

ARDAMAN & ASSOCIATES, INC. PROGRESS MEETING REPORT FOR PINEY POINT GYPSUM STACK SYSTEM CLOSURE		File No.: 05-110A Meeting Date: <u>4/6/06</u> Report No: <u>55</u>	Page 1 of 4 Report Date: <u>4/12/06</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: Mike Cruz, Steve Solters, Jean Wilson Moretrench: 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 13, 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 excavation of OGS south ditch; re-routed eastern portion of the south seepage ditch and installed new staff gauges; excavated and graded for 625' of seepage collection drain ditch.
- Continued construction of OGS south perimeter dike with soil fill hauled back from the soil stockpile - 3,250 cy of soil was hauled by truck.
- Continued work on Phase II slope closure - grading and compacting south slope, and cutting east crest road to grade.
- Received 11 rolls of geocomposite.
- Well Water usage this report - approximately 100,000 gallons.
- 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. Added 2 D-6 dozers and 1 excavator since last report.

Comanco: No work since last report.

Compass:

- Continued installation of irrigation system on the OGS-S slopes.
- Continued work on the OGS-S filtration drain.
- Continued watering for dust control.
- Well Water usage this report - approximately 150,000 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:

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

Comanco:

- Repair liner tear on the OGS-N pond bottom - see 8.0 Technical Items - Miscellaneous for more.

Compass:

- Continue work on the OGS-S filtration drain.
- Continue irrigation and installing irrigation system on OGS grassed slopes.
- Continue watering for dust control.

5.0 SURVEY NOTES

- No change - CDM/Moretrench were requested to provide a survey delineating excess soil and/or gypsum separately, at the OGS southwest corner toe road and ditch - Moretrench indicated that the excess soil and gypsum would first be placed in separate stockpiles and then surveyed by Pickett. The survey results are needed to determine the volume of the gypsum stockpile (i.e., stockpile No. 10).
- 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. Ardaman requested an as-built survey of the inboard anchor trench liner elevation from station 130+00 to the OGS-S outlet pipe.
- CDM/Pickett were requested to provide survey data for the ditch, water elevation and perimeter road profiles along the toe of the NGS-S south slope.

6.0 PROJECT SCHEDULE

- No workdays were lost to weather this reporting period.
- CDM/Comanco has elected to postpone extension of the liner in the OGS north stormwater ditch until such time that the planned soil cover placement by Compass is underway to provide equipment access.
- 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).
- Ardaman requested CDM to provide shop drawings for the SCP south compartment HDPE manholes.
- Ardaman requested shipping tickets and factory certifications for 11 rolls of geocomposite received by Moretrench.

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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 2 technicians on site this reporting period.
- In-place gypsum density tests - 857 tests passing, 5 failing (OGS south ditch north slope and NGS-S south slope), none pending.
- In-place soil fill density tests (OGS-S slope cover) - 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.

Miscellaneous

- Rainfall: CDM reported 0.00 inches from 3/29/06 through 4/3/06.
- 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 will also provide construction specifications.
- A tear in the OGS-N pond bottom liner was discovered during an inspection on 4/5/06. An approximately 18-inch long section of the bottom sheet (Panel No. 462) tore away from the outer weld of the double-wedge fusion seam no. 462-470. An approximately 4-foot deep solution feature in the gypsum underlying the tear was backfilled with sluiced fine sand after placement of a thick woven geotextile, and the affected area of the liner was patched by Comanco under Ardaman's direction on 4/7/06. Investigation into the cause of the tear is in progress.

Acceptances

- Liner installation at the NGS-N west and OGS north and west stormwater ditches were last inspected by Ardaman on 3/23/06, from station 130+00 to approximate station 128+80 (OGS-S Reservoir outlet pipe). 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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- OGS west stormwater ditch subgrade for liner installation - on 4/27/06, from station 130+00 to the OGS-S Reservoir outlet pipe.

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: no change - 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; CDM is awaiting input from Compass.
- Installation of field markers by CDM/Pickett is in progress to mark the slurry wall location.
- A survey is scheduled on 4/7/06 to determine sludge quantity in the NCP.
- A contract has not yet been executed between CDM and Moretrench for the SCP south compartment work.
- Preparations are in progress 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.