

ARDAMAN & ASSOCIATES, INC. PROGRESS MEETING REPORT FOR PINEY POINT GYPSUM STACK SYSTEM CLOSURE		File No.: 05-110A	Page 1 of 5
		Meeting Date: <u>3/16/06</u>	
		Report No: <u>52</u>	Report Date: <u>3/22/06</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: Rob Werner (telecom), John Cameron, Tony Deatherage Receiver: _____ FDEP: _____ CDM: Dean Carter, Mike Cruz, Steve Solters, Jean Wilson Moretrench: Steve Voytko, Harley Frady, Ralph Remmert, Mike Panny, Paul Davis Comanco: Paul Moore Compass: Tim Morrow, Vernon Giles			

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 Schuman, Steve Voytko, Mike Panny, Nick Haddon
 Comanco: Tom Topp, Paul Moore
 Compass: Tim Morrow, Vernon Giles, Tom McSweeny, Dan Felton

Next Meeting is Scheduled for Thursday, March 23, 2006
Site Tour at 8:00 am followed by
Construction/Engineering & CDM Operations Meetings

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

Moretrench:

- Hauled excess gypsum from the OGS southwest corner to the NGS-S east slope.
- Started excavation of OGS south ditch in preparation for installation of seepage collection drains; excess soil and soil mixed with some gypsum was hauled to stockpile area (for use beneath the SCP-S liner).
- Completed finish grading the OGS west ditch from station 130+00 to the OGS-S Reservoir outlet pipe.
- Process Water usage this report - none.
- Well Water usage this report - approximately 155,000 gallons.
- Equipment: 3 D-6 dozers, 1 compactor, 1 excavator, 1 water wagon, 2 dump trucks, 3 6-inch hydraulic pumps, 2 4-inch hydraulic pumps - 6 personnel.

Comanco:

- Continued 80-mil liner installation at the Phase I stormwater ditches; 170,686 sf (3.9 acres) was installed as of 3/7/06 - up to station 130+00.
- Completed detail work and anchor trench gypsum compaction up to station 130+00.
- Continued repairs to various HDPE outlet pipes in the Phase I stormwater ditches.
- Equipment: 1 generator, 1 wedge, 1 extruder, 1 excavator, 1 loader - 5 personnel. Most equipment and crew were demobilized on 3/9/06.

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Compass:

- Started sod installation on the OGS-S south slope.
- Poured concrete walls at the OGS-S inlet structure.
- Continued stripping vegetation from the NGS outside slopes and seepage ditch banks.
- Started installation of irrigation system on the OGS south slope - part of the irrigation system was operational on the day of the meeting.
- Continued watering for dust control.
- Fresh Water usage this report - approximately 350,000 gallons.
- Equipment: 4 dump trucks, 2 water wagons, 1 loader, 1 excavator, 3 dozers, 2 compactors, 1 motor grader - 10 operators. 1 long-stick excavator was demobilized.

4.0 PROJECTED WORK FOR NEXT WEEK

Moretrench:

- Continue work at the OGS south ditch.
- Continue hauling soil and soil mixed with some gypsum to stockpile area (for use beneath the SCP-S liner).

Comanco:

- Continue liner work at the OGS west stormwater ditch.
- Complete liner repairs and repairs to various HDPE outlet pipes in the Phase I stormwater ditches.
- Demobilize after completion of this work.

Compass:

- Continue sod installation on the OGS-S south slope.
- Continue work on the OGS-S filtration drain.
- Continue stripping vegetation from the NGS Phase II Closure area.
- Continue installing irrigation system on OGS grassed slopes.
- Continue watering for dust control.

5.0 SURVEY NOTES

- No change - CDM/Moretrench were requested to provide a pre-survey of the NGS-S south slope prior to hauling excess gypsum to this location. Moretrench is waiting on survey drawing from Pickett.
- No change - 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.
- Waiting on electronic versions (ACAD) of Pickett's 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 ditch was surveyed from station 130+00 to the OGS-S outlet pipe on 3/10/06, and a hard copy provided on 3/13/06 to Ardaman for checking - this should also be included on ACAD version.
- No change - Pickett performed an as-built survey for Compass of soil cover on the OGS-S south slope on 2/24/06 - waiting on survey drawing and ACAD version.
- No change - Pickett performed an updated as-built survey for Compass of soil cover on the OGS-S east slope berm on 2/27/06 - waiting on survey drawing and ACAD version.
- No change - 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). Moretrench will provide Ardaman with an electronic version (ACAD) of the 1/23/06 Pickett take-up survey.
- Pickett performed a take-up survey for Moretrench on 2/23/06 - a hard copy was distributed at the meeting - Ardaman requested an electronic (ACAD) version of the survey.

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- CDM/Pickett provided as-built inboard anchor trench liner elevations to Ardaman for the OGS stormwater ditch from station 163+30 to 130+00) - see 8.0 Technical Items - Miscellaneous for more.

6.0 PROJECT SCHEDULE

- No workdays were lost to weather this reporting period.
- The project schedule has been updated by CDM to reflect current progress, and modified activities for the SCP-S closure and Phase II slope closure in an effort to shorten overall durations for these portions of the work, and reviewed this with subcontractors on 3/13/06. The updated schedule will be emailed this week to FDEP and Ardaman.
- 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).

- CDM/Compass were requested to submit documentation for the concrete mix design used for the OGS-S inlet structure modification for the record.

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 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.

Quality Control Activities

- Ardaman had 2 technicians on site this reporting period.
- In-place gypsum density tests - 834 tests passing, 3 failing (OGS south ditch north slope), none pending.
- In-place soil fill density tests (OGS-S slope cover) - no change - 59 passing, none failing, none pending.
- Phase I stormwater ditch liner seam destructive testing (DT's): 18 marked, 18 passing, none failing, none pending.
- Phase I stormwater ditch liner anchor trench density tests - no change - 24 tests passing, none failing, none pending.
- 80-mil textured liner roll conformance testing: no change - all 100 rolls have been conditionally released for deployment - a summary of conformance testing and status (revision 2, dated 3/7/06) was distributed at the meeting on 3/7/06.

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Miscellaneous

- Rainfall: CDM reported 0.00 inches from 3/6/06 through 3/14/06.
- A sketch will be provided by Ardaman to indicate an interim termination and valve placement for the OGS-N outlet pipe where it enters the OGS north ditch.
- Regarding Moretrench's question as to disposition of material (soil mixed with some gypsum) to be excavated for installation of the OGS seepage collection drain, Ardaman indicated that it may be used as fill in the SCP under liner.
- Regarding disposition of additional excess gypsum encountered along the south side of the OGS south stormwater ditch, Ardaman explained, as documented in a 3/6/06 email to FDEP, that a substantial portion of the gypsum hauled as excess to the NGS-S slopes was erroneously excavated from below design grades - this over-excavated material would not be considered for payment. Since the over-excavated material was placed along with the "true excess" cut from above design grades, the former plan to survey the pre- and post- execution as measurement for payment will be abandoned. Based on Ardaman's evaluation, the recommended pay quantity is 3700 cy. CDM/Moretrench indicated that they will request a copy of Ardaman's this evaluation from FDEP.
- Regarding resolution of liner inboard anchor trench grade deficiencies along portions of the OGS ditch, Ardaman provided a drawing and cross-section at the meeting for consideration by CDM/Comanco to optionally extend the liner above the anchor trench, in lieu of reconstructing the lined ditch with a new anchor trench at the correct elevation.

Acceptances

- Liner installation at the NGS-N west and OGS north stormwater ditches was last inspected by Ardaman on 3/1/06, from station 163+30 to the OGS northwest ramp. A few deficiencies remain to be corrected. See Miscellaneous item above regarding disposition of the low inboard edge anchor trench.
- A preliminary final inspection will be conducted of the OGS west stormwater ditch liner installation after the meeting, from the northwest ramp to approximately station 130+00 (panel #178).
- An acceptance form for liner subgrade in the OGS west stormwater ditch from station 130+00 to the OGS-S outlet pipe is circulating for signatures.

9.0 COMMENTS by PROGRAM MANAGER

- No change - 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.
- No change - 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; Moretrench agreed at the meeting to accept Ardaman's quantities per 3/2/06 email; CDM is awaiting input from Compass for soil cover and grassing quantities.
- No change - 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.
- Change order #9 was executed by FDEP on 3/11/06 for the filtration drain associated with the planned OGS-N Reservoir soil cover construction, and for the OGS-S inlet structure modification.
- Change order #10 was submitted by CDM to FDEP for signature, for adjustment in liner quantity and resin cost.
- CDM completed excavating the ditch between the SCP south and north compartments - CDM was requested to provide as-built survey data for the excavated ditch invert.

10.0 COMMENTS by FDEP

- Regarding comments by FDEP last meeting relative to dust control, it was noted by CDM/Compass that an additional water truck is presently being mobilized for dust control.

11.0 COMMENTS by the RECEIVER

- Ardaman is preparing an index of final as-built drawings.