

ARDAMAN & ASSOCIATES, INC. PROGRESS MEETING REPORT FOR PINEY POINT GYPSUM STACK SYSTEM CLOSURE		File No.: 04-100A	Page 1 of 3
		Meeting Date: <u>4/7/05</u>	
		Report No: <u>5</u>	Report Date: <u>4/13/05</u>
Project Name:	CLOSURE CONSTRUCTION - PHASE III NGS-S COMPARTMENT LINED RESERVOIR	Project Address: 13300 U.S. Highway 41 North Palmetto, Florida 34221 Manatee County	
ATTENDEES: Ardaman: Nadim Fuleihan, John Cameron, Rob Werner Receiver: Louis Timchak FDEP: John Coates, Sam Zamani CDM: Steve Solters, Dean Carter, Michael Cruz Moretrench: Steve Voytko, Harley Frady, Mike Panny Comanco: Tom Topp, Dragan Milosavljevic, Brad DeNeve			

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

The Next Construction Meeting is Scheduled for Thursday, April 14, 2005
Construction/Engineering Meeting at 8:30 am
Site Tour at 10:00 am Prior to CDM / FDEP Meeting

1.0 REVIEW MINUTES OF PREVIOUS MEETING

No corrections were noted

2.0 SAFETY

No safety issues were reported.

3.0 SUMMARY OF WORK PERFORMED

Moretrench:

- Continued hauling gypsum fill to dikes in Areas 1 (complete), 2-3-4-5, and to the pond bottom in Areas 2-3. Gypsum fill hauled this week was reported (by truck count estimate) as 60,328 cy (compacted-in-place), 131,260 cy to-date.
- Completed compacting and finish grading Area 1 dike and pond bottom (complete except west of station 21+00).
- Continued compacting and rough grading Areas 2-3-4.
- Continued maintenance of dewatering ditches and dewatering pump.
- Equipment: 1 D-8 dozer w/ripper, 4 D-6 dozers, 4 compactors, 2 backhoes, 1 water wagon, 6 dump trucks, 1 motor grader, 1 hydraulic 6" pump - 22 personnel.

Comanco:

- Continued receiving/unloading liner materials; 60 rolls of 80-mil smooth liner, 166 rolls of 80-mil 2-sided textured liner, and 30 rolls of 80-mil 1-sided textured liner were received as of 4/5/05.
- Completed mobilizing for liner installation.
- Started liner installation in Area 1 on 4/4/05 - 102,085 sqft (2.34 acres) was installed as of 4/6/05.
- Equipment: 1 QC trailer, 6 generators, 3 wedges, 3 extruders, 1 backhoe, 1 dozer, 1 loader, 1 water truck, 1 crawler-carrier, 1 gator - 23 personnel

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4.0 PROJECTED WORK FOR NEXT WEEK

Moretrench:

- Grade out existing access ramp at northwest corner of Area 1
- Continue compacting and start finish grading Area 2
- Continue hauling gypsum fill to Areas 2-3-4-5.
- Continue compacting and rough grading Area 3, and start Area 4.
- Continue mixing soft black gypsum.
- Maintain dewatering ditches and pump(s).
- 1000' of 18-inch HDPE outlet pipe is scheduled for delivery on 4/7/05.

Comanco:

- Continue receiving/unloading liner.
- Continue liner installation in Area 1, pending subgrade acceptance.

5.0 SURVEY NOTES

- Pickett as-built surveyed an initial portion of Area 1 on 3/31/05. The balance of Area 1 is scheduled to be as-built on 4/7/05, except west of station 21+00 where an existing access ramp needs to be graded out.
- Pickett performed quantity take-up surveys of gypsum work completed by Moretrench on 3/24/05 and 4/4/05. The surveys were provided to CDM; CDM was requested to forward the surveys to Ardaman.

6.0 PROJECT SCHEDULE

- No workdays were lost to weather.
- The schedule was last updated on 3/8/05 (draft 7), with projected operational and completion dates are 8/1/05 and 8/30/05, respectively; the contract completion date is 8/30/05.
- Liner work by Comanco began in Area 1 on 4/4/05, as originally scheduled.
- The schedule will be updated to reflect fill quantities per the 3/2/05 topographic survey, and actual progress by Moretrench based on Pickett's take-up surveys.

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 submittals for the 18-inch HDPE outlet pipe material were not approved as submitted - additional information is required as outlined in a 3/30/05 email; it will be provided on 4/7/05.
- Moretrench will submit rebar shop drawings for the concrete inlet structure on 4/7/05.
- Moretrench was requested to submit a gradation and sample of sand proposed for bedding the outlet pipe.

8.0 TECHNICAL ITEMS/CLARIFICATIONS AND QUALITY ASSURANCE

NOTE: All drawings and specifications for the NGS-S Reservoir are Revision 0 - Issued for Construction, dated 3/9/05. CD's of site plans and sections for OGS slopes, caps and the relief ditch, were provided at the meeting to CDM and Moretrench.

Quality Control Activities

- Ardaman has 6 technicians on site.
- In-place gypsum density tests: 82 tests are passing, 1 failing (east dike station 41+00), and 14 pending. A location plan of the density tests was reviewed at the meeting.

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- Liner roll conformance testing: tables of testing status (revision 3, dated 4/6/05) were distributed at the meeting; 69 rolls of 2-sided textured and 1 roll of 1-sided textured have been conditionally approved for deployment; 3 1/3 rolls of previously approved smooth liner have been transferred from the phase II-B project.

Miscellaneous

- Rainfall (inches) as reported by the Program Manager for this reporting period: 0.44 (March total 5.19, April total 0.44).
- Comanco was requested to invoice Ardaman for shipping costs to pre-ship liner samples as instructed via e-mail on 3/16/05. Ardaman will invoice the Receiver for these costs.
- Ardaman distributed a comparison of the Engineer's and Contractors' material quantity estimated (Schedule D) on 3/30/05. CDM was requested to review apparent discrepancies. A comparison of earthwork cut and fill quantities for the NGS-S reservoir as computed by Ardaman and Moretrench was also distributed. The total neat in-place fill quantity estimated by Ardaman is 206,500 cy (excluding 30,000 cy to backfill the outlet excavation), whereas Moretrench's estimate is on the order of 200,000 cy. Ardaman indicated that a 10' grid spacing was used to determine their estimate - Moretrench was requested to check that the same grid spacing was used in their model.

Acceptance of subgrade for liner deployment

- On 4/2/05, Area 1 dike and 75' of adjacent pond bottom, from station 21+00 to 27+50.
- On 4/6/05, Area 1 dike and 75' of adjacent pond bottom, from station 27+50 to 32+50.

9.0 COMMENTS by PROGRAM MANAGER

No comments.

10.0 COMMENTS by FDEP and/or RECEIVER

- CDM and Moretrench were requested to submit a comparison of original (BAFO) and present (3/2/05 survey) earthwork quantities, with a breakdown into appropriate sub-categories such as hauling, compaction and finish grading, for consideration with respect to possible adjustments to the contract.
- Moretrench was requested to provide a count of water truck loads and estimates of gallons used on site, for water balance accounting purposes.