

**HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS  
CORROSION CONTROL TEST STATION  
FIELD DATA SURVEY FORM**

Location: Alpha Ridge Landfill Date Surveyed: 07/06/2007  
Between 2 and 3 Surveyed by: AS/MJ  
 T/S #: 1 Contract #: \_\_\_\_\_  
 T/S Type: ST w/Anode Pipe Size: 4" and 6"  
 Was the T/S located? YES / NO Yes

**TEST STATION CONDITION**

Test Box: Test Box 700  
 Terminal Board: Black Wire to 6" and white to 4"  
 Wires: \_\_\_\_\_  
 Other: \_\_\_\_\_

**SURVEY DATA**

Test Wire Size/Description	Color	P/Cu-CuSO <sub>4</sub> (V)		P/Zn (V)		Anode (mA)
		"On"	"Off"	"On"	"Off"	
1. #10 AWG	Red	-0.777	-1.689	0.368	-0.547	11
2. #10 AWG	White		-0.533		0.566	
3. #10 AWG	Black		-0.498		0.608	
4. #10 AWG	White	-0.777	-0.537	0.365	0.568	
5. Bolt						
6. #10 AWG	Green	-1.119	-1.129			
7. #10 AWG	Black	-0.777	-0.538	0.365	0.612	
8.						

P/Cu-CuSO<sub>4</sub> = Pipe to Copper-Copper Sulfate Reference Electrode  
 P/Zn = Pipe to Zinc Reference Electrode  
 "On" = Reading with Anode(s) connected  
 "Off" = Reading with Anode(s) disconnected  
 Anode = Current output Anode(s)

**TESTING THE EFFECTIVENESS OF INSULATING JOINTS**

Groundbed: \_\_\_\_\_  
 Connected to (B/W): \_\_\_\_\_

	Current (A)	Voltage (V)	Resistance (ohms)
ON:			
OFF:			
DELTA:			

**TESTING IR DROP**

IR Drop Calibrations	I (A)	E (mV)	$K = \frac{\Delta I \text{ (mA)}}{\Delta E \text{ (mV)}}$ Direction: _____	Between Terminals	Resistance (ohms)
INITIAL:					
FINAL:					
DELTA:					

**REPAIRS MADE**

Test Box: \_\_\_\_\_  
 Terminal Board: \_\_\_\_\_  
 Wires: \_\_\_\_\_  
 Other: \_\_\_\_\_  
 Comments/Recommendations: \_\_\_\_\_



**Figure 221 - Location of Test Station 1 at Alpha Ridge Landfill**



**Figure 222 - Location of Test Station 1 at Alpha Ridge Landfill close-up**