDULE

- No workdays were lost to weather this reporting period.
- The project schedule will be updated by CDM prior to next Program Manager's meeting on 4/20/06.
- CDM will also provide a "2-week look-ahead" schedule at future Program Manager's meetings and identify activities requiring group discussion, so that all parties have adequate time for comments, questions, planning and coordination.
- Weekend work schedule: Moretrench 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).

- CDM/Compass were requested to submit the concrete mix design for the OGS-S inlet structure modification.
- CDM/Compass provided 2 five-gallon samples to Ardaman on 2/28/06 from the proposed Larkin Nursery borrow area for geotechnical testing - testing of these two samples by Ardaman indicate organic contents <1%, but fines <3% (i.e., less than the minimum fines content of 5% needed to classify as a SP-SM type material). This material is not suitable for soil cover on liner, but may be suitable for general fill beneath the liner (pending characterization).
- Ardaman requested CDM to provide shop drawings for the SCP south compartment HDPE manholes.
- Ardaman received samples, shipping tickets and factory certifications for 11 rolls of geocomposite received by Moretrench - the rolls are conditionally released for use on the project.
- Ardaman indicated by email to CDM on 4/11/06 that sand tailings sieve analysis, provided/proposed by Moretrench for use in the OGS south ditch/drain construction, was acceptable. Moretrench was requested to provide a sample for visual verification.

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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 3 technicians on site this reporting period.
- Phase 1 slope closure in-place gypsum/soil density tests - no change - 857 tests passing, 3 failing (OGS south ditch north slope), none pending.
- Phase 2 slope closure in-place gypsum/soil density tests - 1 passing, 1 failing (NGS-S east slope), none pending.
- OGS-S slope cover in-place soil density tests - no change - 59 passing, none failing, none pending.
- Phase I stormwater ditch liner seam destructive testing (DT's) - no change - 19 marked, 19 passing, none failing, none pending. A summary of DT testing (revision 3, dated 3/29/06) was distributed on 3/30/06.
- Phase I stormwater ditch liner anchor trench density tests - no change - 24 tests passing, none failing, none pending.
- Results of pH and conductivity testing, of gypsum samples taken at the NGS-N Relief Ditch on 3/6/06, were distributed at the meeting - essentially no difference was observed between the north and south slopes.

Miscellaneous

- Rainfall: CDM reported 0.17 inches from 4/4/06 through 4/11/06.
- Pdf files were emailed by Ardaman to CDM on 3/24/06 for cofferdams that CDM plans to construct to enable dewatering of the portion of the return ditch adjacent to the SCP-S closure construction area. Ardaman provided construction recommendations and specifications by email on 4/11/06.
- Additional cross-sections were emailed by Ardaman to CDM on 4/11/06 to accommodate additional excess gypsum, if necessary, on the NGS-S east slope.
- Another small tear in the OGS-N pond bottom liner was discovered during a follow-up inspection is a locally depressed area of the liner located up-gradient (east) of the previously repaired large tear. Inspection of the NGS-S liner is in progress and re-inspection of the OGS-S is planned for next week. Comanco will schedule to mobilize a repair crew.

Acceptances

- An updated punch list will be provided by Ardaman to CDM for items still to be repaired in the Phase I stormwater ditch lined to date.

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9.0 COMMENTS by PROGRAM MANAGER

- Status regarding Phase II Slope Closure is as follows: no change - Comanco agreed at the 2/2/06 construction meeting to Ardaman's quantities per 1/24/06 email; Moretrench agreed at the meeting to accept Ardaman's quantities per 3/2/06 email; CDM received Compass' input for soil cover; still waiting on grassing quantities.
- 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; CDM has received proposed pay quantities from Moretrench and forwarded to Ardaman and FDEP for review; input from Compass is no longer required in that the SCP-S Cap has been deleted from the scope of work at this time..
- CDM has signs in hand to mark the slurry wall location - CDM/Compass will install.
- A survey was performed on 4/7/06 to determine sludge quantity in the NCP - en electronic copy was emailed to Ardaman for evaluation.
- A contract has not yet been executed between CDM and Moretrench for the SCP-S Process Water Sump.
- Work has been completed to utilize 003 water for compaction work on the NGS-S south slope - water usage will be documented by totalizer and truck count.

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.

- Ardaman is preparing an index of final as-built drawings - draft due next Program Manager's meeting.