

ARDAMAN & ASSOCIATES, INC. PROGRESS MEETING REPORT FOR PINEY POINT GYPSUM STACK SYSTEM CLOSURE		File No.: 05-110A	Page 1 of 3
		Meeting Date: <u>7/14/05</u>	
		Report No: <u>19</u>	Report Date: <u>7/20/05</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
<u>ATTENDEES:</u> Ardaman: John Cameron, Tony Deatherage, Rob Werner Receiver: _____ FDEP: _____ CDM: Michael Cruz, Steve Solters, Dean Carter Moretrench: Steve Voytko, Harley Frady Comanco: Brad DeNeve Compass: Chuck Icenogle, Vernon Giles			

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: Chuck Icenogle, Vernon Giles, Tom McSweeney

Next Meeting is Scheduled for Thursday, July 21, 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

Regarding Moretrench's production log, it was noted that gypsum indicated as being hauled to the NGSS was actually hauled to the NGS-S Cap. Moretrench was requested to correct the production log.

2.0 SAFETY

No incidents were reported.

3.0 SUMMARY OF WORK PERFORMED

Moretrench:

- Hauled excess material from NGS-S Reservoir Area 6 to the OGS Caps and OGS Slope Pond; gypsum fill hauled as of 7/12/05 was reported (by truck load count estimate) as 319,483 cy (compacted-in-place).
- Started rough grading at the OGS Slope Pond.
- Completed corrective work to finish grade in Area 5, except the infiltration drain ditches are still to be excavated.
- Continued grading and compacting Area 6 pond bottom and dike crest.
- Continued site dewatering as needed; prepared for Hurricane Dennis.
- Completed installation of 24" HDPE pipe at the road crossing (replacement for the RLCS pipe at the northwest corner of the OGS), and connected the 24" HDPE pipeline to enable CDM to pump into the OGS-S pond if needed.
- Backfilled the vent pipe and 4" valve (in sand) of the OGS-S Compartment outlet pipe on the west slope of the OGS.
- Ordered 20" HDPE pipe and HDPE inlets for the OGS Cap ponds - anticipated delivery is 2 to 3 weeks.
- Water usage for compaction this report - approximately 182,000 gallons
- Equipment: 1 D-8 dozer, 3 D-6 dozers, 5 compactors, 1 backhoe, 2 water wagons, 3 dump trucks, 1 motor grader, 1 hydraulic 6" pump - 20 personnel.

Comanco:

- Started liner deployment in Area 5 on 7/7/05 - 110,677 sq ft (2.6 acres) was deployed since last report; liner installed to-date (as of 7/13/05) is 2,294,518 sq ft (52.7 acres).

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- Continued liner detail work in Areas 3 and 4.
- Received 40 rolls of 60-mil textured liner for the OGS Caps and Slope Pond.
- Equipment: 1 QC trailer, 6 generators, 3 wedges, 4 extruders, 1 backhoe, 1 dozer, 1 loader, 1 gator - 20 personnel

Compass:

- Continued mobilizing equipment; 2 dump trucks, 1 loader and 1 water truck have been mobilized to date.

4.0 PROJECTED WORK FOR NEXT WEEK

Moretrench:

- Continue finish grading and compacting Area 6, and start excavating ditches on the pond bottom.
- Continue work on the OGS Slope Pond.

Comanco:

- Continue liner detail work in Areas 3 and 4, and start detail work in Area 5.
- Continue liner deployment in Area 5.
- 15 additional rolls of 60-mil textured liner are scheduled for delivery on 7/14/05.

Compass:

- Continue equipment mobilization.

5.0 SURVEY NOTES

- Corrective work in Area 5 was surveyed by Pickett for Moretrench of 7/13/05.

6.0 PROJECT SCHEDULE

- 1 workday was lost to weather by Moretrench, none by Comanco.
- CDM distributed an updated schedule, dated 7/14/05, for work already underway and work planned to start this calendar year. Forecast completion date for the NGS-S Reservoir is 8/22/05. Regarding soil fill work by Compass, while the updated schedule forecasts that this work will start 8/15/05 at the OGS lined Caps, it was noted at the meeting that this start date is contingent on completion of subgrade compaction, finish grading, procurement and installation of the fabricated HDPE inlet structures and liner installation. It was agreed that a start date of 8/22/05 is probably more realistic.
- CDM was requested to provide electronic copies of schedule updates 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's submittal 008 for 6-inch corrugated HDPE pipe, proposed for use in the toe drains, was approved as noted by Ardaman via email on 7/1/05.
- Moretrench's submittal 009 for non-woven geotextile, proposed for use in the toe drains, was approved as submitted by Ardaman via email on 7/1/05, contingent on conformance testing of samples to be taken in the field.
- Moretrench's submittal 010A for geonet/geotextile composite, proposed for use in the toe drains, was provided to Ardaman at the meeting.

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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-N 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 Revision 1, dated 6/1/05.

Drawings D-2, D-3, D-4, D-5, all revision 0 and marked "Preliminary", dated 6/14/05, for stormwater inlet and outlet structures in the OGS Caps and slope pond, were issued on 7/7/05.

Regarding specifications for the OGS Slopes, Top Cap Areas and NGS-N Relief Ditch, pertinent NGS-S Reservoir, Phase II OGS Compartment Closure and ITN specification documents shall be used. Pertinent specification sections from the Phase II and ITN sources, along with specifications for HDPE panel drains and concrete erosion control mats, were issued in a preliminary supplemental specification document (Sections 24, 25, 26, 27, 28, 29 and 30, all revision 0, dated 7/6/05) at the meeting on 7/7/05.

Quality Control Activities

- Ardaman has 5 technicians on site.
- In-place gypsum density tests: 440 tests passing, none failing, 2 pending.
- Liner roll conformance testing: tables 3a, 3b and 3c were last updated on 6/29/05 (revision 14) - 170 rolls of 2-sided textured [including approval of 4 additional rolls which were pending], 46 rolls of 1-sided textured, and 176 rolls of smooth liner have been conditionally approved for deployment.
- Liner seam destructive testing (DT's): 247 marked, 232 passing (including cap welds at DT-218), none failing, none pending. A summary of testing status was updated on 7/13/05 (revision 12) and was provided at the meeting.
- Liner ballast and anchor trench gypsum compaction testing: 114 passing, 1 failing (Area 5 south crest); a re-test is pending.

Miscellaneous

- Rainfall reported by the Program Manager for this reporting period (through 7/11/05): 2.81" (July total 3.16").
- In-progress revised drawings for the OGS Slopes, NGS-S Cap and Relief Ditch were presented and discussed by Ardaman. As discussed, design grades in some areas are being revised to balance gypsum cut and fill quantities based on reevaluation of actual settlement and shrinkage based primarily on results of the 6/20/05 take-up survey (and additional slope survey points taken on 7/1/05) by Pickett for Moretrench. Revised drawing sets, including additional surface drainage and seepage collection drain details, will be issued.

Acceptances

- Subgrade for liner deployment: Area 5 - corrective work was approved on 7/13/05, except the drainage ditches are still to be excavated and surveyed.

9.0 COMMENTS by PROGRAM MANAGER

Compass provided a Material Handling Plan for Gulfstream soil stockpiles and proposed borrow excavation areas, dated 7/13/05, at the meeting.

10.0 COMMENTS by FDEP and/or RECEIVER

FDEP and the Receiver were not represented at the meeting.