

Appendix 7

Procedures and activities related to the Tier II Landfill

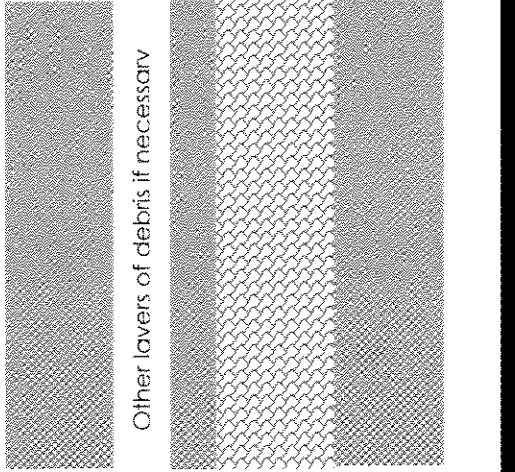
Memo to Harry Flaherty

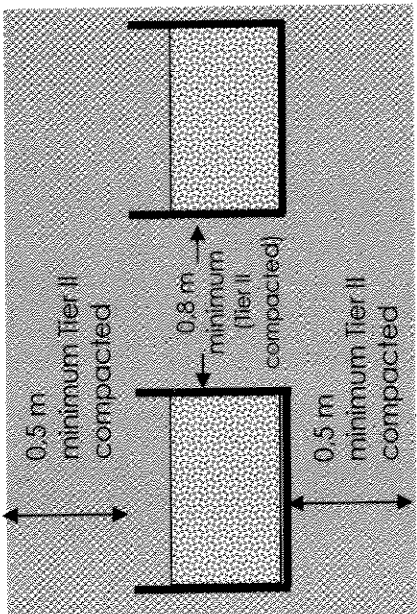
Superintendent, Resolution Island project

From : Celine Mercier (based on a Email from Bill Horne –EBA Engineering Consultants Ltd- the 05/20/04)

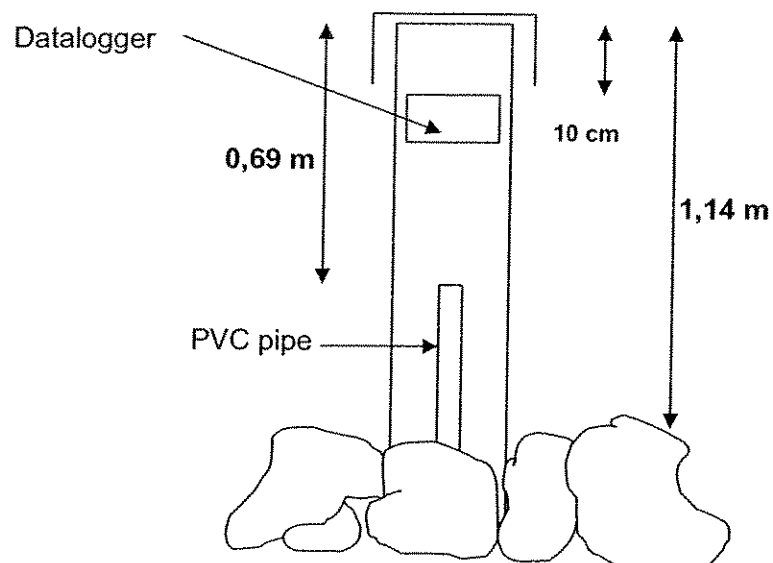
Date : July 1st 2005

Object : Procedures landfill Tier II concerning the "non-soil" debris

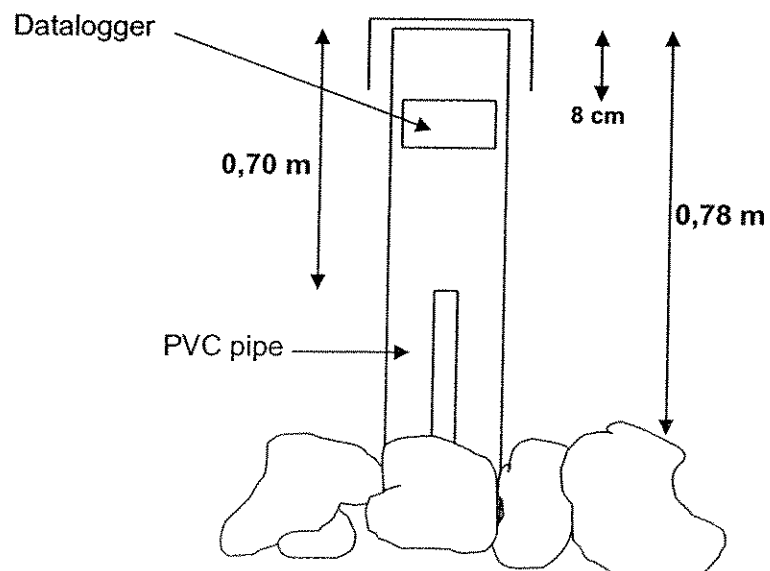
Type of "non-soil" debris	Volume (m ³)	Procedure	Other requirements
Assorted metal electrical cabinets and furniture from the furniture dump	50 Not compacted yet		DO NOT PLACE THESE WASTE MATERIALS WITHIN 3 M OF THE OUTSIDE PERIMETER BERM
Assorted metal and wooden building debris from building demolition in the S1/S4 Valley	110 Not compacted yet	Same procedure as above	DO NOT PLACE THESE DEBRIS UNTIL A MINIMUM OF 1 METRE OF TIER II HAS BEEN PLACED AND COMPACTED

Type of "non-soil" debris	Volume (m ³)	Procedure	Other requirements
Tier II shredded wood	15	Mix shredded wood with Tier II soil Compact in maximum lift thickness of 0,25 m	/
Soil contaminated with lead, mercury, stored in wooden boxes with a plastic liner	60		REMOVE LIDS FROM BOXES AND PLACE AND COMPACT TIER II SOIL TO THE LEVEL OF THE TOP BOX
Insulation from maintenance building demolition	50	Place insulation in an even layer near the base of the facility	MINIMIZE LAYER THICKNESS
Rejects rocks from CEPA soil screening	1200	The landfilling of these rejects rocks will depend on the contamination of the rocks	IF LANDFILLED, SHOULD BE MIXED WITH TIER II SOIL TO CREATE A WELL GRADED MATERIAL

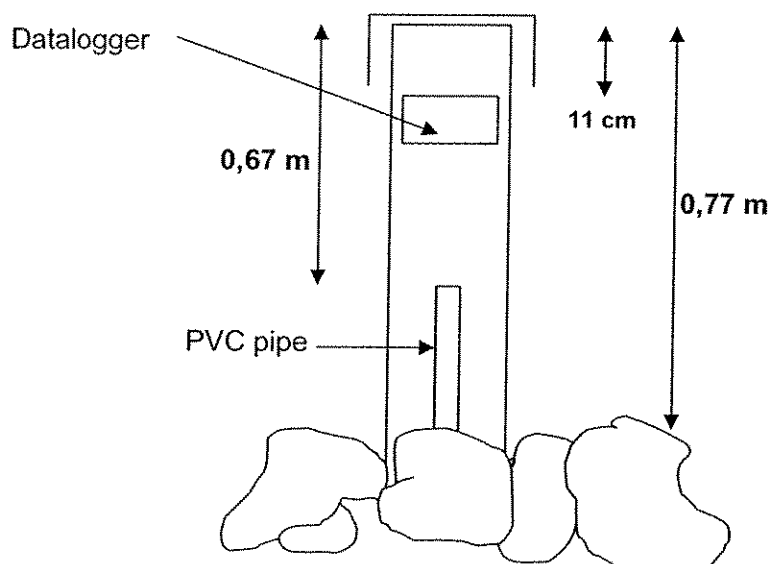
Land East Thermistor



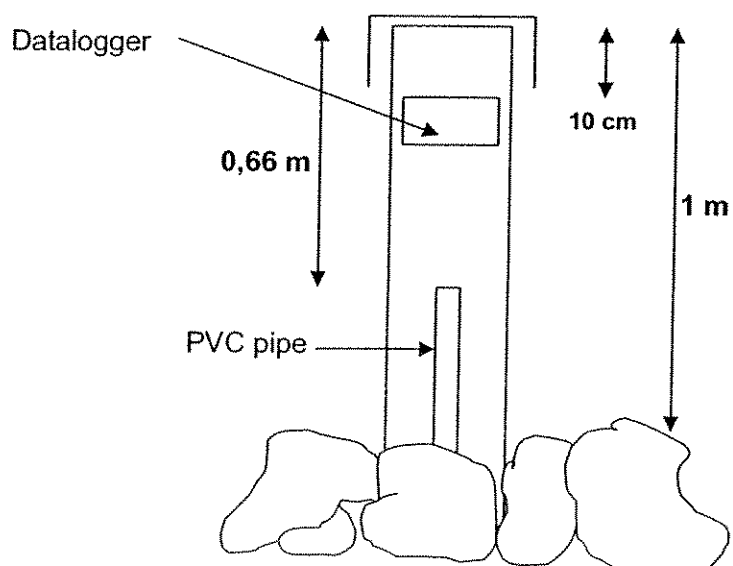
Berm SE Thermistor



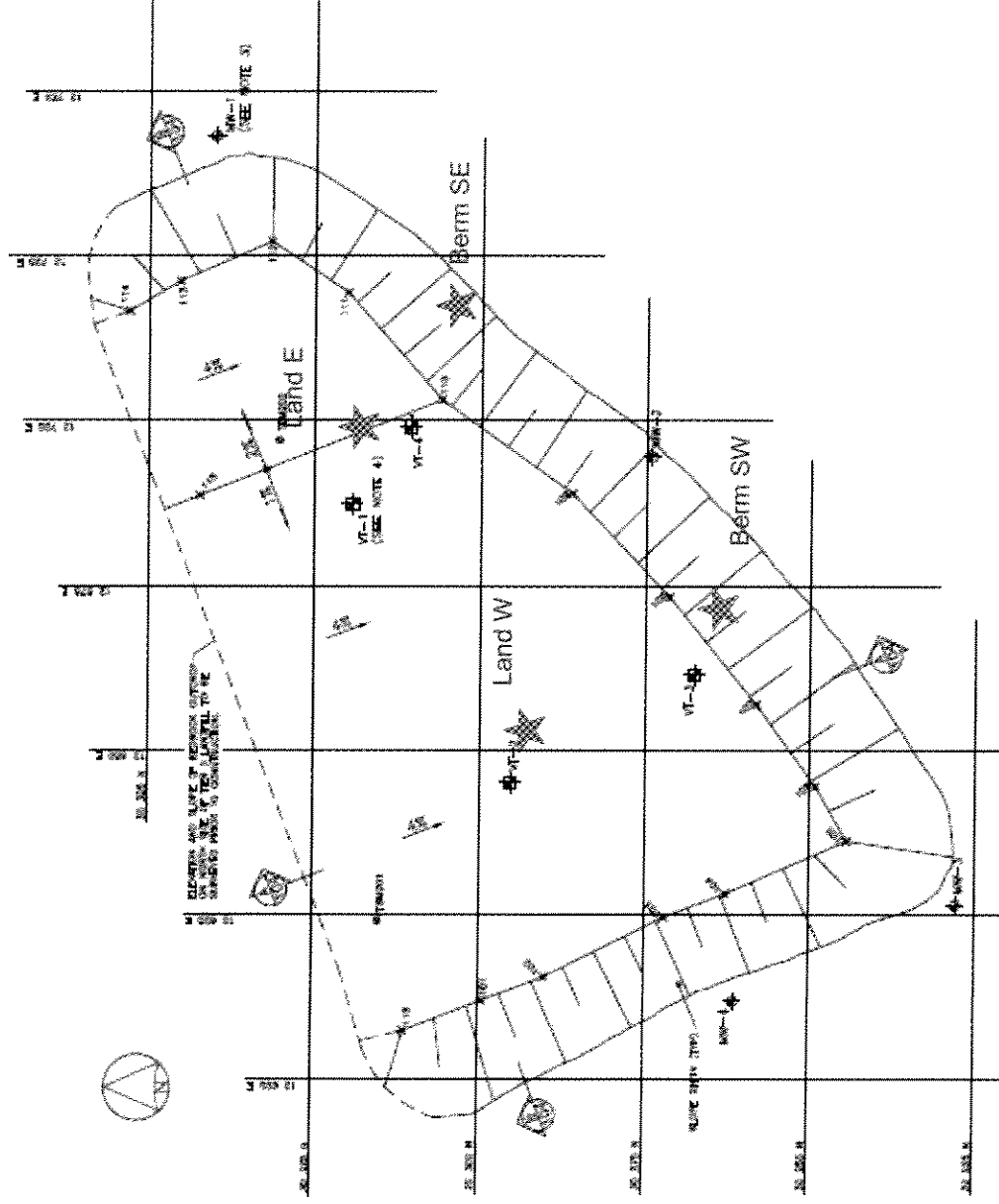
Berm SW Thermistor



Land West Thermistor



THERMISTORS SET UP



<u>Berm SW Thermistor</u>	Data logger 40	1311 Lead length = 8 m	Membrane	Top of type 1	North: 30271 East: 12674	Depth: 1,75 m below first layer of geomembrane First bead elevation: <u>314,13</u> 8 beads 3 m of thermistor cable inside the PVC pipe (The zero of the thermistor string is 1 m outside the top of the PVC pipe; one bead every 0,5 m)
				317,25 + 0,3 = 317,55		
			315,88			
<u>Land West Thermistor</u>	Data logger 36	1318 Lead length = 18 m	Membrane	Top of type 1	North: 30298 East: 12651	Depth: 2 m below top of type 4 First bead elevation: <u>316,58</u> 8 beads 3,5 m of thermistor cable inside the PVC pipe (The zero of the thermistor string is 0,5 m outside the top of the PVC pipe; one bead at the top of the PVC pipe; one bead every 0,5 m)
				319,95		
			318,58			