

TABLE 4-1
SUMMARY OF RECEPTOR RISKS AND HAZARDS
REMEDIAL INVESTIGATION
RAYMARK-006
STRATFORD, CONNECTICUT

Property	Maximum Asbestos (1)	Lead (2)	Scenario/ Receptor	CR>1E-04 or HI>1	Total Cancer Risks (3)	Total Cancer Risks (4)	Major contributors to cancer risk above 1E-04 (individual cancer risk >1E-06)	Total Noncancer Hazard Index	Major contributors to noncancer Hazard Index (HI>1.0)	Future Risk (F) Both Current and Future Risk (B)
Lockwood Avenue Property	50%	0.5-1.2%	Commercial Worker	YES	4.8E-05	7.3E-05	PCBs, Dioxin TEQ, PAHs, Arsenic	2.1	PCBs	F
Lockwood Avenue Property	50%	2.5%	Recreational Visitor	YES	8.6E-05	1.9E-04	PCBs, Dioxin TEQ, PAHs, Arsenic, Dieldrin	9.2	PCBs, Chromium	F
200 Ferry Boulevard	25%	0.2-0.6%	Commercial Worker	NE	NE	NE	NE	NE	NE	-
230 Ferry Boulevard	90%	9 - 12%	Commercial Worker	YES	3.2E-04	1.4E-03	PCBs, Dioxin TEQ, Arsenic, PAHs	7.2	PCBs	B
250 Ferry Boulevard	90%	17-20%	Commercial Worker	YES	2.9E-04	6.7E-04	PCBs, Dioxin TEQ, PAHs, Arsenic	12	PCBs	B
280 Ferry Boulevard	90%	57-59%	Commercial Worker	YES	3.3E-04	9.8E-04	PCBs, Dioxin TEQ, PAHs, Arsenic	8.2	PCBs	B
300 Ferry Boulevard	75%	28-31%	Commercial Worker	YES	2.9E-04	3.6E-04	PCBs, Dioxin TEQ, Arsenic, Benzo(a)pyrene	18	PCBs	B
Lot behind 326 Ferry Boulevard	60%	2.2-3.9%	Commercial Worker	YES	1.7E-04	3.9E-04	PCBs, Dioxin TEQ, Arsenic, Benzo(a)pyrene	9	PCBs	F
Vacant Lot at Housatonic Avenue	80%	91%	Future Resident	YES	6.3E-04	3.4E-03	PCBs, Dioxin TEQ, PAHs, Arsenic	20	PCBs	F
326 Ferry Boulevard	8%	NA	Commercial Worker	NO	2.8E-06	3.4E-06	Benzo(a)pyrene	0.04	NA	B
576 East Broadway	90%	7.1-9.7%	Commercial Worker	YES	5.0E-04	2.0E-03	PCBs, Dioxin TEQ, Dieldrin, Arsenic, Benzo(a)pyrene	16	PCBs	B
600 East Broadway	85%	1.0-2.1%	Commercial Worker	YES	4.0E-05	5.9E-05	PCBs, Dioxin TEQ, Arsenic, Benzo(a)pyrene	1.8	PCBs	F
Vacant DOT lot abutting I-95	40%	0.2-0.7%	Commercial Worker	NO	5.0E-06	6.7E-06	PCBs	0.2	NA	F
CT Right-of-Way	16%	0.2-0.6%	Commercial Worker	NO	1.8E-06	NA	NA	0.03	NA	F
CT Right-of-Way - Residential Portion	16%	1.3%	Resident	YES	3.5E-05	4.4E-05	PCBs, Dioxin TEQ, PAHs, Arsenic	2.2	PCBs	B
304 East Main Street	50%	17-20%	Commercial Worker	YES	3.1E-04	3.6E-04	PCBs, Dioxin TEQ, Arsenic	21	PCBs	B
340 East Main Street	70%	21-24%	Commercial Worker	NO	1.2E-06	NA	NA	0.08	NA	B
380 East Main Street	2%	0.2-0.6%	Commercial Worker	NE	NE	NE	NE	NE	NE	-
250 East Main Street	80%	0.2-0.6%	Commercial Worker	NO	1.8E-07	NA	NA	0.005	NA	B
DPW Lot	30%	0.2-0.7%	Commercial Worker	NE	NE	NE	NE	NE	NE	-
251 East Main Street	7%	NA	Commercial Worker	NE	NE	NE	NE	NE	NE	-
Beacon Point Area	40%	11%	Recreational Visitor	YES	1.1E-04	5.1E-04	PCBs, Dioxin TEQ, PAHs, Arsenic	4.3	PCBs	B
1 Beacon Point Road	60%	0.5-1.2%	Commercial Worker	NO	8.2E-06	1.6E-05	PCBs, Dioxin TEQ, Benzo(a)pyrene	0.19	NA	B
Airport Property North of Marine Basin	40%	0.2-0.7%	Commercial Worker	NO	2.1E-05	3.6E-05	PAHs	0.0014	NA	F
Wooster Park	60%	0.69%	Recreational Visitor	NO	1.6E-05	4.4E-05	PCBs, Dioxin TEQ, Benzo(a)pyrene	0.7	NA	B
Third Avenue Property	10%	0.16%	Resident	YES	1.5E-05	1.6E-05	PCBs, Benzo(a)pyrene	2.2	PCBs	B

Notes: (1) Maximum Detected Asbestos; asbestos-containing material is material containing more than 1 percent asbestos (Appendix A to Subpart M of 40 CFR 61) (EPA, 1990). All properties have asbestos above 1 percent.

(2) 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.

(3) Cancer risks estimated using the dioxin slope factor of 1.5E+5 (mg/kg/d)-1.

(4) Cancer risks estimated using the Draft Dioxin Reassessment recommended dioxin slope factor of 1E+6 (mg/kg/d)-1.

NA- Not Applicable

NE- Not evaluated due to insufficient data.

F- Future Risk

B- Both Future and Current Risk was evaluated

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 10⁻⁶ to 10⁻⁵; 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.