

ARDAMAN & ASSOCIATES, INC. PROGRESS MEETING REPORT FOR PINEY POINT GYPSUM STACK SYSTEM CLOSURE		File No.: 05-110A	Page 1 of 4
		Meeting Date: <u>2/23/06</u>	
		Report No: <u>49</u>	Report Date: <u>3/1/06</u>
Project Name:	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
ATTENDEES: Ardaman: John Cameron, Tony Deatherage Receiver: _____ FDEP: _____ CDM: Dean Carter, Steve Solters, Jean Wilson Moretrench: Steve Voytko, Harley Frady, Ralph Remmert, Mike Panny Comanco: Tom Topp Compass: Dan Felton, Vernon Giles, Tom McSweeney			

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, Rishi Vasudeva
 Compass: Dan Felton, Vernon Giles, Tom McSweeney

***Next Meeting is Scheduled for Thursday, March 2, 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. Comanco provided a written report to CDM for the 2/7/06 gator vehicle accident - CDM will forward to FDEP.

3.0 SUMMARY OF WORK PERFORMED

Moretrench:

- Completed compacting and finish grading the OGS west stormwater ditch from station 130+00 to the northwest ramp.
- Installed structure no. 9 in the OGS west stormwater ditch.
- Hauled 6 loads of gypsum for CDM for pipe crossings.
- Process Water usage this report - none.
- Well Water usage this report - approximately 155,000 gallons.
- Equipment: 3 D-6 dozers, 1 D-8 dozer w/ripper, 2 compactors, 2 backhoes, 1 water wagon, 2 dump trucks, 2 6-inch hydraulic pumps, 2 4-inch hydraulic pumps - 9 personnel. Added 1 6-inch hydraulic pump since last report.

Comanco:

- Continued 80-mil liner installation at the NGS-N west and OGS north stormwater ditch; 102,615 (2.4 acres) was installed as of 2/22/06 - liner deployment is complete for this portion of ditch. Also continued detail work and anchor trench gypsum compaction.
- Received an additional 35 rolls (100 total) of 80-mil textured liner for Phase I and II slope closure stormwater ditches.
- Equipment: 1 QC trailer, 6 generators, 3 wedges, 2 extruders, 2 jumping jack compactors, 2 sewing machines, 1 backhoe, 1 loader - 22 personnel.

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Compass:

- Completed excavating and screening soil from Marsh No. 7 - soil borrow in the Gulfstream I borrow area is now depleted.
- Continued hauling soil fill from Gulfstream I borrow area for cover on the OGS-S Reservoir slopes; 3,212 cy was hauled (estimated by truck load count) since last report; 60,112 cy total as of 2/20/06.
- Also hauled 770 cy (estimated by truck load count) to the NGS-N west stormwater ditch to provide a temporary crossing for the NGS-N spray field 24-inch HDPE pipe.
- Completed gypsum amendment, grassing and mulching the OGS west slope from station 117+00 to 134+30.
- Fresh Water usage this report - approximately 80,000 gallons.
- Re-seeded the NGS-N Relief Ditch north slope and the NGS-N west slope.
- Equipment: 4 dump trucks, 2 water wagons, 1 loader, 1 backhoe, 3 dozers, 2 compactors, 2 motor graders - 10 operators. Equipment demobilized since last report: 4 dump trucks, 1 backhoe, 1 power screen.

4.0 PROJECTED WORK FOR NEXT WEEK

Moretrench:

- Continue compacting and finish grading the OGS west stormwater ditch south of station 130+00.
- Continue stockpiling excess soil and gypsum from the OGS south stormwater ditch.
- Start hauling excess gypsum from the OGS south stormwater ditch to the NGS-S south slope - see 5.0 Survey Notes for pre-survey requirement before starting this work.

Comanco:

- Continue liner detail and anchor trench gypsum compaction work at the NGS-N west and OGS north stormwater ditch.
- Start liner deployment at the OGS west stormwater ditch.
- Continue geocomposite installation in the OGS-S Reservoir as needed.

Compass:

- Start sod installation on the OGS-S east slope.
- Start work on the OGS-S filtration drain and inlet structure modification.
- Remove haul road ditch crossings from the Gulfstream I borrow area.

5.0 SURVEY NOTES

- CDM/Moretrench were requested to provide a pre-survey of the NGS-S south slope prior to hauling excess gypsum to this location.
- CDM/Moretrench were requested to provide a survey delineating excess soil and/or gypsum separately, at the OGS southwest corner toe road and ditch - Moretrench indicated that the excess soil and gypsum would first be placed in separate stockpiles and then surveyed.
- Pickett performed an as-built survey for Moretrench on 2/21/06 and 2/22/06 of the OGS west stormwater ditch from the northwest ramp to station 130+00, including invert elevations of the 18-inch culvert under the NW ramp . The surveys was reviewed by Ardaman on 2/22/06 and 2/23/06 and exceptions noted - it was requested that the survey data be merged into one file, and that electronic versions (ACAD and pdf) be provided to CDM and Ardaman.
- FDEP had previously requested a survey of the restored/maintained invert profile for OGS south seepage ditch - CDM indicated that survey results were sent to FDEP since last meeting.
- Pickett is scheduled to perform an as-built survey for Compass of soil cover on the OGS-S south slope.
- CDM requested Moretrench/Pickett to provide revised gypsum fill quantity survey estimates at 4 locations: NGS-N Relief Ditch north end (fat), NGS-N Relief Ditch south slope curve (fat), NGS-N west slope curve (fat), and the OGS south slope (thin).

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6.0 PROJECT SCHEDULE

- No workdays were lost to weather this reporting period.
- The project schedule will be updated by CDM and distributed prior to the next Program Manager's meeting.
- Regarding a new source for soil borrow material, Compass indicated that they would advise of status next meeting.
- Weekend work schedule: no work is planned 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).

- Comanco provided shipping tickets and roll certifications to Ardaman for 30 additional rolls of 80-mil textured liner (95 rolls to date) delivered this week - still need tickets and certifications for 5 rolls.
- Ardaman requested certifications for 27 rolls of SKAP geocomposite previously delivered to the site.
- Ardaman requested liner placement shop drawings for the balance of the Phase I stormwater ditches (OGS west and south ditches).

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

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.

- 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.
- 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.

Quality Control Activities

- Ardaman had 5 technicians on site this reporting period.
- In-place gypsum density tests - 831 tests passing, 3 failing (OGS south ditch north slope), none pending.
- In-place soil fill density tests (OGS-S slope cover) - 59 passing, none failing, none pending.
- Phase I stormwater ditch liner seam destructive testing (DT's): 12 marked, 11 passing, none failing, none pending - a summary of test results (revision 0, dated 2/22/06) was distributed at the meeting.
- Phase I stormwater ditch liner anchor trench density tests - 11 tests passing, 1 failing, 1 pending.

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- Phase I and II Slope Closure 80-mil textured liner roll conformance testing: 35 rolls have been conditionally released for deployment - a summary of conformance testing and status (revision 0, dated 2/22/06) was distributed at the meeting.

Miscellaneous

- Rainfall: CDM reported 0.00 inches from 2/15/06 through 2/21/06.
- CDM advised by email on 2/17/06 that Compass discovered a cavity at the toe-of-slope while working on the NGS-S outside slope. Ardaman responded by email on 2/17/06 that this is one of several relic erosion features, and provided recommendations to excavate and stabilize the cavity. Ardaman also provided a "Feature Map" by email on 2/20/06 which delineates other relic erosion features. CDM requested additional clarification of Ardaman's recommendations.

Acceptances

- NGS-N Relief Ditch liner - a final liner inspection was conducted on 2/9/06; anchor trench compaction and testing was completed on 2/10/06. CDM requested a final acceptance report for this portion of the work.
- OGS west stormwater ditch subgrade for liner installation - on 2/23/06, from station 130+00 to the northwest ramp, subject to correction of exceptions as noted.
- OGS-S slope soil cover for sodding, verbally at the meeting, from station 15+00 to 26+00 - it was noted that this that this is for the slope only - the berm crest still needs work, and the toe road is not complete.
- A preliminary final inspection of the NGS-N west and OGS north stormwater ditches will be conducted after the meeting, from station 163+30 to the OGS northwest ramp.

9.0 COMMENTS by PROGRAM MANAGER

- A partial summary of pay quantities were previously sent for review to Ardaman and FDEP. CDM/Compass will forward a completed summary, including the outstanding quantity for the NGS-N Relief Ditch and a revised/corrected quantity for the OGS Slope Pond, as soon as possible, for FDEP/Ardaman review.
- Status regarding Phase II Slope Closure is as follows: Comanco agreed at the 2/2/06 construction meeting to Ardaman's quantities per 1/24/06 email; Ardaman and Moretrench exchanged electronic grading plan models in an effort to reconcile gypsum fill quantities; CDM is awaiting input from Compass for soil cover and grassing quantities.
- Status regarding SCP-S Compartment closure is as follows: Comanco liner quantity estimates are essentially in agreement with the quantities provided by Ardaman via email on 2/6/06; CDM has received proposed pay quantities from Moretrench and forwarded to Ardaman and FDEP for review; CDM is awaiting input from Compass.
- A change order was submitted to FDEP and Ardaman for the filtration drain associated with the planned OGS-N Reservoir soil cover construction, and for the OGS-S inlet structure modification.
- A second draft change order (revised 2/22/06) was submitted on 2/3/06 to FDEP and Ardaman for an adjustment in liner quantity and resin cost.
- CDM has assumed responsibility for excavating the ditch between the SCP south and north compartments; a long-stick excavator is presently performing this task.
- See 5.0 Survey Notes for more.

10.0 COMMENTS by FDEP

- FDEP was not represented at the meeting.

11.0 COMMENTS by the RECEIVER

- The Receiver was not present at the meeting.