

ARDAMAN & ASSOCIATES, INC. PROGRESS MEETING REPORT FOR PINEY POINT GYPSUM STACK SYSTEM CLOSURE		File No.: 05-110A	Page 1 of 4
		Meeting Date: <u>10/27/05</u>	
		Report No: <u>34</u>	Report Date: <u>11/01/05</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: Nadim Fuleihan, Tom Leto, Rob Werner, Tony Deatherage Receiver: Louis Timchak FDEP: John Coates, Sam Zamani CDM: Dean Carter, Steve Solters, Mike Cruz, Jean Wilson, Jason Gorrie, Mick Edgar 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 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 9:00 AM, Thursday, November 3, 2005

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.
- CDM distributed copies of an October 27, 2005 memorandum to FDEP proposing use of temporary barricades to limit traffic on the exterior perimeter dikes of the New Gypsum Stack. Combinations to barricade chain locks will be provided to key site personnel (including Ardaman's lead technician). The memo also included requests to limit traffic on stack crest roads indicated that crest roads shall be accessed only at designated ramps.
- FDEP requested that contractors remind operators, particularly off-road dump drivers, to maintain safe speeds.

3.0 SUMMARY OF WORK PERFORMED

Moretrench:

- Hauled gypsum fill to the NGS-S Cap; 2,640 cy was hauled this report, 437,139 cy total as of 10/26/05 (compacted-in-place based on truck load count estimate).
- Restored liner subgrade in the OGS Slope Pond.
- Continued rough grading and compacting the NGS-N Relief Ditch (and completed rough grading the ramp at the north end of the Relief Ditch).
- Process Water usage this report - approximately 97,500 gallons.
- Equipment: 2 D-8 dozers, 3 D-6 dozers, 4 compactors, 2 backhoes, 2 water wagons, 2 dump trucks, 1 motor grader - 21 personnel. Demobilized 1 D-8 dozer, 1 D-6 dozer, 1 compactor, 3 dump trucks since last report.

Comanco:

- Completed Hurricane Wilma storm preparations.
- Removed temporary sand ballast bags ahead of Compass soil cover placement operation in the OGS-S Cap.
- Equipment: 1 QC trailer, 6 generators, 3 wedges, 4 extruders, 1 backhoe, 1 loader, 1 gator - 5 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-N Cap.
- Completed sod placement on the slope between the OGS-N Cap and OGS Slope Pond.
- Equipment: 6 dump trucks, 2 water wagon, 1 loader, 2 backhoes, 3 dozers, 2 power screens, 2 compactors, 2 motor graders - 16 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.
- Continue grading and compaction on the OGS south slope.
- Continue cutting 2 foot gypsum from OGS south and west crest roads (in preparation for closure Option 1)

Comanco:

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

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

- A compliance as-built re-survey for the OGS Slope Pond was approved on 10/25/05.

6.0 PROJECT SCHEDULE

- Workdays lost to weather this reporting period: Moretrench 2.5, Compass 4.5.
- The project schedule (full version) was updated by CDM on 10/26/05 and was distributed at the meeting. The schedule was updated to reflect construction progress to date. The Engineer stated that although the sequence and duration of the scheduled period for grass establishment prior to installation of downslope liners and placement of soil cover was at CDM's discretion, past experience at other sites suggests that some erosion-related maintenance can be expected with the currently planned establishment periods.
- 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 are in progress by Comanco for the NGS-S Cap.
- Comanco provided additional information at the meeting in support of requested specification exceptions for geonet/geotextile composite. The proposed material was conditionally approved by Ardaman in a 10/20/05 e-mail.

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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 2 to 5 technicians on site this reporting period (depending on contractor activities).
- In-place gypsum density tests - 611 tests passing, 5 failing (OGS south slope), none pending.
- Liner anchor trench density tests - no change - 8 passing, none failing, none pending.
- NGS-S Cap 40-mil liner roll conformance testing - an updated summary of testing status report, dated 10/26/05 (revision 2) was distributed at the meeting.
- Soil cover screened stockpile samples - a tabulated summary of testing results, dated 10/26/05 (revision 5) was distributed at the meeting
- A tabulated summary of geotechnical testing completed to-date on samples from the five test borings at the Gulfstream II site, dated 10/26/05 (revision 1), was distributed at the meeting.
- Gypsum pH and conductivity testing - post-amendment testing of samples from the slope between the OGS-N Cap and OGS Slope Pond indicated pH greater than 5.

Miscellaneous

- Rainfall: CDM reported 2.85 inches from 10/14/05 through 10/24/05.
- Regarding dust control, the Engineer reiterated that gypsum dust control is both a maintenance and safety issue and that the project specifications require all contractors to maintain dust control, and reminded CDM to consider using fresh water for dust control except in areas that will be lined.
- At the 10/20/05 meeting, Compass inquired whether a haul road could be maintained through the OGS Cap Areas for planned soil placement activities in the OGS-S Compartment. Compass will provide a proposed haul road location plan to Ardaman for review and approval. Potential haul road routes were discussed at the meeting and Ardaman indicated that, if approved, additional panel drain(s) may need to be incorporated in the soil cover beneath the haul road route.
- At the 10/20/05 meeting, Moretrench inquired about handling requirements for gypsum materials encountered at the surface of excavations made to establish design grades along the south side of the OGS south toe ditch. CDM/Moretrench were informed that there is no requirement to over-excavate or replace such gypsum pockets.

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Acceptances

None this report.

9.0 COMMENTS by PROGRAM MANAGER

- A change order is in progress for changes in gypsum cut/fill quantities. As discussed in 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 emailed Compass' Gulfstream II Property Borrow Pit Sampling Report on 10/14/05 to FDEP and Ardaman. CDM was requested to respond to earlier requests for additional information by Ardaman and FDEP regarding the site development plan, permits and permit conditions.

10.0 COMMENTS BY FDEP

- CDM was encouraged 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.
- As discussed in a 10/21/05 email from FDEP to CDM, Results of chemical analyses performed by STL for CDM/Compass on composite samples from the five brings in the proposed Gulfstream II Borrow Site indicated concentrations of chromium above the soil cleanup target level in Chapter 62-777, F.A.C., Table II for leachability based on surface water quality criteria. As stated in that email, FDEP is performing duplicate tests. Potential options, depending on results of the FDEP tests, were outlined in the 10/21/05 FDEP email.

11.0 COMMENTS BY RECEIVER

The Receiver had no comments.