



APR 11 2016

Southwest District

April 7, 2016

Steven Tafuni
Compliance Assurance Program
Southwest District
Florida Dept. of Environmental Protection
13051 North Telecom Pkwy.
Temple Terrace, FL 33637

RE: Hardee County Sanitary Landfill
Leachate Spill Remediation
Jones Edmunds Project No.: 07809-001-01

Dear Mr. Tafuni:

Hardee County experienced a release of landfill leachate beyond the limits of the liner and secondary containment systems. The leachate was contained in a nearby stormwater pond and ditch. The County has taken measures to clean up the spill and this report summarizes the County's cleanup efforts. The location of the spill is shown on the figure in Attachment 1.

It appears that the release occurred during the inspection period for the leachate storage tanks. After the inspection of one of the tanks was completed, the access hatch was inadvertently left open and that allowed leachate to flow into and out of the tank that was opened for inspection. Immediately upon observing the spill, the County stopped the leachate flow to the tanks and conducted initial remedial actions. The initial remedial actions included:

- Placement of soil blocks at the pond exit and end of the ditch.
- Pumping down the leachate holding tanks.
- Pumping the leachate out of the containment area.
- Pumping the collected storm water and leachate that entered the storm water system.
- Notifying FDEP of the leachate spill.

FDEP advised the County to remove the soil that was contacted by leachate and place it in the landfill. FDEP recommended removing about 1 to 2 feet below the soil that was in contact with leachate. FDEP also advised to visually observe the remaining soil for evidence of any remaining leachate.

Hardee County conducted the excavation of the soil on March 23, 2016, and contracted with Jones Edmunds & Associates, Inc. to provide an independent observer onsite during the

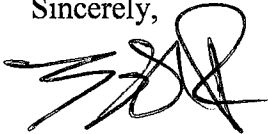
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excavation for help identifying any areas that should be excavated. The Field Observation Report prepared by the Jones Edmunds' Field Representative is provided as Attachment 2. The County excavated the stormwater pond and ditch bottom and sides that were in contact with leachate.

The County excavated approximately 252.11 cubic yards of material that was placed in the active landfill. 216.56 cubic yards was excavated from the stormwater pond and 35.55 cubic yards was excavated from the stormwater ditch. Photos of the excavations are provided in Attachment 3. The excavated material was mostly brown organic rich silt and sand. This material was removed down to a light brown to yellow clayey sand with no visible staining. Any material suspected of having been in contact with leachate was removed.

If you have any questions about this report please contact our office at 352-377-5821.

Sincerely,

A handwritten signature in black ink, appearing to read 'Troy Hays', with a stylized flourish at the end.

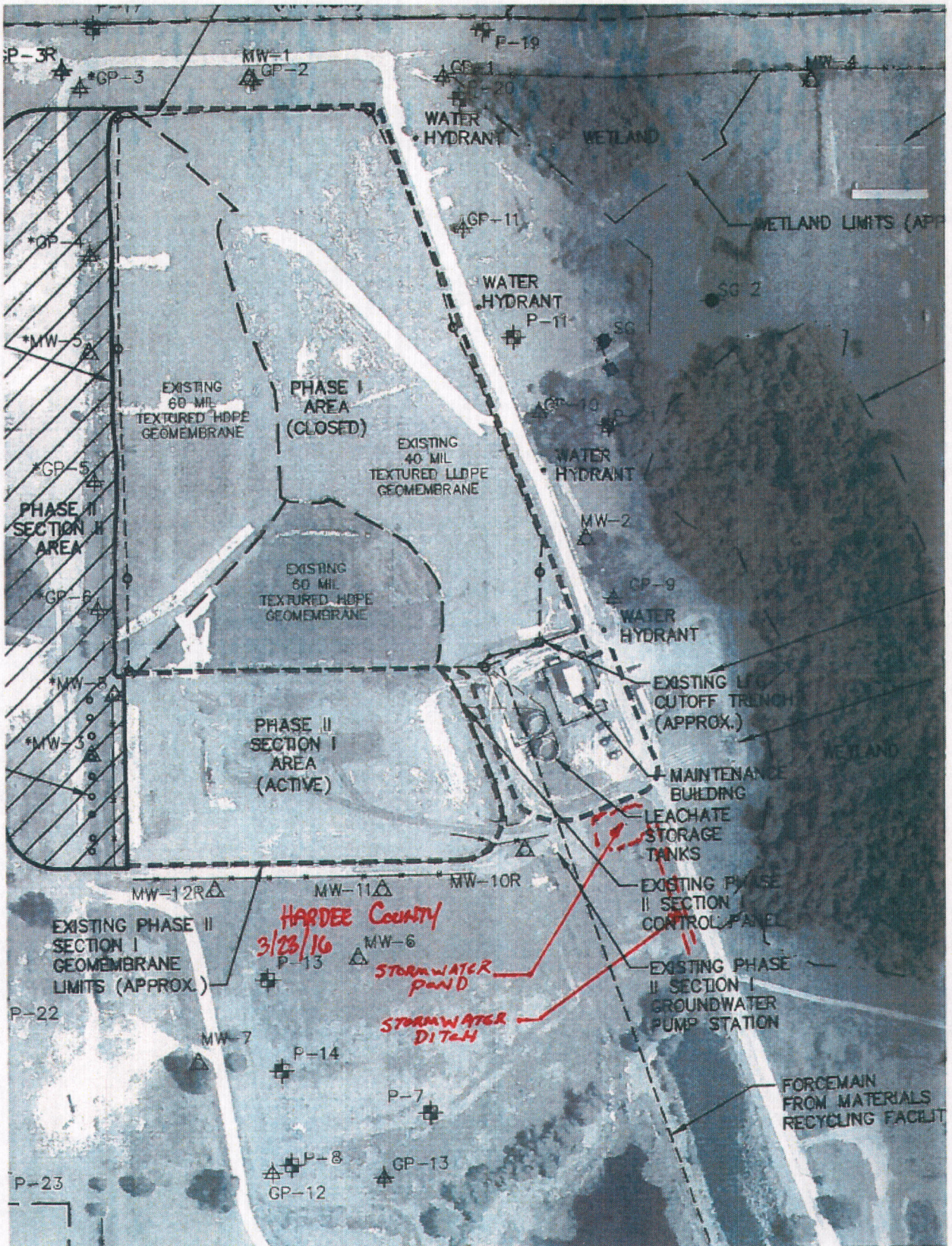
Troy Hays, PG
Assistant Operations Manager

\\GNV-PROJECTS\projects\07809 Hardee County\001 Hardee County Leachate Remediation
Observation\2016.04.07_LTR_STafuni_FDEP_Hardee Leachate Cleanup.doc

Attachments

xc: Willie Nabong, PE, Hardee County
John Banks, PE, Jones Edmunds

Attachment 1



Attachment 2



FIELD OBSERVATION REPORT

Project Name: Hardee County Leachate Remediation Observation OWNER # Hardee County
Date: 3/23/2016 CONTRACT DAY: 1 JE PROJECT # 95884-101-16
REPORT NUMBER 1 RPR Matt Rizer

Weather ☐ Clear ☒ Partly Cloudy ☐ Heavy Clouds ☐ Fog
Temperature 72 SSW 0-9MPH
Rain: ☒ 0-2 Hours ☐ 2-4 Hours ☐ 4-6 Hours ☐ All Day
Rainfall Amount 0.00
Soil Conditions ☐ Dry ☒ Wet ☐ Saturated

GENERAL CONTRACTOR Hardee County SUBCONTRACTOR(S):

ACTIVITIES

Personnel	No	Hours Worked	Materials Received
		Regular OT	
Superintendent	1	8	
Foreman	1	8	
Skilled	2	8	

Equipment (Active/Idle)

	A	I	A	I	A	I	A	I	Other
Grapple-Air	1								
Dump Truck On-Road	2								

Work Observation, Location, and General Comments

AM On Site

>Hardee County - Excavate storm water pond and stormwater ditch bottom and sides.

Original dimensions on stormwater pond determined to be 82' x 35' and 22' deep. After excavation dimensions determined to be 84' x 49' and 16' deep.

A total of 216.56 cubic yards of material was removed from the stormwater pond and placed in the County's active landfill.

The material that was excavated and removed from the bottom of the stormwater pond and ditch was a dark brown organic silt/sand.

After the removal of the brown organic silt/sand, the soil was a light brown to yellow clayey sand with no visible evidence of leachate staining.

The stormwater ditch located southeast of the stormwater pond and running parallel to the access road was excavated 240' in length and 4' wide to a depth of 1'.

A total of 35.55 cubic yards of material was excavated from the stormwater ditch and placed in the County's active landfill.

Note: Upon arrival I met with Willie Nabong and Steve Strickland from Hardee County.

CONTRACT ADMINISTRATOR'S SIGNATURE: <i>Donat 7. J. Hill</i> DATE: 3/25/16		RESIDENT OBSERVER'S SIGNATURE: <i>M. R. Ryan</i> DATE: 3/23/2016	
This report is an observation of activities. It does not authorize payment for activities recorded.			
RESIDENT PROJECT REPRESENTATIVE: <i>Mark Rizer</i>		CONTRACTOR'S REPRESENTATIVE: <i>Willie Mabong</i>	
VISITORS: <i>See Note Above</i>		DEFECTIVE WORK TO BE CORRECTED: <i>None</i>	
Tests Conducted: <i>None</i>			
BID ITEM NO.	ITEM DESCRIPTION	Qty	Unit
REMARKS AND CALCULATIONS			
CONTRACT WORK COMPLETED			
OPERATION and LOCATION / GENERAL COMMENTS (continued)			

Attachment 3



