

ARDAMAN & ASSOCIATES, INC. PROGRESS MEETING REPORT FOR PINEY POINT GYPSUM STACK SYSTEM CLOSURE		File No.: 05-110A	Page 1 of 4
		Meeting Date: <u>10/6/05</u>	
		Report No: <u>31</u>	Report Date: <u>10/11/05</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, Rob Werner Receiver: _____ FDEP: _____ CDM: Dean Carter, Steve Solters, Mike Cruz Moretrench: Mike Panny, Harley Frady, Steve Voytko 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, Dragan Milosavljevic, Brad DeNeve
Compass: Chuck Icenogle, Vernon Giles, Tom McSweeney

Next Meeting is Scheduled for WEDNESDAY, October 12, 2005
Site Tour at 8:00 am followed by
Construction/Engineering & CDM Operations Meetings

1.0 REVIEW MINUTES OF PREVIOUS MEETING

No corrections were noted.

2.0 SAFETY

- ! A leaking tank of sodium thiosulfate (a mild reductant, 10% solution?) has been roped off and bermed by CDM. Construction traffic should exercise caution in this area.

3.0 SUMMARY OF WORK PERFORMED

Moretrench:

- ! Hauled fill from the OGS slope pond north ditch to the NGS-S Cap and to the OGS west slope; 11,689 cy was hauled this report, 420,333 cy total as of 10/5/05 (compacted-in-place based on truck load count estimate). Also hauled soil from the OGS south ditch to stockpile. It was noted that the hauled fill cy estimate includes soil fill which has been stockpiled at various times since 8/12/05.
- ! Continued finish grading and compacting the OGS Slope Pond.
- ! Continued rough grading and compacting the NGS-N Relief Ditch.
- ! Continued grading the OGS west slope.
- ! Process Water usage this report - approximately 665,500 gallons.
- ! Equipment: 4 D-8 dozers, 4 D-6 dozers, 6 compactors, 3 backhoes, 2 water wagons, 5 dump trucks, 1 motor grader - 27 personnel. One (1) backhoe was demobilized since last report.

Comanco:

- ! Completed liner deployment at the OGS-S Cap on 10/5/05; 419,500 sf (9.63 acres) was installed at the OGS Cap ponds as of 10/4/05. Also started detail work at the OGS-S Cap.
- ! Equipment: 1 QC trailer, 6 generators, 3 wedges, 3 extruders, 1 backhoe, 1 loader, 1 gator - 18 personnel.

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Compass:

- ! Continued haul road improvements and dust control.
- ! Continued segregating and screening soil stockpiles.
- ! Started installation of ditch culvert and access ramp on the east side of the NGS-S.
- ! Obtained soil samples at the Gulfstream II proposed borrow area.
- ! Equipment: 5 dump trucks, 1 water wagon, 1 loader, 3 backhoes, 3 dozers, and 2 power screens, 2 compactors, 2 motor graders, 1 forklift - 8 operators. Mobilized 1 additional backhoe and 1 forklift since last report.

4.0 PROJECTED WORK FOR NEXT WEEK

Moretrench:

- ! Continue work on the OGS west slope and ditch.
- ! Continue finish grading the OGS Slope Pond.
- ! Continue work on the NGS-N Relief Ditch.
- ! Continue hauling soil from the OGS south ditch to stockpile.

Comanco:

- ! Continue detail work at the OGS-S Cap.
- ! Start liner deployment at the OGS Slope Pond, pending subgrade acceptance. See 6.0 Project Schedule for comments regarding gypsum amendment and sod installation scheduled for the slope area between the OGS-N Cap and OGS Slope Pond before liner deployment in the Slope Pond.
- ! Shipment of 3 truck loads of 40-mil liner for the NGS-S Cap is anticipated next week.

Compass:

- ! Continue haul road improvements and dust control.
- ! Continue segregating and screening soil stockpiles.
- ! Continue installation of ditch culvert and access ramp on the east side of the NGS-S Cap.

5.0 SURVEY NOTES

- ! A take-up survey was performed by Pickett for Moretrench on 9/20-21/05 - hard copies of the results were provided at the meeting; Ardaman requested an electronic (ACAD) copy.
- ! A compliance as-built survey was performed by Pickett on 10/5/05 for Moretrench in the OGS Slope Pond. Re-surveying will be required after modification of the south pond's north edge - see 8.0 Technical Items/Clarifications for more.

6.0 PROJECT SCHEDULE

- ! 2 workdays were lost by Comanco this reporting period to weather (rain), 1 day by Compass, none by Moretrench.
- ! The project schedule (condensed version) was updated by CDM on 10/6/05 and was distributed at the meeting. The schedule was updated to reflect construction progress to date, and to re-schedule soil cover as requested by FDEP last meeting - OGS-S first, followed by OGS-N, then NGS-S, and NGS-N last.
- ! Compass elected to delay start of soil cover placement in the OGS Caps until the OGS-S Cap is accepted, which is presently scheduled to occur about 10/13/05.
- ! CDM indicated that liner deployment at the OGS Slope Pond is not scheduled to start until gypsum amendment and sod installation is completed by Compass on the slope between the Slope Pond and the OGS-N Cap.
- ! Weekend work schedule: no weekend work was planned at the time of the meeting.

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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).

- ! Liner deployment shop drawings are in progress by Comanco for the NGS-S Cap.

8.0 TECHNICAL ITEMS/CLARIFICATIONS AND QUALITY ASSURANCE

Updated drawing sets, dated 9/28/05, were distributed at the 9/29/05 meeting for the NGS-S Cap and NGS-N Relief Ditch. These drawings reflect all changes to date. Earlier drawings should be discarded.

Update drawing sets, dated 9/28/05, were also distributed at the 9/29/05 meeting for the Phase I Slope Closure. These drawings reflect all changes to date. Earlier drawings should be discarded. As previously noted, there is a minor dimensional change on drawing D10 - change 2'-9" to 3'-2" in detail 40.

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.

Preliminary drawings were previously distributed at the 9/15/05 meeting for the NGS-S Soil Slope Cover Construction, C-1 through C-5 (hard copies and CD's containing ACAD files) for Contractor's use in estimating take-off quantities.

- ! Potential modifications to the current design detail for liner anchor trenches on slopes were discussed and CDM proposed an alternative to the current design (i.e., the design as indicated on the current Drawings dated 9/28/05) for consideration. The alternative is intended to accommodate subcontractor's equipment capabilities, alleviate difficulties in achieving fine grade tolerances (particularly in dense, older gypsum deposits), and to ease coordination between different subcontract activities. Ardaman requested that CDM submit their proposed alternative for approval.

Quality Control Activities

- ! Ardaman has 5 technicians on site.
- ! In-place gypsum density tests: 589 tests passing, 2 failing (NGS-N Relief Ditch), 4 pending.
- ! OGS Cap liner seam destructive testing (DT's): 51 marked, 35 passing, none failing, none pending. A summary of testing status report dated 10/5/05 (revision 4) was distributed at the meeting.
- ! Liner anchor trench density tests: no change - 4 passing, none failing, none pending.
- ! Soil cover screened stockpile samples: a tabulated summary of testing results was updated on 10/6/05 (Revision 4), and was distributed at the meeting.

Miscellaneous

- ! Rainfall: CDM reported 0.20 inches from 9/28/05 through 10/4/05.
- ! Reconciliation of Compass pay quantities for soil fill and grassing is in progress.
- ! Regarding construction of an access ramp road on the east slope of the NGS-S, Compass' temporary grading plan, submitted at last week's meeting, was verbally approved.

Acceptances

- ! The final inspection of the OGS-N Cap liner was undertaken by Ardaman, CDM and Comanco after the meeting.

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9.0 COMMENTS by PROGRAM MANAGER

- ! A change order is in progress for changes in gypsum cut/fill quantities.
- ! CDM re-submitted Compass' Final Soil Sampling Plan for Gulfstream II Property Borrow Pits, dated 10/3/05. The revised plan was approved by email on 10/3/05. CDM was requested to respond to earlier requests for additional information by Ardaman and FDEP regarding the site development plan, permits and permit conditions.
- ! CDM distributed a plan via email on 10/5/05 to dismantle the irrigation system on the NGS-N west slope, and to relocate the NGS-N outlet pipe, in order to proceed with construction of the stormwater ditch at the toe of the west slope.