

ARDAMAN & ASSOCIATES, INC. PROGRESS MEETING REPORT FOR PINEY POINT GYPSUM STACK SYSTEM CLOSURE		File No.: 06-110A Meeting Date: <u>2/22/07</u> Report No: <u>101</u>	Page 1 of 5 Report Date: <u>2/28/07</u>
Project Name:	CLOSURE CONSTRUCTION - OGS SLOPES, TOP CAPS & RELIEF DITCH, SCP-S AND PHASE II - NGS SLOPES		Project Address: 300 U.S. Highway 41 North Palmetto, Florida 34221 Manatee County
ATTENDEES: Ardaman: Nadim Fuleihan, Rob Werner, John Cameron, Tony Deatherage FDEP: John Coates, Sam Zamani CDM: Dean Carter, Mike Cruz, Jean Wilson, George Curry Comanco: Compass: Jeremy Giles, Tim Morrow Moretrench: HRK:			

COPY TO: 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
 Comanco: Tom Topp, Paul Moore
 Compass: Tim Morrow, Jeremy Giles, Tom McSweeney
 Moretrench: Mike Panny, Ralph Remmert
 HRK: Art Roth, Ivan Nance

Next Meeting is Scheduled for Thursday, March 1, 2007
Construction/Engineering Meeting at 9:00 am

1.0 REVIEW MINUTES OF PREVIOUS MEETING

- 9.0 Comments by Program Manager - regarding the pending proposal for gravel erosion protection, yet to be installed along the inboard slope of the access road at the toe of the OGS-S slope cover, it was noted that CDM/Compass have previously agreed to leave existing access ramps until the this work is done. Hence, this activity need not proceed immediately after soil cover completion.

2.0 SAFETY

- No safety incidents were reported.

3.0 SUMMARY OF WORK PERFORMED

Compass:

- Well Water usage - none since last report.
- Continued grading soil cover in the Phase I stormwater ditches and excavating rip-rap pads - no soil fill was hauled since last report.
- Installed sod in Phase I stormwater ditches - NGS-N west ditch.
- Continued repairs on NGS-S Phase II east slope - dolomite complete, seed and mulch in progress.
- Continued installing silt fence at Gulfstream II borrow area.
- Equipment: 6 dump trucks, 2 water trucks, 2 D6 dozers, 1 D8 dozer, 2 excavators, 1 motor grader, 3 club carts, 1 ditch witch - 8 personnel. Some equipment (e.g., dump trucks) is not currently being used.

Moretrench

- Completed CDM punch list items and demobilized.

CDM

- Continued dewatering SCP-S west compartment.

ARDAMAN & ASSOCIATES, INC. PROGRESS MEETING REPORT FOR PINEY POINT GYPSUM STACK SYSTEM CLOSURE	File No.: 06-110A	Page 2 of 4
	Meeting Date: <u>2/22/07</u>	
	Report No: <u>101</u>	Report Date: <u>2/28/07</u>
CLOSURE CONSTRUCTION - OGS SLOPES, TOP CAPS & RELIEF DITCH, SCP-S AND PHASE II - NGS SLOPES		Project Address: 13300 U.S. Highway 41 North Palmetto, Florida 34221 Manatee County

- Continued hauling soil fill from Basin 2 to the NCP perimeter dike and grading/compacting.
- Continued sizing and installing rip-rap in the Phase I stormwater ditch rip-rap pads.
- Continued dredging SCP-N compartment (Dredge America). Volume of dredged material was estimated at 141,088 cy as of 2/19/07.
- Equipment: 2 dump trucks, 1 loader, 2 dozers, 2 excavators, 1 6-inch Godwin pump, 1 backhoe/loader w/hydraulic hammer - 13 personnel. Added John Deere 624 loader since last report.
- Materials received this week, all for SCP Phase II closure: 1 ea 48-inch seepage collection drain manhole, 26 ea 6-inch/12-inch drain collector/header connectors.

4.0 PROJECTED WORK FOR NEXT WEEK

Compass:

- Continue grading soil cover, excavating rip-rap pads, and sod installation in the Phase I stormwater ditches.
- Continue repairs on NGS-S Phase II east slope, including re-grassing.
- Continue silt fencing at Gulfstream II; also start excavating recharge ditches and installing sock drains.; should start hauling soil fill from ditches at reduced rates.

CDM

- Continue dewatering SCP-S west compartment.
- Continue dredging the SCP-N (Dredge America).
- Continue sizing and installing rip-rap.
- Continue hauling soil fill from Basin 2 to NCP perimeter dike and grading/compacting.

5.0 SURVEY NOTES

- CDM/Edgemon were requested at the 2/15/07 meeting to provide electronic ACAD files of the as-built surveys for the Phase II Slope Closure stormwater ditch drain installation and liner subgrade, and stormwater pond and liner subgrade.
- Regarding the CDM/Dredge America/Land and Sea pre-dredge survey results, 3-D ACAD files were received by Ardaman by email on 1/24/07. A telephone conference call took place on 2/2/07 attended by CDM, Dredge America, Land and Sea, Ardaman and FDEP to discuss apparent discrepancies in the survey. Land and Sea re-checked and revised their survey drawings based on the original Rook's survey references on site; there is still a discrepancy between the pre-dredge sludge quantities estimated by Ardaman and CDM/Dredge America/LSS are unresolved.
- CDM/Edgemon as-built surveyed the NGS-N west ditch soil cover for sod on 2/20/07, and the OGS north ditch soil cover for rip-rap, also on 2/20/07.

6.0 PROJECT SCHEDULE

- Compass lost 1 workday to rain this reporting period.
- The project schedule was updated by CDM, distributed by email on 2/20/07, and distributed and discussed at the meeting. Activities are essentially unchanged except to update work progress. CDM indicated that the SCP closure continuation did not resume on 2/19/07 as indicated. CDM is in the process of checking a number of items related to their proposed schedule of values for the SCP resolution agreement based on recent discussions with FDEP and Ardaman..
- Regarding permitting status of the Compass Gulfstream II borrow area, Compass indicated Manatee County construction and temporary use permits are in hand, but Gulfstream still needs WUP and ERP permits from SWFWMD to obtain a Manatee County operating permit.
- Weekend work schedule: Dredge America 24 hrs - 7 days/wk; CDM will advise.

ARDAMAN & ASSOCIATES, INC. PROGRESS MEETING REPORT FOR PINEY POINT GYPSUM STACK SYSTEM CLOSURE	File No.: 06-110A	Page 3 of 4
	Meeting Date: <u>2/22/07</u>	
	Report No: <u>101</u>	Report Date: <u>2/28/07</u>
CLOSURE CONSTRUCTION - OGS SLOPES, TOP CAPS & RELIEF DITCH, SCP-S AND PHASE II - NGS SLOPES	Project Address: 13300 U.S. Highway 41 North Palmetto, Florida 34221 Manatee County	

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 submitted PTI certifications for the P34 slotted corrugated pipe, to Ardaman by email on 2/21/07.

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. Revised Phase I Slope Closure drawing Nos. C-2, C-5, C-6, D-6, D-9, D-10, D-11), dated 2/15/06 (various revision nos.) were distributed at the 2/16/06 construction meeting to reflect changes related to lowering the OGS south stormwater ditch seepage collection drain. Electronic (ACAD) are available for download from Ardaman's ftp web site. 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 on 1/12/06, along with CD's containing ACAD files for all current for the SCP-South and Phase II slope Closure drawings. Revised SCP-South Compartment Closure Drawing No. D-6, dated 2/15/06 (Rev. 1), was distributed at the 2/16/06 construction meeting to reflect changes related to the lowered the OGS south seepage collection drain - an electronic version (ACAD) was emailed to CDM and Moretrench on 2/28/06. Regarding finish grades for the SCP-S Process Water Sump, a drawing was provided by Ardaman at the 7/6/06 construction meeting (and attached to meeting minutes) indicating optional design grades for the pond bottom area, which were adopted by CDM/Compass. Drawing Nos. C-1, C-3, C-4, D-1 and L-1 will be updated for the record to indicate the revised grading plan.

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.

- 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.
- Preliminary drawings for the NCP capacity upgrade project were revised; CAD files were emailed to CDM on 7/19/06 and 4 sets of hard copies were distributed at the 7/20/06 construction meeting. Preliminary technical specifications (revision P1) were emailed to CDM on 7/14/06.
- Drawings were distributed by Ardaman at the 7/20/06 meeting for additional panel drains required in the following areas: OGS Slope Pond, OGS-N Cap, OGS west and south ditches, and the NGS-S east ditch. Copies of these figures were attached to the electronic version of the meeting minutes.
- Drawings were distributed by Ardaman at the 10/5/06 meeting to add 4-inch bleeder orifices at structure #7 in the OGS Slope Pond. (CDM will complete this work which was included in the scope of the previously executed change order that involved installation of additional panel drains.)
- Preliminary drawings were distributed at the 10/19/06 meeting for the SCP-S and SCP-N as follows: C-1, C-2, C-3, C-4 and L-1, all revision 0, dated 10/20/06. Electronic versions of Dwg. Nos. C-1 and L-1 were provided via email on 10/20/06. Drawing C-1, revision 1, dated 10/31/06, was distributed at the meeting (hard copies and CD's).
- Final drawing sets for the SCP phase 2 closure, dated 11/8/08, including all detail and liner drawings, were issued for construction and distributed at the 11/16/06 meeting (hard copies and CD's). Additional signed large Drawings were distributed at the meeting.
- Ardaman provided hard copies and a CD for Phase II Slope Closure drawing revisions on 12/14/06 as follows: C-1, revision 2, and D-2, revision 1, both dated 12/13/06.

ARDAMAN & ASSOCIATES, INC. PROGRESS MEETING REPORT FOR PINEY POINT GYPSUM STACK SYSTEM CLOSURE	File No.: 06-110A	Page 4 of 4
	Meeting Date: <u>2/22/07</u>	
	Report No: <u>101</u>	Report Date: <u>2/28/07</u>
CLOSURE CONSTRUCTION - OGS SLOPES, TOP CAPS & RELIEF DITCH, SCP-S AND PHASE II - NGS SLOPES		Project Address: 13300 U.S. Highway 41 North Palmetto, Florida 34221 Manatee County

Quality Control Activities

- Ardaman had 5 technicians on site this reporting period.
- In-place gypsum/soil density tests
 - Phase I slope closure - no change - 945 passing, none failing, none pending
 - Phase II slope closure - no change - 331 passing, none failing, none pending
- In-place soil fill density tests
 - OGS reservoir slope cover - no change - 59 passing, none failing, none pending
 - Phase I stormwater ditches soil cover - no change -17 passing, none failing, none pending
 - NCP top-of-dike - 4 pending
- NCP slurry wall soil/bentonite backfill permeability tests - 19 passing, testing complete. A summary of test results, dated 2/16/07, was distributed at the meeting.

Miscellaneous

- Rainfall: 0.93" of rainfall was reported by CDM for the period from 2/13/07 through 2/20/07.
- CDM and Ardaman continue to monitor the Granddaddy Boil location and at the site of the SCP-N south dike repair.
- A conference call between CDM, Ardaman (Nadim Fuleihan and Tom Leto) and FDEP (Sam Zamani) took place after the 2/1/07 construction meeting to discuss the completed repair of the critical condition discovered on 1/31/07 on the SCP-N south dike, and to review operating guidelines for the dredging operation. The agreed-upon operating guidelines are documented in an email from Ardaman dated 2/1/07.

Acceptances

- On 2/20/07 soil cover grade for sod installation in the NGS-N west ditch
- On 2/20/07 soil cover grade for rip-rap installation in the OGS north ditch
- On 2/22/07 certificate of acceptance for the NCP slurry wall extension installed by Inquip.

9.0 COMMENTS by PROGRAM MANAGER

- A proposal for gravel erosion protection, yet to be installed along the inboard slope of the access road at the toe of the OGS-S slope cover, was last discussed by conference call on 2/13/07 between FDEP, CDM and Ardaman. [Ardaman forwarded a sketch to CDM showing a potential cross section revision that may be considered to reduce the required gravel quantity via email on 2/23/07.] See 1.0 Corrections for more.
- A tabulation for grassing work to date was received by CDM from Compass, and forwarded to FDEP on 10/2/06. CDM provided an update with acreage information to Ardaman by email on 12/13/06. Additional information is necessary, for uncompleted activities as well as those being invoiced, in order to utilize this table to substantiate invoice quantities - Ardaman met with CDM and Compass on 1/1/07 to review preliminary boundary maps and quantities prepared by Ardaman. Ardaman updated their boundary map and provided a copy by email to CDM/Compass at their request; an ACAD file was sent by email on 2/14/07. Ardaman estimate was completed; CDM/Compass estimate is in progress.
- CDM requested Compass to provide a cost proposal for closure work in designated areas adjacent to the plant.

10.0 COMMENTS by FDEP

- Change Order No. SP644-018 (dredge/mobilization costs and NCP capacity increase) was approved by FDEP and distributed by email on 2/16/07.
- FDEP, Ardaman and CDM discussed CDM's latest revised schedule of values proposed in conjunction with the resolution agreement for the SCP-NCP closure work during a conference call on 2/21/07. CDM is in the process of checking several items.
- As indicated last meeting, CDM was requested to provide a weekly update via email on the progress and schedule for completion of the Manatee sewer connection and associated infrastructure.

11.0 COMMENTS by HRK ... HRK was not represented at the meeting.