

EPA Region 5 Records Ctr.



257127

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BI-WEEKLY PROJECT STATUS REPORT

Neal's Landfill

Phase 2

DATE: September 16, 1999

FROM: *Richard McCandless

TO: *Tom Alcamo, USEPA *Vince Epps, IDEM *Dottie Alke, CBS *Ray Taylor, CBS Mike Hessling, PSARA Tim Gunn, Tetra Tech Doug Nelson, WRS *Mike McCann, CBS *Jody Lettleir, CBS *David Delany, WRS	John Langley, CBU *Dennis Williamson, Monroe County *Jim Patrick, CBS Bill Melilli, PSARA Scott Walton, PSARA Didi Fung, WRS Dale Carpenter, WRS Kostas Dovantzis, Tetra Tech *Phil Schonhoff, IDEM Beth Spalding, PSARA * attended meeting
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SUBJECT: Bi-Weekly Progress Status Report – September 1 to September 14, 1999

This report is intended to provide a bi-weekly project update regarding the major developments for the remediation work at Neal's Landfill. Included are progress updates, sample analytical results, schedule updates and field change decisions for Phase 2 work. Phase 1 information including sample analytical results and waste shipping information are also included. Phase 1 sampling logs, shipping logs, and air monitoring and meteorological data logs are available at the site.

The initial Phase 2 project status meeting was held at the Bennet's Quarry job site on September 14, 1999. The purpose was to discuss the progress of RCRA Cap construction at Neal's Landfill. Representatives attending the meeting were from CBS, PSARA, EPA, Tetra Tech, IDEM, Monroe County and WRS. The following items were discussed:

Phase 1 Close-out Activities

Grid Sampling and Miscellaneous

Excavation of Category "C" material the southeast area was completed on September 1, 1999 with the final excavation and backfilling of grid BA11 (on bedrock). Grid sampling around the former decontamination pad on the west side of the site was completed on September 9 at grid AI 19/20. The last roll-off of "A" material (from SE grid excavation) left the site on September 13, 1999.

Other Phase 1 close-out activities at this time include the shredding of all remaining tires, the completion of the interim cap, and the construction of the Southeast Pond improvements (berm and pond drainage pipe).

The final round of tire shredding started 9/11/99 and finished 9/12/99. The small open area of consolidation material at the southwest corner of the landfill was closed and covered with interim cap on September 14, 1999. This area was left open until now to receive category "C" material that was generated from the last rounds of grid sampling, the shredding of the second tire pile, and the trenching associated with the construction of the gas collection system. Construction work at the southeast pond has been delayed until the start of geo-membrane/geonet placement on or about September 21. WRS expects to have excess manpower and equipment available at that time.

Health and Safety

PUF sampling was discontinued after 9/2/99. Results since August 30 ranged from ND to 511.9 ng/m³ and averaged about 276 ng/m³. Since that time WRS has wetted roads, cap and any exposed category "C" waste to minimize the generation of airborne dust.

A copy of the most recent weekly project status report including PUF analytical results, tire and other waste quantities and shipping information is attached.

Phase 2 Activities

Clay Liner

The test pad was constructed on September 1, 1999. Civil & Environmental Consultants, Inc. (CEC) performed 15 nuclear moisture-density tests, including two that failed and were re-compacted/re-tested. CEC also collected one Shelby Tube sample for hydraulic conductivity testing from each lift. Results for all three samples were lower (better) than the 1.0E-7 cm/sec hydraulic conductivity criterion.

Since September 8, approximately 84% of the initial lift and 31% of the second lift of the clay liner have been placed, tested and passed. Also, CEC has performed over 70 nuclear moisture-density tests through 9/13/99, at a rate in excess of 5 tests per acre per lift. A total of 12 Shelby Tube samples have been collected for hydraulic conductivity testing. Results are not yet

available. Portions of the interim cap that have been covered were first surveyed on a 50'x50' grid pattern by Smith-Neubecker & Associates, Inc. (SNA).

The availability of water for moisture conditioning of the soil was a concern during the first few days of clay liner construction. However, WRS has located a second supplier, has adequate supply on-hand, and receives daily water deliveries.

Project Specifications

A revised specification addressing the rock content of the clay liner soil has been recommended by CEC. A copy of their recommendation is attached. The modification was discussed among the meeting participants and agreed to be generally appropriate, although it was recommended that any specific reference to the quantity of oversize rock (i.e., 10%) should be deleted.

CEC has also recommended that the moisture content specification be modified to "optimum or higher". This recommendation was based on the results of compaction testing, visual observations as to the tightness of the clay and laboratory test results to date (hydraulic conductivity).

Gas Collection System

About 90% of the below-grade gas collection and vent system has been installed in substantial compliance with the drawings and specifications. Several vent risers that were located on the side slopes of the cap were relocated to the top of the landfill. The area not yet completed is along the southwest and south sides of the landfill.

Piezometers

Installation of 5 piezometers is scheduled to commence September 20 and should be completed by September 23, 1999, except for surface pad construction. Riser and screen materials have been changed from HDPE to PVC due to the incompatibility in joining these two materials and the load-deformation characteristics of HDPE.

Schedule

An over-all estimate of construction progress as of September 14, 1999 is attached. An updated schedule from WRS is also attached. The schedule now forecasts the completion of Phase 2 and the demobilization by WRS on November 9, instead of November 5, 1999.

Miscellaneous Activities

On Monday September 13, 1999, CBS and PSARA hosted a tour of the site by County Officials, IDEM and guests. The tour lasted from 8:00 to about 9:45 AM.

Upcoming work for the period September 15 – September 28, 1999

Assuming no weather delays, WRS should complete the construction of the clay liner on or before September 20, 1999. A geomembrane liner pre-installation meeting is scheduled for the afternoon of September 20. Installation should begin the following day, followed by the start of geonet placement as scheduled on September 27, 1999.

Next Bi-Weekly Meeting

The next bi-weekly project status meeting will be held on Tuesday, September 28, 1999 at 10:00 a.m. at Neal's Landfill.

Comments or questions regarding this report should be directed to Jim Patrick at 812-334-0030, Richard McCandless at 812-935-8488, or Bill Melilli at 812-935-8950.

WEEKLY PROJECT STATUS REPORT

**CBS CORPORATION
NEAL'S LANDFILL REMEDIATION SITE
PHASE I**

Reporting Period:		9/6/99	Through	9/12/99		
Soil Sampling:						
Arithmetic Average as of:		9/12/99	=	3.6 ppm* based upon dry weight analysis		
TSCA Waste, Offsite Disposal Record			Cat. B, Stockpile Record			
Previous TSCA loads total (tons):		41,772.65	Previous totals:	228 108 120		
Date	Truck Loads	Daily Tons	Daily Stockpiles	Stockpiles Category A	Stockpiles Category C	
Mon 9/6/99	0	0.00	0	0	0	
Tue 9/7/99	0	0.00	0	0	0	
Wed 9/8/99	0	0.00	0	0	0	
Thu 9/9/99	0	0.00	0	0	0	
Fri 9/10/99	0	0.00	0	0	0	
Sat 9/11/99	0	0.00	0	0	0	
Sun 9/12/99	0	0.00	0	0	0	
TSCA Waste this Week (est. tonnage):		0.00	Weekly Totals:	0	0	0
TSCA Waste Shipped to Date:		41,772.65				
TSCA Trucks to Landfill to Date:		1,419				
Capacitor Offsite Disposal/Incinerator Record						
Roll-offs Shipped:			17	Capacitors Recovered to Date:	4083	
				Capacitors Shipped to Date (lbs):	461,239.4	
Air Monitoring Summary:						
PUF Samples Collected This Reporting Period:		8	Total to Date:	580		
PUF Samples Sent for Lab Analysis This Period:		4	Total to Date:	328		
Personnel Samples This Reporting Period:		0	Total to Date:	51		
PUF Results for Prior Week:						
Date	PUF Result (mg/m³)	Downwind Direction	Personnel, High (mg/m³)	Personnel Location		
Wed 9/1/99	405.0	Northwest				
Thu 9/2/99	258.6	Northwest				
Fri 9/3/99	No Sample					
Sat 9/4/99	No Sample					
Sun 9/5/99	No Sample					
Mon 9/6/99	No Sample					
Tue 9/7/99	No Sample					
Water Treatment Summary:						
Total Wastewater Treated thru Prior Week:		30,080.0	gallons			
Total Gallons to Date:		30,080.0	gallons			
Waste Tires Summary:						
Total Tires Recovered thru Prior Week:		28,881	tires			
Total Tires to Date:		28,881	tires			