

ARDAMAN & ASSOCIATES, INC. PROGRESS MEETING REPORT FOR PINEY POINT GYPSUM STACK SYSTEM CLOSURE		File No.: 05-110A	Page 1 of 4
		Meeting Date: <u>12/16/05</u>	
		Report No: <u>40</u>	Report Date: <u>12/21/05</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, John Cameron, Tony Deatherage Receiver: Louis Timchak FDEP: John Coates, Sam Zamani CDM: Dean Carter, Steve Solters, Mike Cruz, Jean Wilson Moretrench: Harley Frady, Ralph Remmert, Mike Panny Comanco: Tom Topp, Brad DeNeve Compass: Tom McSweeny, 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, 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, December 22, 2005
Construction/Engineering Meeting at 9:00 am***

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:

- No gypsum was hauled since last report.
- Continued grading and compacting the OGS slopes.
- Continued finish grading and compacting the NGS-N Relief Ditch.
- Process Water usage this report - approximately 125,000 gallons.
- Equipment: 3 D-6 dozers, 4 compactors, 1 backhoe, 1 water wagon, 2 dump trucks - 13 personnel. Demobilized 1 motor grader and added 1 D-8 dozer since last report.

Comanco:

- Completed detail work on the east ½ of the NGS-S Cap (except on the perimeter road where liner is not yet deployed ~ station 111+00); completed backfill and compaction of anchor trenches.
- Equipment: 1 QC trailer, 6 generators, 3 wedges, 4 extruders, 2 jumping jack compactors, 1 backhoe, 1 loader, 1 gator -18 personnel.

Compass:

- Maintained haul roads and continued dust control.
- Continued segregating and screening soil stockpiles.

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- Continued hauling soil fill from Gulfstream I borrow area to the NGS-N Cap west ½; 18,084 cy (by truck load estimate) was hauled to the NGS-N Cap as of 12/14/05; soil placement stopped on 12/14/05 due to non-compliance with specifications (excessive root material; see 8.0 Technical Items - Miscellaneous).
- Fresh Water usage this report - approximately 30,000 gallons.
- Equipment: 8 dump trucks, 2 water wagons, 1 loader, 2 backhoes, 4 dozers, 2 power screens, 2 compactors, 2 motor graders - 22 operators.

4.0 PROJECTED WORK FOR NEXT WEEK

Moretrench:

- Continue finish grading and compacting the NGS-N Relief Ditch.
- Continue grading and compacting the OGS slopes. (See 8.0 Technical Items - Miscellaneous.)

Comanco:

- Start liner deployment in the NGS-N Relief Ditch, pending subgrade acceptance.
- Complete deployment of 40-mil liner on the on the NGS-N Cap perimeter road ~ station 111+00, pending subgrade acceptance.

Compass:

- Continue haul road maintenance and dust control.
- Continue segregating and screening soil stockpiles at Gulfstream I borrow area; 1 backhoe and 1 screen will be added next week to expedite the screening.
- Resume hauling soil fill to the NGS-N Cap.
- Grass amended gypsum on the Relief Ditch upper slopes where it has been accepted.

5.0 SURVEY NOTES

- Pickett performed an as-built survey on 12/6/05 for Compass of soil cover grades on the OGS Cap areas; Compass distributed copies of the survey at the meeting - Ardaman will review for compliance.
- CDM indicated that a ground survey was performed by Pickett to document existing grades in the SCP south compartment, and will forward to Ardaman when available.
- Pickett performed an as-built survey for Moretrench on 12/15/05 on the NGS-N Cap perimeter road ~ station 111+00, and will forward to CDM when available.

6.0 PROJECT SCHEDULE

- Workdays lost to weather this reporting period: Moretrench 0, Comanco 0.5, Compass 0.
- The project schedule was updated by CDM through work performed on 12/15/05, and was distributed and discussed at the meeting. Several comments were noted: 1) activities will be added to more fully describe work for the SCP south compartment; 2) no time allowance has been made to rip and re-compact the NGS-N Relief Ditch below the 1:1 slope; 3) work in the OGS north/west and south channels, including liner, now precedes grass establishment - CDM was requested to clarify their intent; 4) work for the Phase II slope closures will re-scheduled to proceed from south to north (high end to low end).
- Weekend work schedule: No work is planned by Contractors this weekend, except Compass will continue screening on Saturday and Sunday.

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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- CDM forwarded a submittal to Ardaman on 12/12/05 which was received from Compass for rye and bermuda grasses and fertilizer - the submittal is being reviewed.

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.

Drawings C-1 through C-5 (dated 11/28/05), were distributed at the 11/30/05 meeting for Phase II closure of the NGS exterior slopes and lined stormwater ditches/ponds. Electronic (ACAD) versions were made available on Ardaman's ftp site on 12/1/05. ***Additional drawings and CDs were distributed at the meeting as follows: drawings L-1 and L-2 (dated 12/16/05) and updated drawings C-2 and C-5 (dated 12/16/05).*** Detail drawings for structures and drains are in progress.

Drawings C-1 and G-6 (dated 11/28/05) were distributed at the 11/30/05 meeting for closure of the SCP south compartment. ***Additional drawings and CDs were distributed at the meeting as follows: drawings G-1 through G-5 (dated 11/28/05), drawing C-2 (dated 11/28/05), drawings C-3 and C-4 (dated 12/7/05) and drawing L-1 (dated 11/28/05).*** Detail drawings for liner, structures and drains are in progress.

Drawings sets and CDs dated 12/16/05 were distributed at the meeting for Slope Cover Construction - OGS Ponds.

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.

Quality Control Activities

- Ardaman had 6 technicians on site this reporting period.
- In-place gypsum density tests - 719 tests passing, 1 failing (NGS-N Relief Ditch), 4 pending.
- In-place soil fill density tests - no change - 62 passing, none failing, none pending.
- NGS-S Cap liner seam destructive testing (DT's): 38 marked, 38 passing, none failing, none pending. A summary report of testing status was updated on 12/15/05 (revision final) and was distributed at the meeting. DT testing is complete for the NGS-S Cap.
- NGS-S Cap liner anchor trench density tests - 6 passing, none failing, none pending. Anchor trench density tests are complete for the NGS-S Cap.
- 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.
- NGS-N Relief Ditch 60-mil liner roll conformance testing - 18 rolls (of 20 total) were conditionally approved for deployment at the meeting.

Miscellaneous

- Rainfall: CDM reported 0.16 inches from 12/7/05 through 12/14/05.
- In response to a 12/13/05 email from the Engineer regarding the need for more effective root removal from soil fill prior to being hauled from the Gulfstream I site, CDM/Compass elected to resume use of power screens until further notice (as indicated in the CDM email dated 12/14/05).
- As described in a 12/13/05 Ardaman email, a significant volume of gypsum material excavated during rough grading for liner subgrade along the north slope of the OGS south stormwater ditch is currently stockpiled along the south toe of slope of the OGS. Per the current design, and as previously agreed, final grades along the OGS south slope were to be adjusted to balance gypsum cut and fill quantities. Although results of recent as-built surveys indicate that grades along the OGS south slope fall below design grades by an average of nearly 1 foot, CDM/Moretrench voiced reluctance

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to push the "excess" gypsum upslope for its originally intended use. The Department indicated that the "excess" gypsum is not suitable for use as fill for grading in the SCP closure project. Moretrench initially proposed to haul and place the stockpiled gypsum on the southern half of the OGS west slope, however, it was later determined that it was unlikely that the west slope could be field adjusted within the design criteria to accommodate the additional fill quantity. Hence, if the "excess" gypsum is not pushed and placed on the OGS south slope, the only remaining destination will likely be on the NGS slopes. In the latter case, the gypsum fill volume would be measured and paid for as slope fill rather than hauled fill.

Acceptances

- NGS-S Cap liner for soil cover - on 12/14/05, the east ½ was accepted.
- NGS-N Relief Ditch gypsum subgrade for liner - survey grades and compaction were approved on the day of the meeting, from station 202+00 to 209+00; acceptance is pending completion of finish grading by Moretrench.

9.0 COMMENTS by PROGRAM MANAGER

- Change Order # 7 for gypsum cut/fill quantities was signed by CDM and forwarded to FDEP on 12/16/05 for signature.
- 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.
- A cost proposal from Compass, to install the OGS-S filter drain, was forwarded on 12/8/05 to FDEP and Ardaman for review.
- Regarding the current condition of the existing grass on the west slope of the NGS-N Compartment, CDM previously advised of their intent to re-fertilizer via the sprinkler system.
- CDM provided remaining soil fill inventory in the Gulfstream I borrow pit via email to FDEP - there is presently sufficient borrow material to last until the end of February.

10.0 COMMENTS by FDEP

- Results of latest sampling of the Gulfstream II borrow pit are presently being re-evaluated.

11.0 COMMENTS by RECEIVER

- All parties were requested to keep in mind that future beneficial use of the site may be impacted by considerations such as access, and that design accommodations may be required when appropriate.