

ARDAMAN & ASSOCIATES, INC. PROGRESS MEETING REPORT FOR PINEY POINT GYPSUM STACK SYSTEM CLOSURE		File No.: 06-110A	Page 1 of 4
		Meeting Date: <u>5/17/07</u>	
		Report No: <u>113</u>	Report Date: <u>5/23/07</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: Rob Werner, John Cameron, Tony Deatherage FDEP: CDM: Mike Cruz, Jack Partin, Jean Wilson, George Curry Comanco: Compass: Mike Slovensky, Jeremy Giles 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 Slovarg
 Comanco: Tom Topp, Paul Moore
 Compass: Tim Morrow, Jeremy Giles, Tom McSweeney
 HRK: Art Roth, Ivan Nance

Next Meeting is Scheduled for Thursday, May 24, 2007
Site Tour at 8:00 am followed by
Construction/Engineering and CDM Operations Meetings at 9:00 am

1.0 REVIEW MINUTES OF PREVIOUS MEETING

- No corrections were noted.

2.0 SAFETY

- A CDM excavator came in contact with FP&L overhead power lines on 5/14/07, while clearing a ditch of vegetation, resulting in property damage. The operator has been re-assigned, and will no longer operate equipment in the construction arena.

3.0 SUMMARY OF WORK PERFORMED

Compass:

- Well Water usage - none since last report.
- Water seed and sod areas.
- Continued hauling soil from the Gulfstream II borrow area.
- Continued placing soil cover on the Phase I south stormwater ditch liner. Also placed soil on the NGS-S east perimeter road. A report of estimated quantity of soil cover placed was not available at the meeting
- Equipment: 6 dump trucks, 1 water truck, 2 D6 dozers, 1 D8 dozer, 2 excavators, 1 motor grader, 2 club carts - 11 personnel. Some equipment (e.g., dump trucks) is not currently being used.

Comanco

- Comanco was not represented at the meeting - a report was submitted by email on 5/16/07.
- Received additional liner rolls for the SCP - 45 rolls of 40-mil smooth and welding rod.

CDM

- Continued grading and compacting the SCP-S west compartment.
- Continued cleaning gypsum from Phase II lined stormwater ditches.

ARDAMAN & ASSOCIATES, INC. PROGRESS MEETING REPORT FOR PINEY POINT GYPSUM STACK SYSTEM CLOSURE	File No.: 06-110A	Page 2 of 4
	Meeting Date: <u>5/17/07</u>	
	Report No: <u>113</u>	Report Date: <u>5/23/07</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

- Repaired 6-inch clean-out at Phase II inlet structure #3. Also cleaned up and restored rip-rap at Phase I structure #5 - see 8.0 Technical Items, Miscellaneous for more.
- Completed installation of manhole #'s 1 and 2 and the relief drain manhole at the SCP-S.
- Backfilled notch located near the SE corner of the SCP-N.
- Equipment: 4 dump trucks, 1 loader, 4 D6 dozers, 5 excavators including 1 long-stick, 2 compactors, 2 water trucks, 1 4-inch double diaphragm pump, 3 6-inch service pumps, 1 2-inch pump - 20 personnel. Added 1 Caterpillar water truck since last report.

4.0 PROJECTED WORK FOR NEXT WEEK

Compass:

- Water and repair seeded and sodded areas.
- Resume sod installation at the Phase I OGS-S west stormwater ditch.
- Continue hauling soil from the Gulfstream II borrow area and placing soil cover on the Phase I stormwater ditch liner; also work at access ramp(s) on east side of NGS, and perimeter berm on south side of NGS.

Comanco:

- CDM reported that Comanco is scheduled to start mobilization for the SCP liner installation on 5/21/07. Liner deployment could start 5/23/07, pending subgrade as-built survey and acceptance.
- CDM also reported that CDM/Comanco would start repairs on 5/21/07 at several locations in the ditches where liner has been damaged.

CDM

- Continue grading and compacting the SCP-S west compartment.
- Resume stockpiling sludge in the SCP-N.
- Start receiving Hillsborough County material for the SCP-N - approximately 50,000 cy is scheduled for delivery. See 9.0 Comments by Program Manager for more.
- Grass the NCP berm road and slopes.

5.0 SURVEY NOTES

- CDM/Edgemon surveyed the as-built elevation/width of the NGS-N north, east and south crest roads, and provided a hard copy of the survey to Ardaman at the 5/10/07 meeting; a review is in progress.
- CDM/Edgemon is scheduled to as-built survey a portion of the SCP-S for liner subgrade on 5/18/07.

6.0 PROJECT SCHEDULE

- No workdays were lost to rain this reporting period.
- CDM will update and distribute the project schedule on 5/22/07.
- Weekend work schedule: CDM and Compass on Saturday, CDM possibly on 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).

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

ARDAMAN & ASSOCIATES, INC. PROGRESS MEETING REPORT FOR PINEY POINT GYPSUM STACK SYSTEM CLOSURE	File No.: 06-110A	Page 3 of 4
	Meeting Date: <u>5/17/07</u>	
	Report No: <u>113</u>	Report Date: <u>5/23/07</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

(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.
- 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.
- 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 (hard copies and CD's). Additional signed large drawings sets were distributed at the meeting. Supplemental drawings were distributed at the 3/29/07 meeting to clarify installation of the SCP-S seepage collection drain system between point nos. 14 and 23 (end of drain). It was noted at the 4/5/07 meeting that the east end of the drain may be shortened to accommodate installation of a cut-off wall that is being considered in conjunction with design discussions related to the proposed Buckeye Road groundwater collection drain.
- 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.
- Drawings C-1, C-2, D-1, D-2 and D-3 were distributed at the 4/5/07 meeting for the First 50 percent - Plant Watershed Areas.
- Ardaman distributed a detailed grading plan figure at the 5/10/07 meeting to clarify the transition from typical berm section to outlet pipe profile at the locations of the SCP cap outlets.

Quality Control Activities

- Ardaman had 4 technicians on site this reporting period.
- In-place gypsum/soil density tests
 - Phase II SCP closure - 56 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 - 40 passing, none failing, none pending.
- SCP liner conformance testing was last updated on 5/9/07 (revision 0).

Miscellaneous

- Rainfall was reported by CDM at 0.00" from 5/10/07 through 5/15/07.
- CDM and Ardaman continue to monitor the Granddaddy Boil location.

ARDAMAN & ASSOCIATES, INC. PROGRESS MEETING REPORT FOR PINEY POINT GYPSUM STACK SYSTEM CLOSURE	File No.: 06-110A	Page 4 of 4
	Meeting Date: <u>5/17/07</u>	
	Report No: <u>113</u>	Report Date: <u>5/23/07</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

- It was noted at the 4/19/07 meeting that there is extensive erosion damage on the NGS-N north gypsum slope. Compass had indicated at that time that they would repair and re-seed with their own personnel. Compass was requested to provide qualifications to perform the seeding work. Based on more recent consultation with their grassing subcontractor (Tate), and considering a perceived improvement in seed germination, Compass/CDM have elected to continue watering and monitor germination progress prior to finalizing plans for repair/re-seeding.
- CDM reported that the sludge clean-up in the OGS west ditch at structure #5 is complete. [Ardaman inspected the area after the meeting and found the clean-up, including restoration of the #57 stone, to be acceptable.]
- CDM indicated at the 5/10/07 meeting that they intend to resume use of treated water for dust control and construction (i.e., moisture conditioning for compaction) within the interior areas of the SCP.
- The liner along a short section of the Phase II stormwater ditch (near the southeast corner of the NGS) was inadvertently damaged through the use of metal shovels during recent gypsum sediment removal operations. The areas requiring patches for repair of several surface scratches and gouges have been marked by Ardaman. CDM will have Comanco make these repairs upon their mobilization to the site (on or about 5/21/07).
- CDM indicated that they intend to resume use of treated water for dust control and construction (i.e., moisture conditioning for compaction) with the interior areas of the SCP. It was reported that this will start in a few days.
- Protection of the twin 18" gates valves on the NGS-N outlet pipeline and plans for final grading of the existing low area around the valves at the northwest corner of the NGS-N were discussed. Ardaman will provide a sketch.

Acceptances

- None since last report.

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.] It has been agreed that the existing access ramps will be left in place until this work is done.
- A conference call was held on 4/10/07 between CDM, Compass and Ardaman to discuss grassing tabulations and boundaries. Tabulations were summarized by Ardaman and reviewed at the 4/12/07 construction meeting, at which Compass was requested to review amended gypsum grassing acres, and to refine each of their estimates to an accuracy of 0.1 acre.
- CDM received a preliminary cost proposal from Compass for closure of the First 50 percent - Plant Watershed Area, which was forwarded to FDEP and discussed at the 4/26/07 Program Manager's meeting. There are still unresolved pricing issues regarding the power lines, well pump, etc.
- CDM indicated that they have received representatives on several occasions from Hillsborough County, to review logistics related to their potential supply and delivery of screened soil materials from stockpiles at the Central and South Service units. A proposed hauling route was distributed at the meeting

10.0 COMMENTS by FDEP

- FDEP was not represented at the meeting.
- The Department indicated at the 4/26/07 that they would schedule a conference call to review and prioritize soil cover activities in the schedule. Representatives from CDM, Compass and Ardaman will be requested to participate.

11.0 COMMENTS by HRK

- HRK was not represented at the meeting.