

ARDAMAN & ASSOCIATES, INC. PROGRESS MEETING REPORT FOR PINEY POINT GYPSUM STACK SYSTEM CLOSURE		File No.: 05-110A	Page 1 of 4
		Meeting Date: <u>10/12/05</u>	
		Report No: <u>32</u>	Report Date: <u>10/19/05</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, John Cameron, Tony Deatherage, Rob Werner Receiver: Louis Timchak FDEP: John Coates CDM: Dean Carter, Steve Solters, Mike Cruz, Jean Wilson, Jason Gorrie Moretrench: Harley Frady, Steve Voytko Comanco: Brad DeNeve Compass: Chuck Icenogle, Vernon Giles, Dick Vorpahl			

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 McSweeny

***Next Meeting is Scheduled for Thursday, October 20, 2005
Construction/Engineering Meeting at 9:00 am***

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 gypsum fill to the OGS Slope Pond, and hauled soil from the OGS south ditch to stockpile; 4,243 cy was hauled this report, 424,576 cy total as of 10/11/05 (compacted-in-place based on truck load count estimate).
- ! Continued finish grading and compacting the OGS Slope Pond.
- ! Continued rough grading and compacting the NGS-N Relief Ditch.
- ! Process Water usage this report - approximately 291,500 gallons.
- ! Equipment: 4 D-8 dozers, 4 D-6 dozers, 6 compactors, 2 backhoes, 2 water wagons, 5 dump trucks, 1 motor grader - 27 personnel.

Comanco:

- ! Continued detail work at the OGS-S Cap.
- ! Received 22 rolls of 40-mil liner for the NGS-S Cap.
- ! Equipment: 1 QC trailer, 6 generators, 3 wedges, 3 extruders, 1 backhoe, 1 loader, 1 gator - 13 personnel.

Compass:

- ! Continued haul road improvements and dust control.
- ! Continued segregating and screening soil stockpiles (approximately 100,000 cy to-date).
- ! Continued installation of ditch culvert and access ramp on the east side of the NGS-S Cap.
- ! Equipment: 5 dump trucks, 1 water wagon, 1 loader, 2 backhoes, 3 dozers, 2 power screens, 2 compactors, 2 motor graders - 8 operators. De-mobilized 1 backhoe and 1 forklift since last report.

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4.0 PROJECTED WORK FOR NEXT WEEK

Moretrench:

- ! Continue finish grading the OGS Slope Pond.
- ! Continue work on the NGS-N Relief Ditch; start directional boring for outlet pipe at west end.
- ! Continue hauling soil from the OGS south ditch to stockpile.

Comanco:

- ! Continue detail work at the OGS-S Cap.
- ! Complete punch list items at the OGS-N Cap.
- ! Start liner deployment at the OGS Slope Pond, pending subgrade acceptance, and completion of sod installation on the slope between the OGS-N Cap and OGS Slope Pond.
- ! Receive 1 additional truck load of 40-mil liner for the NGS-S Cap.
- ! Shipment of geonet/geotextile for the OGS-S Compartment soil cover drainage system is anticipated end-of-month.

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.
- ! Start hauling soil fill to the OGS-N Cap.
- ! Start gypsum amendment and sod installation on the slope between the OGS-N Cap and OGS Slope Pond.

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 (and Ardaman requested an electronic ACAD-format copy) at the 10/6/05 meeting. [Ardaman received the electronic file copy on 10/13/05].
- ! A compliance as-built re-survey by Pickett for Moretrench of the OGS Slope Pond was scheduled for next week.

6.0 PROJECT SCHEDULE

- ! 2 workdays were lost by Comanco this reporting period to weather (rain), 2 days by Compass, 1 day by Moretrench.
- ! The project schedule (full version) was updated by CDM on 10/11/05 and was distributed at the meeting. The schedule was updated to reflect construction progress to date. CDM also re-sequenced activities for soil cover at the OGS-N Cap lined ponds, and added activities to reconfigure the sprinkler system and to relocate the discharge pipe line at the NGS-N west slope and ditch. [In response to review comments at the meeting, additional activities related to closure of the crest roads and installation of drains beneath the liner in the OGS stormwater ditch were added, and the soil cover sequence was corrected, in an updated version of the schedule which was distributed by CDM via email on 10/13/05.]
- ! See 10.0 Comments by FDEP for more.
- ! Weekend work schedule: no weekend work was planned at the time of the meeting.

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 submitted a request for specification exceptions from a potential supplier of Geonet/Geotextile composite for the OGS-S Compartment soil slope cover drainage system to Ardaman for review on 10/10/05. Ardaman responded via email on 10/11/05. [Representative samples of the proposed Fabrinet 200 and 8 oz/sy geotextile submitted by the supplier for Comanco were received by Ardaman on 10/19/05; remaining submittals are pending.]

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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 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 meeting.

Plan Figures and preliminary cross-sections were provided by Ardaman at the 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 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.
- ! On 10/10/05, CDM submitted for approval via email to FDEP and Ardaman a plan for relocation of the NGS-N discharge pipe from the construction area on the east dike of the NCP to the north and west dikes of the NCP. Ardaman's review comments and suggestions were provided to CDM in a 10/11/05 email.
- ! CDM submitted a plan for approval to temporarily dismantle and relocate the header pipe for the irrigation system on the NGS-N west slope via email to FDEP and Ardaman on 10/5/05. CDM's proposed plan was accepted, subject to comments in an email by FDEP on 10/6/05.

Quality Control Activities

- ! Ardaman has 5 technicians on site.
- ! In-place gypsum density tests: 594 tests passing, 2 failing (OGS west slope ditch berm), 4 pending.
- ! OGS Cap liner seam destructive testing (DT's): 51 marked, 35 passing, none failing, 15 pending. A summary of testing status report was last updated on 10/5/05 (revision 4).
- ! Liner anchor trench density tests: no change - 4 passing, none failing, none pending.
- ! Soil cover screened stockpile samples: no change - a tabulated summary of testing results was last updated on 10/6/05 (Revision 4).
- ! Results of initial (prior to amendment) gypsum pH and conductivity tests on samples obtained from the surface of the gypsum slope between the OGS-N Cap and OGS Slope Pond were distributed at the meeting in a summary table dated 10/11/05 (see "Miscellaneous" for more).

Miscellaneous

- ! Rainfall: CDM reported 1.42 inches from 10/5/05 through 10/10/05.
- ! Reconciliation of Compass pay quantities for soil fill and grassing is in progress.
- ! Regarding gypsum pH testing, Ardaman emphasized that although not contractually obligated, they intend to assist CDM/Compass by testing initial (pre-amendment) gypsum pH when possible and can assist with selection of dolomitic limestone application rates if requested. CDM/Compass will also need to perform initial pH testing as needed. Ardaman will not be liable for any delays related to availability of personnel to conduct these initial tests, and CDM Compass will be responsible for amendment rate selection.

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Acceptances

- ! The OGS-N Cap liner installation was accepted on 10/6/05, pending punchlist items (see Ardaman 10/11/05 email) and installation of air vents.
- ! Final inspection of the OGS-S Cap liner installation was scheduled for 10/18/05.

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.

10.0 COMMENTS BY FDEP

- ! CDM was requested to complete the change order request for changes in gypsum cut/fill quantities as soon as possible, and CDM/Moretrench were urged to focus on maintaining progress towards achieving design grades in order to reduce uncertainties regarding the gypsum cut/fill balance.
- ! CDM was requested to add activities associated with crest road closure to the construction schedule.
- ! FDEP advised that Manatee County Commissioners and others will be visiting the site on 10/20/05.

11.0 COMMENTS BY RECEIVER

No comments.