

ARDAMAN & ASSOCIATES, INC. PROGRESS MEETING REPORT FOR PINEY POINT GYPSUM STACK SYSTEM CLOSURE		File No.: 06-110A	Page 1 of 4
		Meeting Date: <u>5/3/07</u>	
		Report No: <u>111</u>	Report Date: <u>5/9/07</u>
Project Name:	CLOSURE CONSTRUCTION - OGS & NGS SLOPES, RELIEF DITCH, SCP-S AND SCP-N		Project Address: 300 U.S. Highway 41 North Palmetto, Florida 34221 Manatee County
ATTENDEES: Ardaman: Rob Werner (telecom), John Cameron, Tony Deatherage FDEP: CDM: Dean Carter, Mike Cruz, Jack Partin, Jean Wilson, George Curry, Steve Solters 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 Slovarp
Comanco: Tom Topp, Paul Moore
Compass: Tim Morrow, Jeremy Giles, Mike Slovensky, Tom McSweeney
HRK: Art Roth, Ivan Nance

Next Meeting is Scheduled for Thursday, May 10, 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 reported.

2.0 SAFETY

- No safety incidents were reported..

3.0 SUMMARY OF WORK PERFORMED

Compass:

- Well Water usage - none since last report.
- Continued work on sprinklers and washout repairs.
- Resumed work at the Gulfstream II borrow area - install sock drain, strip grass, install silt fence.
- Equipment: 6 dump trucks, 1 water truck, 2 D6 dozers, 1 D8 dozer, 2 excavators, 1 motor grader, 2 club carts - 9 personnel. 5 operators were added since last report.

CDM

- Continued grading and compacting the SCP-S west compartment, and dewatering the SCP-N compartment.
- Continued excavating sludge from the SCP center ditch and hauling to the Sludge Storage Area.
- Installed flange adapters onto SCP Manhole nos. 1 and 2 outlets, LPWS Relief Drain Manhole outlet, and 12-inch pipe.
- Resumed cleaning gypsum from Phase II lined stormwater ditches.
- Continued re-installation of the 8-inch force main, and performed hydrostatic pressure tests.
- Equipment: 4 dump trucks, 1 loader, 3 D6 dozers, 4 excavators including 1 long-stick, 2 compactors, 1 water truck, 1 4-inch double diaphragm pump, 3 6-inch service pumps 1 2-inch pump - 12 personnel. Added 1 John Deere dump truck, 1 Bomag smooth drum compactor, 1 John Deere excavator and 1 2-inch pump since last report.

4.0 PROJECTED WORK FOR NEXT WEEK

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Compass:

- Water and repair seeded and sodded areas, work on sprinkler systems.
- Continue preparation work at the Gulfstream II borrow area.
- Resume hauling soil fill for liner cover at the Phase I (OGS) ditches - 1 dozer will be used on fill placement.

Comanco:

- Comanco was not represented at the meeting. Delivery of 40-mil liner rolls is still scheduled to start on 5/7/07. CDM reported that they will start liner installation at the SCP on 5/14/07.

CDM

- Continue grading and compacting the SCP-S west compartment, and dewatering the SCP-N compartment.
- Continue excavating sludge from the SCP center ditch and hauling to the SCP Sludge Storage Area and the NCP.
- Install SCP manhole nos. 1 and 2, and the LPWS Relief Drain manhole.
- Grass the NCP berm road and slopes.
- Continue cleaning gypsum from Phase II lined stormwater ditches.

5.0 SURVEY NOTES

- An as-built survey is in progress by CDM/Edgemon of the force main installation.
- CDM/Edgemon provided survey elevations of power lines (in the plant watershed area) to Ardaman by email on 4/17/097; CDM will email additional data.
- CDM/Edgemon were requested at the 4/12/07 meeting to survey the elevation of the overflow notch at the southeast corner of the SCP-N compartment. The survey has been completed; CDM will email data.
- CDM/Edgemon will survey the as-built elevation/width of the NGS-N north, east and south crest roads and review the design options for closure.

6.0 PROJECT SCHEDULE

- No workdays were lost to rain this reporting period.
- CDM will update and distribute the project schedule on 5/8/07.
- Weekend work schedule: CDM and Compass on Saturday.

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/Comanco submitted panel placement drawings for the SCP Phase II liner to Ardaman on 4/30/07. The plan was conditionally approved on 5/1/07. CDM will coordinate with Comanco regarding bottom area panel orientation (E/W or N/S).
- Ardaman received factory testing summary reports via email from Agru-America for 31 rolls of 40-mil "microspike" textured liner (three of which are being held at the factory as "extras") on 4/30/07, 15 rolls of 80-mil textured liner on 4/30/07 and 31 rolls of 40-mil smooth liner (received on 5/7/07). Results received to-date indicated compliance with the specified factory testing requirements.

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

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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.

Quality Control Activities

- Ardaman had 3 technicians on site this reporting period.
- In-place gypsum/soil density tests
 - Phase II SCP closure - 41 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.

Miscellaneous

- Rainfall was reported by CDM at 0.00" from 4/23/07 through 5/1/07.
- CDM and Ardaman continue to monitor the Granddaddy Boil location.
- It was noted at the 4/19/07 meeting that there is extensive erosion damage on the NGS-N north gypsum slope. Compass indicated that they would repair and re-seed with their own personnel. Compass was requested to provide qualifications to perform the seeding work.

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- CDM/Compass were requested to submit a traffic routing plan for hauling soil cover, including proposed cross-overs at the NGS-S east stormwater ditch, for review by Ardaman.

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.

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.