

APPENDIX E

Assumptions for Receptor Activities

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(To be used in the absence of site-specific data)

The purpose of this table is to provide information for use in determining the receptor-related input factors – Level of Intrusion, Frequency of Entry, and Intensity of Contact with Soil. These values are meant as guidance when applicable site data or data from a similar site in the area is unavailable.

Receptor	Intrusion Depth (feet)	Reference	Comments	Frequency of Entry (person-days/year)	Reference	Comments	Intensity of Contact with Soil (hours/day)	Reference	Comments
Adult Resident	0 to 5	BPJ	Maximum of 5'	350	EFH	--	2	EFH	--
Child Resident	0 to 1	BPJ		350	EFH	--	2	EFH	--
Construction	1 to 5	BPJ		20 to 240	BPJ	Either small construction job or full time (5 days/week, 48 weeks/year*)	8	BPJ	Normal workday
Outdoor Maintenance	0 to 3	BPJ		240	BPJ	5 days/week, 48 weeks/year*	8	BPJ	Normal workday
Indoor Worker	Surface	BPJ	Assumes no intrusion	240	BPJ	5 days/week, 48 weeks/year*	0.5	BPJ	Outside lunch and breaks
Trespass	0 to 1	BPJ	Assumes possible digging	1 to 20	BPJ	Assumes maximum of 20 trespassers per year	4	BPJ	--
Ball field	0 to 0.5	BPJ		120	BPJ	--	1 to 2 hours/week	EFH	Averaged for season over year
Recreational	0 to 0.5	BPJ		120	BPJ	--	0.5 to 3 hours/week	EFH	Assumes golfing or hiking
Habitat Monitoring	0 to 0.5	BPJ		1 to 52	BPJ	Assumes maximum of one person per week	8	BPJ	Normal workday

References: EFH: Exposure Factors Handbook (EPA, 1997)

BPJ: Best Professional Judgment

*Assumes 2 weeks vacation and 2 weeks for sick leave and/or holidays