

**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 #: 3 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	-0.585	-1.620	0.561	-0.494	30
2. #10 AWG	White		-0.412		0.732	
3. #10 AWG	Black		-0.465		0.673	
4. #10 AWG	White	-0.585		0.559	0.733	
5. Bolt						
6. #10 AWG	Green	-1.122	-1.1125			
7. #10 AWG	Black	-0.585	-0.463	0.558	0.675	
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 225 - Location of Test Station 3 at Alpha Ridge Landfill



Figure 226 - Location of Test Station 3 at Alpha Ridge Landfill close-up