

ARDAMAN & ASSOCIATES, INC. PROGRESS MEETING REPORT FOR PINEY POINT GYPSUM STACK SYSTEM CLOSURE		File No.: 05-110A Meeting Date: <u>9/8/05</u> Report No: <u>27</u> Report Date: <u>9/13/05</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 (telecom) Receiver: FDEP: John Coates (telecom) CDM: Mike Cruz, Steve Solters, Dean Carter Moretrench: Mike Panny, Harley Frady 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 15, 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

No incidents were reported.

3.0 SUMMARY OF WORK PERFORMED

Moretrench:

- ! Continued cut/fill at the OGS west slope and OGS-S Cap; estimate of gypsum fill hauled since last report was reported at 5,262 cy (by truck load count estimate), 382,8264 cy (compacted-in-place estimate based on truck load count) total as of 9/7/05.
- ! Continued finish grading and compacting the OGS-S Cap (complete) and OGS Slope Pond.
- ! Completed Phase-2 grouting of the east end of the NGS 36-inch RCP outfall pipe (from the former NGS-S riser).
- ! Water usage for compaction this report - approximately 143,000 gallons.
- ! Equipment: 4 D-8 dozers, 4 D-6 dozers, 4 compactors, 3 backhoes, 3 water wagons, 5 dump trucks, 1 motor grader, 2 loaders - 6 personnel ***[It was reported that most equipment was idle since last report due to fuel shortage].***

Comanco:

- ! Completed liner detail work in Areas 5 and 6 of the NGS-S Reservoir. Final inspection of the NGS-S liner by the Engineer, FDEP, CDM and Comanco was conducted after the meeting.
- ! Started liner deployment at the OGS-N Cap; estimated liner deployment was 28,000 sq ft (0.6 acres) as of 9/6/05.
- ! Equipment: 1 QC trailer, 6 generators, 3 wedges, 4 extruders, 1 backhoe, 1 loader, 1 gator - 16 personnel.

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Compass:

- ! Continued haul road improvements and dust control.
- ! Continued segregating and screening soil stockpiles.
- ! Continued stripping and excavating the Marsh 5 area (reported to be 90% complete).
- ! Equipment: 3 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-S Cap and finish grade the OGS Slope Pond.
- ! Undertake Phase-3 grouting to seal the west (discharge) end of the NGS 36-inch RCP outfall pipe.

Comanco:

- ! Continue liner deployment at the OGS-N Cap; start detail work.
- ! Start liner deployment at the OGS-S Cap, pending subgrade acceptance.

Compass:

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

5.0 SURVEY NOTES

- ! The OGS-S Cap was as-built surveyed by Pickett for Moretrench on 9/7/05; survey results were reported to be en route to Ardaman for checking. [Rob Werner reviewed the results after the NGS-S final inspection; required corrections were relayed to CDM and Moretrench that afternoon.]

6.0 PROJECT SCHEDULE

- ! 3 workdays were lost to fuel shortage by Moretrench this reporting period; 1 day was lost by Comanco and Compass. It was anticipated by Moretrench that fuel will become available some time next week.
- ! The project schedule (full version) was last updated by CDM on 9/1/05. Ardaman will meet with CDM after the meeting to discuss comments. Ardaman requested an electronic copy of the full-version schedule (in Microsoft Projects). The abbreviated-version project schedule (which includes the NGS-S Reservoir, OGS Caps and Slope Pond, NGS-S Cap, and NGS-N Relief Ditch) was updated by CDM on 9/7/05 and was distributed at the meeting.
- ! 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).

- ! 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, submitted on 8/8/05, proposed for the OGS Caps and Slope Pond, was approved as noted on 8/18/05; Comanco should re-submit a corrected drawing for the record - corrections are in progress.

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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.

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: 544 tests passing, 2 failing (OGS Cap south pond), 2 pending.
- ! Liner roll conformance testing Table 1A for 60-mil 2-sided textured liner, Revision 6 - Final, dated 9/7/05 was distributed at the meeting - all liner rolls (55 total) have been conditionally approved for deployment.
- ! Liner seam destructive testing (DT's): 333 marked, 333 passing, none failing, none pending. A tabulated summary of the test results, dated 9/7/05 (Revision 15 - Final) was distributed at the meeting. Liner seam destructive testing for the NGS-S Reservoir is complete.
- ! 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 9/7/05 (Revision 1) was distributed at the meeting.

Miscellaneous

- ! Rainfall: CDM reported 0.13 inches from 8/30/05 through 9/5/05.
- ! Reconciliation of Compass pay quantities for soil fill and grassing is in progress.
- ! Regarding abandonment of the NGS 36" RCP outfall pipe, Ardaman provided suggestions for Phase-3 grouting in a 9/6/05 email. CDM/Moretrench were requested to submit a plan for approval.
- ! Regarding installation of the NGS-N relief ditch outlet pipe via directional boring in lieu of open cut and fill, Moretrench was requested by Ardaman via email on 8/31/05 to submit a detailed plan. Seepshield requirements were emailed by Ardaman on 9/6/05.

Acceptances

- ! On 9/8/05 (verbal), liner installation, NGS-S Reservoir, Areas 5 and 6.

9.0 COMMENTS by PROGRAM MANAGER

- ! Change orders are in progress for changes in liner and gypsum cut/fill quantities.
- ! 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.
- ! A fallen power pole at the southwest corner of the project site is scheduled for re-installation on 9/9/05.
- ! Regarding Tropical Storm Ophelia, no specific emergency plans are underway at this time, given the storm's present location.

10.0 COMMENTS BY FDEP

- ! CDM was requested to email copies of the current full-version schedule (after incorporating Ardaman's review comments - See Item 6.0 Project Schedule) to all parties in PDF version.