

Textron, Inc.
Former Gorham Manufacturing Facility, Providence, RI
Remedial Action Completion Report: Phase II Area – Mashapaug Inner Cove,
Phase III Area – Northeast Upland And Parcel C
Project No.: 3652160001
February 12, 2016



TABLES

Table 1
Groundwater Results 1989 - 2015
Former Gorham Manufacturing Site
Providence, RI

Location:				MW-235S	MW-235S	MW-235S	MW-236S	MW-236S	MW-236S	MW-236S	MW-236S	MW-237S	MW-237S	MW-237S	MW-237S	MW-241	MW-241	MW-241
Sample ID:				GWMW235S	MW-235S	MW-235S	GWMW236S	GWMW236S	GWMW236S DUP	MW-236S	MW-236S	GWMW237S Dup	GWMW237S	MW-237S	MW-237S	GWMW241	MW-241	MW-241
Sample Date:				11/30/2009	7/15/2015	12/16/2015	11/30/2009	8/9/2010	8/9/2010	7/15/2015	12/16/2015	11/30/2009	11/30/2009	7/15/2015	12/17/2015	8/10/2010	12/16/2015	7/15/2015
Parameter Name	Units	GB	GW-3															
Vinyl chloride	MG/L	NS	50	0.0021	0.001 U	0.001 U	0.0017	0.0014	0.0014	0.0018	0.001 U	0.001 U	0.001 U	0.001 U	0.0005 J	0.001 U	0.001 U	0.001 U
Xylenes, Total	MG/L	NS	5	0.003 U	0.002 U		0.003 U	0.003 U	0.003 U	0.002 U		0.003 U	0.003 U	0.002 U		0.003 U		0.002 U
Aluminum	MG/L	NS	NS															
Antimony	MG/L	NS	8															
Arsenic	MG/L	NS	0.9															
Barium	MG/L	NS	50															
Beryllium	MG/L	NS	0.2															
Cadmium	MG/L	NS	0.004															
Calcium	MG/L	NS	NS															
Chromium	MG/L	NS	0.3															
Cobalt	MG/L	NS	NS															
Copper	MG/L	NS	NS															
Iron	MG/L	NS	NS															
Lead	MG/L	NS	0.01															
Magnesium	MG/L	NS	NS															
Manganese	MG/L	NS	NS															
Mercury	MG/L	NS	0.02															
Nickel	MG/L	NS	0.2															
Potassium	MG/L	NS	NS															
Selenium	MG/L	NS	0.1															
Silver	MG/L	NS	0.007															
Sodium	MG/L	NS	NS															
Thallium	MG/L	NS	3															
Vanadium	MG/L	NS	4															
Zinc	MG/L	NS	0.9															
Total Cyanide	MG/L	NS	0.03															

Notes:

MG/L - milligrams per liter
 NS - No Standard Established
 U - Not detected
 J - Estimated Value
 D - Dilution
 Parcel C Well: MW-D/B-4 (GB Groundwater Criteria)
 Parcel C-1 Wells: MW-235S, MW-236S, MW-237S, and
 MW-FS/B-6 (MassDEP GW-3 Groundwater Criteria)
 Concentrations did not exceed Massachusetts Contingency Plan
 GW-3 criteria per the approved April 2001 Remedial Action Work Plan.
 Ambient Water Quality Criteria (AWQC) does not apply to the above
 volatile organic compounds.
 Yellow highlighted cells exceed the GB Criteria

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Providence, RI

Location:				MW-D/B-4	MW-D/B-4	MW-D/B-4	MW-D/B-4	MW-D/B-4	MW-D/B-4	MW-D/B-4	MW-D/B-4	MW-FS/B-6S	MW-FS/B-6S	MW-FS/B-6S	MW-FS/B-6S	MW-FS/B-6S
Sample ID:				MW-D	GMMWXXDXXX01XX	MW-D	MW-D	GWMWD	MW-D	DUP-01	MW-D	MW-FS	MW-FS	MW-FS	MW-FS	DUP-01
Sample Date:				4/13/1989	9/21/1994	10/15/1997	12/9/1998	2/19/2010	7/15/2015	7/15/2015	12/17/2015	4/13/1989	12/9/1998	7/15/2015	12/16/2015	12/16/2015
Parameter Name	Units	GB	GW-3													
Vinyl chloride	MG/L	NS	50	0.02 U	0.02 U	0.01 U	0.003	0.003	0.0033	0.003	0.0034	0.01 U	0.002 U	0.001 U	0.001 U	0.001 U
Xylenes, Total	MG/L	NS	5	0.01 U	0.02 U	0.005 U	0.001 U	0.003 U	0.002 U	0.002 U		0.005 U	0.001 U	0.002 U		
Aluminum	MG/L	NS	NS		0.3											
Antimony	MG/L	NS	8		0.1 U											
Arsenic	MG/L	NS	0.9		0.01 U											
Barium	MG/L	NS	50		0.2 U											
Beryllium	MG/L	NS	0.2		0.01 U											
Cadmium	MG/L	NS	0.004		0.005 U											
Calcium	MG/L	NS	NS		49.3											
Chromium	MG/L	NS	0.3		0.05 U											
Cobalt	MG/L	NS	NS		0.05 U											
Copper	MG/L	NS	NS		0.02 U											
Iron	MG/L	NS	NS		0.1 U											
Lead	MG/L	NS	0.01		0.016		0.005 U						0.005 U			
Magnesium	MG/L	NS	NS		15.7											
Manganese	MG/L	NS	NS		0.47											
Mercury	MG/L	NS	0.02		0.0005 U											
Nickel	MG/L	NS	0.2		0.04 U											
Potassium	MG/L	NS	NS		1.8											
Selenium	MG/L	NS	0.1		0.01 U											
Silver	MG/L	NS	0.007		0.01 U											
Sodium	MG/L	NS	NS		25.1											
Thallium	MG/L	NS	3		0.01 U											
Vanadium	MG/L	NS	4		0.05 U											
Zinc	MG/L	NS	0.9		0.05											
Total Cyanide	MG/L	NS	0.03		0.01 U							0.01 U				

Notes:

MG/L - milligrams per liter

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Parcel C Well: MW-D/B-4 (GB Groundwater Criteria)

Parcel C-1 Wells: MW-235S, MW-236S, MW-237S, and

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