

ARDAMAN & ASSOCIATES, INC. PROGRESS MEETING REPORT FOR PINEY POINT GYPSUM STACK SYSTEM CLOSURE		File No.: 04-100A	Page 1 of 4
		Meeting Date: <u>6/2/05</u>	
		Report No: <u>13</u>	Report Date: <u>6/5/05</u>
Project Name:	CLOSURE CONSTRUCTION - NGS-S RESERVOIR, OGS SLOPES, TOP CAPS AND NGS-N RELIEF DITCH		Project Address: 13300 U.S. Highway 41 North Palmetto, Florida 34221 Manatee County
ATTENDEES: Ardaman: Nadim Fuleuhan, John Cameron, Rob Werner, Tony Deatherage, Tom Leto Receiver: Louis Timchak FDEP: John Coates, Sam Zamani CDM: Dean Carter, Michael Cruz, Mick Edgar, Steve Solters Moretrench: Mike Panny, Harley Frady Comanco: Brad DeNeve, Joe Benz, Tom Topp Compass: Chuck Icenogle			

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
Moretrench: Al Shuman, Steve Voytko, Mike Panny
Comanco: Tom Topp, Joe Benz, Dragan Milosavljevic, Brad DeNeve

***Next Meeting is Scheduled for Thursday, June 9, 2005
Construction/Engineering Meeting at 8:30 am***

1.0 REVIEW MINUTES OF PREVIOUS MEETING

No corrections were noted.

2.0 SAFETY

No incidents were reported.

3.0 SUMMARY OF WORK PERFORMED

Moretrench:

- Worked on correcting finish grade in Area 4.
- Continued backfilling the outlet pipe excavation.
- Continued hauling gypsum fill from the OGS slopes to the OGS Cap Areas); gypsum fill hauled as of 5/27/05 was reported (by truck load count estimate) as 267,493 cy (compacted-in-place).
- Continued maintenance of dewatering sump and pump.
- No work was performed on the holiday weekend, and none as yet this week due to weather.
- Water usage for compaction this report - approximately 23,000 gallons
- Equipment: 2 D-8 dozers (1 w/ripper), 3 D-6 dozers, 5 compactors, 2 backhoes, 2 water wagons, 3 dump trucks, 1 motor grader, 1 hydraulic 6" pump - 19 personnel.

Comanco:

- Completed liner deployment in Area 3 on 5/26/05 - 115,952 sq ft (2.6 acres) was installed this reporting period, 1,604,669 sq ft (36.2 acres) total as of 6/1/05.
- Continued detail work in Areas 2 and 3.
- Ordered 8 additional rolls of 1-sided textured liner, and 3 rolls of 2-sided textured. Delivery is anticipated next week.
- Equipment: 1 QC trailer, 6 generators, 3 wedges, 4 extruders, 1 backhoe, 1 dozer, 1 loader, 1 gator - 22 personnel

ARDAMAN & ASSOCIATES, INC. PROGRESS MEETING REPORT FOR PINEY POINT GYPSUM STACK SYSTEM CLOSURE	File No.: 04-100A	Page 2 of 4
	Meeting Date: <u>6/2/05</u>	
	Report No: <u>13</u>	Report Date: 6 /5/05
CLOSURE CONSTRUCTION - NGS-S RESERVOIR, OGS SLOPES, TOP CAPS AND NGS-N RELIEF DITCH	Project Address: 13300 U.S. Highway 41 North Palmetto, Florida 34221 Manatee County	

4.0 PROJECTED WORK FOR NEXT WEEK

Moretrench:

- Resume finish grading and compacting Area 5.
- Resume finish grading corrective work in Area 4.
- Continue backfilling the outlet pipe excavation.
- Extend the outlet pipe to the south cooling pond; pressure test downstream of the 1st valve (after the pipe is first utilized to dewater the job site).
- Start removing the temporary cofferdam in Area 6 (pending completion of outlet pipe pressure testing).
- Continue hauling gypsum fill to the OGS Caps and start work on the OGS slope pond.
- Repair the damaged 4" HDPE vent pipe on the OGS-S outlet - materials are on hand.
- Repair/replace the damaged 24" HDPE pipelines in the OGS Cap Areas (**See 10.0 - Comments by FDEP**).
- Maintain dewatering sump and pump(s).

Comanco:

- Continue detail work in Areas 2 and 3, and start repairs in Area 1.
- Start liner deployment in Area 4, pending subgrade acceptance.

5.0 SURVEY NOTES

- An updated take-up survey by Pickett for Moretrench is in progress.

6.0 PROJECT SCHEDULE

- 2 workdays were lost to weather.
- The schedule for the NGS-S Reservoir was last updated by Ardaman on 5/16/05 (draft 10). Forecast operational and completion are 7/28/05 and 8/26/05, respectively. The contract completion date is 8/30/05.
- Area 4 finish grading and corrective work by Moretrench was essentially completed as scheduled on 5/27/05, except some re-work is still required on the pond bottom, and possibly some work on the slopes to repair erosion damage.
- Liner deployment by Comanco was completed in Area 3 ahead of schedule on 5/26/05, but has not yet started in Area 4 due to the weather. If needed, the east and/or west slopes of Area 4 may be accepted for liner installation after repair of any erosion-related issues.
- The site is presently ponded to about elevation 40.5', which encompasses the central portion of the Area 4 pond bottom. It was anticipated that the outlet pipe could be extended to the cooling pond on the day of the meeting, which can then be used to convey surface water pumped over the cofferdam and into the inlet to the SCP. Once the site is dewatered, the pipe will be pressure tested prior to removal of the cofferdam.
- Overall, it was estimated that the project schedule has been impacted by about 1 week due to weather.
- CDM's preliminary master schedule, dated 5/26/05, will be reviewed with Ardaman after the meeting.

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

NOTE: Specifications for the NGS-S Reservoir are Revision 0 - Issued for Construction, dated 3/9/05. The current Drawings for the NGS-N Reservoir, as distributed at the 5/18/05 meeting, are dated 5/16/05 (various revision numbers). Electronic (ACAD) files were also distributed on CD's at the meeting. Prior drawing versions should be discarded. Drawings were also provided at the meeting for: (i) NGS-S Cap and NGS-N Relief Ditch, Revision 0 - Issued for Construction, dated 5/16/05; and (ii) Slope Closure Phase 1 (OGS Caps and Slopes), Revision 0 - Issued for Construction, dated 5/16/05.

ARDAMAN & ASSOCIATES, INC. PROGRESS MEETING REPORT FOR PINEY POINT GYPSUM STACK SYSTEM CLOSURE	File No.: 04-100A	Page 3 of 4
	Meeting Date: 6/2/05	
	Report No: 13	Report Date: 6 /5/05
CLOSURE CONSTRUCTION - NGS-S RESERVOIR, OGS SLOPES, TOP CAPS AND NGS-N RELIEF DITCH	Project Address: 13300 U.S. Highway 41 North Palmetto, Florida 34221 Manatee County	

The width of the proposed berm along north edge of the OGS slope pond was increased from 8 to 18 feet. Revised drawings were provided to CDM at the meeting: C-3, C-7, C-8 and L-2, all revision 1, dated 6/1/05. Electronic files of the revised site grading plan (C-3) and liner plan (L-2) will be emailed to CDM.

Regarding specifications for the OGS Slopes, Top Cap Areas and NGS-N Relief Ditch, pertinent NGS-S Reservoir specifications and technical specifications previously provided on the DEP's ITN website shall be used. Specifications for corrugated HDPE pipe and fittings and aggregates in the Phase II OGS Compartment Closure Specifications, previously provided on the DEP's ITN website, shall also be used (Sections 10 and 13, respectively). A Supplemental Specification document that compiles the ITN specifications along with specifications for the HDPE panel drains will be issued shortly.

Quality Control Activities

- Ardaman has 6 technicians on site.
- In-place gypsum density tests: 341 tests passing, 10 failing (2 on OGS-N cap, 3 on Area 6 west slope, 5 on Area 5 slopes), none pending.
- Liner roll conformance testing: table 3b (2-side textured) of testing status (revision 11, dated 6/1/05) was distributed at the meeting; there is no change in table 3a revision 10 (smooth) and 3c revision 10 (1-side textured). All liner rolls (166 rolls of 2-sided textured, 38 rolls of 1-sided textured, and 176 rolls of smooth liner) have been conditionally approved for deployment.
- Liner seam destructive testing (DT's): 171 marked, 153 passing, 1 failing (#110), none pending. A summary of testing status (revision 7, dated 6/1/05) was distributed at the meeting.
- A preliminary inspection of Area 1 liner indicates that 18 repairs are required.
- Liner ballast and anchor trench gypsum compaction testing: 77 passing, 1 pending.
- Outlet pipe bedding: Sand density - complete; Gypsum density - 14 passing, none pending.
- Concrete inlet structure: 7-day concrete test cylinder break (2530 psi) passed.

Miscellaneous

- Rainfall reported by the Program Manager for this reporting period (thru 6/1/05): 3.12" (May total was 2.54"). (CDM will copy John Cameron and Rob Werner on future weekly water reports)
- Plant waste materials previously disposed and buried in the OGS (identified as cooling tower packing material) were uncovered last week by Moretrench while grading the OGS north slope area (See 9.0 - Comments by Program Manager). Moretrench will resume excavation and grading work in this area and was directed to perform a few test excavations to ascertain the aerial extent and thickness of the waste materials. If waste materials exist at design grades, the material will be overexcavated to a depth of 24 inches and replaced with compacted clean gypsum. The waste materials will be quantified, relocated, buried and covered by at least 2 feet of compacted clean gypsum at a location to be determined by the Engineer (e.g., at a specified location within the OGS-N Cap Area). Final determination of the burial area will be made once the quantity can be estimated via the planned test excavations.

Acceptance of subgrade for liner deployment

- None since last report.

9.0 COMMENTS by PROGRAM MANAGER

- CDM reported that preliminary analytical test results confirm that the plant waste material (identified as cooling tower packing material) is not hazardous

10.0 COMMENTS by FDEP and/or RECEIVER

- The FDEP inquired about CDM's proposed plans for repair/replacement of the damaged 24" HDPE pipeline (i.e., the pipeline damaged during temporary relocation that needs to be reinstalled in short order to restore the ability to

ARDAMAN & ASSOCIATES, INC. PROGRESS MEETING REPORT FOR PINEY POINT GYPSUM STACK SYSTEM CLOSURE	File No.: 04-100A	Page 4 of 4
	Meeting Date: <u>6/2/05</u>	
	Report No: <u>13</u>	Report Date: 6 /5/05
CLOSURE CONSTRUCTION - NGS-S RESERVOIR, OGS SLOPES, TOP CAPS AND NGS-N RELIEF DITCH	Project Address: 13300 U.S. Highway 41 North Palmetto, Florida 34221 Manatee County	

transfer water into the lined OGS compartments, if needed in an emergency). CDM will complete their assessment and prepare a plan for removal of damaged sections, re-welding of the pipe and replacement of portions deemed un-repairable. In order to avoid lead time issues for replacement pipe materials, CDM may use (and then replace) a portion of the existing 24" HDPE pipeline located on the bench road south of the relief ditch (formerly used to pump process water the NGS-S Compartment), provided that pipe is in good condition. CDM will provide a detailed plan and procedure for restoring the pipeline, which may include nearby staging all needed components for installation of a flanged modular pipeline (e.g., 500 foot sections that can be put in place, bolted and tested on short notice) so that the pipeline will not interfere with ongoing construction but will be ready for use on short notice (i.e., in less than 24 hours) if needed.

- The Receiver requested CDM to submit a water management plan for the NGS-S before the onset of the rainy season.
- A change order will be prepared by CDM to reflect increased resin costs for liner materials; the proposed change order will be reviewed with Ardaman, FDEP and the Receiver.