

ARDAMAN & ASSOCIATES, INC. PROGRESS MEETING REPORT FOR PINEY POINT GYPSUM STACK SYSTEM CLOSURE		File No.: 05-110A	Page 1 of 4
		Meeting Date: <u>1/12/06</u>	
		Report No: <u>43</u>	Report Date: <u>1/18/06</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: Rob Werner, John Cameron, Tony Deatherage Receiver: _____ FDEP: _____ CDM: Dean Carter, Mike Cruz, Steve Solters, Jean Wilson Moretrench: Steve Voytko, Ralph Remmert, Mike Panny, Harley Frady Comanco: Brad DeNeve Compass: Chuck Icenogle, Vernon Giles, Tom McSweeny			

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: Vernon Giles, Tom McSweeny

***Next Meeting is Scheduled for Thursday, January 19, 2006
Site Tour at 8:00 am followed by
Construction/Engineering & CDM Operations Meetings***

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:

- Continued work on the OGS west and north slopes, ditches and toe roads; also worked on the NGS-N west slope and toe road. Approximately 710 cy of gypsum was hauled since last report (compacted-in-place by truck load estimate).
- Extended the OGS-N Cap outlet pipe to the west ditch; also modified the OGS-S Cap outlet pipe.
- Re-graded the NGS-N Relief Ditch to repair erosion.
- Excavated shallow test pits on the south side of the SCP south compartment.
- Process Water usage this report - approximately 75,000 gallons.
- Equipment: 4 D-6 dozers, 1 D-8 dozer, 3 compactors, 2 backhoes, 1 water wagon, 2 dump trucks - 14 personnel.

Comanco:

- Continued deployment of 60-mil liner at the NGS-N Relief Ditch; approximately 71,000 sf (1.6 ac) was deployed since last report; 158,000 sf (3.6 ac) total as of 1/10/06; also started detail work.
- Continued geocomposite installation in the OGS-S Reservoir; approximately 36,900 sf was installed since last report; 49,900 sf total as of 1/10/06.
- Equipment: 1 QC trailer, 6 generators, 3 wedges, 4 extruders, 2 jumping jack compactors, 2 sewing machines, 1 backhoe, 1 loader, 1 gator - 18 personnel.

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Compass:

- Completed segregating and screening soil stockpiles; started excavating and screening soil from Marsh No. 6.
- Continued hauling soil fill from Gulfstream I borrow area for cover on the OGS-S Reservoir slopes; 10,032 cy was hauled since last report; 16,918 cy total as of 1/11/06.
- Continued amending and grassing gypsum on the NGS-N Relief Ditch, and started the OGS-S south slope.
- Completed grassing soil cover on the OGS Caps and slope pond, and started the NGS-S Cap.
- Fresh Water usage this report - approximately 50,000 gallons.
- Equipment: 8 dump trucks, 2 water wagons, 2 loaders, 3 backhoes, 3 dozers, 2 power screens, 2 compactors, 2 motor graders - 22 operators. Demobilized 1 power screen since last report.

4.0 PROJECTED WORK FOR NEXT WEEK

Moretrench:

- Continue work on the OGS west slope, ditch and toe road, and on the NGS-N west slope, ditch and toe road.
- Install the 18" culvert between the OGS north and west stormwater ditches - the access ramp at the northwest corner of the OGS will have to be excavated and temporarily closed to do this work.
- Install the stainless steel cage at the NGS-N Relief Ditch inlet structure.

Comanco:

- Continue liner deployment and detail work at the NGS-N Relief Ditch.
- Continue geocomposite installation in the OGS-S Reservoir.

Compass:

- Continue excavating and screening soil at Gulfstream I borrow area.
- Continue placement of soil slope cover on the OGS-S Reservoir slopes.
- Continue work on amending and grassing gypsum, and grassing soil cover.

5.0 SURVEY NOTES

- Picket performed a specific purpose survey for Moretrench on 1/6/06 on the portion of the NGS-N west slope that will be amended and grassed for Ardaman's use in evaluating field grade adjustments to compensate for minor existing grade discrepancies between the 3/2/05 Rooks topographic survey and recent Pickett ground survey along the top of the liner anchor trench excavation. Tabulated results were provided to Ardaman 1/6/06 and an electronic copy of a survey drawing was emailed to Ardaman on 1/9/06. Ardaman issued grade adjustment recommendations via email on 1/9/06. Copies of the cross section figures were distributed at the meeting.
- Picket performed an as-built survey on 1/6/06 for Moretrench on the portion of the OGS west slope above the liner anchor trench excavation (i.e., on the upper slope that will be amended and grassed) from Station 134+30 to the access ramp at the northwest corner; an electronic copy was emailed to Ardaman on 1/9/06, and a hard copy was provided at the meeting.

6.0 PROJECT SCHEDULE

- Workdays lost to weather this reporting period: Moretrench 0, Comanco 0, Compass 0.
- CDM met with its subcontractors on 1/10/06, and the project schedule is presently being updated. CDM indicated that the schedule update will be distributed by email in pdf format by the close of business on 1/17/06. Ardaman requested an electronic copy in Microsoft format as well. CDM stated that meetings with subcontractors have and will continue to precede schedule updates, and the updated schedule updated reflect agreements made during such meetings. Compass, Comanco and Moretrench indicated that they have no exceptions to the current schedule.
- Weekend work schedule: No work is planned by Contractors this weekend, except Compass will operate the screens on Saturday, and plans to compact soil cover on the OGS-S slopes.

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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).

- No activity this report.

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. Current drawings, dated 12/16/05, were distributed at the 12/16/05 meeting for Slope Cover Construction - OGS Ponds. Current drawings (including all detail drawings for structures, drains, etc.), dated 12/22/05 (various revision nos.), for the Phase II Slope Closure were delivered to CDM at the site on 12/23/05. ***Current drawings (including all detail drawings for structures, drains, etc.), dated 1/11/06 (various revision nos.), for the SCP-South Compartment Closure were distributed, along with CD's containing ACAD files for all current for the SCP-South and Phase II slope Closure drawings, at the meeting.***

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. Additional supplemental specifications for "Woven Geotextile" and "General Earthwork Using Soil" (Sections 31 and 32, both revision 1, dated 1/4/06) were distributed at the meeting on 1/5/06.

- 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.
- Preliminary drawings and CD's were distributed at the 9/15/05 meeting for the NGS-S Soil Slope Cover Construction, C-1 through C-5 for Contractor's use in estimating take-off quantities.

Quality Control Activities

- Ardaman had 7 technicians on site this reporting period.
- In-place gypsum density tests - 749 tests passing, 3 failing (OGS south slope below the 1:1 cut), none pending.
- In-place soil fill density tests - 87 passing, none failing, none pending.
- NGS-N Relief Ditch liner seam destructive testing (DT's): 19 marked, 8 passing, 1 failing (DT-3), 8 pending. A summary of DT results (dated 1/11/06, revision 0) was distributed at the meeting.
- 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 - summary of testing status report was last updated on 12/22/05 (revision 1) - 23 rolls (of 23 total) were conditionally approved for deployment at the 12/22/05 meeting.

Miscellaneous

- Rainfall: CDM reported 0.06 inches from 1/3/06 through 1/9/06.
- CDM was requested at the 12/22/05 construction meeting to wrap the OGS-S inlet screen with geotextile fabric. This needs to be undertaken ASAP to prevent deposition of soil sediment in the inlet structure and outlet pipe.
- Contractor responsibility for removing/relocating concrete ballast bags in the OGS Reservoirs during slope cover construction is not yet resolved. This work is presently being performed by Comanco.
- Regarding excessive ruts observed on 1/5/06 in the soil cover along some sections of the OGS-S Cap and OGS Slope Pond, Compass indicated that the subject areas have been mulched and disked, and requested that they be revisited.
- Moretrench indicated that excess gypsum materials, where encountered during final grading operations for the OGS stormwater ditch liner subgrade, are currently being stockpiled in the ditch area and requested direction regarding disposition of this material. Ardaman indicated that the quantification and disposition would be evaluated pending

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review of as-built surveys. *[One option discussed with CDM after the meeting, as described in a 1/13/06 Ardaman email, is to temporarily stockpile excess gypsum within designated areas along the inside edge of the process water return ditch for future use in grading operations associated with closure of the return ditch].*

Acceptances

- NGS-S Cap soil cover for grassing - on 1/5/06.
- OGS-S slope for gypsum amendment and grassing - on 1/6/06, from station 100+00 to 117+00.

9.0 COMMENTS by PROGRAM MANAGER

- 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/Compass also indicated that their soil cover quantity estimate for the OGS Slope Pond is being revised/corrected.
- Regarding the current condition of the existing grass on the west slope of the NGS-N Compartment, Ardaman sampled for pH and conductivity at several locations at CDM's request. Results were reported at the meeting as follows: each of three samples taken from the top 2" (upper and lower slope locations) displayed a pH value of about 5.0 and conductivity of about 3,000 micromhos/cm; samples taken from 2-6" depth at the same locations also displayed pH values of about 5.0. Additional samples will be taken from 2-6" to check conductivity. *[Prior testing of samples representing the upper 6 inches at 8 locations taken after amendment and initial seeding and mulching on 6/28/04 indicated pH values ranging 5.5 to 6.4, and conductivities ranging from 2,200 to 2,570].*
- Compass was requested to submit a cost proposal for the filtration drain associated with the planned OGS-N Reservoir soil cover construction.

10.0 COMMENTS by FDEP

FDEP was not represented at the meeting.

11.0 COMMENTS by the RECEIVER

The Receiver was not represented at the meeting.