

ARDAMAN & ASSOCIATES, INC. PROGRESS MEETING REPORT FOR PINEY POINT GYPSUM STACK SYSTEM CLOSURE		File No.: 04-100A Meeting Date: <u>6/9/05</u> Report No: <u>14</u> Report Date: <u>6/13/05</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 Moretrench: Harley Frady, Steve Voytko Comanco: Brad DeNeve Compass: Chuck Icenogle		

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 16, 2005
 Construction/Engineering Meeting at 9:00 am***

1.0 REVIEW MINUTES OF PREVIOUS MEETING

No corrections were noted.

2.0 SAFETY

Moretrench reported 1 incident of heat exhaustion which occurred on 6/7. CDM reminded Contractors that US Filter will still be demobilizing for the next 2 to 3 weeks; caution should be exercised when traveling by the Plant.

3.0 SUMMARY OF WORK PERFORMED

Moretrench:

- ! Completed re-work on the Area 4 slopes.
- ! Continued hauling gypsum fill from the OGS slopes to the OGS Cap Areas; gypsum fill hauled as of 6/8/05 was reported (by truck load count estimate) as 270,706 cy (compacted-in-place).
- ! Continued maintenance of dewatering sump and pump.
- ! Completed testing of the outlet pipe on 6/8/05.
- ! Repaired the damaged 24" HDPE pipelines in the OGS Cap Areas
- ! Repaired the damaged 4" HDPE vent pipe on the OGS-S outlet. ***See Technical Items - Miscellaneous regarding replacement of the 4-inch valve.***
- ! Water usage for compaction this report - approximately 51,500 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:

- ! Started liner deployment in Area 4 on 6/8/05 - 41,010 sq ft (0.9 acres) was installed this reporting period, 1,645,679 sq ft (37.8 acres) total as of 6/8/05.
- ! Continued detail work in Areas 2 and 3, and started repairs in Area 1.
- ! Equipment: 1 QC trailer, 6 generators, 3 wedges, 4 extruders, 1 backhoe, 1 dozer, 1 loader, 1 gator - 20 personnel

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Compass:

No work this report.

4.0 PROJECTED WORK FOR NEXT WEEK

Moretrench:

- ! Continue finish grading and compacting Area 5.
- ! Continue backfilling the outlet pipe excavation.
- ! Start removing the temporary cofferdam in Area 6.
- ! Continue hauling gypsum fill to the OGS Caps and start work on the OGS slope pond.
- ! Start removing the RLCS pipe at the OGS northwest ramp.
- ! Maintain dewatering sump and pump(s).

Comanco:

- ! Continue detail work in Areas 2 and 3, and 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 next week.

Compass:

- ! Compass indicated that they would like to start amending and hydroseeding gypsum slopes as soon as possible, preferably before 7/25/05 as indicated on CDM's master schedule. CDM will review with Moretrench.

5.0 SURVEY NOTES

- ! An updated take-up survey by Pickett for Moretrench has been completed. Moretrench will provide a certified copy, and email an electronic copy to Ardaman.
- ! Moretrench provided a copy of survey data for settlement benchmarks surveyed by Pickett on 5/9/05.

6.0 PROJECT SCHEDULE

- ! 2 workdays were lost to weather.
- ! The schedule for the NGS-S Reservoir was last updated by Ardaman on 5/16/05 (draft 10). Forecast operational and completion are 7/28/05 and 8/26/05, respectively. The contract completion date is 8/30/05.
- ! Liner deployment by Comanco was started in Area 4 on 6/8/05, about 1 week behind schedule.
- ! Overall, it was estimated that the project schedule has been impacted by about 1 week 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 distributed a revised schedule (dated 6/9/05) for activities related to the NGS-S Reservoir and OGS Caps. CDM was requested to email an electronic copy to Ardaman.

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 indicated that they have submitted product data for 10-inch corrugated HDPE pipe to Ardaman for review and approval.

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- ! ***It was noted the OGS-N outlet vent 4-inch valve's external parts are ductile iron, which is not resistant to corrosion when buried in gypsum. Ardaman indicated that the valve should be 316 stainless, both wetted and external parts.***

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.

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: **no change** - 341 tests passing, 10 failing (2 on OGS-N cap, 3 on Area 6 west slope, 5 on Area 5 slopes), none pending.
- ! Liner roll conformance testing: tables 3a, 3b and 3c were updated (revision 12, dated 6/8/05) and distributed at the meeting. All liner rolls (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): 175 marked, 170 passing, 1 failing (#110), none pending. A summary of testing status (revision 8, dated 6/8/05) was distributed at the meeting.
- ! Liner ballast and anchor trench gypsum compaction testing: 83 passing, 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 6/6/05): 1.16" (June total 1.16").
- ! Plant waste materials previously disposed and buried in the OGS (identified as cooling tower packing material) were uncovered last week 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 6/7/05, Area 4 east and west slopes, and the floor 75' out from each toe.

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9.0 COMMENTS by PROGRAM MANAGER

- ! A change order is in progress by CDM to reflect increased resin costs for liner materials; the proposed change order will be reviewed with Ardaman and FDEP.

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.