

ARDAMAN & ASSOCIATES, INC. PROGRESS MEETING REPORT FOR PINEY POINT GYPSUM STACK SYSTEM CLOSURE		File No.: 05-110A	Page 1 of 3
		Meeting Date: <u>7/28/05</u>	
		Report No: <u>21</u>	Report Date: <u>8/02/05</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 Receiver: FDEP: CDM: Michael Cruz, Dean Carter, 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, Joe Benz, Dragan Milosavljevic, Brad DeNeve
Compass: Chuck Icenogle, Vernon Giles, Tom McSweeny

***Next Meeting is Scheduled for Thursday, August 4, 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

Section 3.0 - Summary of Work Performed by Comanco - total area of liner installed was incorrectly recorded last report as of 7/13 - it was actually as of 7/19.

2.0 SAFETY

No incidents were reported.

3.0 SUMMARY OF WORK PERFORMED

Moretrench:

- Continued cut/fill at the OGS caps and slope pond; hauled gypsum fill from the OGS north and west slope areas to the NGS-S Cap; gypsum fill hauled as of 7/27/05 was reported (by truck load count estimate) as 336,070 cy (compacted-in-place).
- Completed excavation of the infiltration drain ditches in Areas 5 and 6 of the NGS-S Reservoir.
- Continued grading and compacting Area 6 pond bottom and dike crest.
- Continued site dewatering as needed.
- Water usage for compaction this report - approximately 115,000 gallons
- Equipment: 1 D-8 dozer, 3 D-6 dozers, 4 compactors, 1 backhoe, 1 water wagon, 3 dump trucks, 1 motor grader, 1 hydraulic 6" pump - 17 personnel. Demobilized 1 compactor and 1 water wagon since last report.

Comanco:

- Continued liner deployment in Area 5 and started in Area 6 - 217,704 sq ft (5.0 acres) was deployed since last report; liner installed to-date (as of 7/26/05) is 2,676,910 sq ft (61.5 acres).
- Continued liner detail work in Areas 3, 4 and 5.
- Equipment: 1 QC trailer, 6 generators, 3 wedges, 4 extruders, 1 backhoe, 1 dozer, 1 loader, 1 gator - 19 personnel

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Compass:

- Continued improvements to haul roads.
- Started Trommel screening process on 7/27/05.
- Continued mobilizing equipment - added 1 dozer, and 1 Trommel power screen since last report.
- Equipment: 2 dump trucks, 1 loader 1 water truck, 1 motor grader, 1 backhoe, 1 dozer, and 1 Trommel power screen
- 3 personnel

4.0 PROJECTED WORK FOR NEXT WEEK

Moretrench:

- Continue finish grading and compacting Area 6, and start removing the access ramp.
- Continue work on the OGS slope pond.
- Anticipated delivery of the 20" HDPE pipe and HDPE inlets (OGS Cap ponds) has been delayed to about 8/11.
- Start grading the OGS slopes, starting at the east end of the south slope.

Comanco:

- Continue liner deployment in Areas 5 and 6.
- Continue liner detail work in Areas 3, 4 and 5, and start Area 6
- Install concrete apron at inlet structure.

Compass:

- Continue equipment mobilization - should complete about 8/15.
- Continue haul road improvements.
- Continue segregating and screening soil stockpiles.

5.0 SURVEY NOTES

- Area 6 (partial) as-built was surveyed by Pickett for Moretrench of 7/27/05.
- Moretrench provided hard copies of Pickett's 7/20/05 take-up survey; Ardaman requested an electronic copy.

6.0 PROJECT SCHEDULE

- No workdays were lost to weather this reporting period.
- The project schedule was last updated on 7/21/05. No changes, except that work at the OGS Caps, including soil fill, may be further delayed, due to late delivery of the 20" HDPE pipe and HDPE inlets. Forecast completion date for the NGS-S Reservoir is 8/22/05 (no change since last report).
- The project schedule will be updated by CDM next meeting.

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 submitted a concrete mix design (Cemex mix no. 96100, dated 7/27/05), proposed for grouting the 36" outfall pipe, at the meeting; a grouting plan will follow..

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

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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).

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: 462 tests passing, none failing, 6 pending.
- Liner roll conformance testing: table 1A (revision 0) was last updated on 7/20/05 for 60-mil 2-sided textured liner - 15 rolls of liner (of 45 total) have been conditionally approved for deployment.
- Liner seam destructive testing (DT's): 284 marked, 254 passing, none failing, 7 pending. A summary of testing status was last updated on 7/20/05 (revision 13).
- Liner ballast and anchor trench gypsum compaction testing: 132 passing, none failing, none pending.

Miscellaneous

- Rainfall reported by the Program Manager for this reporting period (through 7/25/05): 1.41" (July total 6.63")
- Ardaman emailed an updated status report on 7/27/05 regarding reconciliation of Comanco pay quantities for liner, per the BAFO, the 5/17/05 drawings, and the 7/13/05 drawings.
- Ardaman also emailed a status report on 7/27/05 regarding reconciliation of Moretrench pay quantities for gypsum cut and fill.
- Ardaman provided CDM/Compass with a form for their use in providing estimates of soil fill and grassing quantities for the Phase I OGS Slope Closure (including the OGS Cap Areas, OGS Slope Pond and OGS Runoff Collection Ditch) and for the NGS-S Cap and Relief Ditch Closure.
- The Program Manager was requested by Ardaman to remove soil and vegetation build-up in the OGS-S pond at the water introduction pipe location - this material could potentially wash out and plug the outlet pipe at the concrete outlet structure.

Acceptances

- Area 6 partial on 7/27: south slope from station 63+80 to 68+00 and 75' out from the toe of slope; also the sump and drainage ditches, including the ditch in Area 5 (this completes Area 5 subgrade acceptance).

9.0 COMMENTS by PROGRAM MANAGER

- A video camera survey of the 36-inch RCP outfall pipe was performed on 7/22/05; the camera was able to traverse only 36' into the pipe. Ardaman reviewed the video tape after the meeting.

10.0 COMMENTS by FDEP and/or RECEIVER

- FDEP and the Receiver were not represented at the meeting.