

Hardee Regional CF  
gw file

SHORT ENVIRONMENTAL LABORATORIES, INC.  
10405 US 27 South  
Sebring, Florida 33870

1-800-833-4022 HRS# 85344 & E85458, FDEP QAP# 880516 (941) 655-4022

07-05-96

For: Attn: J.R. Prestridge  
Hardee County Board of County Commissioners  
Dept. of Solid Waste & Recycling Center  
P.O. Box 246  
Wauchula, FL 33873

RECEIVED  
JUL - 9 1996  
Department of Environmental Protection  
SOUTHWEST DISTRICT  
BY \_\_\_\_\_

Dear Mr. Prestridge:

As per our conversation and the request from FDEP, please find below a discussion of the pH values for wells 1 through 7 at the Hardee County Landfill. We have included a chart detailing these values beginning in May 1995 and ending in June 1996. As you can see, pH values for the December 1995 sampling event were, in most wells, significantly lower than had been previously measured. In the two sampling events since December, pH measurements are higher but most are not at levels recorded in May 1995.

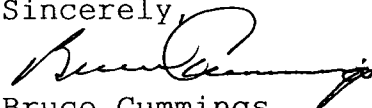
While we cannot determine precisely the reasons for these low values, we feel last summers excessive rainfall may have been responsible. This explanation is difficult to substantiate because sampling events were conducted seven months apart. With semi-annual sampling events permitted, it is possible to miss seasonal trends. In this case, no sampling was performed during the 1995 rainy season.

It also should be noted that our field personnel did change pH electrodes a few days after the December sampling event. This was done as part of our routine equipment maintenance procedures however, and not due to any problems with this instrumentation in the field.

	05/09/95	12/05/95	04/03/96	06/04/96
MW-1	4.86	3.66	4.13	4.46
MW-2	6.34	6.34	5.99	6.31
MW-3	5.35	3.87	4.62	4.64
MW-4	6.35	5.24	5.69	5.70
MW-5	5.00	4.00	4.84	4.56
MW-6	4.83	4.30	4.74	4.30
MW-7	4.48	3.92	3.96	4.21

If you have any questions or need further information, please contact me.

cc Allison Amram, FDEP Tampa, FL  
BC/b

Sincerely,  
  
Bruce Cummings  
Laboratory Director

- Note: ambient pH 4.9-5.7 in GW Mon. Network for SWFWMD, surficial aquifer