

ARDAMAN & ASSOCIATES, INC. PROGRESS MEETING REPORT FOR PINEY POINT GYPSUM STACK SYSTEM CLOSURE		File No.: 06-110A Meeting Date: <u>3/8/07</u> Report No: <u>103</u>	Page 1 of 4 Report Date: <u>3/14/07</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 FDEP: Phil Coram, John Coates, Sam Zamani CDM: Mick Edgar, Steve Solters, Mike Cruz, Jean Wilson, Mike Carballa, Jack Partin Comanco: Compass: Jeremy Giles, Tim Morrow, Dan Felton HRK: Ivan Nance			

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, Mike Carballa, Jack Partin
 Comanco: Tom Topp, Paul Moore
 Compass: Tim Morrow, Jeremy Giles, Dan Felton, Tom McSweeney
 HRK: Art Roth, Ivan Nance

Next Meeting is Scheduled for Thursday, March 15, 2007
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

Compass:

- Well Water usage - 90,000 gals. since last report. Watered seeded and sodded areas.
- Continued grading soil cover in the Phase I west stormwater ditch and excavating rip-rap pads - no soil fill was hauled since last report.
- Installed sod in Phase I stormwater ditches - completed OGS north ditch and started OGS west ditch.
- Completed repairs on NGS-S Phase II east slope up to old access ramp - seeded and mulched lower slope area.
- Started drain installation at Gulfstream II borrow area - work was stopped by Manatee County on 3/5/07.
- Equipment: 6 dump trucks, 1 water truck, 2 D6 dozers, 1 D8 dozer, 2 excavators, 1 motor grader, 2 club carts - 8 personnel. Some equipment (e.g., dump trucks) is not currently being used.

CDM

- Continued dewatering SCP-S west compartment.
- Continued installing rip-rap in the Phase I stormwater ditch rip-rap pads.
- Started reconnecting pipes from NGS-N Relief Ditch and OGS-N Pond.
- Started watering roads.
- Comanco completed repairs at 3 locations - OGS west ditch (damaged by survey stake), OGS-S reservoir (damaged by concrete bag) and OGS-N reservoir (hole cut for air lance).
- Equipment: 2 dump trucks, 1 loader, 1 dozer, 2 excavators, 1 4-inch double diaphragm pump - 13 personnel. The dredge was demobilized on 3/5/07; also demobilized 1 dozer since last report.
- Materials received this week: for the Phase I OGS-N outlet pipe: 50' 16" HDPE-SDR11 pipe and fittings; for the Manatee County sewer line: 1000' 8" HDPE-SDR11 pipe and fittings.

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4.0 PROJECTED WORK FOR NEXT WEEK

Compass:

- Continue grading OGS west ditch soil cover, excavate rip-rap pads, and sod installation in the Phase I OGS west stormwater ditches.
- Start amendment and seeding of NGS-N north slope.
- Water seeded and sodded areas.
- Resume drain installation at Gulfstream II borrow area.

CDM

- Continue dewatering SCP-S west compartment; also pumping out SCP-N.
- Continue installing rip-rap pads.

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 surveys. CDM indicated that LSSC/Dredge America performed a post-dredge survey and CDM is awaiting the results. See 10.0 Comments by FDEP for more.
- CDM/Edgemon continued as-built surveys of soil cover and rip-rap subgrade for the Phase I stormwater ditches.
- CDM/Edgemon completed the as-built survey of the NCP dike crest road and slopes on 3/6/07; Ardaman requested an electronic ACAD file of the survey.

6.0 PROJECT SCHEDULE

- No workdays lost to rain this reporting period.
- The project schedule was updated by CDM and distributed by email on 3/6/07. CDM indicated that the schedule update reflects current work progress; the start date for SCP work was postponed to 3/19/07, pending resolution agreement for the SCP-NCP closure work. See 10.0 Comments by FDEP for more.
- Regarding permitting status of the Compass Gulfstream II borrow area, Compass' sock drain installation work was stopped by Manatee County on 3/5/07 until issuance of an operating permit, which is waiting on WUP and ERP permits from SWFWMD.
- Weekend work schedule: no work is scheduled this weekend.

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). None pending at this time.

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

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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.

Quality Control Activities

- Ardaman had 3 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 - 334 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 - 43 passing, none failing, none pending

Miscellaneous

- Rainfall was reported by CDM at 0.14" from 2/21/07 through 3/6/06.
- 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.

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Acceptances

- On 3/7/07 soil cover grade for sod installation in the OGS west ditch from the northwest ramp to station 134+50.

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 the this work is done.
- 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 be 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 at the 2/22/07 meeting to provide a cost proposal for closure work in designated areas adjacent to the plant.
- CDM introduced Jack Partin as their new Field Superintendent in charge of construction activities. Mike Cruz will retain responsibility for updating the schedule.

10.0 COMMENTS by FDEP

- 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. All parties agreed that the SCP closure work should resume ASAP and proceed in earnest to take advantage of dry season. The department is giving top priority to completing the resolution agreement, and CDM will do likewise in an effort to reach agreements next week.
- As indicated at the 2/15/07 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.
- FDEP requested that CDM provide an update of grassing schedule status by email on 3/12/07 - in particular, grassing of the NCP dike and NGS north slope. FDEP emphasized that grass establishment on the gypsum slopes should be a top construction priority.
- FDEP and Ardaman shared results of a number of post-dredge soundings/sampling performed by Ardaman in the SCP-N Compartment on February 27-28, 2007 for CDM's information. CDM is still awaiting the post dredging survey by Dredge America/Land and Sea. After review by CDM, it was recommended that results be distributed to FDEP and Ardaman and discussed by conference call

11.0 COMMENTS by HRK

- HRK indicated that demolition bids have been received, and that contract negotiations are in progress.
- It is anticipated that HRK's demolition contractor could be ready to start hauling TENORN debris for disposal in the Relief Ditch in about 2 months.