

ARDAMAN & ASSOCIATES, INC. PROGRESS MEETING REPORT FOR PINEY POINT GYPSUM STACK SYSTEM CLOSURE		File No.: 04-100A Meeting Date: <u>6/23/05</u> Report No: <u>16</u> Report Date: <u>6/27/05</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, Nadim Fuleihan, Tom Leto, Rob Werner Receiver: FDEP: John Coates, Sam Zamani CDM: Michael Cruz, Steve Solters, Dean Carter Moretrench: Harley Frady, Steve Voytko Comanco: Brad DeNeve Compass: Chuck Icenogle, Vernon Giles, Tom McSweeney		

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
 Compass: Tom McSweeney, Chuck Icenogle, Vernon Giles

***Next Meeting is Scheduled for Thursday, June 30, 2005
 Construction/Engineering Meeting at 9:00 am
 Followed by Project Scheduling Meeting at 10:00 am***

1.0 REVIEW MINUTES OF PREVIOUS MEETING

No corrections were noted.

2.0 SAFETY

No incidents were reported.

3.0 SUMMARY OF WORK PERFORMED

Moretrench:

- Completed removal of the temporary cofferdam in Area 6 on 6/22/05, and hauled to the south perimeter dike and OGS-N cap; gypsum fill hauled as of 6/15/05 was reported (by truck load count estimate) as 304,426 cy (compacted-in-place).
- Installed silt fence and hay bales at the inlet structure.
- Changed out the OGS-S outlet pipe 4-inch vent valve to stainless steel.
- Water usage for compaction this report - approximately 284,000 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 - 344,632sq ft (7.9 acres) was installed this reporting period, 2,114,442 sq ft (48.5 acres) total as of 6/21/05.
- Continued detail work in Areas 2 and 3, and completed repairs in Area 1.
- Received 8 additional rolls of 1-sided textured liner, and 4 rolls of 2-sided textured.
- Equipment: 1 QC trailer, 6 generators, 3 wedges, 4 extruders, 1 backhoe, 1 dozer, 1 loader, 1 gator - 20 personnel

Compass:

Continued mobilizing equipment.

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4.0 PROJECTED WORK FOR NEXT WEEK

Moretrench:

- Continue finish grading and compacting Areas 5 and 6.
- Continue removing excess material from Area 6.
- Relocate the OGS-N outlet pipe, and resume work on the OGS slope pond.
- Remove the 24" RLCS pipe spool at the OGS northwest corner, and replace with 24" HDPE.

Comanco:

- Continue detail work in Areas 2 and 3.
- Continue liner deployment in Area 4 (should complete on 6/23/05), and start deployment in Area 5, pending subgrade acceptance.

Compass:

- Continue equipment mobilization.

5.0 SURVEY NOTES

- Updated take-up surveys were completed by Pickett for Moretrench on 5/27/05 and 6/20/05, and were provided to Ardaman at the meeting. An electronic copy was also received by Ardaman for the 5/27/05 survey; Moretrench reported that an electronic copy of the 6/20/05 was sent on the day of the meeting.

6.0 PROJECT SCHEDULE

- No workdays were lost to weather by Moretrench, 1 workday by Comanco.
- CDM distributed an updated schedule, dated 6/22/05, for work on the NGS-S closure construction, the OGS caps, the NGS-N cap, and the NGS-N relief ditch. Forecast operational date for the NGS-S lined reservoir is 8/11/05, versus 7/28/05 when last updated by Ardaman on 5/16/05 (draft 10); contract completion date for this portion of the work is 8/31/05. The CDM schedule indicates soil cover commencing on 7/5/05. It was noted that the schedule reflects the CDM/Compass proposal that soil cover on the lined crest of the NGS-S west dike be placed in conjunction with the NGS-S slope cover (rather than as an independent activity as originally scheduled (see detail 14, drawing D-3). Ardaman expressed several concerns and reservations regarding starting the soil slope cover work prior to completion and acceptance of the entire lined NGS-S pond, and regarding undertaking the work during the rainy season.
- CDM will update the schedule next meeting for review with its subcontractors and Ardaman. Ardaman suggested that some activities for this year's construction, such as soil cover installation, should be expanded to show more detail, and requested that predecessor and successor columns be added to the print-out.

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 submitted product data for 6-inch corrugated HDPE pipe, geotextile, geocomposite and silica gravel on 6/17/05, proposed for use in the toe drains. A sample of silica gravel was also submitted and is being tested by Ardaman.
- Compass indicated that their proposed borrow source for initial soil cover materials is stockpiles located on the Gulfstream property. A submittal by Compass for the borrow material is in progress.

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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-S Reservoir are dated 5/16/05 (various revision numbers). Current drawings for the NGS-S Cap and NGS-N Relief Ditch, and Phase 1 Slope Closure (OGS Caps and Slopes), Revision 0 - Issued for Construction, are dated 5/16/05. Slope Closure drawings C-3, C-7, C-8 and L-2 were subsequently revised to Rev. 1, dated 6/1/05. Electronic files of the revised site grading plan (C-3) and liner plan (L-2) were emailed to CDM on 6/10/05. [These files were re-transmitted in an email to CDM on 6/27/05].

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.

Quality Control Activities

- Ardaman has 6 technicians on site.
- In-place gypsum density tests: 398 tests passing, 13 failing (3 on Area 6 west slope, 4 on Area 5 bottom, 6 on Area 5 slopes), 10 pending.
- Liner roll conformance testing: tables 3a, 3b and 3c were updated (revision 13, dated 6/22/05) and distributed at the meeting; 166 rolls (no change) of 2-sided textured, 44 rolls (38 last report) of 1-sided textured, and 176 rolls (no change) of smooth liner have been conditionally approved for deployment.
- Liner seam destructive testing (DT's): 225 marked, 194 passing, 1 failing (#110 was capped, DT to be taken), 12 pending. A summary of testing status (revision 10, dated 6/22/05) was distributed at the meeting.
- Liner ballast and anchor trench gypsum compaction testing: 100 passing, 1 failing (Area 4 east slope), 4 pending.
- Outlet pipe bedding: Gypsum density -18 passing, none pending - **testing is complete for the outlet pipe bedding.**

Miscellaneous

- Rainfall reported by the Program Manager for this reporting period (thru 6/20/05): 0.0" (June total 4.75")
- Plant waste materials previously disposed and buried in the OGS (identified as cooling tower packing material) were uncovered 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.

Acceptances

- Subgrade for liner deployment: None since last report.
- Liner: Area 1 on 6/21/05.

9.0 COMMENTS by PROGRAM MANAGER

- A change order for increased liner resin costs was forwarded to FDEP for approval.
- Ardaman met with CDM on 6/16/05 to review CDM's proposed plans for pipe movements (revised 6/14/05).
- Management of the NCP for lime treatment sludge disposal will be discussed at the Program Manager's meeting.

10.0 COMMENTS by FDEP and/or RECEIVER

The Receiver was not represented at the meeting. No comments by FDEP.