

ARDAMAN & ASSOCIATES, INC. PROGRESS MEETING REPORT FOR PINEY POINT GYPSUM STACK SYSTEM CLOSURE		File No.: 05-110A Meeting Date: <u>11/3/05</u> Report No: <u>35</u> Report Date: <u>11/8/05</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 Receiver: _____ FDEP: _____ CDM: Dean Carter, Steve Solters, Mike Cruz, Jean Wilson Moretrench: Steve Voytko, Mike Panny, 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 Cruz, Michael Edgar, 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 THURSDAY, November 10, 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.
- Compass reported that a water truck rolled over 10/31/05 on the NGS-N ramp when the vehicle stalled, resulting in brake failure. The operator was not injured.

3.0 SUMMARY OF WORK PERFORMED

Moretrench:

- Hauled gypsum fill from the OGS north stormwater ditch to the NGS-S Cap; 5,900 cy was hauled this report, 443,038 cy total as of 10/26/05 (compacted-in-place based on truck load count estimate).
- Completed finish grading for liner subgrade in the OGS Slope Pond.
- Continued rough grading and compacting the NGS-N Relief Ditch
- Continue cutting 2 foot gypsum from OGS south and west crest roads (in preparation for closure Option 1).
- Process Water usage this report - approximately 135,500 gallons.
- Equipment: 2 D-8 dozers, 3 D-6 dozers, 4 compactors, 2 backhoes, 2 water wagons, 2 dump trucks, 1 motor grader - 20 personnel.

Comanco:

- Began liner deployment on the OGS slope pond on 10/31/05; approximately 6,204 sq ft of liner was installed.
- Continued removal of sand ballast bags ahead of Compass soil cover placement in the OGS Caps.
- Equipment: 1 QC trailer, 6 generators, 3 wedges, 4 extruders, 1 backhoe, 1 loader, 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; soil fill hauled to-date was reported at 12,936 cy (compacted-in-place based on truck load count estimate)..
- Amended gypsum with dolomite at the east and west ends of the OGS slope pond.
- Equipment: 7 dump trucks, 2 water wagons, 1 loader, 2 backhoes, 3 dozers, 2 power screens, 2 compactors, 2 motor graders - 18 operators. Mobilized 1 additional dump truck since last report.

4.0 PROJECTED WORK FOR NEXT WEEK

Moretrench:

- Continue work on the NGS-S Cap
- Continue work on the NGS-N Relief Ditch; extend pipe and install seep shields at west end.
- Continue grading and compaction on the OGS south slope.

Comanco:

- Continue removal of sand ballast bags ahead of Compass soil cover placement in the OGS Caps.
- Continue liner deployment at the OGS Slope Pond.
- Begin placement of geocomposite on OGS Cap Area crests; delivery of geocomposite is scheduled end-of-week.

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.

5.0 SURVEY NOTES

- Moretrench distributed copies of Pickett's 10/20/05 take-up quantity survey at the meeting. Ardaman requested an electronic copy.

6.0 PROJECT SCHEDULE

- Workdays lost to weather this reporting period: Moretrench 0.5, Comanco 1.5, Compass 1.5.
- The project schedule was updated by CDM on 11/3/05 and was distributed at the meeting. The schedule was updated to reflect construction progress to date.
- Weekend work schedule: Compass plans to work on Saturday; no work is planned by Moretrench or Comanco.

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 for the NGS-S Cap and NGS-N Relief Ditch were distributed by Comanco at the meeting. Ardaman requested an electronic copy.

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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 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 2 to 6 technicians on site this reporting period (depending on contractor activities).
- In-place gypsum density tests - 613 tests passing, 11 failing (OGS south slope and NGS-S Cap), none pending.
- OGS Cap liner seam destructive testing (DT's): 52 marked, 51 passing, none failing, none pending.
- OGS Cap liner anchor trench density tests - no change - 8 passing, none failing, none pending.
- NGS-S Cap 40-mil liner roll conformance testing - summary of testing status report was last updated 10/26/05 (rev. 2).
- Gulfstream I site soil cover screened stockpile samples - tabulated summary of testing results was last updated 10/26/05 (rev. 5).
- Gulfstream II site - tabulated summary of geotechnical testing was last updated 10/26/05 (rev. 1).
- Compass requested post-amendment gypsum pH testing at the east and west ends of the OGS slope pond.

Miscellaneous

- Rainfall: CDM reported 1.25 inches from 10/25/05 through 11/1/05.
- Compass provided a proposed haul road location plan (through the OGS Cap for hauling soil fill to the OGS-S Compartment) at the meeting to Ardaman for review and approval. However, Compass indicated at the meeting that a haul route on the exterior perimeter of the OGS Cap is preferred, if existing liner vent pipes can be temporarily removed. CDM/Compass were requested to submit their revised plan to Ardaman for review and approval.

Acceptances

On 10/25/05, subgrade for liner installation, the OGS slope pond.

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.

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- Reconciliation of Compass pay quantities for soil fill and grassing is in progress.
- Regarding the Gulfstream II borrow pit unsuitable chromium levels, CDM/Compass have reviewed FDEP's 10/31/05 email follow-up comments, and may propose a revised sampling plan by horizon. The revised plan will be submitted to Ardaman and FDEP for review and approval. 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 was encouraged by FDEP at the 10/27/05 meeting to contact Keller Grassing to inspect and provide a diagnosis of the current condition of the existing grass on the west slope of the NGS-N Compartment. (Keller was the grassing subcontractor when the prior program manager established the grass as a test plot in 2004.)