

ARDAMAN & ASSOCIATES, INC. PROGRESS MEETING REPORT FOR PINEY POINT GYPSUM STACK SYSTEM CLOSURE		File No.: 05-110A	Page 1 of 4
		Meeting Date: <u>8/18/05</u>	
		Report No: <u>24</u>	Report Date: <u>8/24/05</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, Rob Werner, Tony Deatherage, Nadim Fuleihan, Tom Leto Receiver: Louis Timchak FDEP: John Coates, Phil Coram, Sam Zamani CDM: Jason Gorrie, 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, August 25, 2005
Construction/Engineering Meeting at 9:00 am***

1.0 REVIEW MINUTES OF PREVIOUS MEETING

No corrections were noted.

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 slope pond; hauled excess gypsum fill to the NGS-S Cap; estimate of gypsum fill hauled since last report was reported at 8,685 cy (by truck load count estimate), 357,391 cy (compacted-in-place estimate based on truck load count) total as of 8/17/05.
- Started installation of the inlet structures and piping at the OGS Caps and Slope Pond.
- Continued rough grading the OGS-S south and west slopes.
- Started rough grading the NGS Relief Ditch.
- Started excavating the OGS-S south ditch.
- Completed demolition of the former NGS spillway risers.
- Water usage for compaction this report - approximately 368,500 gallons - see 10.0 Comments by FDEP for more.
- Equipment: 3 D-8 dozers, 3 D-6 dozers, 4 compactors, 3 backhoes, 2 water wagons, 3 dump trucks, 1 motor grader, - 28 personnel.

Comanco:

- Continued liner deployment in Area 6 - 88,975 sq ft (2.0 acres) was deployed since last report; liner installed to-date (as of 8/16/05) is 3,097,928 sq ft (70.9 acres).
- Continued liner detail work in Areas 3, 4, 5 and 6, including liner repair due to erosion damage at the diagonal drainage ditch (complete).
- Equipment: 1 QC trailer, 6 generators, 3 wedges, 4 extruders, 1 backhoe, 1 dozer, 1 loader, 1 gator - 20 personnel; removed 1 dozer and 1 water truck since last report.

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Compass:

- Continued improvements to haul roads.
- Continued segregating and screening east soil stockpile.
- Continued mobilizing equipment - added 2 compactors, changed out 1 motor grader, and changed out 1 power screen, since last report.
- Equipment: 3 dump trucks, 1 loader, 1 water truck, 1 motor grader, 2 backhoes, 2 dozers, and 2 power screens, 2 compactors - 6 operators

4.0 PROJECTED WORK FOR NEXT WEEK

Moretrench:

- Continue work on the OGS Caps and Slope Pond.
- Continue grading the OGS-S south and west slopes.
- Undertake first-phase grouting of the NGS 36-inch RCP outfall pipe.
- Continue installation of the inlet structures and piping at the OGS Caps and Slope Pond.
- Continue rough grading the OGS-S south stormwater ditch.
- Continue rough grading the NGS Relief Ditch.
- Relocate process pond water fill station.

Comanco:

- Complete liner deployment in Area 6.
- Continue liner detail work in Areas 3, 4, 5 and 6.
- Start liner deployment at OGS Caps when subgrade is accepted.

Compass:

- Continue equipment mobilization.
- Continue haul road improvements.
- Continue segregating and screening soil stockpiles.

5.0 SURVEY NOTES

- No comments.

6.0 PROJECT SCHEDULE

- No workdays were lost to weather this reporting period.
- The project schedule was updated by CDM on 8/18/05 and was distributed at the meeting.
- Comanco indicated that liner detail work for the NGS-S Reservoir should finish by 8/26/05; a final inspection by Ardaman and FDEP was tentatively scheduled for 8/30/05.
- Liner deployment in the OGS Caps is now scheduled to start about 8/29/05; if the north cap is ready first, soil fill may start about 9/6/05.
- See 10.0 Comments by FDEP for more.

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 concrete mix design CEMEX mix no. 96100, dated 7/27/05, proposed for grouting the 36" outfall pipe, was previously approved, subject to approval of a grouting plan. A grouting plan was presented by

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Moretrench at the meeting. Moretrench was requested to modify the plan per comments at the meeting, and re-submit.

- 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.

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 meeting to reflect minor dimensional 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.

Quality Control Activities

- Ardaman has 6 technicians on site.
- In-place gypsum density tests: 489 tests passing, 2 failing (NGS-S Cap), 7 pending.
- Liner roll conformance testing table 1A for 60-mil 2-sided textured liner was updated on 8/17/05 (revision 4), and was distributed at the meeting - 49 rolls of liner (of 55 total) have been conditionally approved for deployment.
- Liner seam destructive testing (DT's): 331 marked, 287 passing, 1 failing (DT-293; 120' of this seam will be capped), 20 pending. A summary of testing status was last updated on 8/10/05 (revision 15).
- Liner ballast and anchor trench gypsum compaction testing: 155 passing, none failing, none pending.

Miscellaneous

- Rainfall for August (through 8/22/05) as reported by the Program Manager is 1.71".
- Reconciliation of Moretrench pay quantities for gypsum cut and fill is in progress, as is reconciliation of Compass pay quantities for soil fill and grassing quantities.
- Removal of soil and organics from the liner at the north corner of the OGS-S pond is in progress (Program Manager).
- Regarding soil materials (former starter dike / natural ground sands) encountered during excavation of the OGS south stormwater ditch (see Drawing C-5), Ardaman will obtain samples after the meeting for pore fluid pH and conductance tests to determine if the soil is suitable for use in grading the OGS slopes. [Three soil samples tested 8/18/05 displayed pH ranging from 4.4 to 4.6 and conductance ranging from 2,140 to 2,210 μ mohs/cm (similar to characteristic pH and conductance of leached gypsum). Moretrench was notified that the soil can be used for OGS slope grading, but shall be covered with at least 12 inches of clean gypsum at final grade.]

Acceptances

- Subgrade for liner deployment on 8/11/05, Area 6 pond bottom and slopes from station 2+40 to 68+00. This completes the NGS-S Reservoir subgrade.

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9.0 COMMENTS by PROGRAM MANAGER

- A change order is in progress for changes in liner quantities.
- It was noted that 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.

10.0 COMMENTS by FDEP and/or RECEIVER

- The Receiver inquired about the status of the final report for the completed Seepage Inflow Cut-off Wall project. (Ardaman replied that the report, including as-built drawings, is being reviewed and will be submitted in short order.)
- FDEP requested Subcontractors to review construction schedule updates, and to direct comments to CDM, copied to Ardaman.
- FDEP indicated that fresh water (instead of process pond water) should be used for compaction and dust control purposes in areas scheduled to be amended and grassed (particularly as grading operations in such areas approach finish grade).