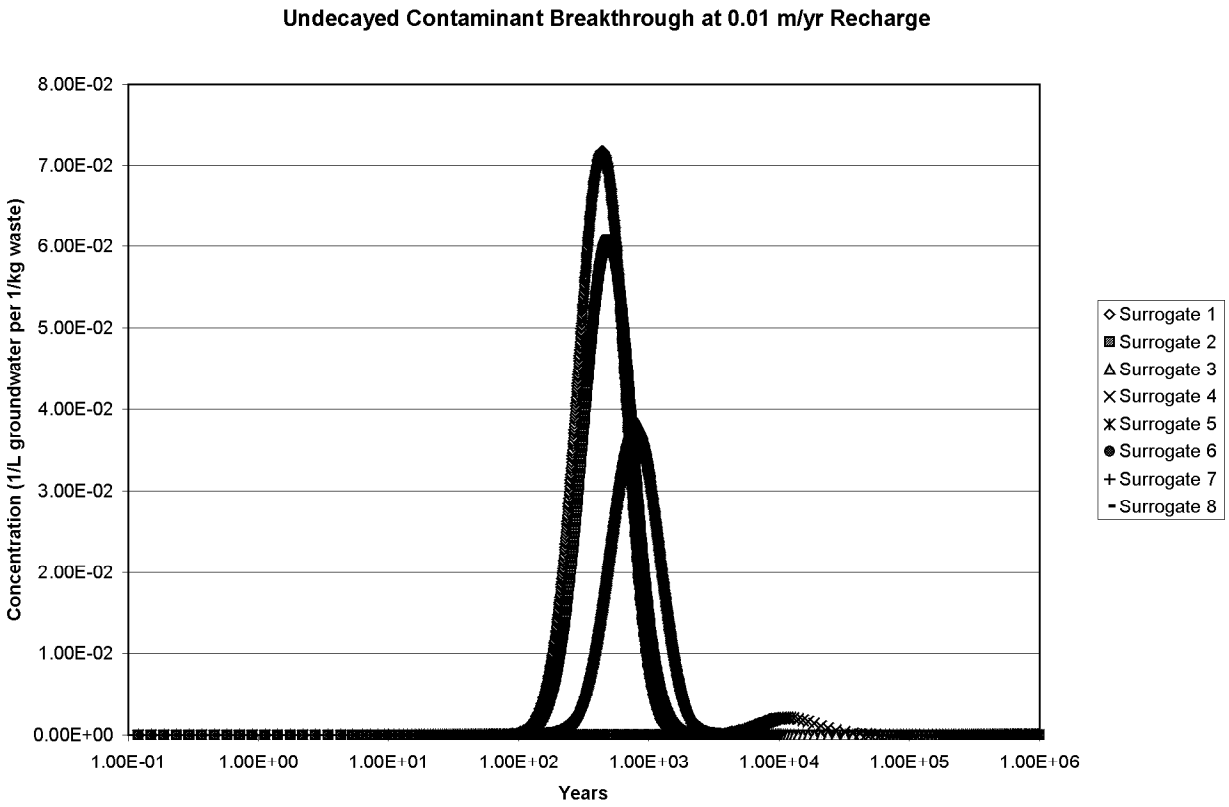
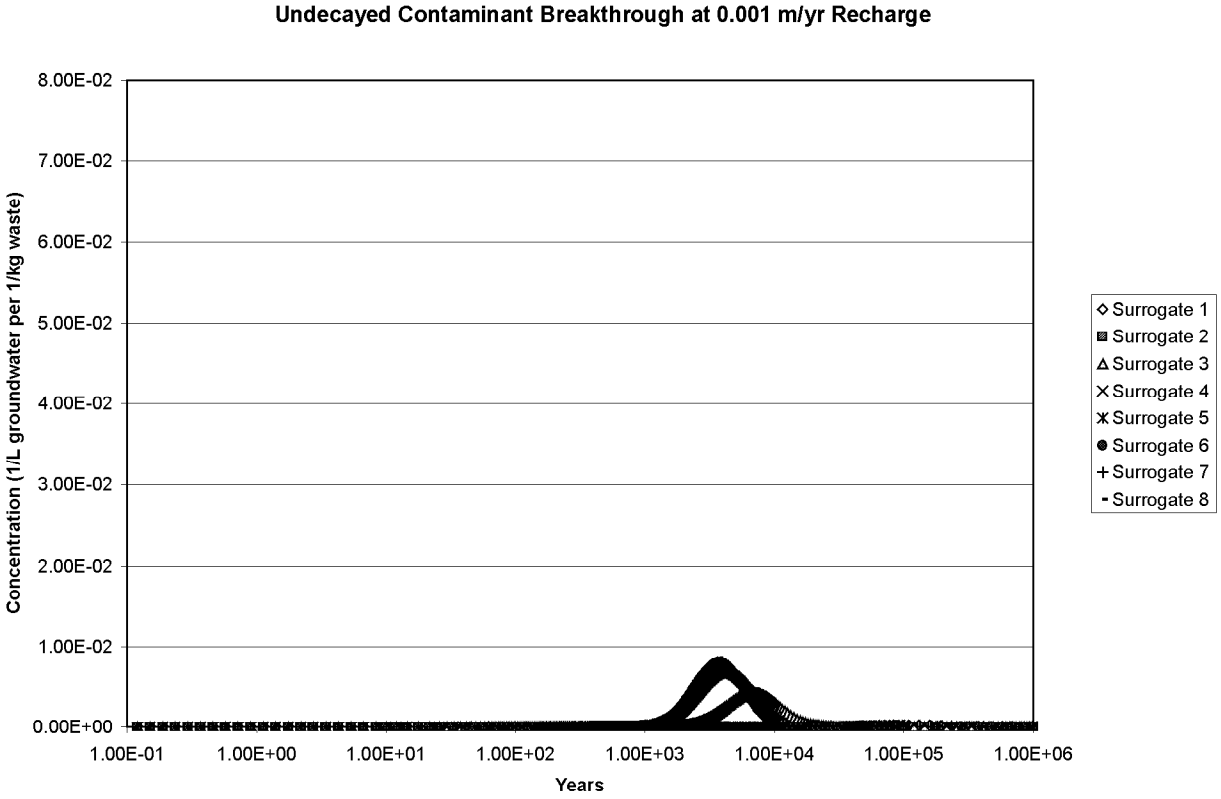
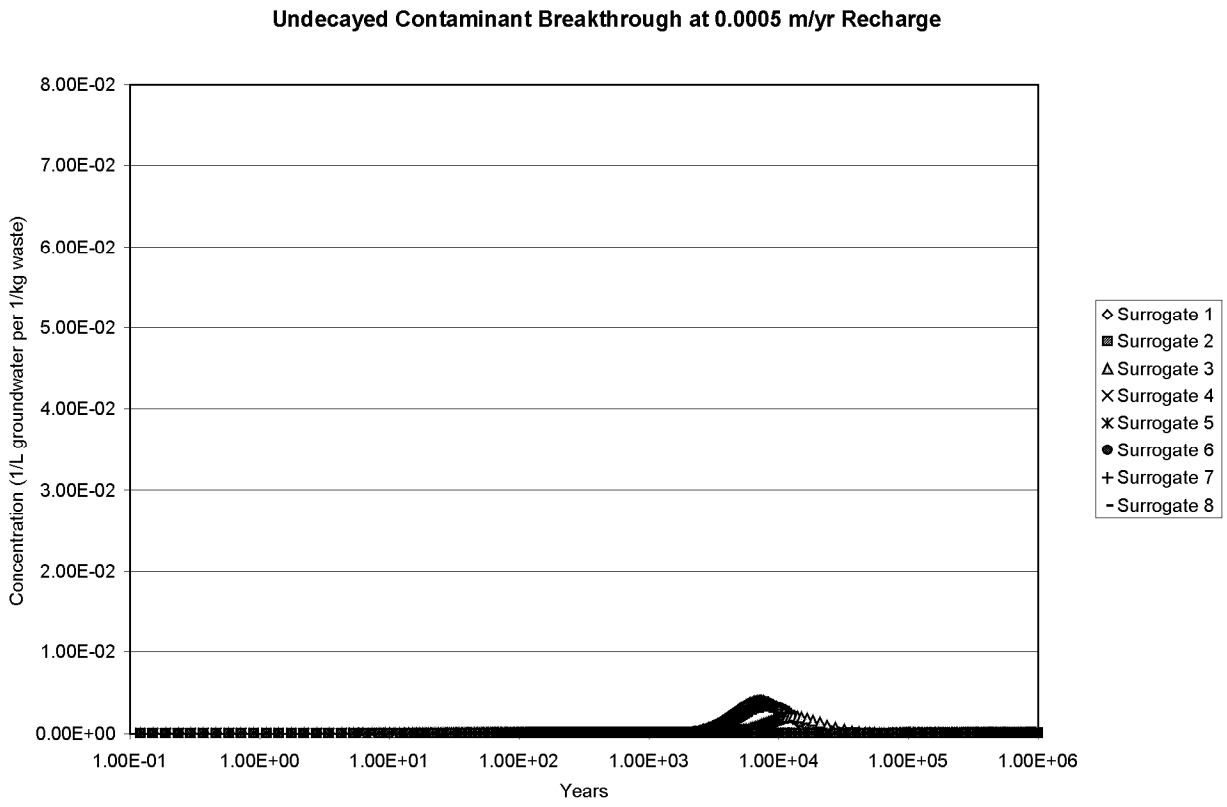
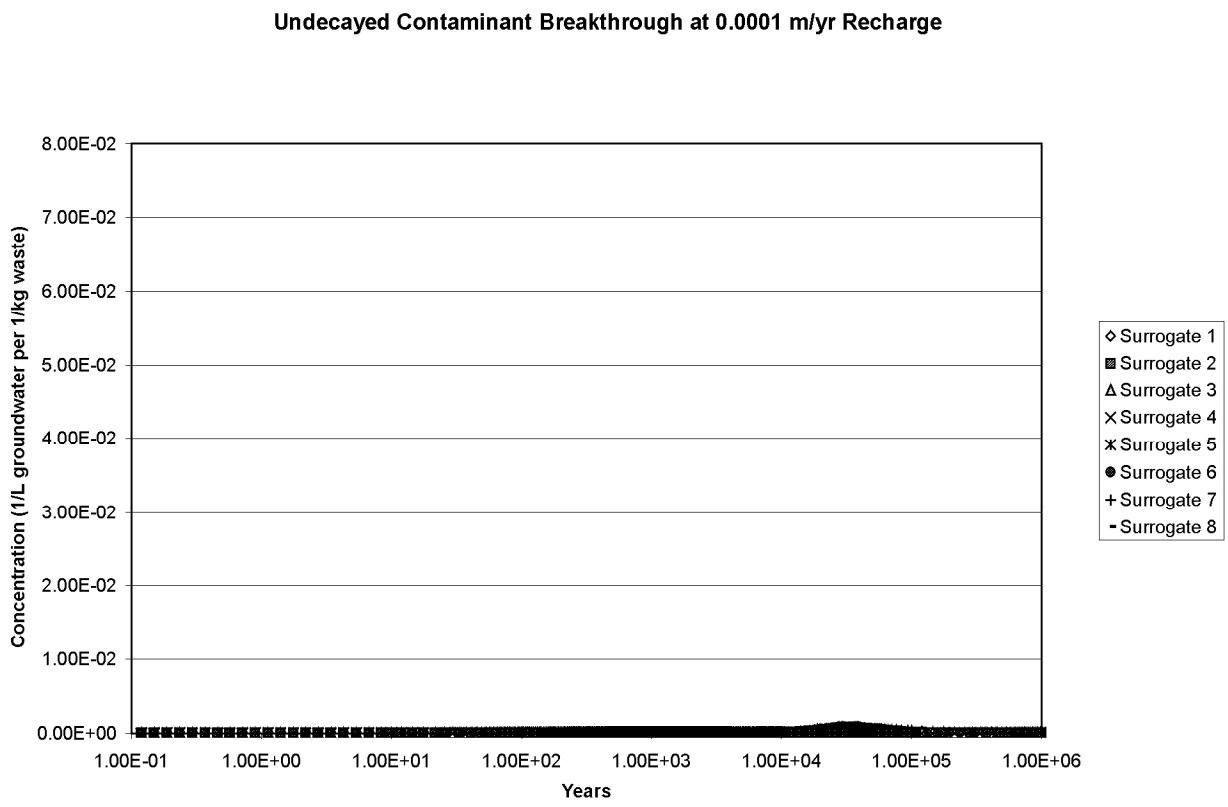
Appendix A

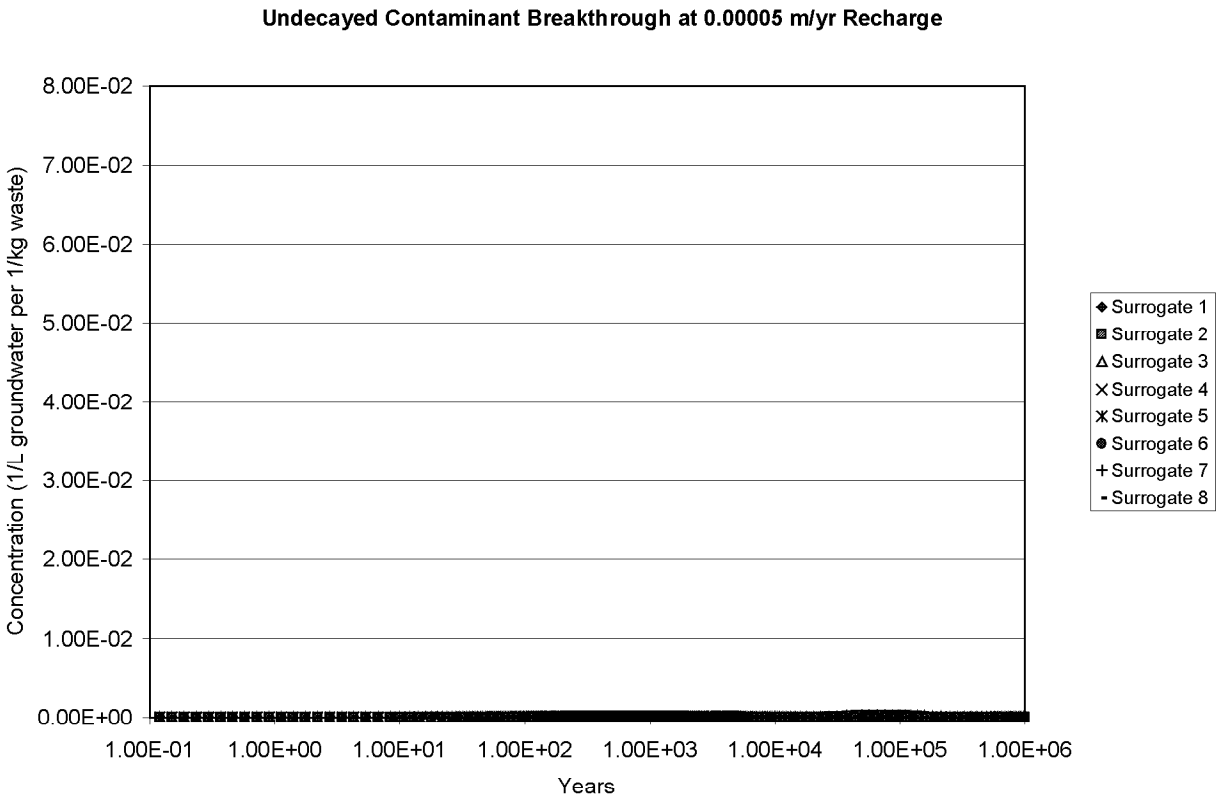
Tier 1 Simulation Contaminant Trend Plots


Undecayed Contaminant Breakthrough at 0.01 m/yr Recharge
Concentration (1/L groundwater per 1/kg waste)
8.00E-02
7.00E-02
6.00E-02
5.00E-02
4.00E-02
3.00E-02
2.00E-02
1.00E-02
0.00E+00
1.00E-01
1.00E+00
1.00E+01
1.00E+02
1.00E+03
1.00E+04
1.00E+05
1.00E+06
Years
Surrogate 1
Surrogate 2
Surrogate 3
Surrogate 4
Surrogate 5
Surrogate 6
Surrogate 7
Surrogate 8


Undecayed Contaminant Breakthrough at 0.001 m/yr Recharge
Concentration (1/L groundwater per 1/kg waste)
8.00E-02
7.00E-02
6.00E-02
5.00E-02
4.00E-02
3.00E-02
2.00E-02
1.00E-02
0.00E+00
1.00E-01
1.00E+00
1.00E+01
1.00E+02
1.00E+03
1.00E+04
1.00E+05
1.00E+06
Years
Surrogate 1
Surrogate 2
Surrogate 3
Surrogate 4
Surrogate 5
Surrogate 6
Surrogate 7
Surrogate 8


Undecayed Contaminant Breakthrough at 0.0005 m/yr Recharge
8.00E-02
7.00E-02
6.00E-02
5.00E-02
4.00E-02
3.00E-02
2.00E-02
1.00E-02
0.00E+00
Concentration (1/L groundwater per 1/kg waste)
1.00E-01
1.00E+00
1.00E+01
1.00E+02
1.00E+03
1.00E+04
1.00E+05
1.00E+06
Years
Surrogate 1
Surrogate 2
Surrogate 3
Surrogate 4
Surrogate 5
Surrogate 6
Surrogate 7
Surrogate 8


Undecayed Contaminant Breakthrough at 0.0001 m/yr Recharge
8.00E-02
7.00E-02
6.00E-02
5.00E-02
4.00E-02
3.00E-02
2.00E-02
1.00E-02
0.00E+00
Concentration (1/L groundwater per 1/kg waste)
1.00E-01
1.00E+00
1.00E+01
1.00E+02
1.00E+03
1.00E+04
1.00E+05
1.00E+06
Years
Surrogate 1
Surrogate 2
Surrogate 3
Surrogate 4
Surrogate 5
Surrogate 6
Surrogate 7
Surrogate 8


Undecayed Contaminant Breakthrough at 0.00005 m/yr Recharge
Concentration (1/L groundwater per 1/kg waste)
8.00E-02
7.00E-02
6.00E-02
5.00E-02
4.00E-02
3.00E-02
2.00E-02
1.00E-02
0.00E+00
1.00E-01
1.00E+00
1.00E+01
1.00E+02
1.00E+03
1.00E+04
1.00E+05
1.00E+06
Years
Surrogate 1
Surrogate 2
Surrogate 3
Surrogate 4
Surrogate 5
Surrogate 6
Surrogate 7
Surrogate 8