

ARDAMAN & ASSOCIATES, INC. PROGRESS MEETING REPORT FOR PINEY POINT GYPSUM STACK SYSTEM CLOSURE		File No.: 05-110A	Page 1 of 4
		Meeting Date: <u>9/1/05</u>	
		Report No: <u>26</u>	Report Date: <u>9/7/05</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 Receiver: _____ FDEP: _____ CDM: Mike Cruz, Steve Solters Moretrench: Steve Voytko, Harley Frady Comanco: Brad DeNeve 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 8, 2005
Construction/Engineering Meeting at 8:00 am***

1.0 REVIEW MINUTES OF PREVIOUS MEETING

3.0 Summary of work performed - Moretrench: it was incorrectly recorded that finish grading was completed at the OGS Cap south pond - grading was actually completed at the north pond.

2.0 SAFETY

No incidents were reported. See 9.0 Comments by Program Manager for more.

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 10,287 cy (by truck load count estimate), 377,564 cy (compacted-in-place estimate based on truck load count) total as of 8/31/05. It was reported that fill hauled this report was to the west dike of the OGS-S Cap (not to the NGS-S Cap as indicated in Moretrench's weekly summary).
- ! Continued finish grading and compacting the OGS Cap areas.
- ! Completed preparatory work for Hurricane Katrina.
- ! Water usage for compaction this report - approximately 209,000 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 - 29 personnel. 2 dump trucks were added since last report.

Comanco:

- ! Liner deployment is complete. Based on measurements by Ardaman's technician, the estimated total liner deployment in the NGS-S Reservoir is 3,098,664 sq ft (71.1 acres). Comanco reported an estimate of 3,139,928 sq ft (72.1 acres) last week.
- ! Continued liner detail work in NGS-S Reservoir Area 3 (complete), Area 4 (complete), and Areas 5 and 6.
- ! Began excavating liner anchor trenches for the OGS-N Cap.
- ! Completed preparatory work for Hurricane Katrina.
- ! Equipment: 1 QC trailer, 6 generators, 3 wedges, 4 extruders, 1 backhoe, 1 dozer, 1 loader, 1 gator - 20 personnel.

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Compass:

- ! Continued improvements to haul roads.
- ! Continued segregating and screening soil stockpiles.
- ! Started stripping and excavating the Marsh 5 area.
- ! Equipment: 3 dump trucks, 1 water wagon, 1 loader, 1 water truck, 1 motor grader, 2 backhoes, 2 dozers, and 2 power screens, 2 compactors, 1 motor grader - 8 operators. Demobilized 1 forklift since last report.

4.0 PROJECTED WORK FOR NEXT WEEK

Moretrench:

- ! Continue work on the OGS Caps; finish grade the south cap.
- ! Grout the east end of the NGS 36-inch RCP outfall pipe.

Moretrench reported that they have elected to suspend Rough grading of the NGS-N Relief Ditch (reportedly pending drawing revisions by the Engineer) and to suspend grading operations on the south slope of the OGS, reportedly pending direction from CDM. [It is noted that the current design grades for the NGS-N Relief Ditch are as shown on Drawing C-1, Rev. 1, dated 7/13/05].

Comanco:

- ! Complete liner detail work in Areas 5 and 6.
- ! Start liner deployment at OGS Cap north pond.

Compass:

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

5.0 SURVEY NOTES

- ! Corrective work at the OGS-N Cap was as-built surveyed by Pickett for Moretrench on 8/25/05; the survey was provided to Ardaman on 8/26/05 and was approved.

6.0 PROJECT SCHEDULE

- ! 3 workdays were lost to weather and storm preparation by Moretrench and Comanco this reporting period; no workdays were lost by Compass.
- ! The project schedule was updated by CDM on 9/1/05 and was distributed at the meeting. The updated schedule includes tasks for all closure activities in addition to those previously tracked, including Phase 2 slopes, cooling ponds, etc., with forecast dates for construction completion and "slope maturation" (6 month allowance for grass establishment) when applicable.
- ! Comanco indicated that liner detail work for the NGS-S Reservoir would finish by 9/2/05. The final inspection by Ardaman and FDEP is scheduled for 9/8/05.
- ! Weekend work schedule: no work is scheduled on Saturday, Sunday or Monday (Labor Day). Moretrench does not plan to work on Friday, except to grout the east end of the NGS 36-inch RCP outfall pipe.
- ! It was noted by all Contractors that work schedules are being impacted by fuel shortages at this time.

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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).

- ! Moretrench's submittal of product data sheets for AdvanEDGE panel drains and geotextile for use in the soil cover atop the OGS Caps and OGS Slope Pond, and the NGS-S Cap, 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.

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-N Reservoir are dated 5/16/05 (various revision numbers). Updated drawing sets and CD's were distributed for construction at the 7/21/05 meeting for the NGS-S Cap and NGS-N Relief Ditch, dated 7/19/05 (various revision numbers). Updated drawing sets and CD's for construction were also distributed at the 7/21/05 meeting for the Phase I Slope Closure (OGS Caps, Slopes and Ditches, and NGS-N West Ditch) dated 7/19/05 (various revision numbers). The following drawings were distributed at the 8/18/05 meeting to reflect minor corrections to-date to the Phase I Slope Closure: 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.

In response to Moretrench's inquiry regarding work on outside slopes, CDM and Moretrench were advised by Ardaman via email on 8/24/05 applicable specification sections for compaction requirements.

Quality Control Activities

- ! Ardaman has 7 technicians on site.
- ! In-place gypsum density tests: 534 tests passing, 1 failing (OGS Cap south pond), 2 pending.
- ! Liner roll conformance testing table 1A for 60-mil 2-sided textured liner was last updated on 8/25/05 (revision 5) - all liner rolls (55 total) have been conditionally approved for deployment.
- ! Liner seam destructive testing (DT's): 333 marked, 330 passing, none failing (duplicate DT-293R passed), none pending. A summary of testing status was updated on 8/31/05 (revision 15) and was distributed at the meeting.
- ! Liner ballast and anchor trench gypsum compaction testing: 156 passing, none failing, none pending - this portion of testing is complete for the NGS-S Reservoir.
- ! Results of tests performed by Ardaman on grab samples of screened soil obtained during stockpile processing will be distributed at the next meeting.

Miscellaneous

- ! Rainfall will be updated next report.
- ! Reconciliation of Compass pay quantities for soil fill and grassing is in progress.
- ! Removal of soil and organics from the liner at the north corner of the OGS-S pond was completed.
- ! Regarding grouting of the 36" outfall pipe, end-of-pipe field observations indicate that an undetermined amount of gypsum was not displaced by the grout, and that water is still draining from the outfall pipe. Ardaman is evaluating.
- ! 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 to submit a detailed plan. Moretrench requested details from Ardaman regarding seepshield requirements.

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Acceptances

- ! On 8/26/05, subgrade for liner installation, OGS-N Cap.
- ! On 8/31/05, liner installation, NGS-S Reservoir, Areas 3 and 4.

9.0 COMMENTS BY PROGRAM MANAGER

- ! A change order is in progress for changes in liner quantities.
- ! Removal of a leaking tank of sodium thiosulfate (a mild reductant, 10% solution?) is in progress by CDM in the plant area; construction traffic should exercise caution.
- ! The Program Manager completed preparations for Hurricane Katrina as outlined in an email to FDEP on 8/25.
- ! The Program Manager will re-install a fallen power pole at the southwest corner of the project site.