

ARDAMAN & ASSOCIATES, INC. PROGRESS MEETING REPORT FOR PINEY POINT GYPSUM STACK SYSTEM CLOSURE		File No.: 04-100A Meeting Date: <u>6/16/05</u> Report No: <u>15</u> Report Date: <u>6/22/05</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, Tony Deatherage Receiver: _____ FDEP: _____ CDM: Michael Cruz, Steve Solters, George Curry Moretrench: Harley Frady, Steve Voytko Comanco: Brad DeNeve, Joe Benz Compass: Chuck Icenogle, Vernon Giles Guests: Don Luke (Cleanwater Technologies)		

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, June 23, 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

It was noted by Moretrench that 3 days were actually lost to weather last reporting period, counting non-productive time to restore the site to pre-weather conditions.

2.0 SAFETY

No incidents were reported.

3.0 SUMMARY OF WORK PERFORMED

Moretrench:

- Started removing the temporary cofferdam in Area 6 on 6/9/05, and hauled to the south perimeter dike; gypsum fill hauled as of 6/15/05 was reported (by truck load count estimate) as 289,132 cy (compacted-in-place).
- Water usage for compaction this report - approximately 219,000 gallons
- Equipment: 2 D-8 dozers (1 w/ripper), 3 D-6 dozers, 5 compactors, 2 backhoes, 2 water wagons, 3 dump trucks, 1 motor grader, 1 hydraulic 6" pump - 20 personnel.

Comanco:

- Continued liner deployment in Area 4 - 124,131sq ft (2.85 acres) was installed this reporting period, 1,769,810 sq ft (40.6 acres) total as of 6/14/05.
- Continued detail work in Areas 2 and 3, and repairs in Area 1.
- Equipment: 1 QC trailer, 6 generators, 3 wedges, 4 extruders, 1 backhoe, 1 dozer, 1 loader, 1 gator - 20 personnel

Compass:

Started mobilizing equipment on 6/15/05.

ARDAMAN & ASSOCIATES, INC. PROGRESS MEETING REPORT FOR PINEY POINT GYPSUM STACK SYSTEM CLOSURE	File No.: 04-100A	Page 2 of 3
	Meeting Date: <u>6/16/05</u>	
	Report No: <u>15</u>	Report Date: 6 /22/05
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4.0 PROJECTED WORK FOR NEXT WEEK

Moretrench:

- Continue finish grading and compacting Area 5, and start Area 6.
- Continue removing the temporary cofferdam in Area 6, and hauling to the south dike.
- Install silt fence and hay bales at the inlet structure.
- Change out the OGS-S outlet pipe 4-inch vent valve to stainless steel.
- Resume hauling to the OGS caps.
- Work on the slope pond is waiting on relocation of the OGS-N outlet pipe, which is presently being utilized to dewater the OGS-N pond.

Comanco:

- Continue detail work in Areas 2 and 3, and complete repairs in Area 1.
- Continue liner deployment in Area 4.
- Delivery of 8 additional rolls of 1-sided textured liner, and 3 rolls of 2-sided textured, is scheduled for this week.

Compass:

- Continue equipment mobilization.

5.0 SURVEY NOTES

- An updated take-up survey by Pickett for Moretrench was completed last month. Moretrench will provide a certified copy, and email an electronic copy to Ardaman.
- The next take-up survey is scheduled to start 6/20/05.

6.0 PROJECT SCHEDULE

- 3 workdays were lost to weather by Moretrench, 1 workday by Comanco.
- The schedule for the NGS-S Reservoir was last updated by Ardaman on 5/16/05 (draft 10). Forecast operational and completion were 7/28/05 and 8/26/05, respectively. The contract completion date is 8/30/05.
- It is estimated that the project schedule has been impacted by about 1 ½ weeks due to weather.
- CDM's preliminary master schedule, dated 5/26/05, was reviewed with Ardaman on 6/2/05. CDM was requested to provide links between activities as appropriate, and to insert milestones to indicate contract completion dates for major portions of the work.
- CDM will update the master schedule 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).

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 5/18/05 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.

ARDAMAN & ASSOCIATES, INC. PROGRESS MEETING REPORT FOR PINEY POINT GYPSUM STACK SYSTEM CLOSURE	File No.: 04-100A	Page 3 of 3
	Meeting Date: <u>6/16/05</u>	
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The width of the proposed berm along north edge of the OGS slope pond was increased from 8 to 18 feet. See revised drawings: C-3, C-7, C-8 and L-2, all revision 1, dated 6/1/05. Electronic files of the revised site grading plan (C-3) and liner plan (L-2) will be emailed to CDM.

Regarding specifications for the OGS Slopes, Top Cap Areas and NGS-N Relief Ditch, pertinent NGS-S Reservoir specifications and technical specifications previously provided on the DEP's ITN website shall be used. Specifications for corrugated HDPE pipe and fittings and aggregates in the Phase II OGS Compartment Closure Specifications, previously provided on the DEP's ITN website, shall also be used (Sections 10 and 13, respectively). A Supplemental Specification document that compiles the ITN specifications along with specifications for the HDPE panel drains will be issued shortly.

Quality Control Activities

- Ardaman has 6 technicians on site.
- In-place gypsum density tests: 357 tests passing, 10 failing (3 on Area 6 west slope, 7 on Area 5 slopes), none pending.
- Liner roll conformance testing: - **no change** - tables 3a, 3b and 3c were last updated on 6/8/05 (revision 12). All liner rolls delivered to-date (166 rolls of 2-sided textured, 38 rolls of 1-sided textured, and 176 rolls of smooth liner) have been conditionally approved for deployment.
- Liner seam destructive testing (DT's): 198 marked, 171 passing, 1 failing (#110), 8 pending. Testing status was last updated on 6/8/05 (revision 8).
- Liner ballast and anchor trench gypsum compaction testing: 89 passing, 1 failing, 2 pending.
- Outlet pipe bedding: Gypsum density - **no change** - 14 passing, none pending.

Miscellaneous

- Rainfall reported by the Program Manager for this reporting period (thru 6/13/05): 3.59" (June total 4.75").
- Plant waste materials previously disposed and buried in the OGS (identified as cooling tower packing material) were uncovered 3 weeks ago by Moretrench while grading the OGS north slope area. Moretrench will resume excavation and grading work in this area and was directed to perform a few test excavations to ascertain the aerial extent and thickness of the waste materials. If waste materials exist at design grades, the material will be over-excavated to a depth of 24 inches and replaced with compacted clean gypsum. The waste materials will be quantified, relocated, buried and covered by at least 2 feet of compacted clean gypsum at a location to be determined by the Engineer (e.g., at a specified location within the OGS-N Cap Area). Final determination of the burial area will be made once the quantity can be estimated via the planned test excavations.

Acceptance of subgrade for liner deployment

- On 6/10/05, balance of Area 4 pond bottom.

9.0 COMMENTS by PROGRAM MANAGER

- A change order by CDM to reflect increased resin costs for liner materials, was reviewed by Ardaman and forwarded to FDEP.
- A water management plan for the NGS-S is in progress.
- A meeting was scheduled after the construction meeting to discuss CDM's revised proposed plans for pipe movements, and plans for lime treatment sludge disposal management in the NCP.

10.0 COMMENTS by FDEP and/or RECEIVER

FDEP and the Receiver were not represented at the meeting.