

Hematit
Decommissioning
Project

Procedure: HDP-PR-HP-311, Radiological Surveys

FORM HDP-PR-HP-311-1 RADIOLOGICAL SURVEY REPORT

Purpose of Survey: Survey of storm water drain pipe located in LSA 05-02						Log Number: 3084 C 130814				
Technician(s): Print/Sign/Date S. Jenkins <i>[Signature]</i> 8/14/13			Reviewed by: Print/Sign/Date Michelle Bresnahan <i>[Signature]</i> 8/23/13							
Instrument & Probe	Serial Number	Calibration Due	Probe Area (cm²)	Alpha Bkg (cpm)	Alpha Efficiency	Alpha MDA (dpm)	Beta Bkg (cpm)	Beta Efficiency	Beta MDA (dpm)	Date: 8/14/2013
Tennelec LB 1 GFPC	68819	9/25/13	N/A	0.9	26.3%	23.4	3.0	31.0%	28	Time: 11:15
Lud 2360 43-89 D	276928	7/27/14	125	6.0	13.2%	87.3	192.0	8.6%	628	Smear Area: ~ 100 cm ²
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Batch #: 32791
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	RWP: RP-13-G009
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Misc: N/A

Remarks: Average GA BKG was 4 alpha / 350 beta. IAL CPM based on FSS instructions was 31 alpha / 567 beta. No areas noted above IAL. See attached map for location information.

#	Description	Removable Alpha		Removable Beta		Total Alpha		Total Beta		By Dose Rate		Limit Exceeded
		Net CPM	DPM / 100cm ²	Net CPM	DPM / 100cm ²	Gross CPM	DPM / 100cm ²	Gross CPM	DPM / 100cm ²	Contact uR/hr	Gen. Area uR/hr	
1	1 meter of storm pipe ext. surface	-0.9	<MDA	2.3	<MDA	10	<MDA	393	1870	N/A	N/A	N/A
2	1 meter of storm pipe ext. surface	2.1	<MDA	3.3	<MDA	11	<MDA	389	1833	N/A	N/A	N/A
3	1 meter of storm pipe ext. surface	-0.9	<MDA	-1.7	<MDA	9	<MDA	415	2075	N/A	N/A	N/A
4	1 meter of storm pipe ext. surface	1.0	<MDA	4.7	<MDA	12	<MDA	372	1675	N/A	N/A	N/A
5	1 foot of accessible storm pipe int.	2.1	<MDA	0.3	<MDA	5	<MDA	395	1889	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

α - removable alpha
β - removable beta
φ - direct reading

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vision: 0

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Print/Sign/Date					Print/Sign/Date						
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N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Batch #: 32791	
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	RWP: RP-13-G009	
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Misc: N/A	

Remarks: Average GA BKG was 4 alpha / 350 beta. IAL CPM based on FSS instructions was 31 alpha / 567 beta. No areas noted above IAL. See attached map for location information.

4
3
2
1
5*

*Internal - 1 foot