

ARDAMAN & ASSOCIATES, INC. PROGRESS MEETING REPORT FOR PINEY POINT GYPSUM STACK SYSTEM CLOSURE		File No.: 05-110A Meeting Date: <u>9/22/05</u> Report No: <u>29</u>	Page 1 of 4 Report Date: <u>9/27/05</u>
Project Name:	CLOSURE CONSTRUCTION - NGS-S RESERVOIR, OGS SLOPES, TOP CAPS AND NGS-N RELIEF DITCH	Project Address: 13300 U.S. Highway 41 North Palmetto, Florida 34221 Manatee County	
ATTENDEES: Ardaman: John Cameron, Tony Deatherage, Rob Werner Receiver: FDEP: CDM: Mike Cruz, Steve Solters Moretrench: Mike Panny, Harley Frady, Steve Voytko Comanco: Brad DeNeve Compass: Chuck Icenogle			

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
 Moretrench: Al Shuman, Steve Voytko, Mike Panny
 Comanco: Tom Topp, Dragan Milosavljevic, Brad DeNeve
 Compass: Chuck Icenogle, Vernon Giles, Tom McSweeney

***Next Meeting is Scheduled for Thursday, September 29, 2005
 Construction/Engineering Meeting at 8:00 am
 Site Tour at 9:00 am followed by CDM Operations Meeting***

1.0 REVIEW MINUTES OF PREVIOUS MEETING

No corrections were noted.

2.0 SAFETY

- ! A leaking tank of sodium thiosulfate (a mild reductant, 10% solution?) has been roped off and bermed by CDM. Construction traffic should exercise caution in this area.

3.0 SUMMARY OF WORK PERFORMED

Moretrench:

- ! Hauled gypsum fill from the OGS west slope to the NGS-N Relief Ditch; 12,199 cy was hauled this report, 395,153 cy total as of 9/21/05 (compacted-in-place based on truck load count estimate).
- ! Continued finish grading and compacting the OGS-S Cap and OGS Slope Pond.
- ! Continued rough grading the NGS-N Relief Ditch.
- ! Completed supplemental drain at the west (discharge) end of the NGS 36-inch RCP outfall pipe (see 8.0 Technical Items/Clarifications - Miscellaneous for more).
- ! Resumed excavating the stormwater ditch at the toe of the OGS west slope.
- ! Process Water usage this report - approximately 627,500 gallons.
- ! Equipment: 4 D-8 dozers, 4 D-6 dozers, 6 compactors, 3 backhoes, 2 water wagons, 5 dump trucks, 1 motor grader - 23 personnel. Demobilized 1 loader since last report.

Comanco:

- ! Continued detail work at the OGS-N Cap.
- ! Started liner deployment at the OGS-S Cap; 188,569 sf (4.3 acres) was installed at the OGS Caps as of 9/20/05.
- ! Equipment: 1 QC trailer, 6 generators, 3 wedges, 4 extruders, 1 backhoe, 1 loader, 1 gator - 19 personnel.

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Compass:

- ! Continued haul road improvements and dust control.
- ! Continued segregating and screening soil stockpiles.
- ! Equipment: 4 dump trucks, 1 water wagon, 1 loader, 2 backhoes, 2 dozers, and 2 power screens, 2 compactors, 2 motor graders - 8 operators.

4.0 PROJECTED WORK FOR NEXT WEEK

Moretrench:

- ! Continue work on the OGS west slope and west stormwater ditch.
- ! Continue finish grading OGS-S Cap and OGS Slope Pond.
- ! Continue work on the NGS-N Relief Ditch.

Comanco:

- ! Complete liner detail work at the OGS-N Cap, and start anchor trench compaction.
- ! Continue liner deployment and start detail work at the OGS-S Cap.

Compass:

- ! Continue haul road improvements and dust control.
- ! Continue segregating and screening soil stockpiles.
- ! Install pipe at ditch crossing on Piney Point side.
- ! Continue equipment mobilization.

5.0 SURVEY NOTES

- ! A take-up survey was performed by Pickett for Moretrench on 9/20-21/05.

6.0 PROJECT SCHEDULE

- ! 1 workday was lost by Comanco this reporting period to weather (wind), 1 day by Compass to mechanical failure of both screens, none by Moretrench.
- ! The project schedule (full version) was updated by CDM on 9/22/05 and was distributed at the meeting. The schedule was updated to reflect construction progress to date, and corrected contract completion dates. CDM indicated that the schedule would be distributed after further internal review. It was requested that the revised schedule be distributed to all parties before the next meeting.
- ! Short-term, it was still anticipated that soil cover placement in the OGS Caps will start by Compass on 10/3/05.
- ! Weekend work schedule: Compass 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).

- ! Moretrench's submittal of product data sheets for AdvanEDGE panel drains and geotextile for use in the soil cover atop the OGS Cap ponds and slope pond, and the NGS cap pond, was previously approved, subject to corrected certifications for the Tytar 3401 geotextile wrap.

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8.0 TECHNICAL ITEMS/CLARIFICATIONS AND QUALITY ASSURANCE

NOTE: The current Drawings for the NGS-S Cap and NGS-N Relief Ditch are dated 7/19/05 (various revision numbers), **except as noted below**. The current Drawings for the Phase I Slope Closure (OGS Caps, Slopes and Ditches, and NGS-N West Slope and Ditch) are dated 7/19/05 (various revision numbers), **except as noted below**, and except for the following drawings that were distributed at the 8/18/05 meeting: D-3 revision 2, D-5 revision 2, D-9 revision 1, D-10 revision 1, D-11 revision 1 and D-12 revision 1, all dated 8/15/05. A minor dimensional change was noted for D10 - change 2'-9" to 3'-2" in detail 40.

The following revised Drawings for the NGS-S Cap and NGS-N Relief Ditch were distributed at the meeting: C-1 (revision 3 dated 9/19/05), C-5 (revision 3 dated 9/20/05) and C-2, D-1, D-1A and D-3 (all revision 2 dated 9/20/05).

The following revised Drawings for the Phase I Slope Closure were distributed at the meeting: C-2 (revision 4 dated 9/20/05), and C-3 (revision 3), C-4 (revision 2), C-6 (revision 2), C-7 (revision 3), C-8 (revision 3), C-9 (revision 2) and D-2 (revision 2), al dated 9/19/05.

Preliminary drawings were previously distributed at the 9/15/05 meeting for the NGS-S Soil Slope Cover Construction, C-1 through C-5 (hard copies and CD's containing ACAD files) for Contractor's use in estimating take-off quantities.

Regarding specifications for the OGS Slopes, 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.

Quality Control Activities

- ! Ardaman has 5 technicians on site.
- ! In-place gypsum density tests: 558 tests passing, none failing, 4 pending.
- ! OGS Cap liner seam destructive testing (DT's): 27 marked, 20 passing, none failing, none pending. A summary of testing status report dated 9/21/05 (revision 2) was distributed at the meeting. It was noted that DT's for the OGS-N Cap are complete.
- ! Liner anchor trench density tests: it was noted that the OGS Cap north pond anchor trench has yet been compacted or tested for compliance.
- ! A tabulated summary of testing results for proposed soil cover materials (moisture, fines and organic contents on selected daily grab samples of processed/screened soils) was last updated 9/14/05 (Revision 2).

Miscellaneous

- ! Rainfall: CDM reported 0.0 inches from 9/13/05 through 9/19/05.
- ! Reconciliation of Compass pay quantities for soil fill and grassing is in progress.
- ! A plan was submitted via email on 9/14/05 by CDM and Moretrench to install the NGS-N relief ditch outlet pipe via directional boring (except open cut and fill at seep shields). The plan was approved by Ardaman via email on 9/23/05.
- ! As noted in 3.0 Summary of Work Performed by Moretrench, a supplemental relief drain was installed in the vicinity of the west (discharge) end of the NGS 36-inch RCP outfall pipe. The drain was installed in accordance with recommendations emailed by Ardaman on 9/16/05.
- ! Regarding construction of temporary access ramp road up the east slope of the NGS-S, Compass was requested to submit a proposed temporary grading plan for approval.

Acceptances

- ! Final inspection of the OGS Cap north pond liner installation was re-scheduled (due to inclement weather) to 9/29/05.

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9.0 COMMENTS by PROGRAM MANAGER

- ! Change orders are in progress for changes in liner and gypsum cut/fill quantities.
- ! Regarding closure options for outside dike crests, CDM indicated selection of option 1 via email on 9/13/05.
- ! CDM is planning to isolate the SCP south compartment and start pumping out water in preparation for closure.
- ! CDM submitted Compass' Soil Sampling Plan for Gulfstream II Property Borrow Pits, dated 9/21/05, for review by Ardaman. This property is adjacent to Piney Points' east property line. Compass indicated that the Gulfstream I borrow pit is projected to be depleted in December 2005.