

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

Location: Alpha Ridge Landfill Date Surveyed: 07/06/2007
 T/S #: 02 Surveyed by: AS/MJ
 T/S Type: ST w/Anode Contract #: _____
 Pipe Size: 4" and 6"
 Was the T/S located? YES / NO Yes

TEST STATION CONDITION

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

SURVEY DATA

Test Wire Size/Description	Color	P/Cu-CuSO ₄ (V)		P/Zn (V)		Anode (mA)
		"On"	"Off"	"On"	"Off"	
1. #10 AWG	Red	-0.602	-1.675	0.512	-0.567	29.5
2. #10 AWG	White		-0.540		0.576	
3. #10 AWG	Black		-0.592		0.521	
4. #10 AWG	White	-0.601	-0.537	0.512	0.576	
5. Bolt						
6. #10 AWG	Green	-1.102	-1.105			
7. #10 AWG	Black	-0.604	-0.587	0.511	0.649	
8.						

P/Cu-CuSO₄ = 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 223 - Location of Test Station 2 at Alpha Ridge Landfill



Figure 224 - Location of Test Station 2 at Alpha Ridge Landfill close-up