

February 24, 2010

Jeff Rustin, PE
Permitting Manager
Florida Department of Environmental Protection
3319 Maguire Blvd., Suite 232
Orlando, Florida 32803-3333

RECEIVED
FEB 26 2010
DEP Central Dist.

RE: VOLUSIA COUNTY - TOMOKA FARMS ROAD LANDFILL
LANDFILL GAS COLLECTION SYSTEM EXPANSION NOTIFICATION

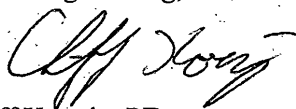
Dear Mr. Rustin:

HDR Engineering, Inc. (HDR) is submitting this notification to the Florida Department of Environmental Protection (FDEP) on behalf of Volusia County (County) to alert the FDEP of planned expansion activities of the landfill gas collection system at the Tomoka Farms Road Landfill (Landfill). This notification was requested by the FDEP during a meeting between the FDEP, County and HDR on February 8, 2010. HDR previously submitted a notification letter dated February 15, 2010. This letter summarized the gas collection system installation of six vertical landfill gas extraction wells (EW-10, EW-13, EW-14, EW-15, EW-16, and EW-17).

This letter includes information on additional construction activities the County plans to perform. The County has authorized the construction for re-drilling EW-12R due to poor gas quality observed in existing vertical well EW-12. The well will be decommissioned by excavating below grade slightly, cutting and capping the well approximately 2' below grade and regrading the surface area. The newly installed well EW-12R will be denoted as a replacement well. Horizontal well piping on the southern side slope shall be extended to allow waste placement in the area.

Included with this notification is the updated well schedule that will be used during the drilling event. Also included is an updated layout showing the location of the vertical extraction wells including EW-12R that are planned to be re-drilled. If you should have any questions regarding this gas collection system expansion please do not hesitate to contact me at (904) 598-8928.

Sincerely,
HDR Engineering, Inc.



Cliff Koenig, PE
Project Engineer

Cc: Leonard Marion, Volusia County
Jennifer Stirk, Volusia County
Tom Lubozynski, Florida Department of Environmental Protection

Volusia County
Tomoka Farms Road Landfill
Updated 2/24/2010

WELL SCHEDULE

Well ID	Northing	Easting	Surface Elevation ¹ (amsl) (ft)	Design Base Grade ² (amsl) (ft)	Calculated Waste Depth (ft)	Calculated Borehole Depth (ft)	Total HDPE Pipe (ft)	HDPE Solid Pipe (ft)	HDPE Total Perf. Pipe (ft)	HDPE 1/4" Perf. Pipe (ft)	HDPE 3/4" Perf. Pipe (ft)	Stick Up (ft)
EW-10R	1746807.74	624029.73	95	17	78	63	62	10	52	20	32	4
EW-12R	1746354.23	623840.30	129	18	111	96	95	10	85	20	65	4
EW-13R	1746082.45	623851.42	127	18	109	94	93	10	83	30	53	4
EW-14R	1745914.43	624066.20	99	18	81	66	65	10	55	20	35	4
EW-15R	1746114.43	624141.92	129	18	111	96	95	10	85	30	55	4
EW-16R	1746379.96	624122.92	135	18	117	102	101	10	91	30	61	4
EW-17R	1746605.10	624134.38	131	18	113	98	97	10	87	30	57	4
TOTALS						615	608	70	538	180	358	28

Notes:

- 1) Surface elevation information provided by Sliger and Associates on February 10, 2010 by physical survey for wells except for EW-12R surveyed on February 24, 2010.
- 2) Design Basegrade information provided by:
 - a) Original North Cell: SCS Engineers, Drawing 2 of 8, dated July 9, 1997, file LANDGRAD.dwg
 - b) North Expansion: SCS Engineers, Drawing 3 of 9, dated January 2001, file plan.dwg
 - c) Expansion Phase 1 Area: by Maptec, Inc. (Maitland, Florida) and provided by Neel-Schaffer, drawing dated 10/4/2005, file acad-n4-067th1.dwg

