

ARDAMAN & ASSOCIATES, INC. PROGRESS MEETING REPORT FOR PINEY POINT GYPSUM STACK SYSTEM CLOSURE		File No.: 05-110A	Page 1 of 4
		Meeting Date: <u>5/25/06</u>	
		Report No: <u>62</u>	Report Date: <u>6/1/06</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: John Cameron, Tony Deatherage Receiver: _____ FDEP: _____ CDM: Dean Carter, Mike Cruz, Steve Solters, George Curry, Jean Wilson Moretrench: Steve Voytko, Mike Panny, Paul Davis, Ralph Remmert Comanco: Tom Topp Compass: Jeremy Giles			

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 1, 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 operator was splashed in the right eye with diesel while fueling equipment on 5/23/06. A copy of the incident report will be forwarded to FDEP.

3.0 SUMMARY OF WORK PERFORMED

Moretrench:

- Continued work on Phase I OGS slope closure - continued backfilling the seepage collection drain with sandy soil cover, finish grading the south stormwater ditch, and closing in the outer dike between the south and west toe roads.
- Continued work on Phase II NGS slope closure - grading and compacting east slope.
- Well Water usage this report - 30,000 gallons to water roads.
- Equipment: 5 D-6 dozers, 1 D-8 dozer, 2 compactors, 1 excavator, 2 water wagons, 2 loaders, 1 dump truck, one 6-inch hydraulic pump - 14 personnel. Demobilized 1 excavator and 1 dump truck since last report.

Comanco:

- Continued work on modifications to the NGS-N spray evaporation system.
- Started mobilizing equipment to resume liner work on the Phase I stormwater ditch.
- Equipment (NGS-N spray evaporation system): 2 pick-up trucks, 1 QC trailer, 1 ATV, 5 generators - 9 personnel
- Equipment mobilized for Phase I stormwater ditch: 1 excavator, 1 loader, 1 track crawler dump, 1 4x4 Honda 350, 1 trailer.

Compass:

- Continued irrigation on the OGS-S slopes and watering for dust control.

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- Continued construction of the SCP-S partition dike (west dike of the Process Water Sump); 7,216 cy (estimated by truck load count) was hauled and placed since last report, 30,250 cy total as of 5/23/06.
- Continued relocating sludge/sediment from the east side of the SCP-S Process Water Sump and placing fill on the pond bottom - 462 cy (estimated by truck load count) was hauled and placed since last report, 7,612 cy total as of 5/23/06.
- Well Water usage this report - approximately 280,000 gallons.
- Equipment: 2 dump trucks, 1 water wagon, 2 dozers, 2 excavators, 1 compactor - 9 operators. 1 excavator was mobilized since last report.

CDM

- Continued installation of HDPE irrigation header for watering grass on the OGS west slope.
- Received gravel and corrugated pipe materials for the Phase II seepage collection drain.

4.0 PROJECTED WORK FOR NEXT WEEK

Moretrench:

- Continue work on the Phase I OGS slope closure - backfill sandy soil cover atop the seepage collection drain and grade and compact the ditch bottom and slopes for liner subgrade.
- Continue work on the Phase II NGS slope closure.

Comanco:

- Monitor seepage collection drain installation for resumption of liner work in the Phase I storm water ditches.
- Continue modifications to the NGS-N spray evaporation system.

Compass:

- Continue irrigating OGS grassed slopes and watering for dust control.
- Continue construction of the SCP-S partition dike and grading the east side of the Process Water Sump.
- Start installation of the relief drain at the SCP-S Process Water Sump inside toe of the east dike.

CDM

- Continue installation of irrigation system on the OGS west crest.

5.0 SURVEY NOTES

- Picket as-built surveyed (for Moretrench on 4/24/06) the NGS-S slope (partial) above the 1:1 cut; an ACAD version was emailed to Ardaman on 5/11/06, and crest liner elevations were faxed on 5/12/06. Ardaman will review the south slope above the 1:1 cut.
- Moretrench/Edgemon Land Surveying as-built surveyed the Phase I OGS south stormwater ditch for liner subgrade on 5/19/06, and provided a hard copy to Ardaman on 5/23/06 for review. See 8.0 Technical Items - Miscellaneous for more.
- Moretrench/Edgemon also as-built surveyed the Phase II east slope above the 1:1 cut on 5/19/06, and provided a hard copy to Ardaman on 5/23/06 for review. Ardaman will review the east slope above the 1:1 cut. CDM indicated that an ACAD version was emailed to Ardaman on 5/23/06.

6.0 PROJECT SCHEDULE

- No workdays were lost to weather this reporting period.
- CDM will update the project schedule on 5/30/06 and distribute by email.
- Weekend work schedule: no work is planned on the 3-day Memorial day weekend.

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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/Compass provided the concrete mix design for the OGS-S inlet structure modification to Ardaman at the 5/18/06 construction meeting.
- CDM submitted a shop drawing by McNichols Company for SCP-S and Phase II slope ditch inlet structure grates to Ardaman by email on 5/8/06; Ardaman responded by email on 5/10/06 that the specified 3" x 3" opening size is preferred.
- As indicated in Ardaman's email on 5/8/06, additional certifications were requested for the W315-210 woven geotextile.
- CDM/Comanco provided a proposed liner panel placement drawing, for the SCP-S south compartment, by email on 5/22/06 to Ardaman for review and approval.

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 4 technicians on site this reporting period.
- Phase 1 slope closure in-place gypsum/soil density tests - 904 tests passing, none failing, 2 pending.
- Phase 2 slope closure in-place gypsum/soil density tests - 30 tests passing, none failing, none pending.
- SCP south compartment in-place gypsum/soil density tests - 41 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) - 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.

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Miscellaneous

- Rainfall: CDM reported 1.69 inches from 5/12/06 through 5/22/06.
- 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 had visited the site to assess the condition of the sod, and determined that the sod needed more water and more time - CDM/Compass were requested by FDEP to provide an email report summarizing the supplier's assessment and recommendations.
- OGS south stormwater ditch 5/19/06 as-built survey was reviewed by Ardaman on 5/23/06, and a marked-up copy indicating elevations which were out of compliance was provided to CDM/Moretrench. Moretrench commenced corrective work on ditch bottom grades and south dike crest grades on 5/24/06. The survey also indicated that the gypsum slope/liner subgrade along the north side of the ditch was underbuilt (i.e., although grades along the north toe of slope at the north edge of the seepage collection drain were generally correct, grades along the toe of the 1:1 cut were 1.5-2.0 feet too low and hence the north slope of the ditch was too flat), such that substantial regrading work was needed in order to enable construction of the liner anchor trench to the required elevation of 30.0 feet. In lieu of hauling gypsum fill from the excess gypsum stockpile to build the north slope back up to grade, CDM/Moretrench proposed to excavate as needed to realign the 1:1 cut upslope as necessary to enable construction of the liner anchor trench at the correct elevation. CDM/Moretrench acknowledged that this proposed revision would require additional geocomposite, liner and soil cover for which no additional compensation would be sought. It was noted that the revision will also result in a reduction in the stockpiled excess gypsum volume that is the subject of a pending change order. CDM was requested to propose this option by email, including a typical cross-section, to FDEP and Ardaman for review and approval.
- Regarding permit status for the Gulfstream II borrow pit, Compass indicated that aerial photos were flown on 5/20/06 for topographic mapping.

Acceptances

- None since last report.

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.
- 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 proposed quantities were discussed in a meeting with FDEP and Ardaman on 5/17/06 - further discussions are in progress.
- CDM received input from Moretrench on 5/25/06 and will initiate a change order request for Phase I closure gypsum quantity adjustments. (See 8.0 Technical Items - Miscellaneous regarding quantity adjustment for the underbuilt OGS-S south stormwater ditch liner subgrade).
- Negotiations are still in progress between CDM and Moretrench to initiate a change order request for the elevation change in the Phase I south stormwater ditch seepage collection drain.

10.0 COMMENTS by FDEP

FDEP was not represented at the meeting.

11.0 COMMENTS by the RECEIVER

The Receiver was not present at the meeting.