

Appendix B-12

Summary of Risks and Hazards with and without FRW

TABLE 1
SUMMARY OF RECEPTOR RISKS AND HAZARDS WITH AND WITHOUT FRW
REMEDIAL INVESTIGATION
RAYMARK-OU6
STRATFORD, CONNECTICUT

Property	Total Area (acres)	Area of Raymark Waste (acres)	Fraction of Area estimated to contain Raymark Waste (FRW)	Lead (1)		Total Cancer Risks(2)		Total Noncancer Hazard Index	
				with FRW	without FRW	with FRW	without FRW	with FRW	without FRW
Lockwood Avenue Property - commercial	5.3	1.8	0.34	0.5-1.2%	2-3.6%	4.8E-05	1.4E-04	2.1	6.3
Lockwood Avenue Property- recreational	5.3	1.8	0.34	2.5%	31.7%	8.6E-05	2.1E-04	9.2	27
200 Ferry Boulevard	0.6	0.04	0.07	0.2-0.6%	0.4-1.1%	NE	NE	NE	NE
230 Ferry Boulevard	2.5	0.65	0.27	9 - 12%	56-58%	3.2E-04	1.2E-03	7.2	27
250 Ferry Boulevard	2.1	1.3	0.70	17-20%	28-32%	2.9E-04	4.1E-04	12	17
280 Ferry Boulevard	1.6	1.1	0.78	57-59%	69-71%	3.3E-04	4.2E-04	8.2	11
300 Ferry Boulevard	1.6	0.86	0.67	28-31%	46-49%	2.8E-04	4.2E-04	18	27
Lot behind 326 Ferry Boulevard	1.7	0.75	0.43	2.2-3.9%	10-13%	1.7E-04	4.0E-04	9	21
Vacant Lot at Housatonic Avenue	0.5	0.15	0.33	91%	99.7%	6.3E-04	1.9E-03	20	62
326 Ferry Boulevard	0.8	0.06	0.10	NA	NA	2.8E-06	2.8E-05	0.04	0.4
576 East Broadway	1.3	0.51	0.42	7.1-9.7%	29-33%	5.0E-04	1.2E-03	16	39
600 East Broadway	4.5	0.95	0.21	1.0-2.1%	14-17%	4.0E-05	1.9E-04	1.8	8.6
Vacant DOT Lot abutting I-95	2.4	0.21	0.09	0.2-0.7%	3.0-4.9%	5.0E-06	5.6E-05	0.2	2.2
CT Right of Way	1.9	0.10	0.05	0.2-0.6%	0.8-1.7%	1.8E-06	3.5E-05	0.03	0.6
CT Right of Way - Residential Portion	0.1	0.03	0.43	1.3%	13%	3.5E-05	8.1E-05	2.2	5
304 East Main Street	0.3	0.11	0.44	17-20%	50-53%	3.1E-04	7.1E-04	21	48
340 East Main Street	0.3	0.20	0.72	21-24%	33-36%	1.2E-06	1.6E-06	0.08	0.11
380 East Main Street	0.5	0.003	0.01	0.2-0.6%	6.4-8.9%	NE	NE	NE	NE
250 East Main Street	16.7	0.10	0.01	0.2-0.6%	18-21%	1.8E-07	1.8E-05	0.005	0.54
DPW Lot	6.4	0.82	0.16	0.2-0.7%	0.7-1.7%	NE	NE	NE	NE
251 East Main Street	0.7	0.09	0.15	NA	NA	NE	NE	NE	NE
Beacon Point Area	7.4	0.99	0.15	11%	93%	1.1E-04	7.2E-04	4.3	29
1 Beacon Point Road	0.9	0.10	0.12	0.5-1.2%	13-16%	8.2E-06	1.6E-04	0.19	3.7
Airport Property North of Marine Basin	15.1	1.1	0.07	0.2-0.7%	3.0-4.9%	2.1E-05	3.0E-04	0.0014	0.02
Wooster Park	4.0	0.16	0.04	0.69%	97%	1.6E-05	4.1E-04	0.7	17
Third Avenue Property	0.3	0.02	0.06	0.16%	73%	1.5E-05	2.5E-04	2.2	36

Notes:

(1) Probability that blood lead levels exceed 10 ug/dL; EPA's goal is that no more than 5% of individuals will have blood lead concentrations above 10 ug/dL.

(2) Cancer risks estimated using the dioxin slope factor of 1.5E+5

NA- Not Applicable - COPC selection criteria for lead (1000 ppm for commercial properties) was not exceeded.

NE- Not evaluated due to insufficient data.

All properties have asbestos above 1 percent.

Lead is above levels of concern, Cancer Risks are above 1E-04, AND/OR Hazard Indices are above 1.

Cancer risks fall in the range of 10⁻⁴ to 10⁻⁶, hazard indices are less than 1, and lead is below levels of concern.

Lead is below levels of concern. Cancer risks are less than 10⁻⁶ and hazard indices are less than 1 OR cancer risks and hazard indices were not evaluated due to insufficient data.