Appendix E - IEUBK Output

LEAD MODEL FOR WINDOWS Version 1.0

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Model Version: 1.0 Build 261
User Name: PT
Date: 8/30/2005
Site Name: Hematite Site
Operable Unit: 1
Run Mode: Site Risk Assessment

Soil/Dust Data
Run the Model
None
Water Data
Drinking Water Concentration
Soil/Dust Data
Surface Soil Concentration
Run the Model
Concentrations

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The time step used in this model run: 2 - Daily (once a day).

****** Air ******

Indoor Air Pb Concentration: 30.000 percent of outdoor.
Other Air Parameters:

Age	Time Outdoors (hours)	Ventilation Rate (m^3/day)	Lung Absorption (%)	Outdoor Air Pb Conc (ug Pb/m^3)
.5-1	1.000	2.000	32.000	0.100
1-2	2.000	3.000	32.000	0.100
2-3	3.000	5.000	32.000	0.100
3-4	4.000	5.000	32.000	0.100
4-5	4.000	5.000	32.000	0.100
5-6	4.000	7.000	32.000	0.100
6-7	4.000	7.000	32.000	0.100

****** Diet ******

Age	Diet Intake(ug/day)
.5-1	5.530
1-2	5.780
2-3	6.490
3-4	6.240
4-5	6.010
5-6	6.340
6-7	7.000

****** Drinking Water ******

Water Consumption:

Age	Water (L/day)
.5-1	0.200
1-2	0.500
2-3	0.520
3-4	0.530
4-5	0.550
5-6	0.580
6-7	0.590

Drinking Water Concentration: 8.000 ug Pb/L

****** Soil & Dust ******

Multiple Source Analysis Used
Average multiple source concentration: 123.400 ug/g

Mass fraction of outdoor soil to indoor dust conversion factor: 0.700
Outdoor airborne lead to indoor household dust lead concentration: 100.000
Use alternate indoor dust Pb sources? No

Age	Soil (ug Pb/g)	House Dust (ug Pb/g)
.5-1	162.000	123.400
1-2	162.000	123.400
2-3	162.000	123.400
3-4	162.000	123.400
4-5	162.000	123.400
5-6	162.000	123.400
6-7	162.000	123.400

****** Alternate Intake ******

Age	Alternate (ug Pb/day)
.5-1	0.000
1-2	0.000
2-3	0.000
3-4	0.000
4-5	0.000
5-6	0.000
6-7	0.000

****** Maternal Contribution: Infant Model ******

Maternal Blood Concentration: 2.500 ug Pb/dL

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CALCULATED BLOOD LEAD AND LEAD UPTAKES:
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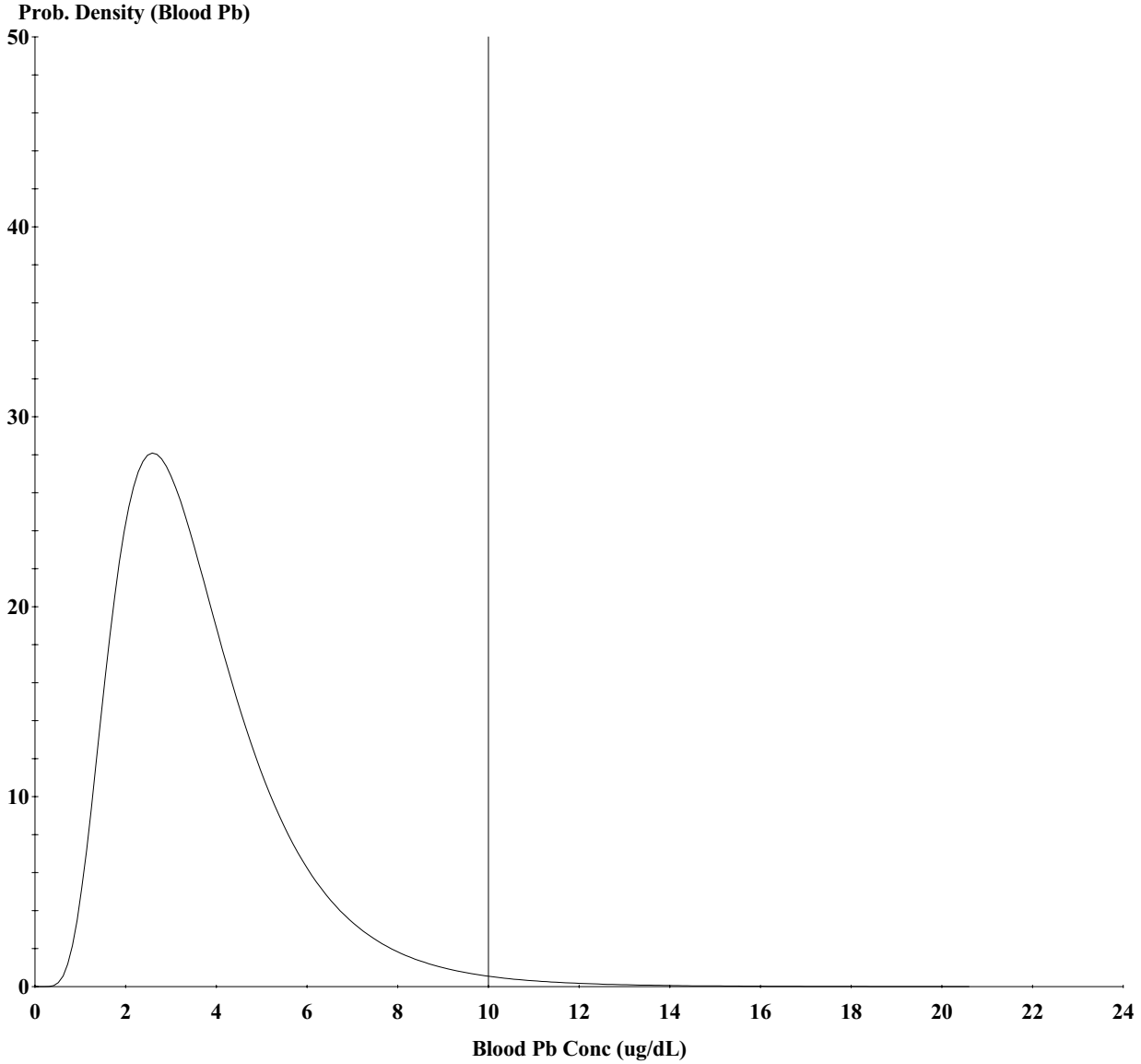
Year	Air (ug/day)	Diet (ug/day)	Alternate (ug/day)	Water (ug/day)
.5-1	0.021	2.563	0.000	0.742
1-2	0.034	2.653	0.000	1.836
2-3	0.062	3.006	0.000	1.927
3-4	0.067	2.923	0.000	1.986
4-5	0.067	2.861	0.000	2.094
5-6	0.093	3.036	0.000	2.222
6-7	0.093	3.361	0.000	2.266

Year	Soil+Dust (ug/day)	Total (ug/day)	Blood (ug/dL)
.5-1	3.328	6.654	3.6
1-2	5.233	9.756	4.0
2-3	5.282	10.278	3.8
3-4	5.341	10.316	3.6
4-5	4.020	9.042	3.1
5-6	3.640	8.991	2.8
6-7	3.447	9.169	2.6



Cutoff = 10.000 ug/dl
Geo Mean = 3.370
GSD = 1.600
% Above = 1.032
% Below = 98.968

Age Range = 0 to 84 months
Time Step = Daily
Run Mode = Site Risk Assessment