

ARDAMAN & ASSOCIATES, INC. PROGRESS MEETING REPORT FOR PINEY POINT GYPSUM STACK SYSTEM CLOSURE		File No.: 05-110A Meeting Date: <u>8/4/05</u> Report No: <u>22</u> Report Date: <u>8/9/05</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, Rob Werner, Tony Deatherage Receiver: Louis Timchak FDEP: John Coates, Sam Zamani CDM: Michael Cruz, Dean Carter, Steve Solters, Mick Edgar 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, August 11, 2005
 Construction/Engineering Meeting at 9:00 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:

- Continued cut/fill at the OGS slope pond; hauled excess gypsum fill to the NGS-S Cap; gypsum fill hauled since last report was reported at 7,829 cy (by truck load count estimate), 343,899 cy (compacted-in-place) total as of 8/3/05.
- Continued grading and compacting Area 6 pond bottom and dikes, and started removing the access ramp at the southwest corner.
- Began rough grading for pipe relocation to the NGS-N southwest corner.
- Water usage for compaction this report - approximately 255,500 gallons.
- Received 20" HDPE pipe for the OGS Cap and slope ponds.
- Equipment: 2 D-8 dozers, 3 D-6 dozers, 3 compactors, 1 backhoe, 1 water wagon, 3 dump trucks, 1 motor grader, 1 hydraulic 6" pump - 17 personnel. Demobilized 1 compactor and added 1 compactor since last report.

Comanco:

- Continued liner deployment in Areas 5 and Area 6 - 100,927 sq ft (2.3 acres) was deployed since last report; liner installed to-date (as of 8/2/05) is 2,777,837 sq ft (63.8 acres).
- Continued liner detail work in Areas 3, 4 and 5.
- Poured concrete apron at outlet structure on 8/1/05.
- Equipment: 1 QC trailer, 6 generators, 3 wedges, 4 extruders, 1 backhoe, 1 dozer, 1 loader, 1 gator - 28 personnel

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Compass:

- Continued improvements to haul roads.
- Continued segregating and screening soil stockpiles.
- Continued mobilizing equipment - added 1 dozer since last report.
- Equipment: 2 dump trucks, 1 loader, 1 water truck, 1 motor grader, 1 backhoe, 2 dozers, and 1 Trommel power screen - 3 operators

4.0 PROJECTED WORK FOR NEXT WEEK

Moretrench:

- Continue finish grading and compacting Area 6, and removing the access ramp.
- Continue work on the OGS Caps and slope pond.
- Start grading the OGS-S south and west slopes.
- Anticipated delivery of HDPE inlets for the OGS Cap and slope ponds is 8/12/05 - see 6.0 Project Schedule for more on material delivery schedules.

Comanco:

- Continue liner deployment in Areas 5 and 6.
- Continue liner detail work in Areas 3, 4 and 5, and start Area 6
- Repair erosion damage at the diagonal drainage ditch - see 8.0 Technical Items - Miscellaneous for more.

Compass:

- Continue equipment mobilization - will add a second power screen.
- Continue haul road improvements.
- Continue segregating and screening soil stockpiles.

5.0 SURVEY NOTES

- Area 6 (partial) as-built was surveyed by Pickett for Moretrench on 8/2/05.
- Moretrench provided an electronic copy of Pickett's 7/20/05 take-up survey to Ardaman.

6.0 PROJECT SCHEDULE

- 1 ½ workdays were lost by Comanco to weather this reporting period; none by Moretrench.
- Moretrench provided a Material Delivery Schedule, dated 8/3/05, for HDPE inlets, drain pipes and fittings, valves, etc., which they are providing for the closure project.
- The project schedule was updated by CDM on 8/4/05. Due to a link error, the forecast completion date for the NGS-S Reservoir liner is incorrectly indicated as 8/9/05 - it remains unchanged at 8/22/05.
- Completion of the OGS Caps, including soil fill, may be delayed, due to late delivery (presently 8/12/05) of the HDPE inlets - forecast start of soil fill is now 8/26/05 at the OGS South Cap.
- It was noted that the prior version of the CDM schedule (distributed via a 7/29/05 email "Updated Piney Point Correction based on Compass Comments") incorporated significant changes in the proposed sequence for soil cover construction which are also included in the 8/4/05 update. In particular, the start date for soil cover construction in the NGS-S reservoir was advanced about a month earlier than portrayed in schedules prior to the 7/29/05 corrected version and the soil cover on the NGS-S Cap liner was postponed. The FDEP and Ardaman requested that in the future, substantial changes such as these be highlighted for easy identification and discussed as appropriate. A discussion regarding the proposed soil cover construction sequence change was undertaken at the 8/4/05 CDM update/operations meeting. Further discussions are scheduled.

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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 a concrete mix design (Cemex mix no. 96100, dated 7/27/05), proposed for grouting the 36" outfall pipe; a grouting plan will follow.
- Moretrench submitted product data sheets for AdvanEDGE panel drains and geotextile for use in the soil cover atop the OGS Cap ponds and slope pond, and the NGS cap pond.

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). Updated drawing sets and CD's were distributed for construction at the 7/21/05 meeting for the NGS-S Cap and NGS-N Relief Ditch, dated 7/19/05 (various revision numbers), and for Phase I Slope Closure (OGS Caps, Slopes and Ditches) dated 7/19/05 (various revision numbers).

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 specification document (Sections 24, 25, 26, 27, 28, 29 and 30, all revision 0, dated 7/6/05) on 7/7/05.

Quality Control Activities

- Ardaman has 6 technicians on site.
- In-place gypsum density tests: 471 tests passing, none failing, 7 pending.
- Liner roll conformance testing table 1A for 60-mil 2-sided textured liner was updated on 8/3/05 (revision 2), and was distributed at the meeting - 27 rolls of liner (of 55 total) have been conditionally approved for deployment.
- Liner seam destructive testing (DT's): 301 marked, 261 passing, none failing, 22 pending. A summary of testing status was updated on 8/3/05 (revision 14) and was distributed at the meeting.
- Liner ballast and anchor trench gypsum compaction testing: 136 passing, none failing, 4 pending.

Miscellaneous

- Rainfall - will be updated next report.
- Reconciliation of Comanco pay quantities for liner is complete; Reconciliation of Moretrench pay quantities for gypsum cut and fill is in progress as is reconciliation of Compass pay quantities for soil fill and grassing.
- The Program Manager agreed to remove soil and organics from the liner at the north corner of the OGS-S pond.
- It was noted that erosion damage occurred under the liner at the diagonal drainage ditch in Areas 5-6 and will need to be repaired. The repair procedure was reviewed by Ardaman and Comanco in the field.

Acceptances

- Area 6 partial on 7/28: triangle area between the drainage ditches.
- Area 6 partial on 8/2: west slope from station 6+40 to 2+40, and pond bottom from the toe of slope to Area 5.

9.0 COMMENTS by PROGRAM MANAGER

- No comments.

10.0 COMMENTS by FDEP and/or RECEIVER

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- No comments.