

ARDAMAN & ASSOCIATES, INC. PROGRESS MEETING REPORT FOR PINEY POINT GYPSUM STACK SYSTEM CLOSURE		File No.: 04-100A	Page 1 of 3
		Meeting Date: <u>5/5/05</u>	
		Report No: <u>9</u>	Report Date: <u>5/11/05</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, Nadim Fuleihan Receiver: Louis Timchak FDEP: Sam Zamani, Phil Coram, John Coates CDM: Steve Solters, Dean Carter, Michael Cruz, Mick Edgar Moretrench: Steve Voytko, Mike Panny Comanco: 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 12, 2005 at 8:00 am

1.0 REVIEW MINUTES OF PREVIOUS MEETING

No corrections were noted.

2.0 SAFETY

No safety incidents were reported. CDM reported that the corroded steel grate at the Outfall 003 structure is being replaced for safety reasons.

3.0 SUMMARY OF WORK PERFORMED

Moretrench:

- Essentially completed hauling gypsum fill to dikes and pond bottom in Area 5. Also completed hauling soft, wet gypsum to the NGS-S cap area. Gypsum fill hauled as of 5/4/05 was reported (by truck load count estimate) as 227,263 cy (compacted-in-place).
- Continued compacting and rough grading in Areas 3, 4 and 5.
- Completed finish grading in Area 2, and started in Areas 3 and 4.
- Completed fusing the 18-inch diameter HDPE outlet pipe.
- Continued maintenance of dewatering ditches and dewatering pump.
- Water usage for compaction this report - approximately 415,000 gallons
- Equipment: 5 D-8 dozers (1 w/ripper), 4 D-6 dozers, 5 compactors, 2 backhoes, 1 long-stick backhoe, 2 water wagons, 6 dump trucks, 1 motor grader, 1 hydraulic 6" pump - 29 personnel.

Comanco:

- Completed liner installation in the east half of Area 2 and started liner installation in the west half of Area 2.
- Installed 83,784 sq ft (1.92 acres) of liner this reporting period, for a total of 729,534 sq ft (16.75 acres) as of 5/3/05.
- Equipment: 1 QC trailer, 6 generators, 3 wedges, 3 extruders, 1 backhoe, 1 dozer, 1 loader, 1 gator - 20 personnel

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4.0 PROJECTED WORK FOR NEXT WEEK

Moretrench:

- Continue compacting and rough grading Areas 3, 4 and 5, and start in Area 6.
- Continue finish grading Areas 3 and 4.
- 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 - it was anticipated Area 2 would be lined out on Wednesday, 5/11/05. See 10.0 Comments by Receiver for comments on housekeeping.

5.0 SURVEY NOTES

- Regarding the 4/25/05 take-up survey performed for Moretrench by Pickett, it was noted that the reported total site in-place fill volume of 174,056 cy is not consistent with the reported individual fill volumes for Areas 1 through 6, which total 165,917 cy. Moretrench has instructed Pickett to reconcile their calculations.
- The Area 2 west dike was as-built surveyed on 4/29/05; corrective work was re-surveyed and approved on 5/2/05.
- The Area 3 east dike and pond bottom east half were as-built surveyed on 5/3/05; results were not available at the meeting. CDM/Moretrench indicated that finish grading, compaction and as-built surveying for the west dike and west half of Area 3 should be completed by Tuesday, 5/10/05.

6.0 PROJECT SCHEDULE

- 1 workday was lost to weather.
- The schedule was last updated by Ardaman, based on actual dates for completed work, on 4/20/05 (Draft 8). CDM is encouraged to provide updated information as needed for future revisions to this Contractor's schedule. Projected operational and completion dates according to the Draft 8 schedule are 7/26/05 and 8/24/05, respectively. The contract completion date is 8/30/05.
- Moretrench continued good progress on hauled fill. Hauled fill was essentially completed in Area 5 on 4/30/05.
- Finish grading (and subgrade compaction) in Areas 1 and 2 continued essentially 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. It was estimated by Comanco that liner in Area 2 will complete about 5/11/05, versus 5/6/05 projected in the 4/20/05 schedule update.

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).

- Some liner factory certifications for liner rolls have been received Ardaman. A listing of additional certification requirements were emailed by Ardaman on 4/22/05 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, except the following revised and new drawings were distributed at the meeting: C-2, revision 1, 4/28/05; L-1, revision 1, 4/28/05; L-2, revision 0, 5/2/05, and L-3, revision 0, 5/2/05. 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.

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Quality Control Activities

- Ardaman has 6 technicians on site.
- In-place gypsum density tests: 242 tests passing, 4 failing (3 tests Area 3 pond bottom, 1 test Area 4 east dike), 11 pending.
- Liner roll conformance testing: tables of testing status (Revision 7, dated 5/4/05) were distributed at the meeting; 80 rolls of 2-sided textured, 27 rolls of 1-sided textured, and 109 rolls of smooth liner have been conditionally approved for deployment.
- Liner seam destructive testing (DT's): 79 marked, 73 passing, none pending. A summary of testing status (revision 3, dated 5/4/05) 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: 3.93 (April total 4.69, May total 0.05).
- Regarding installation of the 18" diameter outlet pipeline, the pipe will be installed adjacent to the north side of the fence line that exists along the south side of the OGS. According to a 5/1/98 site boundary survey by Clements Surveying, Inc. of Palmetto, the south fence line is offset approximately 30 feet north of the south property line. Design cross sections for the outboard berm south of the proposed lined stormwater pond to be construction in conjunction with the OGS south slope closure will be adjusted slightly to preserve the existing fence line and NGS-S outlet pipeline route. (Upon completion of the OGS slope closure work, the NGS-S outlet pipeline may be relocated to the north.)

Acceptance of subgrade for liner deployment

- On 5/2/05, Area 2 west dike and pond bottom west ½. This was the 3rd and final partial acceptance of Area 2.

9.0 COMMENTS by PROGRAM MANAGER

- CDM distributed an updated Schedule D - Contractor's Material Quantity Estimates for the NGS-S Compartment Reservoir project to the FDEP and Ardaman in a 4/26/05 email. CDM's revised quantity estimates are generally within +/- 5% of the Engineer's estimate except for non-woven geotextile. CDM requested that Comanco re-check the estimated geotextile quantity.
- Regarding the damaged 4" diameter HDPE vent pipe on the OGS-S outlet (i.e., the vent pipe buried 2 feet below grade on the west slope of the OGS-S Compartment that was inadvertently damaged by Moretrench on 4/27/05), CDM reported that the OGS-S pond level will be sufficiently drawn down in about 6 days, after which the vent can be repaired. Ardaman recommended that a valve be installed on the 4" vent pipe at the repair location.
- CDM requested that e-mails not be used by Ardaman as a means for communication. Ardaman responded that both CDM and the third-party engineer have an obligation to inform the Department in writing on significant issues as they arise, particularly those that may potentially have contractual or regulatory implications. It was agreed that e-mail communications should be dealt with constructively.

10.0 COMMENTS by FDEP and/or RECEIVER

- 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 Calendar Year 2005 Operation and Water Management Plan report. [The report was distributed by Ardaman at the CDM update meeting that followed the construction meeting.]
- A change order will be prepared by CDM to reflect increased resin costs for liner materials; additional cost information has been requested from Comanco.
- It was noted by the Receiver that liner scraps were observed during the site tour outside the limits of the NGS-S pond. Comanco was reminded that daily housekeeping is required.