

Appendix V6-5F

Predicted Metal Concentrations Associated with
Fugitive Dust during the Construction Phase at Soil Sites
within the Human Health Local Study Area

Appendix V6-5F. Predicted Metal Concentrations Associated with Fugitive Dust during the Construction Phase at Soil Sites within the Human Health Local Study Area

Soil Sample Sites	D06 (0-10)	D06 (10-20)	D10 (0-10)	D10 (10-20)	D20 (0-10)	D20 (10-20)	D21 (0-10)	D21 (10-20)	D29 (0-10)	D29 (10-20)	D32 (0-10)	D32 (10-20)	D38 (0-10)	D38 (10-20)	D43 (0-10)
Dust Deposition	14.2	14.2	9.12	9.12	27.1	27.1	11.7	11.7	7.98	7.98	8.00	8.00	7.61	7.61	7.61
Metal Dustfall Deposition															
Aluminum	4.12E-01	4.12E-01	2.64E-01	2.64E-01	7.85E-01	7.85E-01	3.39E-01	3.39E-01	2.32E-01	2.32E-01	2.32E-01	2.32E-01	2.21E-01	2.21E-01	2.21E-01
Antimony	1.42E-06	1.42E-06	9.12E-07	9.12E-07	2.71E-06	2.71E-06	1.17E-06	1.17E-06	7.98E-07	7.98E-07	8.00E-07	8.00E-07	7.61E-07	7.61E-07	7.61E-07
Arsenic	7.11E-06	7.11E-06	4.56E-06	4.56E-06	1.35E-05	1.35E-05	5.84E-06	5.84E-06	3.99E-06	3.99E-06	4.00E-06	4.00E-06	3.80E-06	3.80E-06	3.80E-06
Barium	4.27E-05	4.27E-05	2.74E-05	2.74E-05	8.13E-05	8.13E-05	3.50E-05	3.50E-05	2.40E-05	2.40E-05	2.40E-05	2.40E-05	2.28E-05	2.28E-05	2.28E-05
Beryllium	4.69E-06	4.69E-06	3.01E-06	3.01E-06	8.94E-06	8.94E-06	3.86E-06	3.86E-06	2.63E-06	2.63E-06	2.64E-06	2.64E-06	2.51E-06	2.51E-06	2.51E-06
Bismuth	1.42E-06	1.42E-06	9.12E-07	9.12E-07	2.71E-06	2.71E-06	1.17E-06	1.17E-06	7.98E-07	7.98E-07	8.00E-07	8.00E-07	7.61E-07	7.61E-07	7.61E-07
Cadmium	1.42E-06	1.42E-06	9.12E-07	9.12E-07	2.71E-06	2.71E-06	1.17E-06	1.17E-06	7.98E-07	7.98E-07	8.00E-07	8.00E-07	7.61E-07	7.61E-07	7.61E-07
Calcium	4.55E-01	4.55E-01	2.92E-01	2.92E-01	8.67E-01	8.67E-01	3.74E-01	3.74E-01	2.56E-01	2.56E-01	2.56E-01	2.56E-01	2.44E-01	2.44E-01	2.43E-01
Chromium	2.13E-03	2.13E-03	1.37E-03	1.37E-03	4.06E-03	4.06E-03	1.75E-03	1.75E-03	1.20E-03	1.20E-03	1.20E-03	1.20E-03	1.14E-03	1.14E-03	1.14E-03
Cobalt	4.98E-04	4.98E-04	3.19E-04	3.19E-04	9.48E-04	9.48E-04	4.09E-04	4.09E-04	2.79E-04	2.79E-04	2.80E-04	2.80E-04	2.66E-04	2.66E-04	2.66E-04
Copper	1.56E-03	1.56E-03	1.00E-03	1.00E-03	2.98E-03	2.98E-03	1.29E-03	1.29E-03	8.78E-04	8.78E-04	8.79E-04	8.79E-04	8.37E-04	8.37E-04	8.37E-04
Iron	6.97E-01	6.97E-01	4.47E-01	4.47E-01	1.33E+00	1.33E+00	5.72E-01	5.72E-01	3.91E-01	3.91E-01	3.92E-01	3.92E-01	3.73E-01	3.73E-01	3.73E-01
Lead	8.53E-06	8.53E-06	5.47E-06	5.47E-06	1.63E-05	1.63E-05	7.01E-06	7.01E-06	4.79E-06	4.79E-06	4.80E-06	4.80E-06	4.57E-06	4.57E-06	4.57E-06
Magnesium	3.27E-01	3.27E-01	2.10E-01	2.10E-01	6.23E-01	6.23E-01	2.69E-01	2.69E-01	1.84E-01	1.84E-01	1.84E-01	1.84E-01	1.75E-01	1.75E-01	1.75E-01
Manganese	1.32E-02	1.32E-02	8.48E-03	8.48E-03	2.52E-02	2.52E-02	1.09E-02	1.09E-02	7.43E-03	7.43E-03	7.44E-03	7.44E-03	7.08E-03	7.08E-03	7.08E-03
Mercury	1.42E-07	1.42E-07	9.12E-08	9.12E-08	2.71E-07	2.71E-07	1.17E-07	1.17E-07	7.98E-08	7.98E-08	8.00E-08	8.00E-08	7.61E-08	7.61E-08	7.61E-08
Molybdenum	7.11E-06	7.11E-06	4.56E-06	4.56E-06	1.35E-05	1.35E-05	5.84E-06	5.84E-06	3.99E-06	3.99E-06	4.00E-06	4.00E-06	3.80E-06	3.80E-06	3.80E-06
Nickel	1.02E-03	1.02E-03	6.57E-04	6.57E-04	1.95E-03	1.95E-03	8.41E-04	8.41E-04	5.75E-04	5.75E-04	5.76E-04	5.76E-04	5.48E-04	5.48E-04	5.48E-04
Phosphorus	3.13E-03	3.13E-03	2.01E-03	2.01E-03	5.96E-03	5.96E-03	2.57E-03	2.57E-03	1.76E-03	1.76E-03	1.76E-03	1.76E-03	1.67E-03	1.67E-03	1.67E-03
Potassium	1.42E-03	1.42E-03	9.12E-04	9.12E-04	2.71E-03	2.71E-03	1.17E-03	1.17E-03	7.98E-04	7.98E-04	8.00E-04	8.00E-04	7.61E-04	7.61E-04	7.61E-04
Selenium	7.11E-06	7.11E-06	4.56E-06	4.56E-06	1.35E-05	1.35E-05	5.84E-06	5.84E-06	3.99E-06	3.99E-06	4.00E-06	4.00E-06	3.80E-06	3.80E-06	3.80E-06
Silver	1.42E-06	1.42E-06	9.12E-07	9.12E-07	2.71E-06	2.71E-06	1.17E-06	1.17E-06	7.98E-07	7.98E-07	8.00E-07	8.00E-07	7.61E-07	7.61E-07	7.61E-07
Sodium	3.56E-03	3.56E-03	2.28E-03	2.28E-03	6.77E-03	6.77E-03	2.92E-03	2.92E-03	2.00E-03	2.00E-03	2.00E-03	2.00E-03	1.90E-03	1.90E-03	1.90E-03
Strontium	1.99E-04	1.99E-04	1.28E-04	1.28E-04	3.79E-04	3.79E-04	1.64E-04	1.64E-04	1.12E-04	1.12E-04	1.12E-04	1.12E-04	1.07E-04	1.07E-04	1.07E-04
Thallium	1.42E-06	1.42E-06	9.12E-07	9.12E-07	2.71E-06	2.71E-06	1.17E-06	1.17E-06	7.98E-07	7.98E-07	8.00E-07	8.00E-07	7.61E-07	7.61E-07	7.61E-07
Tin	2.84E-05	2.84E-05	1.82E-05	1.82E-05	5.42E-05	5.42E-05	2.34E-05	2.34E-05	1.60E-05	1.60E-05	1.60E-05	1.60E-05	1.52E-05	1.52E-05	1.52E-05
Titanium	3.13E-02	3.13E-02	2.01E-02	2.01E-02	5.96E-02	5.96E-02	2.57E-02	2.57E-02	1.76E-02	1.76E-02	1.76E-02	1.76E-02	1.67E-02	1.67E-02	1.67E-02
Uranium	1.42E-06	1.42E-06	9.12E-07	9.12E-07	2.71E-06	2.71E-06	1.17E-06	1.17E-06	7.98E-07	7.98E-07	8.00E-07	8.00E-07	7.61E-07	7.61E-07	7.61E-07
Vanadium	1.42E-03	1.42E-03	9.12E-04	9.12E-04	2.71E-03	2.71E-03	1.17E-03	1.17E-03	7.98E-04	7.98E-04	8.00E-04	8.00E-04	7.61E-04	7.61E-04	7.61E-04
Zinc	8.39E-04	8.39E-04	5.38E-04	5.38E-04	1.60E-03	1.60E-03	6.89E-04	6.89E-04	4.71E-04	4.71E-04	4.72E-04	4.72E-04	4.49E-04	4.49E-04	4.49E-04

Notes:

All concentrations are in g/m²/year.

Appendix V6-5F. Predicted Metal Concentrations Associated with Fugitive Dust during the Construction Phase at Soil Sites within the Human Health Local Study Area

Soil Sample Sites	D43 (10-20)	D54 (0-10)	D54 (10-20)	D57 (0-10)	D57 (10-20)	D59 (0-10)	D59 (10-20)	D61 (0-10)	D61 (10-20)	D70 (0-10)	D70 (10-20)	D72 (0-10)	D72 (10-20)	D76 (0-10)	D76 (10-20)
Dust Deposition	7.61	9.12	9.12	7.98	7.98	7.60	7.60	7.60	7.60	7.60	7.60	7.61	7.61	7.61	7.61
Metal Dustfall Deposition															
Aluminum	2.21E-01	2.64E-01	2.64E-01	2.32E-01	2.32E-01	2.21E-01	2.21E-01	2.21E-01	2.21E-01	3.65E-02	3.65E-02	2.21E-01	2.21E-01	2.21E-01	2.21E-01
Antimony	7.61E-07	9.12E-07	9.12E-07	7.98E-07	7.98E-07	7.60E-07	7.60E-07	7.60E-07	7.60E-07	5.32E-06	5.32E-06	7.61E-07	7.61E-07	7.61E-07	7.61E-07
Arsenic	3.80E-06	4.56E-06	4.56E-06	3.99E-06	3.99E-06	3.80E-06	3.80E-06	3.80E-06	3.80E-06	2.97E-03	2.97E-03	3.80E-06	3.80E-06	3.80E-06	3.80E-06
Barium	2.28E-05	2.74E-05	2.74E-05	2.40E-05	2.40E-05	2.28E-05	2.28E-05	2.28E-05	2.28E-05	9.13E-05	9.13E-05	2.28E-05	2.28E-05	2.28E-05	2.28E-05
Beryllium	2.51E-06	3.01E-06	3.01E-06	2.63E-06	2.63E-06	2.51E-06	2.51E-06	2.51E-06	2.51E-06	2.51E-06	2.51E-06	2.51E-06	2.51E-06	2.51E-06	2.51E-06
Bismuth	7.61E-07	9.12E-07	9.12E-07	7.98E-07	7.98E-07	7.60E-07	7.60E-07	7.60E-07	7.60E-07	7.60E-07	7.60E-07	7.61E-07	7.61E-07	7.61E-07	7.61E-07
Cadmium	7.61E-07	9.12E-07	9.12E-07	7.98E-07	7.98E-07	7.60E-07	7.60E-07	7.60E-07	7.60E-07	7.60E-07	7.60E-07	7.61E-07	7.61E-07	7.61E-07	7.61E-07
Calcium	2.43E-01	2.92E-01	2.92E-01	2.56E-01	2.56E-01	2.43E-01	2.43E-01	2.43E-01	2.43E-01	5.17E-01	5.17E-01	2.43E-01	2.43E-01	2.43E-01	2.43E-01
Chromium	1.14E-03	1.37E-03	1.37E-03	1.20E-03	1.20E-03	1.14E-03	1.14E-03	1.14E-03	1.14E-03	9.89E-04	9.89E-04	1.14E-03	1.14E-03	1.14E-03	1.14E-03
Cobalt	2.66E-04	3.19E-04	3.19E-04	2.79E-04	2.79E-04	2.66E-04	2.66E-04	2.66E-04	2.66E-04	3.42E-04	3.42E-04	2.66E-04	2.66E-04	2.66E-04	2.66E-04
Copper	8.37E-04	1.00E-03	1.00E-03	8.78E-04	8.78E-04	8.37E-04	8.37E-04	8.37E-04	8.37E-04	6.46E-04	6.46E-04	8.37E-04	8.37E-04	8.37E-04	8.37E-04
Iron	3.73E-01	4.47E-01	4.47E-01	3.91E-01	3.91E-01	3.73E-01	3.73E-01	3.73E-01	3.73E-01	4.94E-01	4.94E-01	3.73E-01	3.73E-01	3.73E-01	3.73E-01
Lead	4.57E-06	5.47E-06	5.47E-06	4.79E-06	4.79E-06	4.56E-06	4.56E-06	4.56E-06	4.56E-06	1.67E-05	1.67E-05	4.56E-06	4.56E-06	4.57E-06	4.57E-06
Magnesium	1.75E-01	2.10E-01	2.10E-01	1.84E-01	1.84E-01	1.75E-01	1.75E-01	1.75E-01	1.75E-01	2.43E-01	2.43E-01	1.75E-01	1.75E-01	1.75E-01	1.75E-01
Manganese	7.08E-03	8.48E-03	8.48E-03	7.43E-03	7.43E-03	7.07E-03	7.07E-03	7.07E-03	7.07E-03	1.06E-02	1.06E-02	7.08E-03	7.08E-03	7.08E-03	7.08E-03
Mercury	7.61E-08	9.12E-08	9.12E-08	7.98E-08	7.98E-08	7.60E-08	7.60E-08	7.60E-08	7.60E-08	7.60E-08	7.60E-08	7.61E-08	7.61E-08	7.61E-08	7.61E-08
Molybdenum	3.80E-06	4.56E-06	4.56E-06	3.99E-06	3.99E-06	3.80E-06	3.80E-06	3.80E-06	3.80E-06	9.89E-06	9.89E-06	3.80E-06	3.80E-06	3.80E-06	3.80E-06
Nickel	5.48E-04	6.57E-04	6.57E-04	5.75E-04	5.75E-04	5.48E-04	5.48E-04	5.48E-04	5.48E-04	1.52E-03	1.52E-03	5.48E-04	5.48E-04	5.48E-04	5.48E-04
Phosphorus	1.67E-03	2.01E-03	2.01E-03	1.76E-03	1.76E-03	1.67E-03	1.67E-03	1.67E-03	1.67E-03	1.06E-03	1.06E-03	1.67E-03	1.67E-03	1.67E-03	1.67E-03
Potassium	7.61E-04	9.12E-04	9.12E-04	7.98E-04	7.98E-04	7.60E-04	7.60E-04	7.60E-04	7.60E-04	3.04E-03	3.04E-03	7.61E-04	7.61E-04	7.61E-04	7.61E-04
Selenium	3.80E-06	4.56E-06	4.56E-06	3.99E-06	3.99E-06	3.80E-06	3.80E-06	3.80E-06	3.80E-06	6.08E-06	6.08E-06	3.80E-06	3.80E-06	3.80E-06	3.80E-06
Silver	7.61E-07	9.12E-07	9.12E-07	7.98E-07	7.98E-07	7.60E-07	7.60E-07	7.60E-07	7.60E-07	4.56E-06	4.56E-06	7.61E-07	7.61E-07	7.61E-07	7.61E-07
Sodium	1.90E-03	2.28E-03	2.28E-03	2.00E-03	2.00E-03	1.90E-03	1.90E-03	1.90E-03	1.90E-03	3.04E-03	3.04E-03	1.90E-03	1.90E-03	1.90E-03	1.90E-03
Strontium	1.07E-04	1.28E-04	1.28E-04	1.12E-04	1.12E-04	1.06E-04	1.06E-04	1.06E-04	1.06E-04	4.49E-04	4.49E-04	1.07E-04	1.07E-04	1.07E-04	1.07E-04
Thallium	7.61E-07	9.12E-07	9.12E-07	7.98E-07	7.98E-07	7.60E-07	7.60E-07	7.60E-07	7.60E-07	7.60E-07	7.60E-07	7.61E-07	7.61E-07	7.61E-07	7.61E-07
Tin	1.52E-05	1.82E-05	1.82E-05	1.60E-05	1.60E-05	1.52E-05	1.52E-05	1.52E-05	1.52E-05	1.52E-05	1.52E-05	1.52E-05	1.52E-05	1.52E-05	1.52E-05
Titanium	1.67E-02	2.01E-02	2.01E-02	1.76E-02	1.76E-02	1.67E-02	1.67E-02	1.67E-02	1.67E-02	7.60E-05	7.60E-05	1.67E-02	1.67E-02	1.67E-02	1.67E-02
Uranium	7.61E-07	9.12E-07	9.12E-07	7.98E-07	7.98E-07	7.60E-07	7.60E-07	7.60E-07	7.60E-07	7.60E-07	7.60E-07	7.61E-07	7.61E-07	7.61E-07	7.61E-07
Vanadium	7.61E-04	9.12E-04	9.12E-04	7.98E-04	7.98E-04	7.60E-04	7.60E-04	7.60E-04	7.60E-04	2.05E-04	2.05E-04	7.61E-04	7.61E-04	7.61E-04	7.61E-04
Zinc	4.49E-04	5.38E-04	5.38E-04	4.71E-04	4.71E-04	4.49E-04	4.49E-04	4.49E-04	4.49E-04	4.56E-04	4.56E-04	4.49E-04	4.49E-04	4.49E-04	4.49E-04

Notes:

All concentrations are in g/m²/year.

Appendix V6-5F. Predicted Metal Concentrations Associated with Fugitive Dust during the Construction Phase at Soil Sites within the Human Health Local Study Area

Soil Sample Sites	D108 (0-10)	D108 (10-20)	D109 (0-10)	D109 (10-20)	D96 (0-10)	D96 (10-20)	D99 (0-10)	D99 (10-20)	D82 (0-10)	D82 (10-20)	D88 (0-10)	D88 (10-20)	D65 (0-10)	D65 (10-20)	D119 (0-10)
Dust Deposition	11.8	11.8	7.61	7.61	27.1	27.1	7.61	7.61	7.61	7.61	7.61	7.61	7.61	7.61	7.61
Metal Dustfall Deposition															
Aluminum	3.42E-01	3.42E-01	2.21E-01	2.21E-01	7.85E-01	7.85E-01	2.21E-01	2.21E-01	2.21E-01	2.21E-01	2.21E-01	2.21E-01	2.21E-01	2.21E-01	2.21E-01
Antimony	1.18E-06	1.18E-06	7.61E-07	7.61E-07	2.71E-06	2.71E-06	7.61E-07	7.61E-07	7.61E-07	7.61E-07	7.61E-07	7.61E-07	7.61E-07	7.61E-07	7.61E-07
Arsenic	5.90E-06	5.90E-06	3.81E-06	3.81E-06	1.35E-05	1.35E-05	3.81E-06	3.81E-06	3.81E-06	3.81E-06	3.80E-06	3.80E-06	3.80E-06	3.80E-06	3.81E-06
Barium	3.54E-05	3.54E-05	2.28E-05	2.28E-05	8.13E-05	8.13E-05	2.28E-05	2.28E-05	2.28E-05	2.28E-05	2.28E-05	2.28E-05	2.28E-05	2.28E-05	2.28E-05
Beryllium	3.89E-06	3.89E-06	2.51E-06	2.51E-06	8.94E-06	8.94E-06	2.51E-06	2.51E-06	2.51E-06	2.51E-06	2.51E-06	2.51E-06	2.51E-06	2.51E-06	2.51E-06
Bismuth	1.18E-06	1.18E-06	7.61E-07	7.61E-07	2.71E-06	2.71E-06	7.61E-07	7.61E-07	7.61E-07	7.61E-07	7.61E-07	7.61E-07	7.61E-07	7.61E-07	7.61E-07
Cadmium	1.18E-06	1.18E-06	7.61E-07	7.61E-07	2.71E-06	2.71E-06	7.61E-07	7.61E-07	7.61E-07	7.61E-07	7.61E-07	7.61E-07	7.61E-07	7.61E-07	7.61E-07
Calcium	3.78E-01	3.78E-01	2.44E-01	2.44E-01	8.67E-01	8.67E-01	2.44E-01	2.44E-01	2.44E-01	2.44E-01	2.43E-01	2.43E-01	2.43E-01	2.43E-01	2.44E-01
Chromium	1.77E-03	1.77E-03	1.14E-03	1.14E-03	4.06E-03	4.06E-03	1.14E-03	1.14E-03	1.14E-03	1.14E-03	1.14E-03	1.14E-03	1.14E-03	1.14E-03	1.14E-03
Cobalt	4.13E-04	4.13E-04	2.66E-04	2.66E-04	9.48E-04	9.48E-04	2.66E-04	2.66E-04	2.66E-04	2.66E-04	2.66E-04	2.66E-04	2.66E-04	2.66E-04	2.66E-04
Copper	1.30E-03	1.30E-03	8.37E-04	8.37E-04	2.98E-03	2.98E-03	8.37E-04	8.37E-04	8.37E-04	8.37E-04	8.37E-04	8.37E-04	8.37E-04	8.37E-04	8.37E-04
Iron	5.78E-01	5.78E-01	3.73E-01	3.73E-01	1.33E+00	1.33E+00	3.73E-01	3.73E-01	3.73E-01	3.73E-01	3.73E-01	3.73E-01	3.73E-01	3.73E-01	3.73E-01
Lead	7.08E-06	7.08E-06	4.57E-06	4.57E-06	1.63E-05	1.63E-05	4.57E-06	4.57E-06	4.57E-06	4.57E-06	4.57E-06	4.57E-06	4.56E-06	4.56E-06	4.57E-06
Magnesium	2.71E-01	2.71E-01	1.75E-01	1.75E-01	6.23E-01	6.23E-01	1.75E-01	1.75E-01	1.75E-01	1.75E-01	1.75E-01	1.75E-01	1.75E-01	1.75E-01	1.75E-01
Manganese	1.10E-02	1.10E-02	7.08E-03	7.08E-03	2.52E-02	2.52E-02	7.08E-03	7.08E-03	7.08E-03	7.08E-03	7.08E-03	7.08E-03	7.07E-03	7.07E-03	7.08E-03
Mercury	1.18E-07	1.18E-07	7.61E-08	7.61E-08	2.71E-07	2.71E-07	7.61E-08	7.61E-08	7.61E-08	7.61E-08	7.61E-08	7.61E-08	7.61E-08	7.61E-08	7.61E-08
Molybdenum	5.90E-06	5.90E-06	3.81E-06	3.81E-06	1.35E-05	1.35E-05	3.81E-06	3.81E-06	3.81E-06	3.81E-06	3.80E-06	3.80E-06	3.80E-06	3.80E-06	3.81E-06
Nickel	8.50E-04	8.50E-04	5.48E-04	5.48E-04	1.95E-03	1.95E-03	5.48E-04	5.48E-04	5.48E-04	5.48E-04	5.48E-04	5.48E-04	5.48E-04	5.48E-04	5.48E-04
Phosphorus	2.60E-03	2.60E-03	1.67E-03	1.67E-03	5.96E-03	5.96E-03	1.67E-03	1.67E-03	1.67E-03	1.67E-03	1.67E-03	1.67E-03	1.67E-03	1.67E-03	1.67E-03
Potassium	1.18E-03	1.18E-03	7.61E-04	7.61E-04	2.71E-03	2.71E-03	7.61E-04	7.61E-04	7.61E-04	7.61E-04	7.61E-04	7.61E-04	7.61E-04	7.61E-04	7.61E-04
Selenium	5.90E-06	5.90E-06	3.81E-06	3.81E-06	1.35E-05	1.35E-05	3.81E-06	3.81E-06	3.81E-06	3.81E-06	3.80E-06	3.80E-06	3.80E-06	3.80E-06	3.81E-06
Silver	1.18E-06	1.18E-06	7.61E-07	7.61E-07	2.71E-06	2.71E-06	7.61E-07	7.61E-07	7.61E-07	7.61E-07	7.61E-07	7.61E-07	7.61E-07	7.61E-07	7.61E-07
Sodium	2.95E-03	2.95E-03	1.90E-03	1.90E-03	6.77E-03	6.77E-03	1.90E-03	1.90E-03	1.90E-03	1.90E-03	1.90E-03	1.90E-03	1.90E-03	1.90E-03	1.90E-03
Strontium	1.65E-04	1.65E-04	1.07E-04	1.07E-04	3.79E-04	3.79E-04	1.07E-04	1.07E-04	1.07E-04	1.07E-04	1.07E-04	1.07E-04	1.06E-04	1.06E-04	1.07E-04
Thallium	1.18E-06	1.18E-06	7.61E-07	7.61E-07	2.71E-06	2.71E-06	7.61E-07	7.61E-07	7.61E-07	7.61E-07	7.61E-07	7.61E-07	7.61E-07	7.61E-07	7.61E-07
Tin	2.36E-05	2.36E-05	1.52E-05	1.52E-05	5.42E-05	5.42E-05	1.52E-05	1.52E-05	1.52E-05	1.52E-05	1.52E-05	1.52E-05	1.52E-05	1.52E-05	1.52E-05
Titanium	2.60E-02	2.60E-02	1.67E-02	1.67E-02	5.96E-02	5.96E-02	1.67E-02	1.67E-02	1.67E-02	1.67E-02	1.67E-02	1.67E-02	1.67E-02	1.67E-02	1.67E-02
Uranium	1.18E-06	1.18E-06	7.61E-07	7.61E-07	2.71E-06	2.71E-06	7.61E-07	7.61E-07	7.61E-07	7.61E-07	7.61E-07	7.61E-07	7.61E-07	7.61E-07	7.61E-07
Vanadium	1.18E-03	1.18E-03	7.61E-04	7.61E-04	2.71E-03	2.71E-03	7.61E-04	7.61E-04	7.61E-04	7.61E-04	7.61E-04	7.61E-04	7.61E-04	7.61E-04	7.61E-04
Zinc	6.96E-04	6.96E-04	4.49E-04	4.49E-04	1.60E-03	1.60E-03	4.49E-04	4.49E-04	4.49E-04	4.49E-04	4.49E-04	4.49E-04	4.49E-04	4.49E-04	4.49E-04

Notes:

All concentrations are in g/m²/year.

Appendix V6-5F. Predicted Metal Concentrations Associated with Fugitive Dust during the Construction Phase at Soil Sites within the Human Health Local Study Area

Soil Sample Sites	D119 (10-20)	D122 (0-10)	D122 (10-20)	D132 (0-10)	D132 (10-20)	8 (0-10)	8 (10-20)	13 (0-10)	13 (10-20)	14 (0-10)	14 (10-20)	18 (0-10)	18 (10-20)	21 (0-10)	21 (10-20)
Dust Deposition	7.61	7.61	7.61	7.61	7.61	10.63	10.63	7.61	7.61	8.56	8.56	8.48	8.48	9.59	9.59
Metal Dustfall Deposition															
Aluminum	2.21E-01	2.21E-01	2.21E-01	2.21E-01	2.21E-01	3.08E-01	3.08E-01	2.21E-01	2.21E-01	9.41E-02	9.41E-02	1.19E-01	1.19E-01	2.78E-01	2.78E-01
Antimony	7.61E-07	7.61E-07	7.61E-07	7.61E-07	7.61E-07	1.06E-06	1.06E-06	7.61E-07	7.61E-07	8.56E-06	8.56E-06	8.48E-07	8.48E-07	9.59E-07	9.59E-07
Arsenic	3.81E-06	3.81E-06	3.81E-06	3.80E-06	3.80E-06	5.32E-06	5.32E-06	3.80E-06	3.80E-06	4.02E-03	4.02E-03	5.09E-05	5.09E-05	4.79E-06	4.79E-06
Barium	2.28E-05	2.28E-05	2.28E-05	2.28E-05	2.28E-05	3.19E-05	3.19E-05	2.28E-05	2.28E-05	1.37E-04	1.37E-04	1.19E-04	1.19E-04	2.88E-05	2.88E-05
Beryllium	2.51E-06	2.51E-06	2.51E-06	2.51E-06	2.51E-06	3.51E-06	3.51E-06	2.51E-06	2.51E-06	1.71E-05	1.71E-05	2.80E-06	2.80E-06	3.16E-06	3.16E-06
Bismuth	7.61E-07	7.61E-07	7.61E-07	7.61E-07	7.61E-07	1.06E-06	1.06E-06	7.61E-07	7.61E-07	8.56E-07	8.56E-07	8.48E-07	8.48E-07	9.59E-07	9.59E-07
Cadmium	7.61E-07	7.61E-07	7.61E-07	7.61E-07	7.61E-07	1.06E-06	1.06E-06	7.61E-07	7.61E-07	8.56E-07	8.56E-07	8.48E-07	8.48E-07	9.59E-07	9.59E-07
Calcium	2.44E-01	2.44E-01	2.44E-01	2.43E-01	2.43E-01	3.40E-01	3.40E-01	2.43E-01	2.43E-01	5.82E-01	5.82E-01	3.14E-01	3.14E-01	3.07E-01	3.07E-01
Chromium	1.14E-03	1.14E-03	1.14E-03	1.14E-03	1.14E-03	1.60E-03	1.60E-03	1.14E-03	1.14E-03	1.54E-03	1.54E-03	1.10E-03	1.10E-03	1.44E-03	1.44E-03
Cobalt	2.66E-04	2.66E-04	2.66E-04	2.66E-04	2.66E-04	3.72E-04	3.72E-04	2.66E-04	2.66E-04	4.88E-04	4.88E-04	2.71E-04	2.71E-04	3.36E-04	3.36E-04
Copper	8.37E-04	8.37E-04	8.37E-04	8.37E-04	8.37E-04	1.17E-03	1.17E-03	8.37E-04	8.37E-04	1.03E-03	1.03E-03	6.95E-04	6.95E-04	1.05E-03	1.05E-03
Iron	3.73E-01	3.73E-01	3.73E-01	3.73E-01	3.73E-01	5.21E-01	5.21E-01	3.73E-01	3.73E-01	5.56E-01	5.56E-01	3.90E-01	3.90E-01	4.70E-01	4.70E-01
Lead	4.57E-06	4.57E-06	4.57E-06	4.56E-06	4.56E-06	6.38E-06	6.38E-06	4.57E-06	4.57E-06	3.77E-05	3.77E-05	9.32E-06	9.32E-06	5.75E-06	5.75E-06
Magnesium	1.75E-01	1.75E-01	1.75E-01	1.75E-01	1.75E-01	2.45E-01	2.45E-01	1.75E-01	1.75E-01	3.00E-01	3.00E-01	2.03E-01	2.03E-01	2.20E-01	2.20E-01
Manganese	7.08E-03	7.08E-03	7.08E-03	7.07E-03	7.07E-03	9.89E-03	9.89E-03	7.08E-03	7.08E-03	1.28E-02	1.28E-02	7.71E-03	7.71E-03	8.92E-03	8.92E-03
Mercury	7.61E-08	7.61E-08	7.61E-08	7.61E-08	7.61E-08	1.06E-07	1.06E-07	7.61E-08	7.61E-08	8.56E-08	8.56E-08	8.48E-08	8.48E-08	9.59E-08	9.59E-08
Molybdenum	3.81E-06	3.81E-06	3.81E-06	3.80E-06	3.80E-06	5.32E-06	5.32E-06	3.80E-06	3.80E-06	1.11E-05	1.11E-05	2.54E-06	2.54E-06	4.79E-06	4.79E-06
Nickel	5.48E-04	5.48E-04	5.48E-04	5.48E-04	5.48E-04	7.66E-04	7.66E-04	5.48E-04	5.48E-04	2.65E-03	2.65E-03	6.36E-04	6.36E-04	6.90E-04	6.90E-04
Phosphorus	1.67E-03	1.67E-03	1.67E-03	1.67E-03	1.67E-03	2.34E-03	2.34E-03	1.67E-03	1.67E-03	3.08E-03	3.08E-03	1.78E-03	1.78E-03	2.11E-03	2.11E-03
Potassium	7.61E-04	7.61E-04	7.61E-04	7.61E-04	7.61E-04	1.06E-03	1.06E-03	7.61E-04	7.61E-04	8.56E-03	8.56E-03	5.09E-03	5.09E-03	9.59E-04	9.59E-04
Selenium	3.81E-06	3.81E-06	3.81E-06	3.80E-06	3.80E-06	5.32E-06	5.32E-06	3.80E-06	3.80E-06	7.70E-06	7.70E-06	4.24E-06	4.24E-06	4.79E-06	4.79E-06
Silver	7.61E-07	7.61E-07	7.61E-07	7.61E-07	7.61E-07	1.06E-06	1.06E-06	7.61E-07	7.61E-07	1.37E-05	1.37E-05	8.48E-07	8.48E-07	9.59E-07	9.59E-07
Sodium	1.90E-03	1.90E-03	1.90E-03	1.90E-03	1.90E-03	2.66E-03	2.66E-03	1.90E-03	1.90E-03	3.42E-03	3.42E-03	5.59E-03	5.59E-03	2.40E-03	2.40E-03
Strontium	1.07E-04	1.07E-04	1.07E-04	1.06E-04	1.06E-04	1.49E-04	1.49E-04	1.07E-04	1.07E-04	1.11E-03	1.11E-03	5.09E-04	5.09E-04	1.34E-04	1.34E-04
Thallium	7.61E-07	7.61E-07	7.61E-07	7.61E-07	7.61E-07	1.06E-06	1.06E-06	7.61E-07	7.61E-07	8.56E-07	8.56E-07	8.48E-07	8.48E-07	9.59E-07	9.59E-07
Tin	1.52E-05	1.52E-05	1.52E-05	1.52E-05	1.52E-05	2.13E-05	2.13E-05	1.52E-05	1.52E-05	1.71E-05	1.71E-05	1.70E-05	1.70E-05	1.92E-05	1.92E-05
Titanium	1.67E-02	1.67E-02	1.67E-02	1.67E-02	1.67E-02	2.34E-02	2.34E-02	1.67E-02	1.67E-02	8.56E-05	8.56E-05	8.48E-05	8.48E-05	2.11E-02	2.11E-02
Uranium	7.61E-07	7.61E-07	7.61E-07	7.61E-07	7.61E-07	1.06E-06	1.06E-06	7.61E-07	7.61E-07	8.56E-07	8.56E-07	8.48E-07	8.48E-07	9.59E-07	9.59E-07
Vanadium	7.61E-04	7.61E-04	7.61E-04	7.61E-04	7.61E-04	1.06E-03	1.06E-03	7.61E-04	7.61E-04	4.62E-04	4.62E-04	4.07E-04	4.07E-04	9.59E-04	9.59E-04
Zinc	4.49E-04	4.49E-04	4.49E-04	4.49E-04	4.49E-04	6.27E-04	6.27E-04	4.49E-04	4.49E-04	5.14E-04	5.14E-04	4.58E-04	4.58E-04	5.66E-04	5.66E-04

Notes:

All concentrations are in g/m²/year.

Appendix V6-5F. Predicted Metal Concentrations Associated with Fugitive Dust during the Construction Phase at Soil Sites within the Human Health Local Study Area

Soil Sample Sites	22 (0-10)	22 (10-20)	23 (0-10)	23 (10-20)	29 (0-10)	29 (10-20)	11 (0-10)	11 (10-20)	16 (0-10)	16 (10-20)	REFA-01	REFA-02	REFA-03	REFB-01	REFB-02
Dust Deposition	9.12	9.12	9.36	9.36	9.31	9.31	7.61	7.61	8.45	8.45	7.78	7.79	7.78	7.61	7.61
Metal Dustfall Deposition															
Aluminum	2.64E-01	2.64E-01	2.71E-01	2.71E-01	1.02E-01	1.02E-01	2.21E-01	2.21E-01	1.18E-01	1.18E-01	2.26E-01	2.26E-01	2.25E-01	2.21E-01	2.21E-01
Antimony	9.12E-07	9.12E-07	9.36E-07	9.36E-07	9.31E-06	9.31E-06	7.61E-07	7.61E-07	8.45E-07	8.45E-07	7.78E-07	7.79E-07	7.78E-07	7.61E-07	7.61E-07
Arsenic	4.56E-06	4.56E-06	4.68E-06	4.68E-06	4.37E-03	4.37E-03	3.80E-06	3.80E-06	5.07E-05	5.07E-05	3.89E-06	3.89E-06	3.89E-06	3.81E-06	3.81E-06
Barium	2.74E-05	2.74E-05	2.81E-05	2.81E-05	1.49E-04	1.49E-04	2.28E-05	2.28E-05	1.18E-04	1.18E-04	2.33E-05	2.34E-05	2.33E-05	2.28E-05	2.28E-05
Beryllium	3.01E-06	3.01E-06	3.09E-06	3.09E-06	1.86E-05	1.86E-05	2.51E-06	2.51E-06	2.79E-06	2.79E-06	2.57E-06	2.57E-06	2.57E-06	2.51E-06	2.51E-06
Bismuth	9.12E-07	9.12E-07	9.36E-07	9.36E-07	9.31E-07	9.31E-07	7.61E-07	7.61E-07	8.45E-07	8.45E-07	7.78E-07	7.79E-07	7.78E-07	7.61E-07	7.61E-07
Cadmium	9.12E-07	9.12E-07	9.36E-07	9.36E-07	9.31E-07	9.31E-07	7.61E-07	7.61E-07	8.45E-07	8.45E-07	7.78E-07	7.79E-07	7.78E-07	7.61E-07	7.61E-07
Calcium	2.92E-01	2.92E-01	3.00E-01	3.00E-01	6.33E-01	6.33E-01	2.44E-01	2.44E-01	3.13E-01	3.13E-01	2.49E-01	2.49E-01	2.49E-01	2.44E-01	2.44E-01
Chromium	1.37E-03	1.37E-03	1.40E-03	1.40E-03	1.68E-03	1.68E-03	1.14E-03	1.14E-03	1.10E-03	1.10E-03	1.17E-03	1.17E-03	1.17E-03	1.14E-03	1.14E-03
Cobalt	3.19E-04	3.19E-04	3.28E-04	3.28E-04	5.30E-04	5.30E-04	2.66E-04	2.66E-04	2.70E-04	2.70E-04	2.72E-04	2.73E-04	2.72E-04	2.67E-04	2.67E-04
Copper	1.00E-03	1.00E-03	1.03E-03	1.03E-03	1.12E-03	1.12E-03	8.37E-04	8.37E-04	6.93E-04	6.93E-04	8.56E-04	8.57E-04	8.55E-04	8.38E-04	8.38E-04
Iron	4.47E-01	4.47E-01	4.59E-01	4.59E-01	6.05E-01	6.05E-01	3.73E-01	3.73E-01	3.89E-01	3.89E-01	3.81E-01	3.82E-01	3.81E-01	3.73E-01	3.73E-01
Lead	5.47E-06	5.47E-06	5.62E-06	5.62E-06	4.09E-05	4.09E-05	4.57E-06	4.57E-06	9.29E-06	9.29E-06	4.67E-06	4.67E-06	4.67E-06	4.57E-06	4.57E-06
Magnesium	2.10E-01	2.10E-01	2.15E-01	2.15E-01	3.26E-01	3.26E-01	1.75E-01	1.75E-01	2.03E-01	2.03E-01	1.79E-01	1.79E-01	1.79E-01	1.75E-01	1.75E-01
Manganese	8.48E-03	8.48E-03	8.70E-03	8.70E-03	1.40E-02	1.40E-02	7.08E-03	7.08E-03	7.69E-03	7.69E-03	7.24E-03	7.24E-03	7.23E-03	7.08E-03	7.08E-03
Mercury	9.12E-08	9.12E-08	9.36E-08	9.36E-08	9.31E-08	9.31E-08	7.61E-08	7.61E-08	8.45E-08	8.45E-08	7.78E-08	7.79E-08	7.78E-08	7.61E-08	7.61E-08
Molybdenum	4.56E-06	4.56E-06	4.68E-06	4.68E-06	1.21E-05	1.21E-05	3.80E-06	3.80E-06	2.53E-06	2.53E-06	3.89E-06	3.89E-06	3.89E-06	3.81E-06	3.81E-06
Nickel	6.57E-04	6.57E-04	6.74E-04	6.74E-04	2.88E-03	2.88E-03	5.48E-04	5.48E-04	6.34E-04	6.34E-04	5.60E-04	5.61E-04	5.60E-04	5.48E-04	5.48E-04
Phosphorus	2.01E-03	2.01E-03	2.06E-03	2.06E-03	3.35E-03	3.35E-03	1.67E-03	1.67E-03	1.77E-03	1.77E-03	1.71E-03	1.71E-03	1.71E-03	1.68E-03	1.68E-03
Potassium	9.12E-04	9.12E-04	9.36E-04	9.36E-04	9.31E-03	9.31E-03	7.61E-04	7.61E-04	5.07E-03	5.07E-03	7.78E-04	7.79E-04	7.78E-04	7.61E-04	7.61E-04
Selenium	4.56E-06	4.56E-06	4.68E-06	4.68E-06	8.38E-06	8.38E-06	3.80E-06	3.80E-06	4.22E-06	4.22E-06	3.89E-06	3.89E-06	3.89E-06	3.81E-06	3.81E-06
Silver	9.12E-07	9.12E-07	9.36E-07	9.36E-07	1.49E-05	1.49E-05	7.61E-07	7.61E-07	8.45E-07	8.45E-07	7.78E-07	7.79E-07	7.78E-07	7.61E-07	7.61E-07
Sodium	2.28E-03	2.28E-03	2.34E-03	2.34E-03	3.72E-03	3.72E-03	1.90E-03	1.90E-03	5.58E-03	5.58E-03	1.95E-03	1.95E-03	1.94E-03	1.90E-03	1.90E-03
Strontium	1.28E-04	1.28E-04	1.31E-04	1.31E-04	1.21E-03	1.21E-03	1.07E-04	1.07E-04	5.07E-04	5.07E-04	1.09E-04	1.09E-04	1.09E-04	1.07E-04	1.07E-04
Thallium	9.12E-07	9.12E-07	9.36E-07	9.36E-07	9.31E-07	9.31E-07	7.61E-07	7.61E-07	8.45E-07	8.45E-07	7.78E-07	7.79E-07	7.78E-07	7.61E-07	7.61E-07
Tin	1.82E-05	1.82E-05	1.87E-05	1.87E-05	1.86E-05	1.86E-05	1.52E-05	1.52E-05	1.69E-05	1.69E-05	1.56E-05	1.56E-05	1.56E-05	1.52E-05	1.52E-05
Titanium	2.01E-02	2.01E-02	2.06E-02	2.06E-02	9.31E-05	9.31E-05	1.67E-02	1.67E-02	8.45E-05	8.45E-05	1.71E-02	1.71E-02	1.71E-02	1.68E-02	1.68E-02
Uranium	9.12E-07	9.12E-07	9.36E-07	9.36E-07	9.31E-07	9.31E-07	7.61E-07	7.61E-07	8.45E-07	8.45E-07	7.78E-07	7.79E-07	7.78E-07	7.61E-07	7.61E-07
Vanadium	9.12E-04	9.12E-04	9.36E-04	9.36E-04	5.03E-04	5.03E-04	7.61E-04	7.61E-04	4.05E-04	4.05E-04	7.78E-04	7.79E-04	7.78E-04	7.61E-04	7.61E-04
Zinc	5.38E-04	5.38E-04	5.52E-04	5.52E-04	5.58E-04	5.58E-04	4.49E-04	4.49E-04	4.56E-04	4.56E-04	4.59E-04	4.59E-04	4.59E-04	4.49E-04	4.49E-04

Notes:

All concentrations are in g/m²/year.

Appendix V6-5F. Predicted Metal Concentrations Associated with Fugitive Dust during the Construction Phase at Soil Sites within the Human Health Local Study Area

Soil Sample Sites	REFB-03	REFC-01	REFC-02	REFC-03	LSA-01	LSA-02	LSA-03	LSA-04	LSA-05	LSA-06	LSA-07A	LSA-07B	LSA-08	LSA-09A	LSA-09B
Dust Deposition	7.61	7.65	7.65	7.65	9.07	8.25	9.14	10.22	7.61	9.12	11.8	11.8	7.61	7.61	7.61
Metal Dustfall Deposition															
Aluminum	2.21E-01	2.22E-01	2.22E-01	2.22E-01	2.63E-01	2.39E-01	2.65E-01	2.96E-01	2.21E-01	2.64E-01	3.43E-01	3.43E-01	2.21E-01	2.21E-01	2.21E-01
Antimony	7.61E-07	7.65E-07	7.65E-07	7.65E-07	9.07E-07	8.25E-07	9.14E-07	1.02E-06	7.61E-07	9.12E-07	1.18E-06	1.18E-06	7.61E-07	7.61E-07	7.61E-07
Arsenic	3.81E-06	3.82E-06	3.82E-06	3.82E-06	4.53E-06	4.12E-06	4.57E-06	5.11E-06	3.80E-06	4.56E-06	5.91E-06	5.91E-06	3.80E-06	3.81E-06	3.81E-06
Barium	2.28E-05	2.29E-05	2.29E-05	2.29E-05	2.72E-05	2.47E-05	2.74E-05	3.07E-05	2.28E-05	2.74E-05	3.54E-05	3.54E-05	2.28E-05	2.28E-05	2.28E-05
Beryllium	2.51E-06	2.52E-06	2.52E-06	2.52E-06	2.99E-06	2.72E-06	3.02E-06	3.37E-06	2.51E-06	3.01E-06	3.90E-06	3.90E-06	2.51E-06	2.51E-06	2.51E-06
Bismuth	7.61E-07	7.65E-07	7.65E-07	7.65E-07	9.07E-07	8.25E-07	9.14E-07	1.02E-06	7.61E-07	9.12E-07	1.18E-06	1.18E-06	7.61E-07	7.61E-07	7.61E-07
Cadmium	7.61E-07	7.65E-07	7.65E-07	7.65E-07	9.07E-07	8.25E-07	9.14E-07	1.02E-06	7.61E-07	9.12E-07	1.18E-06	1.18E-06	7.61E-07	7.61E-07	7.61E-07
Calcium	2.44E-01	2.45E-01	2.45E-01	2.45E-01	2.90E-01	2.64E-01	2.92E-01	3.27E-01	2.44E-01	2.92E-01	3.78E-01	3.78E-01	2.44E-01	2.44E-01	2.44E-01
Chromium	1.14E-03	1.15E-03	1.15E-03	1.15E-03	1.36E-03	1.24E-03	1.37E-03	1.53E-03	1.14E-03	1.37E-03	1.77E-03	1.77E-03	1.14E-03	1.14E-03	1.14E-03
Cobalt	2.67E-04	2.68E-04	2.68E-04	2.68E-04	3.17E-04	2.89E-04	3.20E-04	3.58E-04	2.66E-04	3.19E-04	4.13E-04	4.13E-04	2.66E-04	2.66E-04	2.66E-04
Copper	8.38E-04	8.41E-04	8.41E-04	8.41E-04	9.97E-04	9.07E-04	1.01E-03	1.12E-03	8.37E-04	1.00E-03	1.30E-03	1.30E-03	8.37E-04	8.37E-04	8.37E-04
Iron	3.73E-01	3.75E-01	3.75E-01	3.75E-01	4.44E-01	4.04E-01	4.48E-01	5.01E-01	3.73E-01	4.47E-01	5.79E-01	5.79E-01	3.73E-01	3.73E-01	3.73E-01
Lead	4.57E-06	4.59E-06	4.59E-06	4.59E-06	5.44E-06	4.95E-06	5.48E-06	6.13E-06	4.57E-06	5.47E-06	7.09E-06	7.09E-06	4.57E-06	4.57E-06	4.57E-06
Magnesium	1.75E-01	1.76E-01	1.76E-01	1.76E-01	2.09E-01	1.90E-01	2.10E-01	2.35E-01	1.75E-01	2.10E-01	2.72E-01	2.72E-01	1.75E-01	1.75E-01	1.75E-01
Manganese	7.08E-03	7.11E-03	7.11E-03	7.11E-03	8.43E-03	7.67E-03	8.50E-03	9.51E-03	7.08E-03	8.48E-03	1.10E-02	1.10E-02	7.08E-03	7.08E-03	7.08E-03
Mercury	7.61E-08	7.65E-08	7.65E-08	7.65E-08	9.07E-08	8.25E-08	9.14E-08	1.02E-07	7.61E-08	9.12E-08	1.18E-07	1.18E-07	7.61E-08	7.61E-08	7.61E-08
Molybdenum	3.81E-06	3.82E-06	3.82E-06	3.82E-06	4.53E-06	4.12E-06	4.57E-06	5.11E-06	3.80E-06	4.56E-06	5.91E-06	5.91E-06	3.80E-06	3.81E-06	3.81E-06
Nickel	5.48E-04	5.51E-04	5.51E-04	5.51E-04	6.53E-04	5.94E-04	6.58E-04	7.36E-04	5.48E-04	6.57E-04	8.50E-04	8.50E-04	5.48E-04	5.48E-04	5.48E-04
Phosphorus	1.68E-03	1.68E-03	1.68E-03	1.68E-03	1.99E-03	1.81E-03	2.01E-03	2.25E-03	1.67E-03	2.01E-03	2.60E-03	2.60E-03	1.67E-03	1.67E-03	1.67E-03
Potassium	7.61E-04	7.65E-04	7.65E-04	7.65E-04	9.07E-04	8.25E-04	9.14E-04	1.02E-03	7.61E-04	9.12E-04	1.18E-03	1.18E-03	7.61E-04	7.61E-04	7.61E-04
Selenium	3.81E-06	3.82E-06	3.82E-06	3.82E-06	4.53E-06	4.12E-06	4.57E-06	5.11E-06	3.80E-06	4.56E-06	5.91E-06	5.91E-06	3.80E-06	3.81E-06	3.81E-06
Silver	7.61E-07	7.65E-07	7.65E-07	7.65E-07	9.07E-07	8.25E-07	9.14E-07	1.02E-06	7.61E-07	9.12E-07	1.18E-06	1.18E-06	7.61E-07	7.61E-07	7.61E-07
Sodium	1.90E-03	1.91E-03	1.91E-03	1.91E-03	2.27E-03	2.06E-03	2.28E-03	2.56E-03	1.90E-03	2.28E-03	2.95E-03	2.95E-03	1.90E-03	1.90E-03	1.90E-03
Strontium	1.07E-04	1.07E-04	1.07E-04	1.07E-04	1.27E-04	1.15E-04	1.28E-04	1.43E-04	1.07E-04	1.28E-04	1.65E-04	1.65E-04	1.07E-04	1.07E-04	1.07E-04
Thallium	7.61E-07	7.65E-07	7.65E-07	7.65E-07	9.07E-07	8.25E-07	9.14E-07	1.02E-06	7.61E-07	9.12E-07	1.18E-06	1.18E-06	7.61E-07	7.61E-07	7.61E-07
Tin	1.52E-05	1.53E-05	1.53E-05	1.53E-05	1.81E-05	1.65E-05	1.83E-05	2.04E-05	1.52E-05	1.82E-05	2.36E-05	2.36E-05	1.52E-05	1.52E-05	1.52E-05
Titanium	1.68E-02	1.68E-02	1.68E-02	1.68E-02	1.99E-02	1.81E-02	2.01E-02	2.25E-02	1.67E-02	2.01E-02	2.60E-02	2.60E-02	1.67E-02	1.67E-02	1.67E-02
Uranium	7.61E-07	7.65E-07	7.65E-07	7.65E-07	9.07E-07	8.25E-07	9.14E-07	1.02E-06	7.61E-07	9.12E-07	1.18E-06	1.18E-06	7.61E-07	7.61E-07	7.61E-07
Vanadium	7.61E-04	7.65E-04	7.65E-04	7.65E-04	9.07E-04	8.25E-04	9.14E-04	1.02E-03	7.61E-04	9.12E-04	1.18E-03	1.18E-03	7.61E-04	7.61E-04	7.61E-04
Zinc	4.49E-04	4.51E-04	4.51E-04	4.51E-04	5.35E-04	4.87E-04	5.39E-04	6.03E-04	4.49E-04	5.38E-04	6.97E-04	6.97E-04	4.49E-04	4.49E-04	4.49E-04

Notes:

All concentrations are in g/m²/year.

Appendix V6-5F. Predicted Metal Concentrations Associated with Fugitive Dust during the Construction Phase at Soil Sites within the Human Health Local Study Area

Soil Sample Sites	LSA-10	LSA-11	LSA-12	LSA-13A	LSA-13B	LSA-14	LSA-15	LSA-16	LSA-17	LSA-18	LSA-19	LSA-20	LSA-21
Dust Deposition	27.1	8.00	7.61	11.8	11.8	9.03	9.12	10.46	7.61	7.61	7.61	27.09	15.0
Metal Dustfall Deposition													
Aluminum	7.85E-01	2.32E-01	2.21E-01	3.42E-01	3.42E-01	1.26E-01	2.64E-01	3.03E-01	2.21E-01	2.21E-01	3.65E-02	7.85E-01	4.36E-01
Antimony	2.71E-06	8.00E-07	7.61E-07	1.18E-06	1.18E-06	9.03E-07	9.12E-07	1.05E-06	7.61E-07	7.61E-07	5.32E-06	2.71E-06	1.50E-06
Arsenic	1.35E-05	4.00E-06	3.81E-06	5.90E-06	5.90E-06	5.42E-05	4.56E-06	5.23E-06	3.80E-06	3.81E-06	2.97E-03	1.35E-05	7.52E-06
Barium	8.13E-05	2.40E-05	2.28E-05	3.54E-05	3.54E-05	1.26E-04	2.74E-05	3.14E-05	2.28E-05	2.28E-05	9.13E-05	8.13E-05	4.51E-05
Beryllium	8.94E-06	2.64E-06	2.51E-06	3.89E-06	3.89E-06	2.98E-06	3.01E-06	3.45E-06	2.51E-06	2.51E-06	2.51E-06	8.94E-06	4.97E-06
Bismuth	2.71E-06	8.00E-07	7.61E-07	1.18E-06	1.18E-06	9.03E-07	9.12E-07	1.05E-06	7.61E-07	7.61E-07	7.61E-07	2.71E-06	1.50E-06
Cadmium	2.71E-06	8.00E-07	7.61E-07	1.18E-06	1.18E-06	9.03E-07	9.12E-07	1.05E-06	7.61E-07	7.61E-07	7.61E-07	2.71E-06	1.50E-06
Calcium	8.67E-01	2.56E-01	2.44E-01	3.78E-01	3.78E-01	3.34E-01	2.92E-01	3.35E-01	2.43E-01	2.44E-01	5.17E-01	8.67E-01	4.82E-01
Chromium	4.06E-03	1.20E-03	1.14E-03	1.77E-03	1.77E-03	1.17E-03	1.37E-03	1.57E-03	1.14E-03	1.14E-03	9.89E-04	4.06E-03	2.26E-03
Cobalt	9.48E-04	2.80E-04	2.67E-04	4.13E-04	4.13E-04	2.89E-04	3.19E-04	3.66E-04	2.66E-04	2.66E-04	3.42E-04	9.48E-04	5.27E-04
Copper	2.98E-03	8.79E-04	8.38E-04	1.30E-03	1.30E-03	7.41E-04	1.00E-03	1.15E-03	8.37E-04	8.37E-04	6.46E-04	2.98E-03	1.66E-03
Iron	1.33E+00	3.92E-01	3.73E-01	5.78E-01	5.78E-01	4.16E-01	4.47E-01	5.13E-01	3.73E-01	3.73E-01	4.94E-01	1.33E+00	7.37E-01
Lead	1.63E-05	4.80E-06	4.57E-06	7.08E-06	7.08E-06	9.94E-06	5.47E-06	6.28E-06	4.57E-06	4.57E-06	1.67E-05	1.63E-05	9.03E-06
Magnesium	6.23E-01	1.84E-01	1.75E-01	2.71E-01	2.71E-01	2.17E-01	2.10E-01	2.41E-01	1.75E-01	1.75E-01	2.43E-01	6.23E-01	3.46E-01
Manganese	2.52E-02	7.44E-03	7.08E-03	1.10E-02	1.10E-02	8.22E-03	8.48E-03	9.73E-03	7.08E-03	7.08E-03	1.06E-02	2.52E-02	1.40E-02
Mercury	2.71E-07	8.00E-08	7.61E-08	1.18E-07	1.18E-07	9.03E-08	9.12E-08	1.05E-07	7.61E-08	7.61E-08	7.61E-08	2.71E-07	1.50E-07
Molybdenum	1.35E-05	4.00E-06	3.81E-06	5.90E-06	5.90E-06	2.71E-06	4.56E-06	5.23E-06	3.80E-06	3.81E-06	9.89E-06	1.35E-05	7.52E-06
Nickel	1.95E-03	5.76E-04	5.48E-04	8.50E-04	8.50E-04	6.78E-04	6.57E-04	7.53E-04	5.48E-04	5.48E-04	1.52E-03	1.95E-03	1.08E-03
Phosphorus	5.96E-03	1.76E-03	1.68E-03	2.60E-03	2.60E-03	1.90E-03	2.01E-03	2.30E-03	1.67E-03	1.67E-03	1.06E-03	5.96E-03	3.31E-03
Potassium	2.71E-03	8.00E-04	7.61E-04	1.18E-03	1.18E-03	5.42E-03	9.12E-04	1.05E-03	7.61E-04	7.61E-04	3.04E-03	2.71E-03	1.50E-03
Selenium	1.35E-05	4.00E-06	3.81E-06	5.90E-06	5.90E-06	4.52E-06	4.56E-06	5.23E-06	3.80E-06	3.81E-06	6.08E-06	1.35E-05	7.52E-06
Silver	2.71E-06	8.00E-07	7.61E-07	1.18E-06	1.18E-06	9.03E-07	9.12E-07	1.05E-06	7.61E-07	7.61E-07	4.56E-06	2.71E-06	1.50E-06
Sodium	6.77E-03	2.00E-03	1.90E-03	2.95E-03	2.95E-03	5.96E-03	2.28E-03	2.62E-03	1.90E-03	1.90E-03	3.04E-03	6.77E-03	3.76E-03
Strontium	3.79E-04	1.12E-04	1.07E-04	1.65E-04	1.65E-04	5.42E-04	1.28E-04	1.46E-04	1.07E-04	1.07E-04	4.49E-04	3.79E-04	2.11E-04
Thallium	2.71E-06	8.00E-07	7.61E-07	1.18E-06	1.18E-06	9.03E-07	9.12E-07	1.05E-06	7.61E-07	7.61E-07	7.61E-07	2.71E-06	1.50E-06
Tin	5.42E-05	1.60E-05	1.52E-05	2.36E-05	2.36E-05	1.81E-05	1.82E-05	2.09E-05	1.52E-05	1.52E-05	1.52E-05	5.42E-05	3.01E-05
Titanium	5.96E-02	1.76E-02	1.68E-02	2.60E-02	2.60E-02	9.03E-05	2.01E-02	2.30E-02	1.67E-02	1.67E-02	7.61E-05	5.96E-02	3.31E-02
Uranium	2.71E-06	8.00E-07	7.61E-07	1.18E-06	1.18E-06	9.03E-07	9.12E-07	1.05E-06	7.61E-07	7.61E-07	7.61E-07	2.71E-06	1.50E-06
Vanadium	2.71E-03	8.00E-04	7.61E-04	1.18E-03	1.18E-03	4.34E-04	9.12E-04	1.05E-03	7.61E-04	7.61E-04	2.05E-04	2.71E-03	1.50E-03
Zinc	1.60E-03	4.72E-04	4.49E-04	6.96E-04	6.96E-04	4.88E-04	5.38E-04	6.17E-04	4.49E-04	4.49E-04	4.56E-04	1.60E-03	8.88E-04

Notes:

All concentrations are in g/m²/year.