

ARDAMAN & ASSOCIATES, INC. PROGRESS MEETING REPORT FOR PINEY POINT GYPSUM STACK SYSTEM CLOSURE		File No.: 05-110A Meeting Date: <u>10/20/05</u> Report No: <u>33</u>	Page 1 of 4 Report Date: <u>10/26/05</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, Jason Gorrie Moretrench: Harley Frady, Mike Panny 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 Thursday, October 27, 2005
Site Tour at 8:00 am followed by CDM Construction & Operations Meeting

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-S west and south ditches, and soil from the OGS south ditch to stockpile; 9,923 cy was hauled this report, 434,499 cy total as of 10/18/05 (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.
- ! Completed outlet pipe installation, via directional boring, at the west end of the NGS-N Relief Ditch.
- ! Process Water usage this report - approximately 377,000 gallons.
- ! Equipment: 3 D-8 dozers, 4 D-6 dozers, 5 compactors, 2 backhoes, 2 water wagons, 5 dump trucks, 1 motor grader - 22 personnel. Demobilized 1 D-8 dozer, 1 compactor, 2 dump trucks since last report.

Comanco:

- ! Completed punch list items at the OGS-N Cap.
- ! Completed detail work at the OGS-S Cap, and started work on punch list items.
- ! Received 4 additional rolls of 40-mil liner for the NGS-S Cap. Liner delivery is complete for the NGS-S Cap.
- ! Equipment: 1 QC trailer, 6 generators, 3 wedges, 4 extruders, 1 backhoe, 1 loader, 1 gator - 5 personnel.

ARDAMAN & ASSOCIATES, INC. PROGRESS MEETING REPORT FOR PINEY POINT GYPSUM STACK SYSTEM CLOSURE	File No.: 05-110A	Page 2 of 4
	Meeting Date: <u>10/20/05</u>	
	Report No: <u>33</u>	Report Date: 10/26/05
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	

Compass:

- ! Completed haul road improvements and continued dust control.
- ! Continued segregating and screening soil stockpiles.
- ! Completed installation of ditch culvert and access ramp on the east side of the NGS.
- ! Started hauling soil fill from Gulfstream I borrow area to the OGS-N Cap on 10/17/05.
- ! Completed gypsum amendment on the slope between the OGS-N Cap and OGS Slope Pond.
- ! Equipment: 5 dump trucks, 2 water wagon, 1 loader, 2 backhoes, 3 dozers, 2 power screens, 2 compactors, 2 motor graders - 13 operators. Mobilized 1 water wagon since last report.

4.0 PROJECTED WORK FOR NEXT WEEK

Moretrench:

- ! 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:

- ! Complete punch list items at the OGS-S Cap.
- ! Start liner deployment at the OGS Slope Pond, pending subgrade acceptance, and completion of sod installation between the OGS-N Cap and OGS Slope Pond.
- ! Shipment of geocomposite is anticipated end-of-month.

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-N Cap.
- ! Start sod installation on the slope between the OGS-N Cap and OGS Slope Pond.

5.0 SURVEY NOTES

- ! A compliance as-built re-survey by Pickett for Moretrench of the OGS Slope Pond was re-scheduled to next week.

6.0 PROJECT SCHEDULE

- ! No workdays were lost to weather this reporting period.
- ! The project schedule (full version) was updated by CDM on 10/20/05 and was distributed at the meeting. The schedule was updated to reflect construction progress to date, and to add activities associated with crest road closure.
- ! 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 geocomposite.

ARDAMAN & ASSOCIATES, INC. PROGRESS MEETING REPORT FOR PINEY POINT GYPSUM STACK SYSTEM CLOSURE	File No.: 05-110A	Page 3 of 4
	Meeting Date: <u>10/20/05</u>	
	Report No: <u>33</u>	Report Date: 10/26/05
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	

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.
- ! 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 previously 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 6 technicians on site.
- ! In-place gypsum density tests - 611 tests passing, 3 failing (NGS-S Cap), none pending.
- ! OGS Cap liner seam destructive testing (DT's): 51 marked, 51 passing, none failing. A summary of testing status report was updated on 10/19/05 (revision 5) and was distributed at the meeting.
- ! Liner anchor trench density tests - 8 passing, none failing, none pending.
- ! NGS-S Cap 40-mil liner roll conformance testing - an initial summary of testing status report, dated 10/19/05 (revision 1) was distributed at the meeting.
- ! Soil cover screened stockpile samples - no change - a tabulated summary of testing results was last updated on 10/6/05 (Revision 4).
- ! 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 0.00 inches from 10/11/05 through 10/12/05.
- ! Regarding gypsum dust control issues, CDM indicated on the day of the meeting that all water trucks were operating, and at least 1 truck was dedicated to road wetting.

ARDAMAN & ASSOCIATES, INC. PROGRESS MEETING REPORT FOR PINEY POINT GYPSUM STACK SYSTEM CLOSURE	File No.: 05-110A	Page 4 of 4
	Meeting Date: <u>10/20/05</u>	
	Report No: <u>33</u>	Report Date: 10/26/05
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	

Acceptances

- ! The OGS-S Cap liner installation was inspected and accepted on 10/18/05, pending punch list items (see Ardaman 10/21/05 email).

9.0 COMMENTS by PROGRAM MANAGER

- ! A change order is in progress for changes in gypsum cut/fill quantities.
- ! 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.
- ! CDM will submit a preparation plan for Hurricane Wilma via email on 10/21/05.