

ARDAMAN & ASSOCIATES, INC. PROGRESS MEETING REPORT FOR PINEY POINT GYPSUM STACK SYSTEM CLOSURE		File No.: 04-100A	Page 1 of 3
		Meeting Date: <u>4/28/05</u>	
		Report No: <u>8</u>	Report Date: <u>5/03/05</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: John Cameron, Rob Werner, Tom Leto, Tony Deatherage Receiver: Louis Timchak FDEP: Sam Zamani CDM: Steve Solters, Dean Carter, Michael Cruz Moretrench: Steve Voytko, Harley Frady Comanco: Joe Benz, 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

Next Construction Meeting is Scheduled for Thursday, May 5, 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

In Section 3.0 Summary of Work - Moretrench, it was incorrectly reported that the two D-8 dozers that were added to the project were equipped with rippers.

2.0 SAFETY

Regarding traffic control at the in-plant intersection of the gypsum stack access road and laboratory road, CDM added a sign to stop traffic on the laboratory road before turning onto the gypsum stack access road.

3.0 SUMMARY OF WORK PERFORMED

Moretrench:

- Essentially completed hauling gypsum fill to dikes and pond bottom in Areas 3 and 4. Also continued hauling gypsum fill to dikes in Areas 5 and 6. Gypsum fill hauled to-date as of 4/27/05 was reported (by truck load count estimate) as 215,993 cy (compacted-in-place). See 5.0 Survey Notes for comments on truck count estimates.
- Continued compacting and rough grading Areas 3, 4 and 5.
- Continued finish grading Area 2; compaction is complete.
- Continued fusing 18-inch HDPE outlet pipe; approximately 2500' has been welded. All pipe has been received.
- Continued maintenance of dewatering ditches and dewatering pump.
- Water usage for compaction this report - approximately 805,000 gallons
- Equipment: 3 D-8 dozers (1 w/ripper), 4 D-6 dozers, 5 compactors, 2 backhoes, 1 long-stick backhoe, 3 water wagons, 6 dump trucks, 1 motor grader, 1 hydraulic 6" pump - 31 personnel.

Comanco:

- Continued liner installation in Area 1 (complete) and Area 2. A total of 168,459 sq ft (3.87 acres) was installed this reporting period, and a total of 645,750 sq ft (14.82 acres) had been installed as of 4/20/05.
- Equipment: 1 QC trailer, 6 generators, 3 wedges, 3 extruders, 1 backhoe, 1 dozer, 1 loader, 1 water truck, 1 gator - 20 personnel

ARDAMAN & ASSOCIATES, INC. PROGRESS MEETING REPORT FOR PINEY POINT GYPSUM STACK SYSTEM CLOSURE	File No.: 04-100A	Page 2 of 3
	Meeting Date: <u>4/28/05</u>	
	Report No: <u>8</u>	Report Date: <u>5/03/05</u>
CLOSURE CONSTRUCTION - PHASE III NGS-S COMPARTMENT LINED RESERVOIR	Project Address: 13300 U.S. Highway 41 North Palmetto, Florida 34221 Manatee County	

4.0 PROJECTED WORK FOR NEXT WEEK

Moretrench:

- Complete finish grading Area 2 west dike.
- Continue compacting and start finish grading Area 3.
- Continue hauling gypsum fill to Areas 5 and 6 and rough grading Areas 4, 5 and 6.
- Continue welding 18-inch HDPE outlet pipe.
- Start installation of 18-inch outlet pipe through the south dike.
- Start concrete work at the inlet structure.
- Maintain dewatering ditches and pump(s).

Comanco:

- Continue liner installation in Area 2, pending subgrade acceptance - it was anticipated that the remaining approved subgrade in the east half of Area 2 would be lined out on the day of the meeting, 4/28/05.

5.0 SURVEY NOTES

- Area 1 west of station 21+00, and the east dike and eastern half of the pond bottom in Area 2, were corrected and re-as-built surveyed by Pickett on 4/22/05.
- An as-built survey of the west half of the pond bottom in Area 2 was performed on 4/23/05. Acceptance of this area is pending completion of fine grading on the west dike in Area 2. Moretrench intends to complete and survey the Area 2 west dike on 4/27/05.
- Ardaman requested that the west dike as-built compliance cross-sections include elevations at 3 points on the crest road: top-of-lined-berm, toe-of-lined-berm, and top-of-east-crest. The finish road grade should be 2' lower than the top-of-lined-berm to allow for 24" of soil cover.
- Moretrench distributed results of a 4/25/05 Pickett take-up survey at the meeting. The survey drawing includes a summary of cut/fill quantity estimates computed by Pickett for Areas 1 through 6 for work performed by Moretrench as of 4/24/05 (i.e., volumes were computed using by comparing terrain models based on the 4/25/05 take-up survey data and the 3/2/05 Rooks topographic contours). Summation of the reported fill volumes reported by Pickett for Areas 1 through 6 indicates a total fill volume of 165,917 cy, which is 37,331cy (about 18%) less than Moretrench's in-place fill volume estimate of 203,248 cy based on their truck load count as of 4/24/05. (It is noted that Pickett also reported a total site in-place fill volume of 174,056 cy which is not consistent with the 165,917 cy total based on summation of the reported individual fill volumes for Areas 1 through 6.)

6.0 PROJECT SCHEDULE

- No workdays were lost to weather.
- Moretrench continued good progress on hauled fill. Finish grading (and subgrade compaction) in Areas 1 and 2 continued on schedule, recognizing that partial acceptances of areas have been necessitated to date in order to provide subgrade acceptable for liner deployment in a timely manner.
- Liner deployment by Comanco continued essentially on schedule.
- The schedule was last updated by Ardaman on 4/20/05 (draft 8). Projected operational and completion dates are 7/26/05 and 8/24/05, respectively; the contract completion date is 8/30/05.

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).

- Additional rebar shop drawing details (for the concrete inlet structure) were received via email by Ardaman from Moretrench on 4/26/05. The proposed details were approved in concept. Ardaman will indicate required revisions for submittal of a final record drawing.

ARDAMAN & ASSOCIATES, INC. PROGRESS MEETING REPORT FOR PINEY POINT GYPSUM STACK SYSTEM CLOSURE	File No.: 04-100A	Page 3 of 3
	Meeting Date: <u>4/28/05</u>	
	Report No: <u>8</u>	Report Date: <u>5/03/05</u>
CLOSURE CONSTRUCTION - PHASE III NGS-S COMPARTMENT LINED RESERVOIR	Project Address: 13300 U.S. Highway 41 North Palmetto, Florida 34221 Manatee County	

- Based on results of laboratory tests performed by Ardaman, the fine sand material proposed use as outlet pipe bedding by Moretrench is approved.
- A portion of the required liner manufacturer's certifications have been received by Ardaman from Comanco. A summary of outstanding submittals was provided by Ardaman in a 4/22/05 email to CDM and Comanco.

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 on 4/7/05 to CDM and Moretrench.

Quality Control Activities

- Ardaman has 6 technicians on site.
- In-place gypsum density tests: 203 tests passing, 7 failing (all on the west dike slope in Areas 3, 4 and 6), 4 pending (including 1 re-test).
- Liner roll conformance testing: tables of testing status (revision 6, dated 4/27/05) were distributed at the meeting; 80 rolls of 2-sided textured, 27 rolls of 1-sided textured, and 82 rolls of smooth liner have been conditionally approved for deployment.
- Liner seam destructive testing (DT's): 68 marked, 53 passing, 5 pending. A summary of testing status (revision 1, dated 4/27/05) was distributed at the meeting.
- Liner ballast and anchor trench gypsum compaction testing: 23 passing, 4 pending.

Miscellaneous

- Rainfall (inches) as reported by the Program Manager for this reporting period: 0.00 (April total 0.81).
- Ardaman distributed a proposed reconfiguration of Areas 5 and 6 as discussed at the 4/21/05 meeting. The revised Area 5-6 boundary is now at station 63+80, resulting in areas of 11.0 and 8.4 acres, respectively.

Acceptance of subgrade for liner deployment

- On 4/22/05, balance of Area 1 dike and pond bottom from station 21+00 to 19+00. This was the 4th and final partial acceptance of Area 1.
- On 4/22/05, Area 2 pond bottom from 75' west of east dike toe to 560' west of east dike toe. This was the 2nd partial acceptance of Area 2.

9.0 COMMENTS by PROGRAM MANAGER

- CDM distributed an updated Schedule D - Contractors' material quantity estimates for the NGS-S Compartment Reservoir closure project via email on 4/26/05 to FDEP and Ardaman.

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. CDM is awaiting information from Moretrench.
- The Receiver requested CDM to submit a water management plan for the NGS-S before the onset of the rainy season. CDM indicated they are awaiting Ardaman's forthcoming Calendar Year 2005 Operation and Water Management Plan report, and anticipated that a plan for the NGS-S should be available about 5/15/05.
- A change order will be prepared by CDM to reflect increased resin costs for liner materials; cost information was submitted by Comanco to CDM at the meeting.