

ARDAMAN & ASSOCIATES, INC. PROGRESS MEETING REPORT FOR PINEY POINT GYPSUM STACK SYSTEM CLOSURE		File No.: 05-110A Meeting Date: <u>8/11/05</u> Report No: <u>23</u> Report Date: <u>8/17/05</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: FDEP: John Coates CDM: Michael Cruz, Dean Carter, Steve Solters 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 18, 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

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 gypsum fill to the NGS-S Cap; estimated gypsum fill hauled since last report: 4,807 cy (by truck load count estimate), 348,706 cy (compacted-in-place) total as of 8/10/05.
- Completed grading and compacting Area 6 pond bottom and dikes, including removal of the access ramp at the southwest corner.
- Completed rough grading for pipe relocation to the NGS-N southwest corner.
- Started grading the OGS-S south and west slopes.
- Started demolition of the former NGS-N spillway structure.
- Water usage for compaction this report - approximately 295,000 gallons.
- Equipment: 3 D-8 dozers, 3 D-6 dozers, 3 compactors, 2 backhoes, 2 water wagons, 3 dump trucks, 1 motor grader, 1 hydraulic 6" pump - 17 personnel. Added 1 D-8 dozer and 1 backhoe since last report.

Comanco:

- Continued liner deployment in Area 5 (complete) and Area 6 - 221,116 sq ft (5.1 acres) was deployed since last report; liner installed to-date (as of 8/9/05) is 2,998,953 sq ft (68.8 acres).
- Continued liner detail work in Areas 3, 4 and 5, and started Area 6, including liner repair due to erosion damage at the diagonal drainage ditch..
- 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, 1 power screen, 1 backhoe and 1 dump truck since last report.
- Equipment: 3 dump trucks, 1 loader, 1 water truck, 1 motor grader, 2 backhoes, 2 dozers, and 2 power screens - 3 operators

4.0 PROJECTED WORK FOR NEXT WEEK

Moretrench:

- Continue work on the OGS Caps and slope pond.
- Continue grading the OGS-S south and west slopes.
- Continue demolition of the former NGS-N spillway structure; grouting of the NGS spillway 36-inch RCP discharge pipes is tentatively scheduled for Saturday, 8/20/05.
- Anticipated delivery of HDPE inlets for the OGS Cap and slope ponds is 8/12/05; will start installation of the inlets and pipes.

Comanco:

- Complete liner deployment in Area 6.
- Continue liner detail work in Areas 3, 4, 5 and 6; including repairs at the diagonal drainage ditch.

Compass:

- Continue equipment mobilization.
- Continue haul road improvements.
- Continue segregating and screening soil stockpiles.

5.0 SURVEY NOTES

- Area 6 (remainder) was as-built surveyed by Pickett for Moretrench on 8/10/05 - the survey was provided at the meeting and approved by Ardaman.

6.0 PROJECT SCHEDULE

- 1 workday was lost by Comanco to weather this reporting period; none by Moretrench or Compass.
- The project schedule was updated by CDM on 8/11/05. 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.
- See 10.0 Comments by FDEP for more.

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 of concrete mix design CEMEX mix no. 96100, dated 7/27/05, proposed for grouting the 36" outfall pipe, was approved at the meeting, subject to submittal, review and approval of a grouting plan.
- Moretrench's submittal of 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, was approved at the meeting, subject to corrected data for the fabric.

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- Moretrench submittal 013, dated 8/9/05, of product data sheets for PolyPipe PE 3408 pipe and fittings, proposed for use in construction of elements of the OGS Slope Closure and NGS-S Cap and NGS-N Relief Ditch, was approved by email on 8/10/05.
- Moretrench submittal 014, date 8/9/05, of product data sheets for 12-inch and 24-inch butterfly valves, proposed for use on the NGS-N Relief Ditch and OGS Slope Ditch discharge pipes, was approved by email on 8/10/05.
- Comanco's submittal of concrete mix design CEMEX mix no. 95313, dated 8/9/05, proposed for the NGS-S concrete apron, was approved at the meeting.
- Comanco's proposed liner panel layout drawing, submitted on 8/8/05, proposed for the OGS Cap and Slope ponds, is being reviewed.

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). 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). Updated drawing sets and CD's for construction were also distributed at the 7/21/05 meeting for the Phase I Slope Closure (OGS Caps, Slopes and Ditches, and NGS-N West Ditch) 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: 489 tests passing, 2 failing (NGS-S Cap), none pending.
- Liner roll conformance testing table 1A for 60-mil 2-sided textured liner was updated on 8/10/05 (revision 3), and was distributed at the meeting - 45 rolls of liner (of 55 total) have been conditionally approved for deployment.
- Liner seam destructive testing (DT's): 322 marked, 282 passing, 1 failing (DT-293; 120' of this seam will be capped), 5 pending. A summary of testing status was updated on 8/10/05 (revision 15) and was distributed at the meeting.
- Liner ballast and anchor trench gypsum compaction testing: 146 passing, none failing, none pending.

Miscellaneous

- Rainfall will be updated next report.
- Reconciliation of Comanco pay quantities for liner is complete - Comanco will use Ardaman numbers; 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 quantities.
- Removal of soil and organics from the liner at the north corner of the OGS-S pond is in progress by the Program Manager.

Acceptances

- None since last report.

9.0 COMMENTS by PROGRAM MANAGER

- A change order is in progress for changes in liner quantities.

10.0 COMMENTS by FDEP and/or RECEIVER

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- FDEP requested Ardaman, CDM and Contractors to attend a meeting following the construction meeting to discuss scheduling issues.