

ARDAMAN & ASSOCIATES, INC. PROGRESS MEETING REPORT FOR PINEY POINT GYPSUM STACK SYSTEM CLOSURE		File No.: 05-110A Meeting Date: <u>11/17/05</u> Report No: <u>37</u> Report Date: <u>11/29/05</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: Rob Werner, John Cameron, Tony Deatherage Receiver: _____ FDEP: _____ CDM: Dean Carter, Steve Solters, Mike Cruz, Jean Wilson Moretrench: Steve Voytko, Harley Frady, Mike Panny, Ralph Remmert 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, Dick Slovarp
 Moretrench: Al Shuman, Steve Voytko, Mike Panny, Nick Haddon
 Comanco: Tom Topp, Brad DeNeve
 Compass: Chuck Icenogle, Vernon Giles, Tom McSweeny

Next Meeting is Scheduled for WEDNESDAY, November 30, 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

No safety incidents were reported.

3.0 SUMMARY OF WORK PERFORMED

Moretrench:

- Hauled gypsum fill to the NGS-S Cap; 1,438 cy was hauled this report, 445,532 cy total as of 11/16/05 (compacted-in-place based on truck load count estimate).
- Continued cut/fill and compaction in the Relief Ditch.
- Continued installation of irrigation system on the OGS south slope (for watering to assist compaction).
- Continued grading and compaction on the OGS slopes - compaction is complete on approximately 600' of the south slope.
- Process Water usage this report - approximately 255,000 gallons.
- Equipment: 3 D-6 dozers, 4 compactors, 2 backhoes, 2 water wagons, 2 dump trucks, 1 motor grader - 19 personnel.

Comanco:

- Completed detail work on the OGS slope pond, including backfill/compaction of anchor trenches.
- Started installation of geocomposite on the OGS-N and OGS-S Cap dikes
- Began excavating anchor trenches for the NGS-S Cap.
- Equipment: 1 QC trailer, 6 generators, 3 wedges, 4 extruders, 2 jumping jack compactors, 1 backhoe, 1 loader, 1 dozer, 1 gator - 15 personnel.

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Compass:

- Maintained haul roads and continued dust control.
- Continued segregating and screening soil stockpiles.
- Continued hauling soil fill from Gulfstream I borrow area to the OGS Caps; 10,010 cy was hauled this report, 33,924 cy total as of 11/16/05 (compacted-in-place based on truck load count estimate).
- Fresh Water usage this report - approximately 160,000 gallons.
- Equipment: 7 dump trucks, 2 water wagons, 1 loader, 2 backhoes, 4 dozers, 2 power screens, 2 compactors, 2 motor graders - 17 operators. Changed out 1 water truck since last report.

4.0 PROJECTED WORK FOR NEXT WEEK

Moretrench:

- Continue work on the NGS-N Relief Ditch; install concrete at the inlet structure..
- Continue grading and compaction on the OGS slopes; continue installation of irrigation system for watering to assist compaction.

Comanco:

- Continue installation geocomposite on the OGS Cap Area crests.
- Start liner deployment at the NGS-S Cap.

Compass:

- Continue haul road maintenance and dust control.
- Continue segregating and screening soil stockpiles at Gulfstream I borrow area.
- Continue hauling soil fill to the OGS Caps.
- Performed additional sampling at the Gulfstream II proposed borrow area - see 9.0 Comments by Program Manager for more.

5.0 SURVEY NOTES

- Compass indicated that they are presently using a dozer-mounted Accugrade GPS system to control soil fill grades, beginning with the OGS slope pond.

6.0 PROJECT SCHEDULE

- Workdays lost to weather this reporting period: Moretrench 0.0, Comanco 0.0, Compass 0.0.
- The project schedule was updated by CDM on 11/17/05 and was distributed at the meeting. The schedule was updated to reflect construction progress to date, and to review/update forecast dates for as-built survey activities.
- Weekend work schedule: No work is planned by Contractors during the 4-day Thanksgiving Day holiday weekend.

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).

- Grass seed descriptions and certifications, submitted by CDM by email on 11/16/05, were approved as noted by Ardaman on 11/16/05.

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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 and the Phase I Slope Closure. These drawings reflect all changes to date. Earlier drawings should be discarded. 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.

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.

- A location plan and detail for the filtration drain detail in the OGS-S Compartment (that will be installed in conjunction with the planned soil cover construction on the slopes the lined OGS-S Compartment) were provided by Ardaman at the 10/12/05 meeting.
- A typical cross section indicating requirements for relocation of the 18x16 reducer and upstream gate valve on the OGS-S Compartment outlet pipe were provided by Ardaman at the 10/12/05 meeting.
- Plan figures and preliminary cross-sections were provided by Ardaman at the 10/12/05 meeting to illustrate a potential option for closure of certain dike crest roads (i.e., crest roads that have widths significantly greater than the typical 24-foot width) that may be implemented to preclude the need for excavating gypsum 2 feet to lower the crest and form the upstream berm prior to liner and soil cover installation.
- CDM previously submitted a request to modify the liner anchor trench detail on dike slopes via email on 10/6/05; Ardaman approved the modified detail by email on 10/11/05.

Quality Control Activities

- Ardaman had 6 technicians on site this reporting period.
- In-place gypsum density tests - 686 tests passing, 7 failing (OGS south slope), 6 pending.
- In-place soil fill density tests - 2 passing, none failing, 12 pending.
- OGS Cap liner seam destructive testing (DT's): 59 marked, 59 passing, none failing, none pending. A summary report of testing status was updated 11/17/05 (revision 6) and was distributed at the meeting. DT testing is complete for the OGS Cap.
- OGS Cap liner anchor trench density tests - 10 passing, none failing, none pending. Anchor trench density testing is complete for the OGS Cap.
- NGS-S Cap 40-mil liner roll conformance testing - summary of testing status report was updated 11/17/05 (revision 2) - all rolls were tentatively approved for deployment at the meeting.

Miscellaneous

- Rainfall: CDM reported 0.00 inches from 11/9/05 through 11/15/05.

Acceptances

- On 11/17/05, liner for soil fill installation, the OGS slope pond.
- CDM/Comanco indicated that about ½ of the NGS-S Cap would be ready for final inspection next week.

9.0 COMMENTS by PROGRAM MANAGER

- A change order is in progress for changes in gypsum cut/fill quantities. As discussed at the 10/27/05 the meeting, the final payment quantity for gypsum fill on the south slope of the OGS may need to be determined via final as-built survey in the event that the current "fattened" slope grades are not achieved.
- Reconciliation of Compass pay quantities for soil fill and grassing is in progress. CDM reported that proposed pay quantities were sent for review to Ardaman and FDEP for all pay items except the NGS-N Relief Ditch.

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- CDM requested Compass to provide a cost proposal to install the for the OGS-S filter drain
- Regarding the Gulfstream II borrow pit, Compass performed additional sampling by horizon - testing is in progress. CDM/Compass were reminded that a response will be eventually required to earlier requests for additional information by Ardaman and FDEP regarding the site development plan, permits and permit conditions.
- Regarding the current condition of the existing grass on the west slope of the NGS-N Compartment, CDM reported that a diagnosis and recommendations are in progress by Keller Grassing.