

ARDAMAN & ASSOCIATES, INC. PROGRESS MEETING REPORT FOR PINEY POINT GYPSUM STACK SYSTEM CLOSURE		File No.: 05-110A	Page 1 of 4
		Meeting Date: <u>9/15/05</u>	
		Report No: <u>28</u>	Report Date: <u>9/21/05</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, Nadim Fuleihan, Tom Leto Receiver: Louis Timchak FDEP: John Coates, Sam Zamani CDM: Mike Cruz, Dean Carter, Jason Gorrie, Mick Edgar Moretrench: Mike Panny, Harley Frady, Steve Voytko Comanco: Brad DeNeve, Tom Topp Compass: Chuck Icenogle, Vernon 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
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 22, 2005
Construction/Engineering Meeting at 9:00 am

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:

- ! No fill was hauled this report, except 127 cy were stockpiled; 382,954 cy (compacted-in-place estimate based on truck load count estimate) total as of 9/14/05.
- ! Continued finish grading and compacting the OGS Slope Pond.
- ! Completed phase-3 grouting to seal the west (discharge) end of the NGS 36-inch RCP outfall pipe.
- ! Resumed rough grading the relief ditch.
- ! Resumed excavating the OGS west slope ditch.
- ! Process Water usage this report - approximately 345,000 gallons.
- ! Equipment: 4 D-8 dozers, 4 D-6 dozers, 5 compactors, 3 backhoes, 2 water wagons, 5 dump trucks, 1 motor grader, 1 loader - 23 personnel. Demobilized 1 water wagon and 2 backhoes since last report.

Comanco:

- ! Completed punch list items for the NGS-S Reservoir on 9/14/05.
- ! Completed 60-mil liner deployment at the OGS-N Cap on 9/14/05; started detail work.
- ! 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. Added 1 dump truck since last report.

4.0 PROJECTED WORK FOR NEXT WEEK

Moretrench:

- ! Continue work on the OGS slopes.
- ! Continue finish grading and liner subgrade in the OGS Slope Pond.
- ! Continue work on the relief ditch.

Comanco:

- ! Continue liner detail work at the OGS-N Cap.
- ! Start liner deployment 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.
- ! It was anticipated that soil cover placement in the OGS Caps will start on 10/3/05.

5.0 SURVEY NOTES

- ! No as-built surveys since last report.

6.0 PROJECT SCHEDULE

- ! 1½ workdays were lost to fuel shortage by Compass this reporting period; none by Comanco or Moretrench.
- ! The project schedule (full version) was last updated by CDM on 9/1/05. CDM was requested by FDEP to update the schedule per comments emailed on 9/14/05, and to schedule a conference call for discussion after distribution of the updated schedule. Ardaman also requested that gypsum crest road grading and closure be included in the construction schedule. The Receiver requested that extension of the NG-S 18-inch outlet pipe to the 003 outfall also be included in the schedule.
- ! The project schedule (abbreviated version) was updated by CDM on 9/15/05 and was distributed at the meeting. The abbreviated version includes the NGS-S Reservoir and Cap, OGS Slopes and Caps and the NGS-N Relief Ditch.
- ! CDM was requested to provide the completed NGS-S Reservoir schedule to Ardaman for inclusion in the completion report.
- ! Weekend work schedule: no work is scheduled on Saturday or Sunday

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).

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- ! 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 Typar 3401 geotextile wrap.
- ! Comanco's proposed liner panel layout drawing for the OGS Caps and Slope Pond was re-submitted with corrections on 9/12/05, and was approved via email by Ardaman 9/13/05.

8.0 TECHNICAL ITEMS/CLARIFICATIONS AND QUALITY ASSURANCE

NOTE: Specifications for the NGS-S Reservoir are Revision 0 - Issued for Construction, dated 3/9/05. The current Drawings for the NGS-S Reservoir are dated 5/16/05 (various revision numbers). The current Drawings for the NGS-S Cap and NGS-N Relief Ditch are dated 7/19/05 (various revision numbers). 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 for the following drawings that were distributed at the 8/18/05 meeting to reflect corrections to-date: 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, and for drawing **C-2 revision 3, dated 9/13/05 (distributed at the 9/15/05 meeting)**. A minor dimensional change was noted for D10 - change 2'-9" to 3'-2" in detail 40.

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

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.

Quality Control Activities

- ! Ardaman has 7 technicians on site.
- ! In-place gypsum density tests: 548 tests passing, 1 failing (OGS Cap slope pond), 2 pending.
- ! OGS Cap liner seam destructive testing (DT's): 15 marked, 10 passing, none failing, none pending. A summary of testing status report dated 9/15/05 (revision 1) was distributed at the meeting.
- ! 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) dated 9/14/05 (Revision 2) was distributed at the meeting.

Miscellaneous

- ! Rainfall: CDM reported 0.0 inches from 9/6/05 through 9/12/05.
- ! 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 is being reviewed by Ardaman.
- ! A supplemental relief drain will be required in the vicinity of the west (discharge) end of the NGS 36-inch RCP outfall pipe. A preliminary installation sketch was distributed by Ardaman at the meeting; more details will follow.
- ! 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.
- ! The Engineer and FDEP emphasized the need to maintain effective dust control on crest roads and in active earthwork areas to avoid accumulation of gypsum on the lined reservoirs.

Acceptances

- ! On 9/13/05, subgrade for liner installation, OGS-S Cap.
- ! On 9/14/05, a final inspection was performed of the NGS-S Reservoir liner installation, and it was accepted without exceptions (refer Ardaman email on 9/14/05). The Reservoir had been previously inspected jointly by FDEP, Ardaman, CDM and Comanco on 9/8/05.

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! A final liner inspection of the OGS-N Cap was tentatively scheduled for 9/22/05.

9.0 COMMENTS by PROGRAM MANAGER

! Change orders are in progress for changes in liner and gypsum cut/fill quantities.

10.0 COMMENTS BY FDEP

See 6.0 Project Schedule for overall scheduling comments.

11.0 COMMENTS BY RECEIVER

See 6.0 Project Schedule for scheduling comments regarding the NGS-S 18-inch outlet pipe. It was noted that the valves should be kept closed until the outlet is extended to the 003 outfall.