

ARDAMAN & ASSOCIATES, INC. PROGRESS MEETING REPORT FOR PINEY POINT GYPSUM STACK SYSTEM CLOSURE		File No.: 04-100A	Page 1 of 3
		Meeting Date: <u>5/18/05</u>	
		Report No: <u>11</u>	Report Date: <u>5/25/05</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, Tony Deatherage, Tom Leto Receiver: Louis Timchak FDEP: Phil Coram, John Coates CDM: Steve Solters, Dean Carter, Michael Cruz, Mick Edgar, Jason Gorrie Moretrench: Steve Voytko, Mike Panny, Harley Frady Comanco: Brad DeNeve, Tom Topp, Joe Benz Compass: Vernon Giles, Chuck Icenogle (8:00 Construction Meeting)			

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 Meeting is Scheduled for Thursday, May 26, 2005
Construction/Engineering Meeting at 8:30 am

1.0 REVIEW MINUTES OF PREVIOUS MEETING

Section 8.0 Technical Clarifications - Miscellaneous, comments regarding soil materials mixed with gypsum encountered on the west side of Area 5, should have been reported as the west side of Area 6 per the new designations for Areas 5-6.

2.0 SAFETY

Comanco reported that a liner technician cut his finger on 5/17, and required first aid only. CDM advised that U.S. Filter will begin removing their equipment on 5/20/05, which will significantly increase traffic in the plant area - contractors should exercise caution.

3.0 SUMMARY OF WORK PERFORMED

Moretrench:

- Continued finish grading and compacting Area 4, and started finish grading Area 5 on 5/13/05.
- Completed installation and testing of the 18-inch HDPE outlet pipe to the 1st gate valve, and continued sand bedding and compacted gypsum backfill.
- Continued hauling gypsum fill to the NGS cap, and started hauling gypsum fill from the OGS slopes to the OGS caps on 5/13/05; gypsum fill hauled as of 5/17/05 was reported (by truck load count estimate) as 247,528 cy (compacted-in-place).
- Continued maintenance of dewatering sump and pump.
- Water usage for compaction this report - approximately 136,500 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 - 30 personnel.

Comanco:

- Continued liner deployment in Area 3 - 158,916 sq ft (3.6 acres) was installed this reporting period, 1,171,475 sq ft (26.9 acres) total as of 5/16/05. Continued detail work in Area 2.
- Equipment: 1 QC trailer, 6 generators, 3 wedges, 3 extruders, 1 backhoe, 1 dozer, 1 loader, 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>5/18/05</u>	
	Report No: <u>11</u>	Report Date: <u>5/25/05</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:

- Continue finish grading and compacting Area 4.
- Continue finish grading and start compacting Area 5.
- Continue sand bedding and compacted gypsum backfill for the 18-inch outlet pipe through the south dike.
- Start work at the concrete inlet structure.
- Continue hauling gypsum fill to the OGS caps.
- Maintain dewatering sump and pump(s).

Comanco:

- Continue liner deployment in Area 3, and detail work in Area 2. It was anticipated that liner deployment in Area 3 will be complete on 5/27/05.

5.0 SURVEY NOTES

- Moretrench/Picket staked out OGS Cap Areas.
- An as-built survey for Areas 4 is scheduled for early next week.

6.0 PROJECT SCHEDULE

- No workdays were lost to weather.
- The schedule for the NGS-S Reservoir was updated by Ardaman on 5/16/05 (draft 10) to reflect comments by CDM and its subcontractors at the 5/12/05 construction meeting. Forecast operational and completion are 7/28/05 and 8/26/05, respectively. The contract completion date is 8/30/05.
- Finish grading by Moretrench and liner deployment by Comanco continued essentially on schedule.
- A master schedule is being prepared by CDM, which will include the NGS-S Reservoir, the NGS Cap and Relief Ditch, and Slope Closure Phase 1 (OGS Caps and Slopes).

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 liner roll certifications have been received from Comanco and are being reviewed by Ardaman.

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, as distributed at the meeting, are dated 5/16/05 (various revision numbers). Electronic (ACAD) files were also distributed on CD's at the meeting. Prior drawing versions should be discarded. Drawings were also provided at the meeting for: (i) NGS-S Cap and NGS-N Relief Ditch, Revision 0 - Issued for Construction, dated 5/16/05; and (ii) Slope Closure Phase 1 (OGS Caps and Slopes), Revision 0 - Issued for Construction, dated 5/16/05.

Quality Control Activities

- Ardaman has 6 technicians on site.
- In-place gypsum density tests: 274 tests passing, 13 failing (3 on Area 6 west slope, 10 on Area 4 pond bottom), 4 pending.
- Liner roll conformance testing: tables of testing status (revision 9, dated 5/17/05) were distributed at the meeting; 122 rolls of 2-sided textured, 38 rolls of 1-sided textured (complete), and 125 rolls of smooth liner have been

ARDAMAN & ASSOCIATES, INC. PROGRESS MEETING REPORT FOR PINEY POINT GYPSUM STACK SYSTEM CLOSURE	File No.: 04-100A	Page 3 of 3
	Meeting Date: <u>5/18/05</u>	
	Report No: <u>11</u>	Report Date: <u>5/25/05</u>
CLOSURE CONSTRUCTION - PHASE III NGS-S COMPARTMENT LINED RESERVOIR	Project Address: 13300 U.S. Highway 41 North Palmetto, Florida 34221 Manatee County	

conditionally approved for deployment. Due to tensile failure of 2-sided textured roll # 108108640, it should be re-sampled for re-testing; adjacent production roll #'s 108108639 and 108108641 should also be sampled for testing.

- Liner seam destructive testing (DT's): 131 marked, 103 passing, 2 failing (#'s 84 and 110), 6 pending. A summary of testing status (revision 4, dated 5/11/05) was distributed at the meeting.
- Liner ballast and anchor trench gypsum compaction testing: 46 passing, 2 pending.
- Outlet pipe bedding: Sand density - 2 passing, 10 pending; Gypsum density - 2 passing, 4 pending

Miscellaneous

- Rainfall (inches) as reported by the Program Manager for this reporting period: 0.0 (May total 0.32).

Acceptance of subgrade for liner deployment

- None since last report.

9.0 COMMENTS by PROGRAM MANAGER

- Regarding the damaged 4" HDPE vent pipe on the OGS-S outlet, CDM reported that another week will be required to draw down the OGS-S pond level, after which the vent can be repaired. Ardaman recommended that a valve should be installed on the 4" vent pipe. The valve shall be a 4" lug style stainless steel butterfly valve meeting the requirements of Section 16.4 of the NGS-S Reservoir Specifications.
- CDM and the Receiver advised that a video tape is not available of the buried 36" RCP common outfall pipe of the former NGS spillways which is to be grouted. Ardaman requested that a video and tilt survey should be performed, as previously done for the OGS pipe by Bay Area Environmental.

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 has received Ardaman's Calendar Year 2005 Operation and Water Management Plan report, and the water management plan is in progress.
- A change order will be prepared by CDM to reflect increased resin costs for liner materials; additional cost information has been requested from Comanco.