

ARDAMAN & ASSOCIATES, INC. PROGRESS MEETING REPORT FOR PINEY POINT GYPSUM STACK SYSTEM CLOSURE		File No.: 05-110A	Page 1 of 4
		Meeting Date: <u>1/5/06</u>	
		Report No: <u>42</u>	Report Date: <u>1/11/06</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: Nadim Fuleihan, Tom Leto, Rob Werner, John Cameron, Tony Deatherage Receiver: Louis Timchak FDEP: John Coates, Sam Zamani CDM: Dean Carter, Mike Cruz, Steve Solters, Jean Wilson, Kevin A'Hearn Moretrench: Steve Voytko, Ralph Remmert, 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, 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, January 12, 2006
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:

- Continued work on the OGS west and north slopes, ditches and toe roads; also worked on the NGS-N west ditch and toe road. Approximately 5,860 cy of gypsum was hauled (by truck load estimate) since last report.
- Process water usage this report - approximately 250,000 gallons.
- Equipment: 4 D-6 dozers, 1 D-8 dozer, 4 compactors, 2 backhoes, 1 water wagon, 2 dump trucks - 14 personnel.

Comanco:

- Completed deployment of approximately 9,200 sf (0.2 acres) 40-mil liner on the on the NGS-S Cap perimeter road ~ station 111+00.
- Started deployment of 60-mil liner at the north/east end of the NGS-N Relief Ditch; approximately 86,700 sf (2.0) was deployed since last report.
- Started geocomposite installation in the OGS-S Reservoir; approximately 12,640 sf was installed since last report.
- Equipment: 1 QC trailer, 6 generators, 3 wedges, 4 extruders, 2 jumping jack compactors, 2 sewing machines, 1 backhoe, 1 loader, 1 gator -20 personnel.

Compass:

- Continued segregating and screening soil stockpiles.
- Hauled additional 242 cy (by truck load estimate) soil fill to complete the NGS-N Cap.
- Completed hauling soil fill from Gulfstream I borrow area to the NGS-S Cap on 12/28/05; 5,038 cy was hauled since last report.

ARDAMAN & ASSOCIATES, INC. PROGRESS MEETING REPORT FOR PINEY POINT GYPSUM STACK SYSTEM CLOSURE	File No.: 05-110A	Page 2 of 4
	Meeting Date: <u>1/5/06</u>	
	Report No: <u>42</u>	Report Date: <u>1/11/06</u>
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

- Started hauling soil fill on 12/27/05 from Gulfstream I borrow area for cover on the OGS-S Reservoir slopes; 6,886 cy was hauled as of 1/4/06.
- Amended gypsum and grassed the remainder of the NGS-N Relief Ditch.
- Started grassing soil cover on the OGS Caps and slope pond.
- Fresh Water usage this report - approximately 30,000 gallons.
- Equipment: 8 dump trucks, 2 water wagons, 2 loaders, 3 backhoes, 3 dozers, 3 power screens, 2 compactors, 2 motor graders - 22 operators.

4.0 PROJECTED WORK FOR NEXT WEEK

Moretrench:

- Continue work on the OGS west and north slopes, ditches and toe roads, and NGS-N west ditch and toe road.

Comanco:

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

Compass:

- Continue segregating and screening soil stockpiles at Gulfstream I borrow area.
- Continue placement of soil slope cover on the OGS-S Reservoir slopes.

5.0 SURVEY NOTES

- Pickett performed a ground survey for CDM on 12/14/05 to document existing grades in the SCP south compartment; Ardaman converted Pickett's file to pdf format and distributed by email on 12/28/05.
- Pickett performed an as-built survey on 12/21/05 for Moretrench for the balance of the NGS-N Relief Ditch. The survey was reviewed by Ardaman and comments were distributed by email on 12/23/05, noting that the ditch liner subgrade was not in compliance at stations 223+00 and 225+00. Subgrade at these stations was re-surveyed by Pickett on 12/30/05 and found to be in compliance.
- Pickett performed an as-built survey on 12/30/05 for Compass of soil cover on the NGS-S Cap.

6.0 PROJECT SCHEDULE

- Workdays lost to weather this reporting period: Moretrench 0, Comanco 1, Compass 0.
- The project schedule was updated by CDM through work performed on 1/4/06, and was distributed and discussed at the meeting. CDM in particular reviewed additional activities associated with the SCP south compartment closure, which have been added since last update. See 10.0 Comments by FDEP for more.
- Ardaman requested an electronic copy of the updated schedule in Microsoft Projects format.
- Weekend work schedule: No work is planned by Contractors this weekend, except Compass will operate the screens on Saturday - will advise regarding soil cover.

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).

- CDM forwarded a submittal to Ardaman which was received from Compass for fertilizer for soil cover - the submittal was approved as submitted by email on 1/3/06.

ARDAMAN & ASSOCIATES, INC. PROGRESS MEETING REPORT FOR PINEY POINT GYPSUM STACK SYSTEM CLOSURE	File No.: 05-110A	Page 3 of 4
	Meeting Date: <u>1/5/06</u>	
	Report No: <u>42</u>	Report Date: <u>1/11/06</u>
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. 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. Drawings sets dated 12/16/05 were distributed at the 12/16/05 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. ***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.***

- 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.
- 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 were distributed at the 12/16/05 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). Full drawing sets, including all detail drawings for structures and drains, were delivered to CDM at the Site on 12/23/05.
- 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 were distributed at the 12/16/05 meeting as follows: drawings G-1 through G-5 (dated 11/28/05), drawings C-1 and C-2 (dated 11/28/05), drawings C-3 and C-4 (dated 12/7/05) and drawing L-1 (dated 11/28/05). Full drawing sets, including all detail drawings for structures and drains, will be issued shortly.

Quality Control Activities

- Ardaman had 7 technicians on site this reporting period.
- In-place gypsum density tests - 740 tests passing, 3 failing (OGS south slope below the 1:1 break), none pending.
- In-place soil fill density tests - 86 passing, 1 failing (NGS-S Cap west slope), none pending.
- NGS-S Cap liner seam destructive testing (DT's): 39 marked, 39 passing, none failing, none pending. A summary report of testing status was updated on 1/5/06 (revision updated final) and was distributed at the meeting; DT testing is complete for the NGS-S Cap.
- NGS-N Relief Ditch liner seam destructive testing (DT's): 10 marked, 10 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.
- 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 0.81 inches from 12/20/05 through 1/2/06.
- CDM was requested at the 12/22/05 construction meeting to wrap the OGS-S inlet screen with geotextile fabric.
- Regarding the gypsum material presently stockpiled along the OGS south toe of slope - Moretrench indicated that they prefer not to push the "excess" gypsum up onto the OGS south slope, and Moretrench agreed to haul the "excess" gypsum for use elsewhere at the cost of slope fill (not hauled fill) if the requirement to place the material on the south slope is waived. CDM requested that Ardaman provide station numbers to delineate the OGS south slope area that can be released, based on passing density tests and as-built survey review, for gypsum amendment and grassing.
- Moretrench indicated at the 12/22/05 meeting that material being excavated at the south end of the OGS west ditch is very hard; extra claim notwithstanding, they will proceed with work in this area as equipment availability permits. Moretrench re-iterated their intent to focus near-term grading operations on the northern portion of the Phase I stormwater ditch.

ARDAMAN & ASSOCIATES, INC. PROGRESS MEETING REPORT FOR PINEY POINT GYPSUM STACK SYSTEM CLOSURE	File No.: 05-110A	Page 4 of 4
	Meeting Date: <u>1/5/06</u>	
	Report No: <u>42</u>	Report Date: <u>1/11/06</u>
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	

- Contractor responsibility for removing/relocating concrete ballast bags in the OGS Reservoirs during slope cover construction is not yet resolved.
- Regarding cut/fill balance at the south end of the NGS-N west slope, Ardaman provided figures by email on 1/4/06 to CDM and Moretrench to illustrate grading adjustments that may be made to locally balance cut/fill. Copies of the drawings were also distributed at the meeting.
- Regarding geocomposite installation, Ardaman responded by email on 12/30/05 to CDM/Comanco's request for direction for proper installation.
- Ardaman and the FDEP expressed concern regarding excessive ruts observed in the soil cover along some sections of the lined slopes in the OGS-S Cap caused by the tractor during recent seeding operations. It appeared that the soil cover near the upper slope had yielded to some extent (possibly due to wet conditions) which may have decreased the cover thickness to less than 24 inches in some areas. Similar rutting was observed in the OGS Slope Pond. Compass requested that the subject areas be revisited upon completion of mulching and disking activities.

Acceptances

- NGS-N Relief Ditch for gypsum amendment and grassing - on 12/29/05, balance of the Relief Ditch upper slopes.
- OGS-S Cap Areas soil cover for grassing - on 12/29/05, the OGS-N Cap pond; refer to Ardaman email on 12/29/05 regarding roadway areas which Compass has elected to utilize for hauling and postpone final grading.
- NGS-N Relief Ditch gypsum subgrade for liner - on 1/5/06, from station 209+00 to 225+00, exceptions as noted.
- NGS-S Cap soil cover for grassing - survey results were reviewed and discussed at the meeting, in addition to density tests and depth checks by Ardaman. All areas were in compliance, except 1 failing density test on the east slope, and cover was deficient on the east perimeter road - this should be corrected before trafficking this road.

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 and OGS slope pond, for which CDM is waiting on input from Compass.
- Change order #8, for installation of the OGS-S filter drain, was approved by FDEP on 1/3/06.
- Regarding the current condition of the existing grass on the west slope of the NGS-N Compartment, CDM is presently considering re-seeding. Ardaman was requested to sample for pH and conductivity.

10.0 COMMENTS by FDEP

- While it was recognized that considerable scheduling detail has been added by CDM for the SCP south compartment closure, and that detail drawings for structures and drains will not be issued by Ardaman until next week, FDEP expressed concern that several key activities still need to be incorporated in the CDM schedule in order to evaluate this portion of the project schedule: e.g., shutting down the spray evaporation system, dewatering and excavation of the relief ditch in the sludge-filled area between compartments, dewatering ditches and access roads in the sludge areas, excavation for the base of the partition dike, installation of reinforcement geotextile, etc. CDM and Moretrench indicated that they are still evaluating how to handle the sludge in particular, and need more time to complete their evaluation. Currently available information was reviewed, and CDM was encouraged to initiate activities related to dewatering and excavation of the relief ditch as soon as possible within the specific guidelines reiterated at the meeting.
- Additionally, FDEP reviewed project schedule activities for gypsum work by Moretrench, and in particular requested confirmation that the phase 2 slope closures will start on 2/3/06 as presently scheduled, irrespective of whether or not phase 1 slope closures are complete. Regarding work by Comanco and Compass, they indicated that they need more time to review the schedule before commenting.

11.0 COMMENTS by the RECEIVER

It was requested that a "master set" of all drawings and specifications should be maintained on site. CDM advised that a register of all meeting minutes, handouts and drawings are maintained in files on site. Ardaman advised that completion documents for each phase of the work include all design changes and as-builts.