

ARDAMAN & ASSOCIATES, INC. PROGRESS MEETING REPORT FOR PINEY POINT GYPSUM STACK SYSTEM CLOSURE		File No.: 05-110A	Page 1 of 4
		Meeting Date: <u>11/30/05</u>	
		Report No: <u>38</u>	Report Date: <u>12/7/05</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, Rob Werner, John Cameron, Tony Deatherage Receiver: Louis Timchak FDEP: Phil Coram, John Coates, Sam Zamani CDM: Dean Carter, Steve Solters, Mike Cruz, Jean Wilson Moretrench: Steve Voytko, Harley Frady, Mike Panny, Ralph Remmert Comanco: Brad DeNeve Compass: Chuck Icenogle, Tom McSweeney			

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 McSweeney

***Next Meeting is Scheduled for Thursday, December 8, 2005
Construction/Engineering Meeting at 2:00 pm***

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-N Relief Ditch; 2,020 cy was hauled this report, 448,593 cy total as of 11/28/05 (compacted-in-place based on truck load count estimate).
- Completed grading and compaction on the OGS south slope.
- Relocated the irrigation system (for watering to assist compaction) to the OGS southwest corner.
- Installed concrete base at the NGS-N Relief Ditch inlet structure.
- Process Water usage this report - approximately 70,000 gallons.
- Equipment: 3 D-6 dozers, 5 compactors, 1 backhoe, 2 water wagons, 2 dump trucks, 1 motor grader, 1 loader - 11 personnel. 1 backhoe was demobilized since last report.

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Comanco:

- Started liner deployment at the NGS-S Cap - 226,307 sq ft (5.2 acres) was deployed since last report; started detail work and backfill/compaction of anchor trenches.
- Continued installation of geocomposite on the OGS Cap dikes.
- Equipment: 1 QC trailer, 6 generators, 3 wedges, 4 extruders, 2 jumping jack compactors, 1 backhoe, 1 loader, 1 gator -15 personnel. Demobilized 1 dozer since last report.

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Compass:

- Maintained haul roads and continued dust control.
- Continued segregating and screening soil stockpiles.
- Completed hauling soil fill from Gulfstream I borrow area to the OGS Caps; an estimate of cy placed was not available for this report.
- Fresh Water usage this report - approximately 20,000 gallons.
- Equipment: 7 dump trucks, 2 water wagons, 1 loader, 2 backhoes, 4 dozers, 2 power screens, 2 compactors, 2 motor graders - 17 operators. Equipment associated with hauling was reported on standby as of 4:00 pm on 11/22/05.

4.0 PROJECTED WORK FOR NEXT WEEK

Moretrench:

- Install concrete retaining walls at the NGS-N Relief Ditch inlet structure.
- Continue grading and compaction on the OGS slopes; continue relocating the irrigation system as needed for watering to assist compaction.

Comanco:

- Continue installation of geocomposite on the OGS Cap crests.
- Continue liner deployment and detail work at the NGS-S Cap.

Compass:

- Continue haul road maintenance and dust control.
- Continue segregating and screening soil stockpiles at Gulfstream I borrow area.
- Resume hauling soil fill when directed.

5.0 SURVEY NOTES

- Pickett performed a take-up survey for Moretrench on 11/20/05; Moretrench requested that this survey also be utilized for the "as-built" review and approval by Ardaman of the OGS south slope and NGS-N Relief Ditch for grassing of amended gypsum. Ardaman requested an electronic copy (ACAD version) to determine if this is feasible. Ardaman also requested that future surveys for "as-built" should be submitted on design drawings with background contours.
- Compass will schedule Pickett to perform an as-built survey of soil cover grades on the OGS Caps for review and approval by Ardaman prior to grassing. Ardaman requested that road crests, toe of slope and pond bottom be surveyed at 100' o.c.

6.0 PROJECT SCHEDULE

- Workdays lost to weather this reporting period: Moretrench 1.0, Comanco 2.5, Compass 1.0.
- The project schedule was last updated by CDM on 11/17/05. The schedule will be updated and submitted to Ardaman for review on 12/6/05, and will be discussed next meeting. See 10.0 Comments by FDEP for more.
- Regarding closure of the SCP south compartment, Ardaman indicated the center ditch between the north and south compartments should be excavated to approximate elevation 8 in order to intercept seepage from the north compartment. Ardaman also suggested the center divider dike in the south compartment be constructed first, so that the process water sump area could be available for emergency surge prior to excavating the SCP dikes.
- Weekend work schedule: No work is planned by Contractors this 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).

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- No shop drawings or submittals are waiting for action at this time.

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.

Grading plans and cross-sections (drawings C-1 through C-5, dated 11/28/05), were distributed by Ardaman at the meeting for Phase II closure of the NGS north, east and south exterior slopes and lined stormwater ditches/ponds. Electronic (ACAD) versions will be made available on Ardaman's ftp site. Detail drawings for structures and drains are in progress.

A preliminary grading plan (drawing C-1, dated 11/28/05) was also distributed by Ardaman at the meeting for closure of the SCP south compartment. Ardaman also distributed a topographic map of the construction area (drawing G-6, dated 11/28/05), with pond bottom elevations of the south compartment based on soundings taken in 2001. It was recommended that CDM obtain aerial topographic mapping of the pond bottom. See 6.0 Project Schedule for scheduling comments.

Quality Control Activities

- Ardaman had 6 technicians on site this reporting period.
- In-place gypsum density tests - 702 tests passing, 5 failing (NGS-N Relief Ditch), none pending.
- In-place soil fill density tests - 54 passing, none failing, none pending.
- NGS-S Cap liner seam destructive testing (DT's): 22 marked, 20 passing, none failing, 2 pending. A summary report of testing status was updated 11/30/05 (revision 6) and was distributed at the meeting.
- NGS-S Cap liner anchor trench density tests - 2 failing, none pending.
- NGS-S Cap 40-mil liner roll conformance testing - summary of testing status report was last updated on 11/17/05 (revision 2) - all rolls were conditionally approved for deployment at the 11/17/05 meeting.

Miscellaneous

- Rainfall: CDM reported 0.51inches from 11/16/05 through 11/28/05.

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Acceptances

- NGS-S Cap liner - a preliminary walk-through on the morning of the meeting indicated that the liner placed was not yet ready for final inspection. The inspection was re-scheduled to 12/2/05.

9.0 COMMENTS by PROGRAM MANAGER

- A change order is in progress for changes in gypsum cut/fill quantities. Agreement has essentially been reached on quantities except at the OGS Caps - Ardaman and Moretrench will review this area with Moretrench's modeler.
- Reconciliation of Compass pay quantities for soil fill and grassing is in progress. Pay quantities were previously sent for review to Ardaman and FDEP for all pay items except the NGS-N Relief Ditch, for which CDM is waiting on input from Compass.
- CDM received a cost proposal from Compass to install the for the OGS-S filter drain; CDM will forward to FDEP and Ardaman for review.
- Results of latest sampling of the Gulfstream II borrow pit will be discussed at the Program Manager's meeting.
- Regarding the current condition of the existing grass on the west slope of the NGS-N Compartment, CDM advised of their intent to re-fertilizer with liquid fertilizer via the sprinkler system.

10.0 COMMENTS by FDEP

- Regarding the project construction schedule, FDEP requested that CDM obtain updated input from all Contractors in order to forecast installation dates for uncompleted activities as accurately as possible. FDEP will participate in next week's construction meeting schedule review, and requested an electronic copy prior to the meeting.

11.0 COMMENTS by RECEIVER

- No comments.