

**Table 1-1  
Ellsworth Industrial Park Property Information  
Preliminary Planning Report  
Ellsworth Industrial Park  
Downers Grove, Illinois**

<b>PROPERTY ADDRESS</b>	<b>PIN</b>	<b>CURRENT OWNER NAME</b>	<b>CURRENT TENANTS OR OCCUPANTS</b>	<b>PREVIOUS OWNER(S), TENANTS, OR OCCUPANTS</b>
5240 Belmont Rd	0812407011	Arrow Bldg Corp	K&C	Arrow Building Corp.
5280 Belmont Rd	0812407010	Coman & Anderson	Econotemp	Molex Inc
5300 Belmont Rd	0812409005	Magnetrol Intl Inc	Magnetrol Inc	
5300 Belmont Rd	0812409004	Magnetrol Inc	Magnetrol Inc	
5300 Belmont Rd	0812409006	Magnetrol Intl Inc	Magnetrol Inc	
801 Burlington Ave	0812214008	Village Of Downers Grove		
801 Burlington Ave	0812302015	Village Of Downers Grove		
5040 Chase Ave	0812417001	Landgrebe, Carl		
5103 Chase Ave	0812401002	Chase-Belmont Properties		Hahn Graphics
2301 Curtiss	0812302018	Arrow Building Corp	Arrow Building Corp.	
2301 Curtiss	0812302019	Spruce Building Llc	Ccsi	
2324 Curtiss Ave	0812417003	Rexnord Corporation	Rexnord Corporation	
2400 Curtiss Ave	0812113022	Rexnord Corporation	Rexnord Corporation	
1027 Curtiss St	0812407012	Downers Gr Natl Bk 7982		
2170 Curtiss St	0812113015	Downers Grove San Dist		
2201 Curtiss St	0812404002	Reinert, John E		
2301 Curtiss St	0812407013	Arrow Building Corp	Arrow Building Corp.	
2500 Curtiss St	0812300009	Mlrp 2500 Curtiss St	Dyna Gear	Global Gear
2525 Curtiss St	0812302007	Scot, Incorporated	Scot, Incorporated	
2537 Curtiss St	0812302006	Hi Star Holdings Llc		Ames Supply, Whitelake Building Corp.
2537 Curtiss St	0812302002	Molex Inc	Molex Inc	
2710 Curtiss St	0812113006	Downers Grove San Dist	Downers Grove San Dist	
2710 Curtiss St	0812113010	Downers Grove San Dist	Downers Grove San Dist	
2710 Curtiss St	0812113017	Downers Grove San Dist	Downers Grove San Dist	
2710 Curtiss St	0812112004	Downers Grove San Dist	Downers Grove San Dist	
2710 Curtiss St	0812300008	Downers Grove San Dist	Downers Grove San Dist Offices	
2711 Curtiss St	0812301004	Curtiss Street Ltd Ptnrs		
502 Hitchcock	0811210018	Fromelius, Lawrence D		
414 Hitchcock Ave	0811210012	Ill St Hwy Auth		
414 Hitchcock Ave	0811210013	Lopata, Ned		
2800 Hitchcock Ave	0811210011	2800 Hitchcock Ptn	Molex Inc	
2811 Hitchcock Ave	0811408004	Off The Wall Properties		
2820 Hitchcock Ave	0811210015	Herlin, Gregg R		
2821 Hitchcock Ave	0811408003	Hinsbrook Bk & Tr		
2824 Hitchcock Ave	0811210006	Bales Mold Service	Bales Mold Service	
2830 Hitchcock Ave	0811210005	Bales, Steve		
2831 Hitchcock Ave	0811408012	Hinsbrook Bk & Tr		
5400 Janes Ave	0812304008	Helwig Jr, William F		Tricon Industries, Inc.
5235 Katrine	0812302003	Village Of Downers Grove	Public Well #10	
5200 Katrine Ave	0812301009	Katrine Limited Ptnrs	Lindy	
5200 Katrine Ave	0812301010	Katrine Limited Ptnrs	Lindy	
5235 Katrine Ave	0812302004	La Salle B7800713438		
5300 Katrine Ave	0812301022	Vaughans Seed Co		

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5110 Main St	0812401005	La Salle B7900239830		
5110 Main St (5000-514, 5016-5026 Chase)	0812214001	La Salle B7900239830	Tricon Industries, Inc.	
5110 Main St(5001-5011, 5015-5025 Chase)	0812214006	La Salle B7900239830		
2736 Maple Ave	0813100002	Cameo Square Llc	Maple Plaze Cleaners	
2250 S Curtiss St	0812401003	Precision Brand Products	Precision Brand Products	
5101 Thatcher Ave	0811408011	Neuco		
5220 Thatcher Dr	0811407036	Nbd Trust Co Of Illinois		
2820 Thatcher Rd	0811408021	Heuft, Bernhard		
5100 Thatcher Rd	0811407039	American National Bk & Tr		
5120 Thatcher Rd	0811407033	Lehman, John		
5121 Thatcher Rd	0811408020	Hines, C L & B T		
5159 Thatcher Rd	0811408015	Heuft, Bernhard		
5201 Thatcher Rd	0811408019	Arun Enterprises		
5240 Thatcher Rd	0811407037	Crosave Auto Supply		
900 W 61St St (5411 Walnut)	0812305012	Beaton, George		
900 W 61St St (5411 Walnut)	0812305008	Beaton, George		
5413 Walnut	0812305011	Capek, Richard C, Et Al		
5006 Walnut Ave	0811210010	Downers Grove Sanitary		
5007 Walnut Ave	0812112002	Downers Grove Sanitary		
5015 Walnut Ave	0812112003	Downers Grove Sanitary		
5100 Walnut Ave	0811408005	Koszewski, Maria R		
5101 Walnut Ave	0812300001	Panicali, Julie A	Downers Grove Public Works	
5103 Walnut Ave	0812300002	Panicali, Julie A	Downers Grove Public Works	
5104 Walnut Ave	0811408006	Ponstein, William L & R J		
5105 Walnut Ave	0812300003	Panicali, Julie A	Downers Grove Public Works	
5106 Walnut Ave	0811408007	Envirotest Illinois Inc		
5201 Walnut Ave	0812301014	Copia Properties Inc		
5207 Walnut Ave	0812301003	Harris Bk Hinsdale		
5224 Walnut Ave	0811408009	Community Asphalt Paving		
5230 Walnut Ave	0811408022	Mac Neil, David		
5413 Walnut Ave	0812305013	Capek, Richard C, Et Al		
5501 Walnut Ave	0813100001	Glassford, Richard		
5355 Walnut St	0812303002	Vlcek, Michael J		
2222 Wellington Ct (5224 Katrine)	0812301011	Molex Inc	Molex Inc	
2222 Wellington Ct (5225 Walnut)	0812301019	Molex Inc	Molex Inc	
2300 Wisconsin Ave	0812407006	D & B Investment Llc		Jl Clark/Atlas Tube/Mxl
2325 Wisconsin Ave	0812409003	Tricon Industries, Inc.		
2333 Wisconsin Ave	0812409007	Suburban Moving & Storage	Suburban Moving & Storage	Litton/Magnetek/Liberty Copper & Wire
2400 Wisconsin Ave	0812302014	2400 Wisconsin Ave Llc	Burnside Construction	Suburban Self Storage
2424 Wisconsin Ave	0812302013	Wisconsin Ave Property	Flowserv	Bison Gear & Engineering Corp.
2435 Wisconsin Ave	0812304006	Mac Neil R E Holdings Llc		
2451 Wisconsin Ave	0812304005	Schuenthaler, Edward P		

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<b>PROPERTY ADDRESS</b>	<b>PIN</b>	<b>CURRENT OWNER NAME</b>	<b>CURRENT TENANTS OR OCCUPANTS</b>	<b>PREVIOUS OWNER(S), TENANTS, OR OCCUPANTS</b>
2464 Wisconsin Ave	0812302012	Park Investors Venture I		Seatt/Silk Screener
2514-2518 Wisconsin Ave	0812302011	Park Investors Venture I	Cvp Systems	
2525 Wisconsin Ave	0812304004	Flexible Steel Lacing	Flexible Steel Lacing Co. (Flexco)	
2525 Wisconsin Ave	0812304002	Flexible Steel Lacing Co	Flexible Steel Lacing Co. (Flexco)	
2525 Wisconsin Ave	0812304003	Flexible Steel Lacing Co	Flexible Steel Lacing Co. (Flexco)	
2538 Wisconsin Ave	0812302010	Illinois Tool Works Inc	Norwood	
2550 Wisconsin Ave	0812302016	Midwest Bk & Tr		
2655 Wisconsin Ave	0812304001	A A O Real Estate Llc	Lovejoy, Inc	
2659 Wisconsin Ave	0812303008	Johnson, Ross A & B R	Hahn Graphics	Morey Corp.
2701 Wisconsin Ave	0812303004	Cynowa, Robert A		
2701 Wisconsin Ave	0812303006	Cynowa, Robert A		
2732 Wisconsin Ave	0812301007	Spannagel Tool & Die Co	Spannagel Tool & Die Co	
2748 Wisconsin Ave	0812301006	Khatou Holdings Llc		
2700 Wisconsin Ave	0812301021	Weigand, George & Margaret		
Cnb D G Tr 2620 (5126 Walnut)	0811408008	Joe Madden Tr 2620	Auto Nation	
D G Walnut Bldg Acct	0812303003	D G Walnut Bldg		
Downers Grove National Bk	0812302001	Downers Grove National Bk	Fusibond	
Downers Grove San	0811207011	Downers Grove San	Downers Grove San Dist	
Downers Grove San	0811207012	Downers Grove San	Downers Grove San Dist	
Downers Grove San	0811208007	Downers Grove San	Downers Grove San Dist	
Downers Grove San	0812113020	Downers Grove San	Downers Grove San Dist	
Downers Grove San Dist	0811207014	Downers Grove San Dist	Downers Grove San Dist	
Downers Grove San Dist	0811207015	Downers Grove San Dist	Downers Grove San Dist	
Downers Grove San Dist	0811210016	Downers Grove San Dist	Downers Grove San Dist	
Elwood Industrial Dev Co	0812404001	Elwood Industrial Dev Co		
Illinois St Toll Hwy Auth	0811210017	Illinois St Toll Hwy Auth		
La Grange State Bk 467	0812304007	Sw Anderson Co		
Little Friends Inc	0812407005	Little Friends Inc		
Schumacher, George J	0812300007	Blondin, Daniel P	Downers Grove Public Works	
Thatcher Rd	0811407042	Arun Enterprises		

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 Shaded denotes previously sampled by IEPA, U.S.EPA within property boundary

**Table 2-1  
Bedrock Surface Elevations  
Preliminary Planning Report  
Ellsworth Industrial Park  
Downers Grove, Illinois**

<b>Location Name</b>	<b>X Coordinate</b>	<b>Y Coordinate</b>	<b>Elevation of Bedrock (ft MSL)</b>
BD_11d	1061758.53500	1868670.57700	624.090000
BD_08d	1063680.13500	1867216.34400	625.340000
MW_1602D	1060322.46800	1868135.86100	626.647000
BD_13	1062535.10800	1866622.26200	627.970000
BD_12d	1062495.52300	1867074.30600	629.660000
BD_18d	1063504.07800	1866093.02900	632.140000
BD_06d	1064058.58200	1867585.12900	634.320000
MW_1601D	1060538.87200	1867218.76800	634.561000
MW_1601S	1060538.87200	1867218.76800	634.561000
BD_07d	1064582.36000	1867248.16900	634.990000
BD_16d	1064724.91800	1866344.67200	635.660000
OV_02i	1063844.98600	1866735.61700	636.320000
SB_06	1063930.30100	1867195.21000	636.604000
BD_09d	1062868.95200	1868476.51400	637.570000
BD_02d	1063078.44100	1867732.50800	637.880000
BD_01d	1063447.45200	1867763.92600	638.570000
BD_17d	1064233.55200	1866299.82800	638.650000
BD_04d	1061776.00200	1867322.90900	639.280000
BD_05d	1064276.03700	1867132.34300	639.510000
SB_03d	1063555.96800	1866834.99900	639.570000
SB_03i	1063555.96800	1866834.99900	639.680000
BD_10d	1063810.88400	1868368.83400	642.660000
MW_1600D	1060113.04100	1866274.37900	646.361000
MW_1600S	1060113.04100	1866274.37900	646.361000
SB_09	1064337.10200	1867514.19900	647.950000
BD_14d	1062862.91300	1866729.36400	649.770000
cpt67	1060871.48500	1868853.80500	621.400000
IEPA_CP39	1064849.39000	1865839.03900	638.000000
SB_08	1064422.98800	1867236.07300	645.300000
6130 Belmont	1065120.61835	1860134.13629	630.000000
5516 Belmont	1064877.92874	1865108.38156	632.000000
4901 Granville	1061713.89574	1869130.11175	611.000000
6100 Belmont Rd.	1065079.68952	1861087.61527	635.000000

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**Table 2-1  
Bedrock Surface Elevations  
Preliminary Planning Report  
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Downers Grove, Illinois**

<b>Location Name</b>	<b>X Coordinate</b>	<b>Y Coordinate</b>	<b>Elevation of Bedrock (ft MSL)</b>
2607 Maple Ave.	1061653.34683	1864343.94748	647.000000
1939 Elmore Ave.	1065938.21492	1865984.77809	636.000000
5528 Belmont Rd.	1064882.85314	1865024.58761	660.000000
6140 Belmont Rd.	1065121.79487	1860109.36154	630.000000
6060 Pershing Ave.	1065723.64747	1861415.24734	641.000000
5600 Katrine Ave.	1061649.23429	1864350.49301	655.000000
5609 Walnut Ave.	1061060.99501	1864422.16658	645.000000
6108 Janes Ave.	1063747.49393	1861087.07104	619.000000
2141 Maple Ave.	1065536.75037	1864342.51121	630.000000
2425 Maple Ave.	1062912.65807	1864145.89884	637.000000
5703 Elinor Ave.	1063087.28848	1863310.19950	622.000000
5705 S. Lee Ave.	1067663.77320	1863958.98444	637.000000
6124 Middaugh Ave.	1070822.38610	1861132.15611	610.000000
5601 Woodward Ave.	1066364.00579	1864012.33617	627.000000
5805 Chase Ave.	1064426.97462	1862917.55091	621.000000
5714 Chase	1064330.72867	1863307.12442	652.000000
5601 Katrine	1061729.38696	1864359.50317	642.000000
6101 Woodward	1066484.93994	1861179.58980	630.000000

Note:

X and Y coordinates are listed in IL State Plane, NAD 83, Feet.

**Table 2-2**  
**Water Level Data**  
**Preliminary Planning Report**  
**Ellsworth Industrial Park**  
**Downers Grove, Illinois**

<b>Location ID</b>	<b>X Coordinate</b>	<b>Y Coordinate</b>	<b>Groundwater Classification (Intermediate or Bedrock)</b>	<b>Water Level - September 2003 (ft MSL)</b>	<b>Water Level - July 2004 (ft MSL)</b>	<b>Water Level - October 2004 (ft MSL)</b>
BD-01I	1063447.452	1867763.926	Intermediate	671.44	671.33	--
BD-02I	1063078.441	1867733.508	Intermediate	--	668.03	--
BD-03I	1063007.386	1867421.861	Intermediate	--	--	--
BD-04I	1061775.256	1867330.076	Intermediate	658.64	659.1	658.13
BD-05I	1064276.037	1867132.343	Intermediate	656.53	658.96	656.9
BD-06I	1064058.582	1867585.129	Intermediate	649.9	651.43	650.57
BD-07I	1064582.36	1867248.169	Intermediate	657.06	658.69	657.43
BD-08I	1063680.135	1867216.344	Intermediate	650.67	652.07	651.15
BD-09I	1062868.952	1868476.514	Intermediate	--	--	669.89
BD-14I	1062862.913	1866729.364	Intermediate	651	654.31	651.93
BD-15I	1063473.129	1866949.939	Intermediate	--	650.6	--
LD-01I	1061726.066	1867062.955	Intermediate	--	650.77	649.81
MW-01(S)	1062422.936	1866718.336	Shallow	--	677.88	--
MW-02(S)	1062530.722	1866602.467	Shallow	--	695.1	--
MW-03(S)	1062396.288	1866948.984	Shallow	--	682	--
MW-04(S)	1062524.229	1867067.359	Shallow	--	667.44	--
MW-05(S)	1062658.998	1867049.677	Shallow	--	--	--
MW-06(S)	1062644.192	1866696.069	Shallow	--	687.15	--
MW-07(S)	1062422.936	1866958.665	Shallow	--	--	--
MW-08(S)	1062394.706	1867004.995	Shallow	--	689.68	--
MW-09(S)	1062404.449	1866870.497	Shallow	--	--	--
MW-10(S)	1062428.624	1866775.218	Shallow	--	--	--
OV-01I	1062966.705	1868024.459	Intermediate	--	654.96	--
OV-02I	1063844.986	1866735.617	Intermediate	--	652.97	--
OV-03I	1063520.266	1867101.325	Intermediate	--	651.49	--
OV-04I	1063333.488	1867389.127	Intermediate	--	650.98	--
OV-05I	1063678.888	1867629.53	Intermediate	--	652.35	--
OV-06I	1062830.961	1867075.952	Intermediate	--	652.55	650.35
OV-07I	1064061.937	1867215.297	Intermediate	--	651.25	--
OV-08I	1064162.269	1867377.273	Intermediate	--	656.37	--
OV-09I	1063294.143	1867757.515	Intermediate	--	668.86	--
SB-03I	1063555.968	1866834.999	Intermediate	--	651.05	--

**Table 2-2  
Water Level Data  
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Downers Grove, Illinois**

<b>Location ID</b>	<b>X Coordinate</b>	<b>Y Coordinate</b>	<b>Groundwater Classification (Intermediate or Bedrock)</b>	<b>Water Level - September 2003 (ft MSL)</b>	<b>Water Level - July 2004 (ft MSL)</b>	<b>Water Level - October 2004 (ft MSL)</b>
SB-11I	1062409.152	1866921.249	Intermediate	--	658.49	--
SB-15I	1062523.099	1868059.138	Intermediate	--	--	667.75
SB-17I	1064532.203	1866636.981	Intermediate	657.11	658.4	631.87
BD-01D	1063447.452	1867763.926	Bedrock	649.63	650.84	--
BD-02D	1063078.441	1867732.508	Bedrock	--	650.69	--
BD-04D	1061776.002	1867322.909	Bedrock	649.35	650.96	649.88
BD-05D	1064276.037	1867132.343	Bedrock	649.93	652.11	650.64
BD-06D	1064058.582	1867585.129	Bedrock	649.68	651.16	650.34
BD-07D	1064582.360	1867248.169	Bedrock	649.27	650.64	650.22
BD-08D	1063680.135	1867216.344	Bedrock	649.78	651.3	650.43
BD-09D	1062868.952	1868476.514	Bedrock	651.21	652.54	651.94
BD-10D	1063810.884	1868368.834	Bedrock	651.09	652.72	651.88
BD-11D	1061758.535	1868670.577	Bedrock	--	--	--
BD-12D	1062495.523	1867074.306	Bedrock	649.1	648.34	649.7
BD-13D	1062535.108	1866622.262	Bedrock	648.9	650.8	649.62
BD-14D	1062862.913	1866729.364	Bedrock	650.89	652.5	651.63
BD-16D	1064724.918	1866344.672	Bedrock	648.46	650.06	649.21
BD-17D	1064233.552	1866299.828	Bedrock	--	650.95	--
BD-18D	1063504.078	1866093.029	Bedrock	643.05	650.9	649.59
IW-1	1063262.897	1868222.014	Bedrock	--	--	--
MW-1600D	1060075.687	1866265.553	Bedrock	--	--	--
MW-1601D	1060456.958	1867244.348	Bedrock	--	--	--
MW-1602D	1060306.237	1868154.287	Bedrock	--	--	--
PW-10	1062432.510	1866534.350	Bedrock	--	--	--
SB-03D	1063555.968	1866834.999	Bedrock	--	650.19	--

Notes:

-- indicates that a water level was not available at the time of sampling due to a possible variety of factors, such as the well had been abandoned, inability to locate the well, the well was dry, previous water levels were collected from a Geoprobe boring, etc.

X and Y coordinates are listed in IL State Plane, NAD 83, Feet.

**Table 2-3**  
**Chemical Properties of Chlorinated Solvents**  
**Preliminary Planning Report**  
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**Downers Grove, Illinois**

<b>Chemical Name</b>	<b>Chemical Formula</b>	<b>Density (g/cm<sup>3</sup>)</b>	<b>Water Solubility (mg/L)</b>	<b>Vapor Pressure (mm/Hg)</b>	<b>Henry's Law Constant (atm-m<sup>3</sup>/mo l)</b>	<b>Koc (mL/g)</b>
Tetrachloroethene (PCE)	C <sub>2</sub> Cl <sub>4</sub>	1.63	150	17.8	0.0259	364
Trichloroethene (TCE)	C <sub>2</sub> HCl <sub>3</sub>	1.46	1100	57.9	0.0091	126
1,1,1-Trichloroethane (1,1,1-TCA)	CH <sub>3</sub> CCl <sub>3</sub>	1.35	1500	123	0.0144	152
1,1-Dichloroethane (1,1-DCA)	C <sub>2</sub> H <sub>4</sub> Cl <sub>2</sub>	1.18	5500	182	0.00431	30
1,2-Dichloroethane (1,2-DCA)	C <sub>2</sub> H <sub>4</sub> Cl <sub>2</sub>	1.48	8520	85.3	0.00097	14
1,1-Dichloroethene (1,1-DCE)	C <sub>2</sub> H <sub>2</sub> Cl <sub>2</sub>	1.22	2250	600	0.034	65
1,2-Dichloroethene (cis 1,2-DCE)	C <sub>2</sub> H <sub>2</sub> Cl <sub>2</sub>	1.28	3500	208	0.00758	49
1,2-Dichloroethene (trans 1,2-DCE)	C <sub>2</sub> H <sub>2</sub> Cl <sub>2</sub>	1.26	6300	324	0.00656	59
Carbon Tetrachloride (PCM)	CCl <sub>4</sub>	1.59	757	90	0.0241	110
Vinyl Chloride (VC)	C <sub>2</sub> H <sub>3</sub> Cl	0.91	2670	2660	0.0819	57



**Table 2-4  
Summary of Soil Samples  
Preliminary Planning Report  
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<b>Location ID</b>	<b>Sample ID</b>	<b>Sample Date</b>	<b>Upper Depth of Soil Sample</b>	<b>Lower Depth of Soil Sample</b>	<b>Depth Unit</b>
BD-1	BD-01d (18-20)	29-May-02	18	20	FT
BD-1	BD-01d (33-35)	29-May-02	33	35	FT
BD-2	BD-2 (5-7.5)	20-May-02	5	7.5	FT
BD-2	BD-2 (17.5-20)	17-May-02	17.5	20	FT
BD-2	BD-2 (27.5-30)	20-May-02	27.5	30	FT
BD-2	BD-2 (32.5-35)	17-May-02	32.5	35	FT
BD-3	BD-3 (8-10)	9-May-02	8	10	FT
BD-3	BD-3 (28-30)	9-May-02	28	30	FT
BD-3	BD-3 (28-30)RA1	9-May-02	28	30	FT
BD-4	BD-4 (15-17.5)	31-May-02	15	17.5	FT
BD-4	BD-4 (37.5-40)	31-May-02	37.5	40	FT
BD-5	BD-5 (16-18)	9-May-02	16	18	FT
BD-5	BD-5 (36-38)	9-May-02	36	38	FT
BD-5	BD-5 (36-38)RA1	9-May-02	36	38	FT
BD-6	BD-6 (17.5-20)	22-May-02	17.5	20	FT
BD-6	BD-6 (35-37.5)	22-May-02	35	37.5	FT
BD-7	BD-7 (20-22.5)	15-May-02	20	22.5	FT
BD-7	BD-7 (37.5-40)	15-May-02	37.5	40	FT
BD-8	BD-8 (5-7.5)	21-May-02	5	7.5	FT
BD-8	BD-8 (30-32.5)	21-May-02	30	32.5	FT
BD-8	BD-8 (30-32.5)DUP	21-May-02	30	32.5	FT
BD-12	BD-12 (17.5-20)	28-May-02	17.5	20	FT
BD-12	BD-12 (35-37.5)	28-May-02	35	37.5	FT
BD-13	BD-13 (8-10)	2-May-02	8	10	FT
BD-13	BD-13 (8-10)RA1	2-May-02	8	10	FT
BD-13	BD-13 (32-34)	2-May-02	32	34	FT
BD-13	BD-13 (32-34)RA1	2-May-02	32	34	FT
BD-13	BD-13 (68-71)	14-May-02	68	71	FT
BD-14	BD-14 (8-10)	25-Apr-02	8	10	FT
BD-14	BD-14 (26-28)	25-Apr-02	26	28	FT
BD-15	BO-15 (12-14)	6-May-02	12	14	FT
BD-15	BO-15 (18-20)	6-May-02	18	20	FT
BD-15	BO-15 (18-20)RA1	6-May-02	18	20	FT
BD-16	BD-16 (2-2.5)	12-Jun-02	2	2.5	FT
BD-17	BD-17 (32.5-35)	11-Jun-02	32.5	35	FT

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**Table 2-4**  
**Summary of Soil Samples**  
**Preliminary Planning Report**  
**Ellsworth Industrial Park**  
**Downers Grove, Illinois**

<b>Location ID</b>	<b>Sample ID</b>	<b>Sample Date</b>	<b>Upper Depth of Soil Sample</b>	<b>Lower Depth of Soil Sample</b>	<b>Depth Unit</b>
BD-18	BD-18 (47.5-50)	13-Jun-02	47.5	50	FT
BD-18	BD-18 (47.5-50)DUP	13-Jun-02	47.5	50	FT
EIP-GP54	EIP-GP54-01	26-Jan-04	3.5	4.5	FT
EIP-GP54	EIP-GP54-02	26-Jan-04	12.5	13.5	FT
EIP-GP54	EIP-GP54-03	26-Jan-04	25.5	26.5	FT
EIP-GP55	EIP-GP55-01	27-Jan-04	14.5	15.5	FT
EIP-GP55	EIP-GP55-01DUP	27-Jan-04	14.5	15.5	FT
EIP-GP55	EIP-GP55-02	27-Jan-04	24.5	25.5	FT
EIP-GP56	EIP-GP56-01	27-Jan-04	3.5	4.5	FT
EIP-GP56	EIP-GP56-02	27-Jan-04	25.5	26.5	FT
EIP-GP57	EIP-GP57-01	27-Jan-04	4.5	5.5	FT
EIP-GP57	EIP-GP57-02	27-Jan-04	15.5	16.5	FT
EIP-GP58	EIP-GP58-01	26-Jan-04	1.5	2.5	FT
EIP-GP58	EIP-GP58-01DUP	26-Jan-04	1.5	2.5	FT
EIP-GP58	EIP-GP58-02	26-Jan-04	6.5	7.5	FT
EIP-GP58	EIP-GP58-03	26-Jan-04	16.5	17.5	FT
EIP-GP59	EIP-GP59-01	26-Jan-04	1.5	2.5	FT
EIP-GP59	EIP-GP59-02	26-Jan-04	5.5	6.5	FT
EIP-GP59	EIP-GP59-03	26-Jan-04	13.5	14.5	FT
EIP-GP60	EIP-GP60-01	27-Jan-04	3.5	4.5	FT
EIP-GP60	EIP-GP60-02	27-Jan-04	9.5	10.5	FT
EIP-GP60	EIP-GP60-03	27-Jan-04	15.5	16.5	FT
EIP-GP61	EIP-GP61-01	14-Jan-04	5.5	6.5	FT
EIP-GP61	EIP-GP61-02	14-Jan-04	9.5	10.5	FT
EIP-GP61	EIP-GP61-03	14-Jan-04	15.5	16.5	FT
EIP-GP62	EIP-GP62-01	22-Jan-04	3.5	4.5	FT
EIP-GP62	EIP-GP62-02	22-Jan-04	8.5	9.5	FT
EIP-GP62	EIP-GP62-03	22-Jan-04	21.5	22.5	FT
EIP-GP63	EIP-GP63-01	8-Jan-04	4.5	5.5	FT
EIP-GP63	EIP-GP63-02	8-Jan-04	8.5	9.5	FT
EIP-GP64	EIP-GP64-01	14-Jan-04	3.5	4.5	FT
EIP-GP64	EIP-GP64-02	14-Jan-04	19.5	20.5	FT
EIP-GP65	EIP-GP65-01	14-Jan-04	5.5	6.5	FT
EIP-GP65	EIP-GP65-02	14-Jan-04	9.5	10.5	FT

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**Table 2-4  
Summary of Soil Samples  
Preliminary Planning Report  
Ellsworth Industrial Park  
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<b>Location ID</b>	<b>Sample ID</b>	<b>Sample Date</b>	<b>Upper Depth of Soil Sample</b>	<b>Lower Depth of Soil Sample</b>	<b>Depth Unit</b>
EIP-GP66	EIP-GP66-01	8-Jan-04	1.5	2.5	FT
EIP-GP66	EIP-GP66-02	8-Jan-04	6.5	7.5	FT
EIP-GP66	EIP-GP66-02DUP	8-Jan-04	6.5	7.5	FT
EIP-GP66	EIP-GP66-03	8-Jan-04	10.5	11.5	FT
EIP-GP67	EIP-GP67-01	4-Dec-03	4.5	5.5	FT
EIP-GP67	EIP-GP67-02	4-Dec-03	14.5	15.5	FT
EIP-GP68	EIP-GP68-01	3-Dec-03	1.5	2.5	FT
EIP-GP68	EIP-GP68-02	3-Dec-03	25.5	26.5	FT
EIP-GP69	EIP-GP69-01	3-Dec-03	1.5	2.5	FT
EIP-GP69	EIP-GP69-02	3-Dec-03	25.5	26.5	FT
EIP-GP70	EIP-GP70-01	4-Dec-03	1.5	2.5	FT
EIP-GP70	EIP-GP70-01DUP	4-Dec-03	1.5	2.5	FT
EIP-GP70	EIP-GP70-02	4-Dec-03	13.5	14.5	FT
EIP-GP71	EIP-GP71-01	12-Dec-03	1.5	2.5	FT
EIP-GP71	EIP-GP71-02	12-Dec-03	15.5	16.5	FT
EIP-GP71	EIP-GP71-03	12-Dec-03	22	23	FT
EIP-GP72	EIP-GP72-01	3-Dec-03	3	4	FT
EIP-GP72	EIP-GP72-01DUP	3-Dec-03	3	4	FT
EIP-GP72	EIP-GP72-02	3-Dec-03	5	6	FT
EIP-GP72	EIP-GP72-03	3-Dec-03	27.5	28.5	FT
EIP-GP73	EIP-GP73-01	12-Dec-03	8.5	9.5	FT
EIP-GP73	EIP-GP73-02	12-Dec-03	15.5	16.5	FT
EIP-GP74	EIP-GP74-01	4-Dec-03	1.5	2.5	FT
EIP-GP74	EIP-GP74-02	4-Dec-03	21.5	22.5	FT
EIP-GP75	EIP-GP75-01	3-Dec-03	1.5	2.5	FT
EIP-GP75	EIP-GP75-02	3-Dec-03	25.5	26.5	FT
EIP-GP76	EIP-GP76-01	28-Apr-04	12.5	13.5	FT
EIP-GP76	EIP-GP76-02	28-Apr-04	15.5	16.5	FT
EIP-GP76	EIP-GP76-02DUP	28-Apr-04	15.5	16.5	FT
EIP-GP76	EIP-GP76-03	28-Apr-04	20.5	21.5	FT
EIP-GP77	EIP-GP77-01	27-Apr-04	6.5	7.5	FT
EIP-GP77	EIP-GP77-02	27-Apr-04	19.5	20.5	FT
EIP-GP78	EIP-GP78-01	28-Apr-04	5.5	6.5	FT
EIP-GP78	EIP-GP78-02	28-Apr-04	15.5	16.5	FT

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**Table 2-4  
Summary of Soil Samples  
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<b>Location ID</b>	<b>Sample ID</b>	<b>Sample Date</b>	<b>Upper Depth of Soil Sample</b>	<b>Lower Depth of Soil Sample</b>	<b>Depth Unit</b>
EIP-GP79	EIP-GP79-01	27-Apr-04	3.5	4.5	FT
EIP-GP79	EIP-GP79-02	27-Apr-04	26.5	27.5	FT
EIP-GP80	EIP-GP80-01	28-Apr-04	11.5	12.5	FT
EIP-GP80	EIP-GP80-02	28-Apr-04	19.5	20.5	FT
EIP-GP81	EIP-GP81-01	22-Dec-03	6.5	7.5	FT
EIP-GP81	EIP-GP81-02	22-Dec-03	11.5	12.5	FT
EIP-GP82	EIP-GP82-01	22-Dec-03	5.5	6.5	FT
EIP-GP82	EIP-GP82-02	22-Dec-03	9.5	10.5	FT
EIP-GP82	EIP-GP82-03	22-Dec-03	16.5	17.5	FT
EIP-GP83	EIP-GP83-01	22-Dec-03	5.5	6.5	FT
EIP-GP83	EIP-GP83-02	22-Dec-03	9.5	10.5	FT
EIP-GP83	EIP-GP83-03	22-Dec-03	13.5	14.5	FT
EIP-GP84	EIP-GP84-01	23-Dec-03	5.5	6.5	FT
EIP-GP84	EIP-GP84-02	23-Dec-03	15.5	16.5	FT
EIP-GP85	EIP-GP85-01	23-Dec-03	10.5	11.5	FT
EIP-GP85	EIP-GP85-02	23-Dec-03	20.5	21.5	FT
EIP-GP86	EIP-GP86-01	22-Dec-03	11.5	12.5	FT
EIP-GP86	EIP-GP86-02	22-Dec-03	21.5	22.5	FT
EIP-GP87	EIP-GP87-01	23-Dec-03	3.5	4.5	FT
EIP-GP87	EIP-GP87-02	23-Dec-03	23.5	24.5	FT
EIP-GP95	EIP-GP95-01	15-Jan-04	9.5	10.5	FT
EIP-GP95	EIP-GP95-02	15-Jan-04	13.5	14.5	FT
EIP-GP95	EIP-GP95-03	15-Jan-04	19.5	20.5	FT
EIP-GP96	EIP-GP96-01	15-Jan-04	8.5	9.5	FT
EIP-GP96	EIP-GP96-02	15-Jan-04	13.5	14.5	FT
EIP-GP97	EIP-GP97-01	15-Jan-04	5.5	6.5	FT
EIP-GP97	EIP-GP97-02	15-Jan-04	9.5	10.5	FT
EIP-GP97	EIP-GP97-03	15-Jan-04	13.5	14.5	FT
EIP-GP98	EIP-GP98-01	15-Jan-04	5.5	6.5	FT
EIP-GP98	EIP-GP98-02	15-Jan-04	11.5	12.5	FT
EIP-GP98	EIP-GP98-02DUP	15-Jan-04	11.5	12.5	FT
EIP-GP99	EIP-GP99-01	16-Jan-04	5.5	6.5	FT
EIP-GP99	EIP-GP99-02	16-Jan-04	13.5	14.5	FT
EIP-GP99	EIP-GP99-02DUP	16-Jan-04	13.5	14.5	FT
EIP-GP100	EIP-GP100-01	7-Apr-04	3.5	4.5	FT

**Table 2-4  
Summary of Soil Samples  
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<b>Location ID</b>	<b>Sample ID</b>	<b>Sample Date</b>	<b>Upper Depth of Soil Sample</b>	<b>Lower Depth of Soil Sample</b>	<b>Depth Unit</b>
EIP-GP100	EIP-GP100-02	7-Apr-04	17.5	18.5	FT
EIP-GP101	EIP-GP101-01	7-Apr-04	3.5	4.5	FT
EIP-GP101	EIP-GP101-02	7-Apr-04	15.5	16.5	FT
EIP-GP102	EIP-GP102-01	6-Apr-04	5.5	6.5	FT
EIP-GP102	EIP-GP102-02	6-Apr-04	15.5	16.5	FT
EIP-GP102	EIP-GP102-03	6-Apr-04	19.5	20.5	FT
EIP-GP103	EIP-GP103-01	7-Apr-04	5.5	6.5	FT
EIP-GP103	EIP-GP103-02	7-Apr-04	13.5	14.5	FT
EIP-GP103	EIP-GP103-03	7-Apr-04	18.5	19.5	FT
EIP-GP103	EIP-GP103-03DUP	7-Apr-04	18.5	19.5	FT
EIP-GP104	EIP-GP104-01	6-Apr-04	8.5	9.5	FT
EIP-GP104	EIP-GP104-02	6-Apr-04	27.5	28.5	FT
EIP-GP105	EIP-GP105-01	5-Apr-04	1.5	2.5	FT
EIP-GP105	EIP-GP105-02	5-Apr-04	14.5	15.5	FT
EIP-GP106	EIP-GP106-01	5-Apr-04	3.5	4.5	FT
EIP-GP106	EIP-GP106-02	5-Apr-04	9.5	10.5	FT
EIP-GP106	EIP-GP106-03	5-Apr-04	15.5	16.5	FT
EIP-GP107	EIP-GP107-01	5-Apr-04	9.5	10.5	FT
EIP-GP107	EIP-GP107-01DUP	5-Apr-04	9.5	10.5	FT
EIP-GP107	EIP-GP107-02	5-Apr-04	21.5	22.5	FT
EIP-GP108	EIP-GP108-01	5-Apr-04	3.5	4.5	FT
EIP-GP108	EIP-GP108-02	5-Apr-04	9.5	10.5	FT
EIP-GP108	EIP-GP108-03	5-Apr-04	20.5	21.5	FT
EIP-GP109	EIP-GP109-01	17-Dec-03	1.5	2.5	FT
EIP-GP109	EIP-GP109-02	17-Dec-03	9.5	10.5	FT
EIP-GP109	EIP-GP109-02DUP	17-Dec-03	9.5	10.5	FT
EIP-GP110	EIP-GP110-01	16-Jan-04	1.5	2.5	FT
EIP-GP110	EIP-GP110-02	16-Jan-04	19.5	20.5	FT
EIP-GP111	EIP-GP111-01	17-Dec-03	10.5	11.5	FT
EIP-GP111	EIP-GP111-02	17-Dec-03	23.5	24.5	FT
EIP-GP112	EIP-GP112-01	16-Jan-04	2.5	3.5	FT
EIP-GP112	EIP-GP112-02	16-Jan-04	9.5	10.5	FT
EIP-GP112	EIP-GP112-02DUP	16-Jan-04	9.5	10.5	FT
EIP-GP113	EIP-GP113-01	17-Dec-03	1.5	2.5	FT
EIP-GP113	EIP-GP113-02	17-Dec-03	17.5	18.5	FT

**Table 2-4  
Summary of Soil Samples  
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<b>Location ID</b>	<b>Sample ID</b>	<b>Sample Date</b>	<b>Upper Depth of Soil Sample</b>	<b>Lower Depth of Soil Sample</b>	<b>Depth Unit</b>
EIP-GP113	EIP-GP113-03	17-Dec-03	21.5	22.5	FT
EIP-GP114	EIP-GP114-01	15-Dec-03	9.5	10.5	FT
EIP-GP114	EIP-GP114-02	15-Dec-03	17.5	18.5	FT
EIP-GP114	EIP-GP114-03	15-Dec-03	30.5	31.5	FT
EIP-GP114	EIP-GP114-03DUP	15-Dec-03	30.5	31.5	FT
EIP-GP115	EIP-GP115-01	15-Dec-03	5.5	6.5	FT
EIP-GP115	EIP-GP115-02	15-Dec-03	17.5	18.5	FT
EIP-GP116	EIP-GP116-01	15-Dec-03	7.5	8.5	FT
EIP-GP116	EIP-GP116-02	15-Dec-03	17.5	18.5	FT
EIP-GP117	EIP-GP117-01	18-Dec-03	1.5	2.5	FT
EIP-GP117	EIP-GP117-02	18-Dec-03	15.5	16.5	FT
EIP-GP118	EIP-GP118-01	17-Dec-03	3.5	4.5	FT
EIP-GP118	EIP-GP118-02	17-Dec-03	11.5	12.5	FT
EIP-GP119	EIP-GP119-01	16-Dec-03	3	4	FT
EIP-GP119	EIP-GP119-02	16-Dec-03	15.5	16.5	FT
EIP-GP120	EIP-GP120-01	18-Dec-03	4.5	5.5	FT
EIP-GP120	EIP-GP120-02	18-Dec-03	17.5	18.5	FT
EIP-GP121	EIP-GP121-01	22-Dec-03	9.5	10.5	FT
EIP-GP121	EIP-GP121-01DUP	22-Dec-03	9.5	10.5	FT
EIP-GP121	EIP-GP121-02	22-Dec-03	19.5	20.5	FT
EIP-GP122	EIP-GP122-01	18-Dec-03	7.5	8.5	FT
EIP-GP122	EIP-GP122-02	18-Dec-03	13.5	14.5	FT
EIP-GP123	EIP-GP123-01	18-Dec-03	3.5	4.5	FT
EIP-GP123	EIP-GP123-02	18-Dec-03	11.5	12.5	FT
EIP-GP124	EIP-GP124-01	16-Dec-03	1.5	2.5	FT
EIP-GP124	EIP-GP124-02	16-Dec-03	6.5	7.5	FT
EIP-GP124	EIP-GP124-03	16-Dec-03	12.5	13.5	FT
EIP-GP125	EIP-GP125-01	16-Apr-04	6.5	7.5	FT
EIP-GP125	EIP-GP125-02	16-Apr-04	15.5	16.5	FT
EIP-GP125	EIP-GP125-03	16-Apr-04	23.5	24.5	FT
EIP-GP125	EIP-GP125-03DUP	16-Apr-04	23.5	24.5	FT
EIP-GP126	EIP-GP126-01	26-Apr-04	3.5	4.5	FT
EIP-GP126	EIP-GP126-02	26-Apr-04	10.5	11.5	FT
EIP-GP127	EIP-GP127-01	26-Apr-04	3.5	4.5	FT
EIP-GP127	EIP-GP127-02	26-Apr-04	17.5	18.5	FT

**Table 2-4  
Summary of Soil Samples  
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Downers Grove, Illinois**

<b>Location ID</b>	<b>Sample ID</b>	<b>Sample Date</b>	<b>Upper Depth of Soil Sample</b>	<b>Lower Depth of Soil Sample</b>	<b>Depth Unit</b>
EIP-GP128	EIP-GP128-01	26-Apr-04	8.5	9.5	FT
EIP-GP128	EIP-GP128-02	26-Apr-04	18.5	19.5	FT
EIP-GP129	EIP-GP129-01	27-Apr-04	2.5	3.5	FT
EIP-GP129	EIP-GP129-01DUP	27-Apr-04	2.5	3.5	FT
EIP-GP129	EIP-GP129-02	27-Apr-04	10.5	11.5	FT
EIP-GP129	EIP-GP129-03	27-Apr-04	23.5	24.5	FT
EIP-GP130	EIP-GP130-01	27-Apr-04	3.5	4.5	FT
EIP-GP130	EIP-GP130-02	27-Apr-04	11.5	12.5	FT
EIP-GP130	EIP-GP130-03	27-Apr-04	20.5	21.5	FT
EIP-GP131	EIP-GP131-01	1-Dec-03	7.8	8.5	FT
EIP-GP131	EIP-GP131-02	1-Dec-03	21.5	22.5	FT
EIP-GP132	EIP-GP132-01	1-Dec-03	13.5	14.5	FT
EIP-GP132	EIP-GP132-02	1-Dec-03	24	25	FT
EIP-GP133	EIP-GP133-01	2-Dec-03	1.5	2.5	FT
EIP-GP133	EIP-GP133-02	2-Dec-03	16.5	17.5	FT
EIP-GP134	EIP-GP134-01	6-Apr-04	1.5	2.5	FT
EIP-GP134	EIP-GP134-02	6-Apr-04	17.5	18.5	FT
EIP-GP135	EIP-GP135-01	12-Jan-04	4.5	5.5	FT
EIP-GP135	EIP-GP135-02	12-Jan-04	10.5	11.5	FT
EIP-GP136	EIP-GP136-01	12-Jan-04	3.5	4.5	FT
EIP-GP136	EIP-GP136-02	12-Jan-04	8.5	9.5	FT
EIP-GP136	EIP-GP136-02DUP	12-Jan-04	8.5	9.5	FT
EIP-GP137	EIP-GP137-01	13-Jan-04	5.5	6.5	FT
EIP-GP137	EIP-GP137-02	13-Jan-04	9	10	FT
EIP-GP137	EIP-GP137-02DUP	13-Jan-04	9	10	FT
EIP-GP137	EIP-GP137-03	13-Jan-04	19.5	20.5	FT
EIP-GP138	EIP-GP138-01	13-Jan-04	3.5	4.5	FT
EIP-GP138	EIP-GP138-02	13-Jan-04	8.5	9.5	FT
EIP-GP138	EIP-GP138-03	13-Jan-04	23.5	24.5	FT
EIP-GP139	EIP-GP139-01	12-Jan-04	5.5	6.5	FT
EIP-GP139	EIP-GP139-02	12-Jan-04	13.5	14.5	FT
EIP-GP140	EIP-GP140-01	13-Jan-04	2.5	3.5	FT
EIP-GP140	EIP-GP140-02	13-Jan-04	15.5	16.5	FT
EIP-GP153	EIP-GP153-01	12-Jan-04	8.5	9.5	FT
EIP-GP153	EIP-GP153-02	12-Jan-04	17.5	18.5	FT
EIP-GP154	EIP-GP154-01	9-Jan-04	8.5	9.5	FT

**Table 2-4**  
**Summary of Soil Samples**  
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<b>Location ID</b>	<b>Sample ID</b>	<b>Sample Date</b>	<b>Upper Depth of Soil Sample</b>	<b>Lower Depth of Soil Sample</b>	<b>Depth Unit</b>
EIP-GP154	EIP-GP154-02	9-Jan-04	18.5	19.5	FT
EIP-GP155	EIP-GP155-01	9-Jan-04	5.5	6.5	FT
EIP-GP155	EIP-GP155-01DUP	9-Jan-04	5.5	6.5	FT
EIP-GP155	EIP-GP155-02	9-Jan-04	11.5	12.5	FT
EIP-GP155	EIP-GP155-03	9-Jan-04	15.5	16.5	FT
EIP-GP156	EIP-GP156-01	9-Jan-04	4.4	5.5	FT
EIP-GP156	EIP-GP156-02	9-Jan-04	11.5	12.5	FT
EIP-GP157	EIP-GP157-01	7-Jan-04	3.5	4.5	FT
EIP-GP157	EIP-GP157-02	7-Jan-04	11.5	12.5	FT
EIP-GP157	EIP-GP157-03	7-Jan-04	15.5	16.5	FT
EIP-GP158	EIP-GP158-01	8-Jan-04	2.5	3.5	FT
EIP-GP158	EIP-GP158-02	8-Jan-04	17.5	18.5	FT
EIP-GP159	EIP-GP159-01	8-Jan-04	4.5	5.5	FT
EIP-GP159	EIP-GP159-02	8-Jan-04	12.5	13.5	FT
EIP-GP160	EIP-GP160-01	8-Jan-04	7.5	8.5	FT
EIP-GP160	EIP-GP160-02	8-Jan-04	12.5	13.5	FT
EIP-GP160	EIP-GP160-03	8-Jan-04	17.5	18.5	FT
EIP-GP161	EIP-GP161-01	29-Apr-04	6.5	7.5	FT
EIP-GP161	EIP-GP161-01DUP	29-Apr-04	6.5	7.5	FT
EIP-GP161	EIP-GP161-02	29-Apr-04	19.5	20.5	FT
EIP-GP162	EIP-GP162-01	29-Apr-04	6.5	7.5	FT
EIP-GP162	EIP-GP162-02	29-Apr-04	13.5	14.5	FT
EIP-GP163	EIP-GP163-01	29-Apr-04	4.5	5.5	FT
EIP-GP163	EIP-GP163-02	29-Apr-04	10.5	11.5	FT
EIP-GP164	EIP-GP164-01	29-Apr-04	2.5	3.5	FT
EIP-GP164	EIP-GP164-02	29-Apr-04	13.5	14.5	FT
EIP-GP165	EIP-GP165-01	29-Apr-04	3.5	4.5	FT
EIP-GP165	EIP-GP165-02	29-Apr-04	9.5	10.5	FT
EIP-GP166	EIP-GP166-01	29-Apr-04	8.5	9.5	FT
EIP-GP166	EIP-GP166-02	29-Apr-04	19.5	20.5	FT
EIP-GP172	EIP-GP172-01	14-Apr-04	3.5	4.5	FT
EIP-GP172	EIP-GP172-02	14-Apr-04	10.5	11.5	FT
EIP-GP173	EIP-GP173-01	14-Apr-04	3.5	4.5	FT
EIP-GP173	EIP-GP173-01DUP	14-Apr-04	3.5	4.5	FT
EIP-GP173	EIP-GP173-02	14-Apr-04	8.5	9.5	FT
EIP-GP173	EIP-GP173-03	14-Apr-04	20.5	21.5	FT



**Table 2-4  
Summary of Soil Samples  
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<b>Location ID</b>	<b>Sample ID</b>	<b>Sample Date</b>	<b>Upper Depth of Soil Sample</b>	<b>Lower Depth of Soil Sample</b>	<b>Depth Unit</b>
EIP-GP174	EIP-GP174-01	13-Apr-04	8.5	9.5	FT
EIP-GP174	EIP-GP174-02	13-Apr-04	14.5	15.5	FT
EIP-GP175	EIP-GP175-01	14-Apr-04	3.5	4.5	FT
EIP-GP175	EIP-GP175-02	14-Apr-04	18.5	19.5	FT
EIP-GP176	EIP-GP176-01	13-Apr-04	1.5	2.5	FT
EIP-GP176	EIP-GP176-02	13-Apr-04	13.5	14.5	FT
EIP-GP177	EIP-GP177-01	13-Apr-04	4.5	5.5	FT
EIP-GP177	EIP-GP177-02	13-Apr-04	11.5	12.5	FT
EIP-GP177	EIP-GP177-03	13-Apr-04	15.5	16.5	FT
EIP-GP178	EIP-GP178-01	8-Apr-04	5.5	6.5	FT
EIP-GP178	EIP-GP178-02	8-Apr-04	9.5	10.5	FT
EIP-GP178	EIP-GP178-03	8-Apr-04	15.5	16.5	FT
EIP-GP179	EIP-GP179-01	8-Apr-04	3.5	4.5	FT
EIP-GP179	EIP-GP179-02	8-Apr-04	10.5	11.5	FT
EIP-GP179	EIP-GP179-03	8-Apr-04	15.5	16.5	FT
EIP-GP179	EIP-GP179-03DUP	8-Apr-04	15.5	16.5	FT
EIP-GP180	EIP-GP180-01	8-Apr-04	5.5	6.5	FT
EIP-GP180	EIP-GP180-02	8-Apr-04	11.5	12.5	FT
EIP-GP181	EIP-GP181-01	8-Apr-04	4.5	5.5	FT
EIP-GP181	EIP-GP181-02	8-Apr-04	10.5	11.5	FT
EIP-GP181	EIP-GP181-03	8-Apr-04	20.5	21.5	FT
EIP-GP187	EIP-GP187-01	21-Jan-04	1.5	2.5	FT
EIP-GP187	EIP-GP187-02	21-Jan-04	16.5	17.5	FT
EIP-GP188	EIP-GP188-01	21-Jan-04	3.5	4.5	FT
EIP-GP188	EIP-GP188-02	21-Jan-04	17.5	18.5	FT
EIP-GP189	EIP-GP189-01	22-Jan-04	9.5	10.5	FT
EIP-GP189	EIP-GP189-01DUP	22-Jan-04	9.5	10.5	FT
EIP-GP189	EIP-GP189-02	22-Jan-04	18.5	19.5	FT
EIP-GP190	EIP-GP190-01	22-Jan-04	7	8	FT
EIP-GP190	EIP-GP190-02	22-Jan-04	11.5	12.5	FT
EIP-GP190	EIP-GP190-03	22-Jan-04	14.5	15.5	FT
EIP-GP191	EIP-GP191-01	21-Jan-04	3.5	4.5	FT
EIP-GP191	EIP-GP191-02	21-Jan-04	13.5	14.5	FT
EIP-GP192	EIP-GP192-01	9-Dec-03	5.5	6.5	FT
EIP-GP192	EIP-GP192-02	9-Dec-03	15.5	16.5	FT
EIP-GP193	EIP-GP193-01	10-Dec-03	4.5	5.5	FT

**Table 2-4  
Summary of Soil Samples  
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<b>Location ID</b>	<b>Sample ID</b>	<b>Sample Date</b>	<b>Upper Depth of Soil Sample</b>	<b>Lower Depth of Soil Sample</b>	<b>Depth Unit</b>
EIP-GP193	EIP-GP193-02	10-Dec-03	23.5	24.5	FT
EIP-GP194	EIP-GP194-01	9-Dec-03	5.5	6.5	FT
EIP-GP194	EIP-GP194-02	9-Dec-03	23.5	24.5	FT
EIP-GP195	EIP-GP195-01	9-Dec-03	2.5	3.5	FT
EIP-GP195	EIP-GP195-02	9-Dec-03	14.5	15.5	FT
EIP-GP196	EIP-GP196-01	10-Dec-03	5.5	6.5	FT
EIP-GP196	EIP-GP196-02	10-Dec-03	9.5	10.5	FT
EIP-GP196	EIP-GP196-03	10-Dec-03	27.5	28.5	FT
EIP-GP196	EIP-GP196-03DUP	10-Dec-03	27.5	28.5	FT
EIP-GP197	EIP-GP197-01	10-Dec-03	9.5	10.5	FT
EIP-GP197	EIP-GP197-02	10-Dec-03	23.5	24.5	FT
EIP-GP198	EIP-GP198-01	11-Dec-03	1.5	2.5	FT
EIP-GP198	EIP-GP198-02	11-Dec-03	11.5	12.5	FT
EIP-GP206	EIP-GP206-01	13-Jan-04	1.5	2.5	FT
EIP-GP206	EIP-GP206-02	13-Jan-04	9.5	10.5	FT
EIP-GP206	EIP-GP206-03	13-Jan-04	13.5	14.5	FT
EIP-GP207	EIP-GP207-01	26-Jan-04	2.5	3.5	FT
EIP-GP207	EIP-GP207-02	26-Jan-04	8.5	9.5	FT
EIP-GP207	EIP-GP207-03	26-Jan-04	16.5	17.5	FT
GP2	GP2 (11.5-11.5)	14-Jun-02	11.5	11.5	FT
GP3	GP3 (5-5)	13-Jun-02	5	5	FT
GP3	GP3 (8-8)	13-Jun-02	8	8	FT
GP4	GP4 (9-9)	11-Jun-02	9	9	FT
GP4	GP4 (27.5-27.5)	11-Jun-02	27.5	27.5	FT
GP5	GP5 (10-10)	12-Jun-02	10	10	FT
GP8	GP8 (16-16)	12-Jun-02	16	16	FT
GP8	GP8 (23-23)	12-Jun-02	23	23	FT
GP9	GP9 (10-10)	13-Jun-02	10	10	FT
GP9	GP9 (35-35)	13-Jun-02	35	35	FT
GP13	GP13 (10-10)	19-Jun-02	10	10	FT
GP14	GP14 (23.5-23.5)	18-May-02	23.5	23.5	FT
GP15	GP15 (8-8)	13-May-02	8	8	FT
GP15	GP15 (21-21)	13-May-02	21	21	FT
GP16	GP16 (10-10)	15-May-02	10	10	FT
GP17	GP17 (10-10)	16-May-02	10	10	FT
GP17	GP17 (16-16)	16-May-02	16	16	FT

**Table 2-4**  
**Summary of Soil Samples**  
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<b>Location ID</b>	<b>Sample ID</b>	<b>Sample Date</b>	<b>Upper Depth of Soil Sample</b>	<b>Lower Depth of Soil Sample</b>	<b>Depth Unit</b>
GP18	GP18 (18-18)	16-May-02	18	18	FT
GP20	GP20 (34.5-35)	9-May-02	34.5	35	FT
GP21	GP21 (10-10)	9-May-02	10	10	FT
GP21	GP21 (25-25)	9-May-02	25	25	FT
GP22	GP22 (14-14)	23-May-02	14	14	FT
GP23	GP23 (12-12)	11-Jun-02	12	12	FT
GP23	GP23 (23-23)	11-Jun-02	23	23	FT
GP24	GP24 (15-15)	17-May-02	15	15	FT
GP24	GP24 (37-37)	17-May-02	37	37	FT
GP25	GP25 (27-27)	21-May-02	27	27	FT
GP26	GP26 (21-21)	21-May-02	21	21	FT
GP26	GP26 (27-27)	21-May-02	27	27	FT
GP27	GP27 (13-13)	22-May-02	13	13	FT
GP27	GP27 (18-18)	22-May-02	18	18	FT
GP28	GP28 (7-8)	1-May-02	7	8	FT
GP29	GP29 (7-7)	2-May-02	7	7	FT
GP30	GP30 (13-13)	3-May-02	13	13	FT
GP31	GP31 (8-8)	2-May-02	8	8	FT
GP32	GP32 (9-9.5)	3-May-02	9	9.5	FT
GP32	GP32 (26-26.5)	3-May-02	26	26.5	FT
GP36	GP36 (12-12)	14-May-02	12	12	FT
GP36	GP36 (22-22)	14-May-02	22	22	FT
GP41	GP41 (4-4)	10-Jun-02	4	4	FT
GP41	GP41 (14-14)	10-Jun-02	14	14	FT
GP42	GP42 (7-7)	10-Jun-02	7	7	FT
GP42	GP42 (24-24)	10-Jun-02	24	24	FT
GP50	GP50 (10-10)	12-Jun-02	10	10	FT
GP50	GP50 (35-35)	12-Jun-02	35	35	FT
GP51	GP51 (7.5-7.5)	20-Jun-02	7.5	7.5	FT
GP52	GP52 (7.5-7.5)	20-Jun-02	7.5	7.5	FT
GP52	GP52 (12-12)	20-Jun-02	12	12	FT
GP53	GP53 (7.5-7.5)	21-Jun-02	7.5	7.5	FT
GP53	GP53 (9.5-9.5)	21-Jun-02	9.5	9.5	FT
LD-1	LD-1 (4-6)	30-Apr-02	4	6	FT
LD-1	LD-1 (42-44)	30-Apr-02	42	44	FT
OV-1	OV-1 (4-6)	29-May-02	4	6	FT

**Table 2-4  
Summary of Soil Samples  
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<b>Location ID</b>	<b>Sample ID</b>	<b>Sample Date</b>	<b>Upper Depth of Soil Sample</b>	<b>Lower Depth of Soil Sample</b>	<b>Depth Unit</b>
OV-1	OV-1 (28-30)	29-May-02	28	30	FT
OV-1	OV-1 (28-30)DUP	29-May-02	28	30	FT
OV-2	OV-2 (18-20)	10-May-02	18	20	FT
OV-2	OV-2 (42-44)	10-May-02	42	44	FT
OV-3	OV-3 (6-8)	8-May-02	6	8	FT
OV-3	OV-3 (34-36)	8-May-02	34	36	FT
OV-3	OV-3 (34-36)RA1	8-May-02	34	36	FT
OV-3	OV-3 (40-42)	8-May-02	40	42	FT
OV-3	OV-3 (40-42)DUP	8-May-02	40	42	FT
OV-4	OV-4 (16-18)	3-Jun-02	16	18	FT
OV-4	OV-4 (36-38)	3-Jun-02	36	38	FT
OV-5	OV-5 (14-16)	23-May-02	14	16	FT
OV-5	OV-5 (26-28)	23-May-02	26	28	FT
OV-6	OV-6 (16-18)	29-Apr-02	16	18	FT
OV-6	OV-6 (32-34)	29-Apr-02	32	34	FT
OV-7	OV-7 (18-20)	22-May-02	18	20	FT
OV-7	OV-7 (28-30)	22-May-02	28	30	FT
OV-7	OV-7 (28-30)DUP	22-May-02	28	30	FT
OV-8	OV-8(7.5-10)	23-May-02	7.5	10	FT
OV-8	OV-8(15-17.5)	23-May-02	15	17.5	FT
OV-8	OV-8(15-22.5)	23-May-02	15	22.5	FT
OV-8	OV-8(17.5-20)	23-May-02	17.5	20	FT
OV-8	OV-8(20-22.5)	23-May-02	20	22.5	FT
OV-9	OV-9 (16-18)	30-May-02	16	18	FT
OV-9	OV-9 (28-30)	30-May-02	28	30	FT
SB-1	SB-1 (8-10)	7-May-02	8	10	FT
SB-1	SB-1 (8-10)RA1	7-May-02	8	10	FT
SB-1	SB-1 (28-30)	7-May-02	28	30	FT
SB-3	SB-3 (8-10)	7-May-02	8	10	FT
SB-3	SB-3 (30-32)	7-May-02	30	32	FT
SB-4	SB-4 (10- 12)	6-May-02	10	12	FT
SB-4	SB-4 (10- 12)RA1	6-May-02	10	12	FT
SB-4	SB-4 (34-36)	6-May-02	34	36	FT
SB-4	SB-4 (34-36)RA1	6-May-02	34	36	FT
SB-5	SB-5 (2-4)	16-May-02	2	4	FT
SB-5	SB-5 (22-24)	16-May-02	22	24	FT

**Table 2-4  
Summary of Soil Samples  
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<b>Location ID</b>	<b>Sample ID</b>	<b>Sample Date</b>	<b>Upper Depth of Soil Sample</b>	<b>Lower Depth of Soil Sample</b>	<b>Depth Unit</b>
SB-5	SB-5 (22-26)	16-May-02	22	26	FT
SB-5	SB-5 (40-42)	16-May-02	40	42	FT
SB-6	SB-6 (2-4)	17-May-02	2	4	FT
SB-6	SB-6 (32-34)	17-May-02	32	34	FT
SB-7	SB-7 (10-12)	15-May-02	10	12	FT
SB-7	SB-7 (18-20)	15-May-02	18	20	FT
SB-8	SB-8 (8-10)	13-May-02	8	10	FT
SB-8	SB-8 (34-36)	13-May-02	34	36	FT
SB-9	SB-9 (14-16)	14-May-02	14	16	FT
SB-9	SB-9 (36-38)	14-May-02	36	38	FT
SB-10	SB-10 (14-16)	24-Apr-02	14	16	FT
SB-10	SB-10 (14-16)RA1	24-Apr-02	14	16	FT
SB-10	SB-10 (34-36)	24-Apr-02	34	36	FT
SB-10	SB-10 (48-50)	24-Apr-02	48	50	FT
SB-11	SB-11 (8-10)	1-May-02	8	10	FT
SB-11	SB-11 (20-22)	1-May-02	20	22	FT
SB-11	SB-11 (20-22)D	1-May-02	20	22	FT
SB-12	SB-12 (2-4)	1-Jun-02	2	4	FT
SB-12	SB-12 (2-14)	1-Jun-02	2	14	FT
SB-12	SB-12 (6-8)	1-Jun-02	6	8	FT
SB-12	SB-12 (8-10)	1-Jun-02	8	10	FT
SB-12	SB-12 (8-10)DL1	1-Jun-02	8	10	FT
SB-12	SB-12 (12-14)	1-Jun-02	12	14	FT
SB-12	SB-12 (12-14)DL1	1-Jun-02	12	14	FT
SB-13	SB-13 (0-2)	10-May-02	0	2	FT
SB-13	SB-13 (16-18)	10-May-02	16	18	FT
SB-13	SB-13 (16-18)DUP	10-May-02	16	18	FT
SB-14	SB-14 (6-8)	24-May-02	6	8	FT
SB-14	SB-14 (22-24)	24-May-02	22	24	FT
SB-15	SB-15 (10-12)	13-May-02	10	12	FT
SB-15	SB-15 (26-28)	13-May-02	26	28	FT
SB-15	SB-15 (26-28)DUP	13-May-02	26	28	FT
SB-16	SB-16 (12-14)	8-May-02	12	14	FT
SB-16	SB-16 (22-24)	8-May-02	22	24	FT
SB-17	SB-17 (15-17.5)	4-Jun-02	15	17.5	FT

**Table 2-4**  
**Summary of Soil Samples**  
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<b>Location ID</b>	<b>Sample ID</b>	<b>Sample Date</b>	<b>Upper Depth of Soil Sample</b>	<b>Lower Depth of Soil Sample</b>	<b>Depth Unit</b>
SB-17	SB-17 (17.5-20)	4-Jun-02	17.5	20	FT
SB-17	SB-17 (17.5-20)DUP	4-Jun-02	17.5	20	FT
SB-18	SB-18 (19-21)	5-Jun-02	19	21	FT
SB-18	SB-18 (29-31)	5-Jun-02	29	31	FT
SB-18	SB-18 (29-31) Dup	5-Jun-02	29	31	FT
SB-18	SB-18 (35-37)	5-Jun-02	35	37	FT
SB-19	SB-19 (10-12)	31-May-02	10	12	FT
SB-19	SB-19 (28-30)	31-May-02	28	30	FT
SB-19	SB-19 (54-56)	31-May-02	54	56	FT
SB-20	SB-20 (18-20)	6-Jun-02	18	20	FT
SB-20	SB-20 (18-20)DL1	6-Jun-02	18	20	FT
SB-20	SB-20 (20-22)	6-Jun-02	20	22	FT
SB-20	SB-20 (20-22)DL1	6-Jun-02	20	22	FT
SB-21	SB-21 (10-12)	6-Jun-02	10	12	FT
SB-21	SB-21 (24-26)	6-Jun-02	24	26	FT
X-100	X-100	20-May-02	1	1	IN

Note:

If upper and lower sample depth are the same, then a grab soil sample was collected from the depth listed.

**Table 2-5**  
**Summary of Soil Sample Detections**  
**Preliminary Planning Report**  
**Ellsworth Industrial Park**  
**Downers Grove, Illinois**

Location ID	BD-12	BD-12	BD-15	BD-2	BD-3	BD-3	BD-5	BD-5	BD-5
Field Sample ID	BD-12 (17.5-20)	BD-12 (35-37.5)	BO-15 (12-14)	BD-2 (27.5-30)	BD-3 (28-30)	BD-3 (28-30)RA1	BD-5 (16-18)	BD-5 (36-38)	BD-5 (36-38)RA1
Sample Date	5/28/2002	5/28/2002	5/6/2002	5/20/2002	5/9/2002	5/9/2002	5/9/2002	5/9/2002	5/9/2002
Chemical Name (ug/kg)									
1,1,1-Trichloroethane	15	2.6	--	--	3.2	3.1	--	4	32
1,1-Dichloroethane	--	--	--	--	--	--	--	--	--
1,1-Dichloroethene	--	--	--	--	--	--	--	--	--
Carbon Tetrachloride	--	--	--	--	--	--	--	--	--
Cis-1,2-Dichloroethene	--	--	37	--	--	--	--	--	--
Tetrachloroethene	--	--	--	2.9	5.3	7.1	41	3.5	--
Trans-1,2-Dichloroethene	--	--	4.5	--	--	--	--	--	--
Trichloroethylene	--	--	--	--	--	--	21	24	120
Vinyl Chloride	--	--	--	--	--	--	--	--	--

Location ID	BD-7	BD-7	EIP-GP100	EIP-GP105	EIP-GP107	EIP-GP107	EIP-GP122	EIP-GP127	EIP-GP128
Field Sample ID	BD-7 (20-22.5)	BD-7 (37.5-40)	EIP-GP100-02	EIP-GP105-02	EIP-GP107-01	EIP-GP107-01DUP	EIP-GP122-02	EIP-GP127-01	EIP-GP128-01
Sample Date	5/15/2002	5/15/2002	4/7/2004	4/5/2004	4/5/2004	4/5/2004	12/18/2003	4/26/2004	4/26/2004
Chemical Name (ug/kg)									
1,1,1-Trichloroethane	--	--	5 J	2 J	--	12	--	9 J	1800
1,1-Dichloroethane	--	--	--	--	--	--	--	--	110
1,1-Dichloroethene	--	--	--	--	--	--	--	--	83
Carbon Tetrachloride	--	--	--	--	--	--	--	--	--
Cis-1,2-Dichloroethene	--	--	--	--	--	--	--	--	5 J
Tetrachloroethene	--	--	--	--	10	38	3 J	--	--
Trans-1,2-Dichloroethene	--	--	--	--	--	--	--	--	--
Trichloroethylene	85	2	--	--	--	--	--	--	4 J
Vinyl Chloride	--	--	--	--	--	--	--	--	--

**Table 2-5**  
**Summary of Soil Sample Detections**  
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Location ID	EIP-GP129	EIP-GP129	EIP-GP129	EIP-GP130	EIP-GP135	EIP-GP137	EIP-GP137	EIP-GP154	EIP-GP158
Field Sample ID	EIP-GP129-01	EIP-GP129-01DUP	EIP-GP129-02	EIP-GP130-02	EIP-GP135-02	EIP-GP137-01	EIP-GP137-03	EIP-GP154-02	EIP-GP158-02
Sample Date	4/27/2004	4/27/2004	4/27/2004	4/27/2004	1/12/2004	1/13/2004	1/13/2004	1/9/2004	1/8/2004
Chemical Name (ug/kg)									
I,1,1-Trichloroethane	--	3 J	4700	150	--	26	45	--	6 J
I,1-Dichloroethane	5 J	13	--	120	--	--	--	--	--
I,1-Dichloroethene	--	--	--	18	--	--	3 J	--	--
Carbon Tetrachloride	--	--	--	84	--	3 J	5 J	--	--
Cis-1,2-Dichloroethene	--	--	--	--	--	3 J	20	--	--
Tetrachloroethene	--	--	--	--	3 J	--	240	38	--
Trans-1,2-Dichloroethene	--	--	--	--	--	--	--	--	--
Trichloroethylene	--	--	--	--	--	--	19 J	--	--
Vinyl Chloride	--	--	--	--	--	--	--	--	--

Location ID	EIP-GP160	EIP-GP187	EIP-GP188	EIP-GP190	EIP-GP191	EIP-GP59	EIP-GP77	EIP-GP82	EIP-GP82
Field Sample ID	EIP-GP160-03	EIP-GP187-02	EIP-GP188-01	EIP-GP190-01	EIP-GP191-02	EIP-GP59-03	EIP-GP77-01	EIP-GP82-01	EIP-GP82-02
Sample Date	1/8/2004	1/21/2004	1/21/2004	1/22/2004	1/21/2004	1/26/2004	4/27/2004	12/22/2003	12/22/2003
Chemical Name (ug/kg)									
I,1,1-Trichloroethane	8 J	36	5 J	3 J	4 J	--	--	--	--
I,1-Dichloroethane	--	4 J	--	4 J	7 J	--	20	--	--
I,1-Dichloroethene	--	--	--	--	--	--	--	--	--
Carbon Tetrachloride	--	--	--	--	--	--	--	--	--
Cis-1,2-Dichloroethene	--	--	--	--	--	--	--	--	--
Tetrachloroethene	--	--	--	--	--	--	--	--	--
Trans-1,2-Dichloroethene	--	--	--	--	--	--	--	--	--
Trichloroethylene	--	--	--	--	--	4 J	--	25000	9500 J
Vinyl Chloride	--	--	--	--	--	--	--	--	--



**Table 2-5**  
**Summary of Soil Sample Detections**  
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Location ID	EIP-GP83	GP17	GP20	GP21	GP22	GP24	GP24	GP25	GP26	GP26
Field Sample ID	EIP-GP83-01	GP17 (10-10)	GP20 (34.5-35)	GP21 (10-10)	GP22 (14-14)	GP24 (15-15)	GP24 (37-37)	GP25 (27-27)	GP26 (21-21)	GP26 (27-27)
Sample Date	12/22/2003	5/16/2002	5/9/2002	5/9/2002	5/23/2002	5/17/2002	5/17/2002	5/21/2002	5/21/2002	5/21/2002
Chemical Name (ug/kg)										
1,1,1-Trichloroethane	--	--	--	2 J	--	4 J	--	620 J	--	--
1,1-Dichloroethane	--	--	--	2 J	--	--	--	--	--	--
1,1-Dichloroethene	--	--	--	--	--	--	--	--	--	--
Carbon Tetrachloride	--	--	--	--	--	--	--	--	--	--
Cis-1,2-Dichloroethene	--	--	--	250	--	1 J	--	--	--	--
Tetrachloroethene	--	1 J	--	3 J	100 J	6 J	--	580 J	--	400 J
Trans-1,2-Dichloroethene	--	--	--	7 J	--	--	--	--	--	--
Trichloroethylene	35000	--	3 J	51	840	970	490 J	10000	1000	990
Vinyl Chloride	--	--	--	2 J	--	--	--	--	--	--

Location ID	GP27	GP28	GP29	GP3	GP3	GP30	GP31	GP36	GP41	GP41
Field Sample ID	GP27 (13-13)	GP28 (7-8)	GP29 (7-7)	GP3 (5-5)	GP3 (8-8)	GP30 (13-13)	GP31 (8-8)	GP36 (12-12)	GP41 (14-14)	GP41 (4-4)
Sample Date	5/22/2002	5/1/2002	5/2/2002	6/13/2002	6/13/2002	5/3/2002	5/2/2002	5/14/2002	6/10/2002	6/10/2002
Chemical Name (ug/kg)										
1,1,1-Trichloroethane	--	--	--	--	--	4 J	--	2 J	--	--
1,1-Dichloroethane	--	--	--	--	--	--	--	--	--	--
1,1-Dichloroethene	--	--	--	--	--	--	--	--	--	--
Carbon Tetrachloride	--	--	--	--	--	--	--	--	--	--
Cis-1,2-Dichloroethene	--	--	--	--	--	--	310 J	--	--	--
Tetrachloroethene	--	180 J	2 J	1 J	1 J	--	4500 J	--	66000	120000
Trans-1,2-Dichloroethene	--	--	--	--	--	--	--	--	--	--
Trichloroethylene	4100	4 J	--	--	--	--	130 J	3 J	--	130 J
Vinyl Chloride	--	--	--	--	--	--	--	--	--	--

**Table 2-5**  
**Summary of Soil Sample Detections**  
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Location ID	GP42	GP42	GP52	GP52	GP53	GP53	GP8	GP8	GP9	GP9
Field Sample ID	GP42 (24-24)	GP42 (7-7)	GP52 (12-12)	GP52 (7.5-7.5)	GP53 (7.5-7.5)	GP53 (9.5-9.5)	GP8 (16-16)	GP8 (23-23)	GP9 (10-10)	GP9 (35-35)
Sample Date	6/10/2002	6/10/2002	6/20/2002	6/20/2002	6/21/2002	6/21/2002	6/12/2002	6/12/2002	6/13/2002	6/13/2002
Chemical Name (ug/kg)										
1,1,1-Trichloroethane	--	--	--	--	13	19000 J	--	--	--	--
1,1-Dichloroethane	--	--	--	--	--	--	--	--	--	--
1,1-Dichloroethene	--	--	--	26	--	480 J	--	--	--	--
Carbon Tetrachloride	--	--	--	--	--	--	--	--	--	--
Cis-1,2-Dichloroethene	--	--	38000 J	59000	--	--	--	--	--	--
Tetrachloroethene	2 J	6 J	2300 J	1300 J	1 J	--	1000	9500	2 J	170
Trans-1,2-Dichloroethene	--	--	--	910	--	--	--	--	--	--
Trichloroethylene	--	--	500000	220000	1 J	140 J	--	--	--	--
Vinyl Chloride	--	--	--	--	--	--	--	--	--	--

Location ID	LD-1	OV-2	OV-3	OV-3	OV-4	OV-5	OV-6	OV-7	OV-7	OV-7
Field Sample ID	LD-1 (42-44)	OV-2 (42-44)	OV-3 (40-42)	OV-3 (40-42)DUP	OV-4 (36-38)	OV-5 (26-28)	OV-6 (16-18)	OV-7 (18-20)	OV-7 (28-30)	OV-7 (28-30)DUP
Sample Date	4/30/2002	5/10/2002	5/8/2002	5/8/2002	6/3/2002	5/23/2002	4/29/2002	5/22/2002	5/22/2002	5/22/2002
Chemical Name (ug/kg)										
1,1,1-Trichloroethane	1.6	--	--	--	4.7	15	--	--	--	--
1,1-Dichloroethane	--	--	--	--	--	--	--	--	--	--
1,1-Dichloroethene	--	--	--	--	--	--	--	--	--	--
Carbon Tetrachloride	--	--	--	--	--	--	--	--	--	--
Cis-1,2-Dichloroethene	--	--	--	--	--	--	150	--	--	--
Tetrachloroethene	--	2.6	63	51	--	--	6000	2.5	--	5.1
Trans-1,2-Dichloroethene	--	--	--	--	--	--	--	--	--	--
Trichloroethylene	52	2.9	--	--	--	7.3	--	--	5.5	14
Vinyl Chloride	--	--	--	--	--	--	--	--	--	--

**Table 2-5**  
**Summary of Soil Sample Detections**  
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Location ID	OV-8	OV-8	OV-8	SB-1	SB-10	SB-10	SB-11	SB-12
Field Sample ID	OV-8(15-17.5)	OV-8(15-22.5)	OV-8(17.5-20)	SB-1 (8-10)	SB-10 (14-16)	SB-10 (14-16)RA1	SB-11 (8-10)	SB-12 (8-10)
Sample Date	5/23/2002	5/23/2002	5/23/2002	5/7/2002	4/24/2002	4/24/2002	5/1/2002	6/1/2002
Chemical Name (ug/kg)								
I,1,1-Trichloroethane	29	--	8.7	--	--	--	7.3	--
I,1-Dichloroethane	2.1	--	--	--	--	--	--	--
I,1-Dichloroethene	--	--	--	--	--	--	--	--
Carbon Tetrachloride	--	--	--	--	--	--	--	--
Cis-1,2-Dichloroethene	--	--	--	--	8.8	5.6	--	--
Tetrachloroethene	9.2	910	25	3.4	1.8	--	--	--
Trans-1,2-Dichloroethene	--	--	--	--	--	--	--	6.9
Trichloroethylene	660	17000	800	--	--	--	--	--
Vinyl Chloride	--	--	--	--	--	--	--	--

Location ID	SB-13	SB-16	SB-17	SB-17	SB-18	SB-19	SB-20	SB-20
Field Sample ID	SB-13 (16-18)DUP	SB-16 (22-24)	SB-17 (15-17.5)	SB-17 (17.5-20)DU	SB-18 (19-21)	SB-19 (10-12)	SB-20 (18-20)	SB-20 (18-20)DL1
Sample Date	5/10/2002	5/8/2002	6/4/2002	6/4/2002	6/5/2002	5/31/2002	6/6/2002	6/6/2002
Chemical Name (ug/kg)								
I,1,1-Trichloroethane	--	--	42	5.4	18	3.9	92	88
I,1-Dichloroethane	--	--	--	--	--	--	3.5	--
I,1-Dichloroethene	--	--	--	--	--	--	--	--
Carbon Tetrachloride	--	--	--	--	--	--	--	--
Cis-1,2-Dichloroethene	--	--	--	--	--	--	--	--
Tetrachloroethene	2.6	3.6	--	--	27	--	39	51
Trans-1,2-Dichloroethene	--	--	--	--	--	--	--	--
Trichloroethylene	--	--	--	--	1.9	--	1300	1700
Vinyl Chloride	--	--	--	--	--	--	--	--

**Table 2-5**  
**Summary of Soil Sample Detections**  
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**Ellsworth Industrial Park**  
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Location ID	SB-20	SB-20	SB-21	SB-5	SB-5
Field Sample ID	SB-20 (20-22)	SB-20 (20-22)DL1	SB-21 (10-12)	SB-5 (22-24)	SB-5 (40-42)
Sample Date	6/6/2002	6/6/2002	6/6/2002	5/16/2002	5/16/2002
Chemical Name (ug/kg)					
1,1,1-Trichloroethane	8.9	--	--	14	--
1,1-Dichloroethane	--	--	--	--	--
1,1-Dichloroethene	--	--	--	--	--
Carbon Tetrachloride	--	--	--	--	--
Cis-1,2-Dichloroethene	--	--	--	--	--
Tetrachloroethene	10	--	6.6	--	--
Trans-1,2-Dichloroethene	--	--	--	--	--
Trichloroethylene	310	190	110	19	230
Vinyl Chloride	--	--	--	--	--

Location ID	SB-7	SB-8	SB-8	SB-9	X-100
Field Sample ID	SB-7 (18-20)	SB-8 (34-36)	SB-8 (8-10)	SB-9 (36-38)	X-10
Sample Date	5/15/2002	5/13/2002	5/13/2002	5/14/2002	5/20/2002
Chemical Name (ug/kg)					
1,1,1-Trichloroethane	25	--	--	--	--
1,1-Dichloroethane	--	--	--	--	--
1,1-Dichloroethene	--	--	--	--	--
Carbon Tetrachloride	--	--	--	--	--
Cis-1,2-Dichloroethene	--	--	--	--	57
Tetrachloroethene	4.1	--	210	--	72 J
Trans-1,2-Dichloroethene	--	--	--	--	--
Trichloroethylene	99	230	150	200	230
Vinyl Chloride	--	--	--	--	--

**Table 2-6**  
**Preliminary Screening Criteria - Soil**  
**Preliminary Planning Report**  
**Ellsworth Industrial Park**  
**Downers Grove, Illinois**

CAS No.	CHEMICAL NAME	TACO I/C Ingestion <sup>a</sup> (mg/kg)	TACO I/C Inhalation <sup>b</sup> (mg/kg)	TACO CW Ingestion <sup>c</sup> (mg/kg)	TACO CW Inhalation <sup>d</sup> (mg/kg)	TACO SCGW Class I <sup>e</sup> (mg/kg)	TACO SCGW Class II <sup>f</sup> (mg/kg)	R9 PRG Industrial <sup>g</sup> (mg/kg)	R9 SSLs <sup>h</sup> (mg/kg)	R 3 RBCs Industrial <sup>i</sup> (mg/kg)	Most Stringent <sup>j</sup> (mg/kg)
630-20-6	1,1,1,2-Tetrachloroethane	--	--	--	--	--	--	7.3	--	110	7.3
71-55-6	1,1,1-Trichloroethane	--	1200	--	1200	2	9.6	1200	2	290000	2
79-34-5	1,1,2,2-Tetrachloroethane	--	--	--	--	--	--	0.93	0.003	14	0.003
79-00-5	1,1,2-Trichloroethane	8200	1800	8200	1800	0.02	0.3	1.6	0.02	50	0.02
75-34-3	1,1-Dichloroethane	200000	1700	200000	130	23	110	1700	23	200000	23
75-35-4	1,1-Dichloroethene	18000	1500	1800	300	0.06	0.3	410	0.06	51000	0.06
120-82-1	1,2,4-Trichlorobenzene	20000	3200	2000	920	5	53	220	5	10000	5
95-63-6	1,2,4-Trimethylbenzene	--	--	--	--	--	--	170	--	51000	170
96-12-8	1,2-Dibromo-3-Chloropropane	4	17	89	0.11	0.002	0.002	2	--	2	0.002
106-93-4	1,2-Dibromoethane	0.07	0.32	1.5	0.45	0.0004	0.004	0.073	--	1.4	0.0004
95-50-1	1,2-Dichlorobenzene	180000	560	18000	310	17	43	600	17	92000	17
107-06-2	1,2-Dichloroethane	63	0.7	1400	0.99	0.02	0.1	0.6	0.02	31	0.02
78-87-5	1,2-Dichloropropane	84	23	1800	0.5	0.03	0.15	0.74	0.03	42	0.03
108-67-8	1,3,5-Trimethylbenzene	--	--	--	--	--	--	70	--	51000	70
541-73-1	1,3-Dichlorobenzene	--	--	--	--	--	--	600	--	3100	600
106-46-7	1,4-Dichlorobenzene	--	17000	--	340	2	11	7.9	2	120	2
108-60-1	2,2-Oxybis(1-Chloropropane)	--	--	--	--	--	--	7.4	--	41	7.4
95-95-4	2,4,5-Trichlorophenol	200000	--	200000	--	270	1400	62000	270	100000	270
88-06-2	2,4,6-Trichlorophenol	520	390	11000	540	0.2	0.77	62	0.2	260	0.2
120-83-2	2,4-Dichlorophenol	6100	--	610	--	1	1	1800	1	3100	1
105-67-9	2,4-Dimethylphenol	41000	--	41000	--	9	9	12000	9	20000	9
51-28-5	2,4-Dinitrophenol	4100	--	410	--	0.2	0.2	1200	0.3	2000	0.2
121-14-2	2,4-Dinitrotoluene	8.4	--	180	--	0.0008	0.0008	1200	0.0008	2000	0.0008
606-20-2	2,6-Dinitrotoluene	8.4	--	180	--	0.0007	0.0007	620	0.0007	1000	0.0007
78-93-3	2-Butanone	--	--	--	--	--	--	110000	--	610000	110000
91-58-7	2-Chloronaphthalene	--	--	--	--	--	--	23000	--	82000	23000
95-57-8	2-Chlorophenol	10000	53000	10000	53000	4	20	240	4	5100	4
91-57-6	2-Methylnaphthalene	--	--	--	--	--	--	--	--	4100	4100
95-48-7	2-Methylphenol	100000	--	100000	--	15	15	31000	15	51000	15
88-74-4	2-Nitroaniline	--	--	--	--	--	--	1800	--	3100	1800
91-94-1	3,3-Dichlorobenzidine	13	--	280	--	0.007	0.033	3.8	0.007	6.4	0.007
99-09-2	3-Nitroaniline	--	--	--	--	--	--	82	--	140	82
534-52-1	4,6-Dinitro-2-Methylphenol	--	--	--	--	--	--	62	--	100	62

**Table 2-6  
Preliminary Screening Criteria - Soil  
Preliminary Planning Report  
Ellsworth Industrial Park  
Downers Grove, Illinois**

CAS No.	CHEMICAL NAME	TACO I/C Ingestion <sup>a</sup> (mg/kg)	TACO I/C Inhalation <sup>b</sup> (mg/kg)	TACO CW Ingestion <sup>c</sup> (mg/kg)	TACO CW Inhalation <sup>d</sup> (mg/kg)	TACO SCGW Class I <sup>e</sup> (mg/kg)	TACO SCGW Class II <sup>f</sup> (mg/kg)	R9 PRG Industrial <sup>g</sup> (mg/kg)	R9 SSLs <sup>h</sup> (mg/kg)	R 3 RBCs Industrial <sup>i</sup> (mg/kg)	Most Stringent <sup>j</sup> (mg/kg)
106-47-8	4-Chloroaniline	8200	--	820	--	0.7	0.7	2500	0.7	53	0.7
108-10-1	4-Methyl-2-Pentanone	--	--	--	--	--	--	47000	--	--	47000
106-44-5	4-Methylphenol	--	--	--	--	--	--	3100	--	5100	3100
100-01-6	4-Nitroaniline	--	--	--	--	--	--	82	--	140	82
83-32-9	Acenaphthene	120000	--	120000	--	570	2900	29000	570	61000	570
67-64-1	Acetone	200000	100000	200000	100000	16	16	54000	16	920000	16
120-12-7	Anthracene	610000	--	610000	--	12000	59000	100000	12000	310000	12000
71-43-2	Benzene	100	1.6	2300	2.2	0.03	0.17	1.4	0.03	52	0.03
56-55-3	Benzo(A)Anthracene	8	--	170	--	2	8	2.1	2	3.9	2
50-32-8	Benzo(A)Pyrene	0.8	--	17	--	8	82	0.21	8	0.39	0.21
205-99-2	Benzo(B)Fluoranthene	8	--	170	--	5	25	2.1	5	3.9	2.1
207-08-9	Benzo(K)Fluoranthene	78	--	1700	--	49	250	21	49	39	21
65-85-0	Benzoic Acid	1000000	--	820000	--	400	400	100000	400	4100000	400
100-51-6	Benzyl Alcohol	--	--	--	--	--	--	100000	--	310000	100000
111-44-4	Bis(2-Chloroethyl)Ether	5	0.47	75	0.66	0.0004	0.0004	0.58	0.0004	2.6	0.0004
117-81-7	Bis(2-Ethylhexyl)Phthalate	410	31000	4100	31000	3600	31000	120	--	200	120
75-27-4	Bromodichloromethane	92	3000	2000	3000	0.6	0.6	1.8	0.6	46	0.6
74-83-9	Bromomethane	2900	15	1000	3.9	0.2	1.2	13	0.2	1400	0.2
85-68-7	Butylbenzylphthalate	410000	930	410000	930	930	930	100000	930	1500	930
86-74-8	Carbazole	290	--	6200	--	0.6	2.8	86	0.6	140	0.6
75-15-0	Carbon Disulfide	200000	720	20000	9	32	160	720	32	100000	9
56-23-5	Carbon Tetrachloride	44	0.64	410	0.9	0.07	0.33	0.55	0.07	22	0.07
75-69-4	Cfc-11	--	--	--	--	--	--	2000	--	310000	2000
75-71-8	Cfc-12	--	--	--	--	--	--	310	--	200000	310
108-90-7	Chlorobenzene	41000	210	4100	1.3	1	6.5	530	1	20000	1
75-00-3	Chloroethane	--	--	--	--	--	--	6.5	--	990	6.5
67-66-3	Chloroform	940	0.54	2000	0.76	0.6	2.9	0.47	0.6	10000	0.47
74-87-3	Chloromethane	--	--	--	--	--	--	160	--	--	160
218-01-9	Chrysene	780	--	17000	--	160	800	210	160	390	160
156-59-2	Cis-1,2-Dichloroethene	20000	1200	20000	1200	0.4	1.1	150	0.4	10000	0.4
110-82-7	Cyclohexane	--	--	--	--	--	--	140	--	--	140
53-70-3	Dibenzo(A,H)Anthracene	0.8	--	17	--	2	7.6	0.21	2	0.39	0.21
132-64-9	Dibenzofuran	--	--	--	--	--	--	1600	--	2000	1600

**Table 2-6**  
**Preliminary Screening Criteria - Soil**  
**Preliminary Planning Report**  
**Ellsworth Industrial Park**  
**Downers Grove, Illinois**

CAS No.	CHEMICAL NAME	TACO I/C Ingestion <sup>a</sup> (mg/kg)	TACO I/C Inhalation <sup>b</sup> (mg/kg)	TACO CW Ingestion <sup>c</sup> (mg/kg)	TACO CW Inhalation <sup>d</sup> (mg/kg)	TACO SCGW Class I <sup>e</sup> (mg/kg)	TACO SCGW Class II <sup>f</sup> (mg/kg)	R9 PRG Industrial <sup>g</sup> (mg/kg)	R9 SSLs <sup>h</sup> (mg/kg)	R 3 RBCs Industrial <sup>i</sup> (mg/kg)	Most Stringent <sup>j</sup> (mg/kg)
124-48-1	Dibromochloromethane	41000	1300	41000	1300	0.4	0.4	2.6	0.4	34	0.4
84-66-2	Diethylphthalate	1000000	2000	1000000	2000	470	470	100000	--	820000	470
131-11-3	Dimethylphthalate	--	--	--	--	--	--	100000	--	10000000	100000
84-74-2	Di-N-Butylphthalate	200000	2300	200000	2300	2300	2300	62000	2300	100000	2300
117-84-0	Di-N-Octylphthalate	41000	10000	4100	10000	10000	10000	25000	10000	41000	4100
100-41-4	Ethylbenzene	200000	400	20000	58	13	19	400	13	100000	13
206-44-0	Fluoranthene	82000	--	82000	--	4300	21000	22000	4300	41000	4300
86-73-7	Fluorene	82000	--	82000	--	560	2800	26000	560	41000	560
76-13-1	Freon-113	--	--	--	--	--	--	5600	--	31000000	5600
118-74-1	Hexachlorobenzene	4	1.8	78	2.6	2	11	1.1	2	1.8	1.1
87-68-3	Hexachlorobutadiene	--	--	--	--	--	--	22	2	37	2
77-47-4	Hexachlorocyclopentadiene	14000	16	14000	1.1	400	2200	3700	400	6100	1.1
67-72-1	Hexachloroethane	2000	--	2000	--	0.5	2.6	120	0.5	200	0.5
193-39-5	Indeno(1,2,3-C,D)Pyrene	8	--	170	--	14	69	2.1	14	3.9	2.1
78-59-1	Isopharane	410000	4600	410000	4600	8	8	510	0.5	3000	0.5
98-82-8	Isopropylbenzene	--	--	--	--	--	--	2000	--	100000	2000
79-20-9	Methyl Acetate	--	--	--	--	--	--	92000	--	1000000	92000
1634-04-4	Methyl Tert-Butyl Ether	20000	8800	2000	140	0.32	0.32	70	--	720	0.32
108-87-2	Methylcyclohexane	--	--	--	--	--	--	8700	--	--	8700
75-09-2	Methylene Chloride	760	24	12000	34	0.02	0.2	21	0.02	380	0.02
91-20-3	Naphthalene	41000	270	4100	1.8	12	18	190	84	20000	1.8
104-51-8	N-Butylbenzene	--	--	--	--	--	--	240	--	--	240
98-95-3	Nitrobenzene	1000	140	1000	9.4	0.1	0.1	100	0.1	510	0.1
62-75-9	N-Nitrosodimethylamine	--	--	--	--	--	--	0.034	--	0.056	0.034
86-30-6	N-Nitrosodiphenylamine	1200	--	25000	--	1	5.6	350	1	580	1
621-64-7	N-Nitrosos-Di-N-Propylamine	0.8	--	18	--	0.00005	0.00005	0.25	0.00005	0.41	0.00005
95-47-6	O-Xylene	1000000	410	410000	410	190	190	--	--	--	190
87-86-5	Pentachlorophenol	24	--	520	--	0.03	0.14	9	0.03	24	0.03
108-95-2	Phenol	1000000	--	120000	--	100	100	100000	100	310000	100
129-00-0	Pyrene	61000	--	61000	--	4200	21000	29000	4200	31000	4200
135-98-8	Sec-Butylbenzene	--	--	--	--	--	--	220	--	--	220
100-42-5	Styrene	410000	1500	41000	430	4	18	1700	4	200000	4

**Table 2-6  
Preliminary Screening Criteria - Soil  
Preliminary Planning Report  
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CAS No.	CHEMICAL NAME	TACO I/C Ingestion <sup>a</sup> (mg/kg)	TACO I/C Inhalation <sup>b</sup> (mg/kg)	TACO CW Ingestion <sup>c</sup> (mg/kg)	TACO CW Inhalation <sup>d</sup> (mg/kg)	TACO SCGW Class I <sup>e</sup> (mg/kg)	TACO SCGW Class II <sup>f</sup> (mg/kg)	R9 PRG Industrial <sup>g</sup> (mg/kg)	R9 SSLs <sup>h</sup> (mg/kg)	R 3 RBCs Industrial <sup>i</sup> (mg/kg)	Most Stringent <sup>j</sup> (mg/kg)
98-06-6	Tert-Butylbenzene	--	--	--	--	--	--	390	--	--	390
127-18-4	Tetrachloroethene	110	20	2400	28	0.06	0.3	1.3	0.06	5.3	0.06
108-88-3	Toluene	410000	650	410000	42	12	29	520	12	200000	12
156-60-5	Trans-1,2-Dichloroethene	41000	3100	41000	3100	0.7	3.4	230	0.7	20000	0.7
75-25-2	Tribromomethane	720	100	16000	140	0.8	0.8	220	0.8	360	0.8
79-01-6	Trichloroethylene	520	8.9	1200	12	0.06	0.3	0.11	0.06	7.2	0.06
108-05-4	Vinyl Acetate	1000000	1600	200000	10	170	170	1400	170	1022000	10
75-01-4	Vinyl Chloride	7.9	1.1	170	1.1	0.01	0.07	0.75	0.01	4	0.01
1330-20-7	Xylenes (Total)	1000000	320	410000	320	150	150	420	210	200000	150

Notes:

-- indicates that criteria for that chemical is not available.

Highlighted cells within the comparison criteria indicate that the highlighted criteria was used as the Most Stringent (see note d).

<sup>a</sup> Comparison criteria derived from 35 Illinois Administrative Code (IAC) 742, Tiered Approach to Corrective Action Objectives (TACO), Appendix B, Table B: Soil Remediation Objectives for Industrial/Commercial properties - Industrial/Commercial Worker Ingestion pathway.

<sup>b</sup> Comparison criteria derived from 35 IAC 742, TACO, Appendix B, Table B: Soil Remediation Objectives for Industrial/Commercial properties - Industrial/Commercial Worker Inhalation pathway.

<sup>c</sup> Comparison criteria derived from 35 IAC 742, TACO, Appendix B, Table B: Soil Remediation Objectives for Industrial/Commercial properties - Construction Worker Ingestion pathway.

<sup>d</sup> Comparison criteria derived from 35 IAC 742, TACO, Appendix B, Table B: Soil Remediation Objectives for Industrial/Commercial properties - Construction Worker Inhalation pathway.

<sup>e</sup> Comparison criteria derived from 35 IAC 742, TACO, Appendix B, Table B: Soil Remediation Objectives for Industrial/Commercial properties - Soil Component of the Groundwater Ingestion Exposure Pathway, Class I Groundwater.

<sup>f</sup> Comparison criteria derived from 35 IAC 742, TACO, Appendix B, Table B: Soil Remediation Objectives for Industrial/Commercial properties - Soil Component of the Groundwater Ingestion Exposure Pathway, Class II Groundwater.

<sup>g</sup> Comparison criteria derived from U.S. EPA Region 9 (R9) Preliminary Remediation Goals: Direct Contact Exposure Pathway - Industrial Soil.

<sup>h</sup> Comparison criteria derived from U.S. EPA Region 9 (R9) Preliminary Remediation Goals: Migration to Groundwater - Soil Screening Levels (SSLs), DAF20.

<sup>i</sup> Comparison criteria derived from U.S. EPA Region 3 (R3) Risk Based Criteria - Industrial Soil

<sup>j</sup> Most Stringent is lowest value from the previous eight criteria.



**Table 2-7**  
**Chlorinated Solvent Detections in Soil Exceeding Preliminary Screening Criteria**  
**Preliminary Planning Report**  
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**Downers Grove, Illinois**

Location ID	Most Stringent Preliminary Soil Screening Criteria (UG/KG)	BD-5	BD-7	EIP-GP128	EIP-GP129	EIP-GP130	EIP-GP137	EIP-GP82
Field Sample ID		BD-5 (36-38)RA1	BD-7 (20-22.5)	EIP-GP128-01	EIP-GP129-02	EIP-GP130-02	EIP-GP137-03	EIP-GP82-01
Sample Date		5/9/2002	5/15/2002	4/26/2004	4/27/2004	4/27/2004	1/13/2004	12/22/2003
Depth Interval		36- 38	20- 22.5	8.5- 9.5	10.5- 11.5	11.5- 12.5	19.5- 20.5	5.5- 6.5
Chemical Name (ug/kg)	Criteria (UG/KG)							
1,1,1-Trichloroethane	2000	32	--	1800	4700 *	150	45	--
1,1-Dichloroethene	60	--	--	83 *	--	18	3 J	--
Carbon Tetrachloride	70	--	--	--	--	84 *	5 J	--
Tetrachloroethene	60	--	--	--	--	--	240 *	--
Trans-1,2-Dichloroethene	700	--	--	--	--	--	--	--
Trichloroethylene	60	120 *	85 *	4 J	--	--	19 J	25000 *
Vinyl Chloride	10	--	--	--	--	--	--	--

Location ID	Most Stringent Preliminary Soil Screening Criteria (UG/KG)	EIP-GP82	EIP-GP83	GP22	GP24	GP24	GP25	GP26
Field Sample ID		EIP-GP82-02	EIP-GP83-01	GP22 (14-14)	GP24 (15-15)	GP24 (37-37)	GP25 (27-27)	GP26 (21-21)
Sample Date		12/22/2003	12/22/2003	5/23/2002	5/17/2002	5/17/2002	5/21/2002	5/21/2002
Depth Interval		9.5- 10.5	5.5- 6.5	14- 14	15- 15	37- 37	27- 27	21- 21
Chemical Name (ug/kg)	Criteria (UG/KG)							
1,1,1-Trichloroethane	2000	--	--	--	4 J	--	620 J	--
1,1-Dichloroethene	60	--	--	--	--	--	--	--
Carbon Tetrachloride	70	--	--	--	--	--	--	--
Tetrachloroethene	60	--	--	100 J *	6 J	--	580 J *	--
Trans-1,2-Dichloroethene	700	--	--	--	--	--	--	--
Trichloroethylene	60	9500 J *	35000 *	840 *	970 *	490 J *	10000 *	1000 *
Vinyl Chloride	10	--	--	--	--	--	--	--

**Table 2-7**  
**Chlorinated Solvent Detections in Soil Exceeding Preliminary Screening Criteria**  
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Location ID	Most Stringent Preliminary Soil Screening Criteria (UG/KG)	GP26	GP27	GP28	GP31	GP41	GP41	GP52
Field Sample ID		GP26 (27-27)	GP27 (13-13)	GP28 (7-8)	GP31 (8-8)	GP41 (14-14)	GP41 (4-4)	GP52 (12-12)
Sample Date		5/21/2002	5/22/2002	5/1/2002	5/2/2002	6/10/2002	6/10/2002	6/20/2002
Depth Interval		27- 27	13- 13	7- 8	8- 8	14- 14	4- 4	12- 12
Chemical Name (ug/kg)	Criteria (UG/KG)							
1,1,1-Trichloroethane	2000	--	--	--	--	--	--	--
1,1-Dichloroethene	60	--	--	--	--	--	--	--
Carbon Tetrachloride	70	--	--	--	--	--	--	--
Tetrachloroethene	60	400 J *		180 J *	4500 J *	66000 *	120000 *	2300 J *
Trans-1,2-Dichloroethene	700	--	--	--	--	--	--	--
Trichloroethylene	60	990 *	4100 *	4 J	130 J *		130 J *	500000 *
Vinyl Chloride	10	--	--	--	--	--	--	--

Location ID	Most Stringent Preliminary Soil Screening Criteria (UG/KG)	GP52	GP53	GP8	GP8	GP9	OV-3	OV-6
Field Sample ID		GP52 (7.5-7.5)	GP53 (9.5-9.5)	GP8 (16-16)	GP8 (23-23)	GP9 (35-35)	OV-3 (40-42)	OV-6 (16-18)
Sample Date		6/20/2002	6/21/2002	6/12/2002	6/12/2002	6/13/2002	5/8/2002	4/29/2002
Depth Interval		7.5- 7.5	9.5- 9.5	16- 16	23- 23	35- 35	40- 42	16- 18
Chemical Name (ug/kg)	Criteria (UG/KG)							
1,1,1-Trichloroethane	2000	--	19000 J *	--	--	--	--	--
1,1-Dichloroethene	60	26	480 J *	--	--	--	--	--
Carbon Tetrachloride	70	--	--	--	--	--	--	--
Tetrachloroethene	60	1300 J *	--	1000 *	9500 *	170 *	63 *	6000 *
Trans-1,2-Dichloroethene	700	910 *	--	--	--	--	--	--
Trichloroethylene	60	220000 *	140 J *	--	--	--	--	--
Vinyl Chloride	10	--	--	--	--	--	--	--

**Table 2-7**  
**Chlorinated Solvent Detections in Soil Exceeding Preliminary Screening Criteria**  
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Location ID	Most Stringent Preliminary Soil Screening Criteria (UG/KG)	OV-8	OV-8	OV-8	SB-20	SB-20	SB-20	SB-20
Field Sample ID		OV-8(15-17.5)	OV-8(15-22.5)	OV-8(17.5-20)	SB-20 (18-20)	SB-20 (18-20)DL1	SB-20 (20-22)	SB-20 (20-22)DL1
Sample Date		5/23/2002	5/23/2002	5/23/2002	6/6/2002	6/6/2002	6/6/2002	6/6/2002
Depth Interval		15- 17.5	15- 22.5	17.5- 20	18- 20	18- 20	20- 22	20- 22
Chemical Name (ug/kg)	Criteria (UG/KG)							
1,1,1-Trichloroethane	2000	29	--	8.7	92	88	8.9	--
1,1-Dichloroethene	60	--	--	--	--	--	--	--
Carbon Tetrachloride	70	--	--	--	--	--	--	--
Tetrachloroethene	60	9.2	910 *	25	39	51	10	--
Trans-1,2-Dichloroethene	700	--	--	--	--	--	--	--
Trichloroethylene	60	660 *	17000 *	800 *	1300 *	1700 *	310 *	190 *
Vinyl Chloride	10	--	--	--	--	--	--	--

Location ID	Most Stringent Preliminary Soil Screening Criteria (UG/KG)	SB-21	SB-5	SB-7	SB-8	SB-8	SB-9	X-100
Field Sample ID		SB-21 (10-12)	SB-5 (40-42)	SB-7 (18-20)	SB-8 (34-36)	SB-8 (8-10)	SB-9 (36-38)	X-10
Sample Date		6/6/2002	5/16/2002	5/15/2002	5/13/2002	5/13/2002	5/14/2002	5/20/2002
Depth Interval		10- 12	40- 42	18- 20	34- 36	8- 10	36- 38	1- 1
Chemical Name (ug/kg)	Criteria (UG/KG)							
1,1,1-Trichloroethane	2000	--	--	25	--	--	--	--
1,1-Dichloroethene	60	--	--	--	--	--	--	--
Carbon Tetrachloride	70	--	--	--	--	--	--	--
Tetrachloroethene	60	6.6	--	4.1	--	210 *	--	72 J *
Trans-1,2-Dichloroethene	700	--	--	--	--	--	--	--
Trichloroethylene	60	110 *	230 *	99 *	230 *	150 *	200 *	230 *
Vinyl Chloride	10	--	--	--	--	--	--	--

**Table 2-8**  
**Summary of Groundwater Samples**  
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<b>Location ID</b>	<b>Sample ID</b>	<b>Sample Date</b>	<b>Upper Depth of Groundwater Sample</b>	<b>Lower Depth of Groundwater Sample</b>	<b>Depth Unit</b>	<b>Aquifer</b>
BD-1	BD-1 (I)	6/13/2002	27	37	FT	INTERMEDIATE
BD-1	BD-1 (D)	6/12/2002	60	70	FT	BEDROCK
BD-2	BD-2 (I)	6/12/2002	30	40	FT	INTERMEDIATE
BD-2	BD (2)	6/12/2002	67	77	FT	BEDROCK
BD-2	BD (2) DUP	6/12/2002	67	77	FT	BEDROCK
BD-3	BD-3	5/24/2002	30	35	FT	INTERMEDIATE
BD-4	BD-4 (I)	6/18/2002	47	57	FT	INTERMEDIATE
BD-4	BD-4 (D)	6/18/2002	71	81	FT	BEDROCK
BD-5	BD-5 (I)	6/11/2002	37	47	FT	INTERMEDIATE
BD-5	BD-5 (D)	6/18/2002	54	64	FT	BEDROCK
BD-6	BD-6 (I)	6/12/2002	45	50	FT	INTERMEDIATE
BD-6	BD-6 (D)	6/12/2002	64	74	FT	BEDROCK
BD-7	BD-7 (I)	6/18/2002	36	46	FT	INTERMEDIATE
BD-7	BD-7 (D)	6/18/2002	60	70	FT	BEDROCK
BD-8	BD-8 (I)	6/10/2002	35	45	FT	INTERMEDIATE
BD-8	BD-8 (D)	6/10/2002	68.5	78.5	FT	BEDROCK
BD-12	BD-12 (D)	6/19/2002	78	88	FT	BEDROCK
BD-13	BD-13 (D)	6/19/2002	79	89	FT	BEDROCK
BD-14	BD-14 (I)	6/20/2002	42	47	FT	INTERMEDIATE
BD-14	BD-14 (D)	6/18/2002	73	83	FT	BEDROCK
BD-15	BD-15 (I)	5/6/2002	36	46	FT	INTERMEDIATE
BD-16	BD-16 (D)	6/19/2002	74	84	FT	BEDROCK
BD-17	BD-17 (D)	6/20/2002	81	91	FT	BEDROCK
BD-18	BD-18 (D)	6/20/2002	81	91	FT	BEDROCK

**Table 2-8**  
**Summary of Groundwater Samples**  
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<b>Location ID</b>	<b>Sample ID</b>	<b>Sample Date</b>	<b>Upper Depth of Groundwater Sample</b>	<b>Lower Depth of Groundwater Sample</b>	<b>Depth Unit</b>	<b>Aquifer</b>
CP-3	IEPA_CP03	10/18/2001	39.3	59.3	FT	INTERMEDIATE
CP-5	IEPA_CP05	10/18/2001	14.5	34.5	FT	SHALLOW
CP-7	IEPA_CP07 (64-65)	10/18/2001	63.6	65.4	FT	INTERMEDIATE
CP-7	IEPA_CP07 (73-75)	10/18/2001	72.9	74.7	FT	INTERMEDIATE
CP-11	IEPA_CP11	10/24/2001	39.1	69.1	FT	INTERMEDIATE
CP-18	IEPA_CP18	10/24/2001	30.6	50.6	FT	INTERMEDIATE
CP-25	IEPA_CP25	10/11/2001	17	42	FT	SHALLOW
CP-29	IEPA_CP29	10/10/2001	10	35	FT	SHALLOW
CP-30	IEPA_CP30	10/11/2001	12.5	32.5	FT	SHALLOW
CP-31	IEPA_CP31	10/10/2001	12.5	32.5	FT	SHALLOW
CP-32	IEPA_CP32	10/10/2001	12.5	32.5	FT	SHALLOW
CP-33	IEPA_CP33S	10/9/2001	12.5	32.5	FT	SHALLOW
CP-33	IEPA_CP33D	10/9/2001	36.5	61.5	FT	INTERMEDIATE
CP-34	IEPA_CP34	10/5/2001	14	34	FT	SHALLOW
CP-35	IEPA_CP35	10/5/2001	13	33	FT	SHALLOW
CP-37	IEPA_CP37S	10/9/2001	15.7	35.7	FT	SHALLOW
CPT-44	CPT-44 (36-37)	2/26/2002	36	37	FT	INTERMEDIATE
CPT-46	CPT-46 (44-45)	2/26/2002	44	45	FT	INTERMEDIATE
CPT-48	CPT-48 (31.5-32.5)	2/15/2002	31.5	32.5	FT	INTERMEDIATE
CPT-50	CPT-50 (43-46)	2/22/2002	43	46	FT	INTERMEDIATE
CPT-51	CPT-51 (36-37)	2/15/2002	36	37	FT	INTERMEDIATE
CPT-52	CPT-52 (37-42)	2/18/2002	37	42	FT	INTERMEDIATE
CPT-53	CPT-53 (34-35)	2/15/2002	34	35	FT	INTERMEDIATE
CPT-58	CPT-58 (61-66)	2/21/2002	61	66	FT	INTERMEDIATE

**Table 2-8**  
**Summary of Groundwater Samples**  
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<b>Location ID</b>	<b>Sample ID</b>	<b>Sample Date</b>	<b>Upper Depth of Groundwater Sample</b>	<b>Lower Depth of Groundwater Sample</b>	<b>Depth Unit</b>	<b>Aquifer</b>
CPT-63	CPT-63 (33-34)	2/13/2002	33	34	FT	INTERMEDIATE
CPT-63	CPT-63 (45-49)	2/13/2002	45	49	FT	INTERMEDIATE
CPT-63	CPT-63 (45-49)DUP	2/13/2002	45	49	FT	INTERMEDIATE
CPT-64	CPT-64 (22.5-24.5)	2/22/2002	22.5	24.5	FT	SHALLOW
CPT-64	CPT-64 (36-41)	2/22/2002	36	41	FT	INTERMEDIATE
CPT-65	CPT-65 (12-13)	2/22/2002	12	13	FT	SHALLOW
CPT-65	CPT-65 (46-48)	2/22/2002	46	48	FT	INTERMEDIATE
CPT-65	CPT-65 (46-48)DUP	2/21/2002	46	48	FT	INTERMEDIATE
CPT-66	CPT-66 (15-16)	2/22/2002	15	16	FT	SHALLOW
CPT-66	CPT-66 (49-50)	2/22/2002	49	50	FT	INTERMEDIATE
CPT-75	CPT-75 (30-31)	2/14/2002	30	31	FT	INTERMEDIATE
CPT-75	CPT-75 (43-45)	2/14/2002	43	45	FT	INTERMEDIATE
CPT-79	CPT-79 (32-35)	2/22/2002	32	35	FT	INTERMEDIATE
CPT-79	CPT-79 (42-44)	2/22/2002	42	44	FT	INTERMEDIATE
EIP-1	EIP-1 (G101)	2/12/2002	38	42	FT	INTERMEDIATE
EIP-2	EIP-2 (G102)	2/13/2002	6	10	FT	SHALLOW
EIP-3	EIP-3 (G103)	2/13/2002	11	15	FT	SHALLOW
EIP-5	EIP-5 (G105)	2/14/2002	36	40	FT	INTERMEDIATE
EIP-5	EIP-5 FD (G155)	2/14/2002	36	40	FT	INTERMEDIATE
EIP-6	EIP-6 (G106)	2/19/2002	30	34	FT	INTERMEDIATE
EIP-9	EIP-9 (G109)	2/20/2002	35	39	FT	INTERMEDIATE
EIP-GP100	EIP-GPW100-01	4/8/2004	15	25	FT	SHALLOW
EIP-GP101	EIP-GPW101-01	4/8/2004	20	30	FT	SHALLOW
EIP-GP102	EIP-GPW102-01	4/7/2004	20	30	FT	SHALLOW

**Table 2-8**  
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<b>Location ID</b>	<b>Sample ID</b>	<b>Sample Date</b>	<b>Upper Depth of Groundwater Sample</b>	<b>Lower Depth of Groundwater Sample</b>	<b>Depth Unit</b>	<b>Aquifer</b>
EIP-GP60	EIP-GPW60-01	1/27/2004	20	30	FT	SHALLOW
EIP-GP61	EIP-GPW61-01	1/14/2004	20	30	FT	SHALLOW
EIP-GP62	EIP-GPW62-01	1/23/2004	15	25	FT	SHALLOW
EIP-GP63	EIP-GPW63-01	1/9/2004	20	30	FT	SHALLOW
EIP-GP64	EIP-GPW64-01	1/14/2004	15	25	FT	SHALLOW
EIP-GP65	EIP-GPW65-01	1/14/2004	20	30	FT	SHALLOW
EIP-GP66	EIP-GPW66-01	1/9/2004	20	30	FT	SHALLOW
EIP-GP66	EIP-GPW66-01DUP	1/9/2004	20	30	FT	SHALLOW
EIP-GP76	EIP-GPW76-01	4/28/2004	15	25	FT	SHALLOW
EIP-GP77	EIP-GPW77-01	4/28/2004	7	17	FT	SHALLOW
EIP-GP78	EIP-GPW78-01	4/28/2004	7	17	FT	SHALLOW
EIP-GP79	EIP-GPW79-01	4/28/2004	10	20	FT	SHALLOW
EIP-GP79	EIP-GPW79-01DUP	4/28/2004	10	20	FT	SHALLOW
EIP-GP82	EIP-GPW82-01	12/23/2003	28	28	FT	SHALLOW
EIP-GP83	EIP-GPW83-01	12/23/2003	28	28	FT	SHALLOW
EIP-GP85	EIP-GPW85-01	12/23/2003	28	28	FT	SHALLOW
EIP-GP85	EIP-GPW85-01DUP	12/23/2003	28	28	FT	SHALLOW
EIP-GP86	EIP-GPW86-01	12/23/2003	28	28	FT	SHALLOW
EIP-GP95	EIP-GPW95-01	1/15/2004	14.2	14.2	FT	SHALLOW
EIP-GP97	EIP-GPW97-01	1/16/2004	17.6	17.6	FT	SHALLOW
EIP-GP98	EIP-GPW98-01	1/16/2004	21.3	21.3	FT	SHALLOW
EIP-GP99	EIP-GPW99-01	1/16/2004	29.5	29.5	FT	SHALLOW
EIP-GP102	EIP-GPW102-01DUP	4/7/2004	20	30	FT	SHALLOW
EIP-GP103	EIP-GPW103-01	4/8/2004	12	22	FT	SHALLOW

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**Table 2-8**  
**Summary of Groundwater Samples**  
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<b>Location ID</b>	<b>Sample ID</b>	<b>Sample Date</b>	<b>Upper Depth of Groundwater Sample</b>	<b>Lower Depth of Groundwater Sample</b>	<b>Depth Unit</b>	<b>Aquifer</b>
EIP-GP105	EIP-GPW105-01	4/6/2004	20	30	FT	SHALLOW
EIP-GP106	EIP-GPW106-01	4/5/2004	17	24	FT	SHALLOW
EIP-GP115	EIP-GPW115-01	12/15/2003	26	26	FT	SHALLOW
EIP-GP125	EIP-GPW125-01	4/27/2004	10	20	FT	SHALLOW
EIP-GP127	EIP-GPW127-01	4/27/2004	7	17	FT	SHALLOW
EIP-GP128	EIP-GPW128-01	4/26/2004	7	17	FT	SHALLOW
EIP-GP129	EIP-GPW129-01	4/27/2004	10	20	FT	SHALLOW
EIP-GP130	EIP-GPW130-01	4/27/2004	10	20	FT	SHALLOW
EIP-GP133	EIP-GPW133-01	12/2/2003	16	16	FT	SHALLOW
EIP-GP134	EIP-GPW134-01	4/7/2004	16	26	FT	SHALLOW
EIP-GP135	EIP-GPW135-01	1/12/2004	10	20	FT	SHALLOW
EIP-GP135	EIP-GPW135-02	1/12/2004	20	30	FT	SHALLOW
EIP-GP137	EIP-GPW137-01	1/13/2004	10	20	FT	SHALLOW
EIP-GP138	EIP-GPW138-01	1/13/2004	10	20	FT	SHALLOW
EIP-GP138	EIP-GPW138-01DUP	1/13/2004	10	20	FT	SHALLOW
EIP-GP139	EIP-GPW139-01	1/12/2004	10	20	FT	SHALLOW
EIP-GP140	EIP-GPW140-01	1/13/2004	20	30	FT	SHALLOW
EIP-GP153	EIP-GPW153-01	1/12/2004	20	30	FT	SHALLOW
EIP-GP156	EIP-GPW156-01	1/9/2004	26	30	FT	SHALLOW
EIP-GP157	EIP-GPW157-01	1/8/2004	20	30	FT	SHALLOW
EIP-GP160	EIP-GPW160-01	1/9/2004	20	30	FT	SHALLOW
EIP-GP161	EIP-GPW161-01	4/29/2004	10	20	FT	SHALLOW
EIP-GP161	EIP-GPW161-01DUP	4/29/2004	10	20	FT	SHALLOW
EIP-GP164	EIP-GPW164-01	4/29/2004	15	25	FT	SHALLOW

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**Table 2-8**  
**Summary of Groundwater Samples**  
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<b>Location ID</b>	<b>Sample ID</b>	<b>Sample Date</b>	<b>Upper Depth of Groundwater Sample</b>	<b>Lower Depth of Groundwater Sample</b>	<b>Depth Unit</b>	<b>Aquifer</b>
EIP-GP165	EIP-GPW165-01	4/29/2004	5	15	FT	SHALLOW
EIP-GP172	EIP-GPW172-01	4/15/2004	10	10	FT	SHALLOW
EIP-GP173	EIP-GPW173-01	4/15/2004	10	10	FT	SHALLOW
EIP-GP175	EIP-GPW175-01	4/15/2004	10	10	FT	SHALLOW
EIP-GP177	EIP-GPW177-01	4/14/2004	5	5	FT	SHALLOW
EIP-GP177	EIP-GPW177-01DUP	4/14/2004	5	5	FT	SHALLOW
EIP-GP178	EIP-GPW178-01	4/9/2004	7	17	FT	SHALLOW
EIP-GP179	EIP-GPW179-01	4/9/2004	12	22	FT	SHALLOW
EIP-GP180	EIP-GPW180-01	4/9/2004	12	22	FT	SHALLOW
EIP-GP181	EIP-GPW181-01	4/9/2004	20	30	FT	SHALLOW
EIP-GP187	EIP-GPW187-01	1/23/2004	10	20	FT	SHALLOW
EIP-GP188	EIP-GPW188-01	1/23/2004	15	25	FT	SHALLOW
EIP-GP189	EIP-GPW189-01	1/23/2004	9	19	FT	SHALLOW
EIP-GP190	EIP-GPW190-01	1/23/2004	10	20	FT	SHALLOW
EIP-GP191	EIP-GPW191-01	1/23/2004	10	20	FT	SHALLOW
EIP-GP191	EIP-GPW191-01DUP	1/23/2004	10	20	FT	SHALLOW
EIP-GP194	EIP-GPW194-01	12/9/2003	26	26	FT	SHALLOW
EIP-GP206	EIP-GPW206-01	1/12/2004	10	20	FT	SHALLOW
EIP-GP207	EIP-GPW207-01	1/27/2004	20	30	FT	SHALLOW
GP1	GP1	6/20/2002	36	40	FT	INTERMEDIATE
GP5	GP5	6/12/2002	48	52	FT	INTERMEDIATE
GP13	GP13	5/14/2002	40	44	FT	INTERMEDIATE
GP15	GP15	5/13/2002	45	49	FT	INTERMEDIATE
GP16	GP16	5/15/2002	10	10	FT	SHALLOW

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**Table 2-8**  
**Summary of Groundwater Samples**  
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<b>Location ID</b>	<b>Sample ID</b>	<b>Sample Date</b>	<b>Upper Depth of Groundwater Sample</b>	<b>Lower Depth of Groundwater Sample</b>	<b>Depth Unit</b>	<b>Aquifer</b>
GP18	GP18	5/16/2002	52	56	FT	INTERMEDIATE
GP20	GP20	5/9/2002	47	51	FT	INTERMEDIATE
GP21	GP21	5/9/2002	48	52	FT	INTERMEDIATE
GP22	GP22	5/23/2002	24	28	FT	SHALLOW
GP24	GP24	5/17/2002	36	40	FT	INTERMEDIATE
GP26	GP26	5/21/2002	36	40	FT	INTERMEDIATE
GP27	GP27	5/22/2002	38	42	FT	INTERMEDIATE
GP28	GP28	5/1/2002	18	22	FT	SHALLOW
GP36	GP36	5/14/2002	16	20	FT	SHALLOW
IW-1	IRRIGATION WELL	6/13/2002	100	100	FT	BEDROCK
LD-1	LD-1	5/9/2002	54	64	FT	INTERMEDIATE
MW-1	MW-01(S)AVR	1/1/2001	20	30	FT	SHALLOW
MW-2	MW-02(S)	5/9/2002	11	21	FT	SHALLOW
MW-3	MW-3	5/8/2002	17	27	FT	SHALLOW
MW-3	MW-3DL1	5/8/2002	17	27	FT	SHALLOW
MW-4	MW-04(S)	5/8/2002	27	37	FT	SHALLOW
MW-6	MW-06(S)	5/8/2002	13	23	FT	SHALLOW
MW-8	MW-8	5/8/2002	18	28	FT	SHALLOW
MW-1601	MW-1601S	1/1/2001	52	62	FT	BEDROCK
MW-M1	MW-M1	5/9/2002	20	20	FT	SHALLOW
MW-M2	MW-M2	5/9/2002	20	20	FT	SHALLOW
MW-M3	MW-M3	5/9/2002	20	20	FT	SHALLOW
OV-1	OV-1	6/13/2002	48	53	FT	INTERMEDIATE
OV-2	OV-2	6/13/2002	54	64	FT	INTERMEDIATE

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**Table 2-8**  
**Summary of Groundwater Samples**  
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<b>Location ID</b>	<b>Sample ID</b>	<b>Sample Date</b>	<b>Upper Depth of Groundwater Sample</b>	<b>Lower Depth of Groundwater Sample</b>	<b>Depth Unit</b>	<b>Aquifer</b>
OV-3	OV-3 (I)	6/19/2002	40	45	FT	INTERMEDIATE
OV-4	OV-4	6/10/2002	48	58	FT	INTERMEDIATE
OV-5	OV-5	6/10/2002	43	48	FT	INTERMEDIATE
OV-6	OV-6	5/24/2002	40	50	FT	INTERMEDIATE
OV-7	OV-7	6/10/2002	36	46	FT	INTERMEDIATE
OV-8	OV-8 (I)	6/20/2002	30	40	FT	INTERMEDIATE
OV-9	OV-9 (I)	6/12/2002	32	42	FT	INTERMEDIATE
PW-10	PW-10	5/14/2002	100	100	FT	BEDROCK
PW-10	PW-10DP	5/14/2002	100	100	FT	BEDROCK
SB-3	SB-3 (I)	6/18/2002	44	54	FT	INTERMEDIATE
SB-3	SB-3 (D)	6/18/2002	64	74	FT	BEDROCK
SB-9	SB-9 (50)	5/14/2002	50	50	FT	INTERMEDIATE
SB-11	SB-11 (I)	5/28/2002	49	54	FT	INTERMEDIATE
SB-12	SB-12 (18)	6/1/2002	18	18	FT	SHALLOW
SB-15	SB-15 (I)	6/20/2002	32	38	FT	INTERMEDIATE
SB-17	SB-17 (I)	6/19/2002	35	45	FT	INTERMEDIATE
SB-17	SB-17 (I)DUP	6/19/2002	35	45	FT	INTERMEDIATE

**Table 2-9**  
**Summary of Groundwater Sample Detections - Shallow Groundwater**  
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Location ID	CPT-64	EIP-3	EIP-GP100	EIP-GP101	EIP-GP105	EIP-GP115	EIP-GP125
Field Sample ID	CPT-64 (22.5-24.5)	EIP-3 (G103)	EIP-GPW100-01	EIP-GPW101-01	EIP-GPW105-01	EIP-GPW115-01	EIP-GPW125-01
Sample Date	2/22/2002	2/13/2002	4/8/2004	4/8/2004	4/6/2004	12/15/2003	4/27/2004
Depth Interval	22.5- 24.5	11- 15	15- 25	20- 30	20- 30	26- 26	10- 20
<b>Chemical Name (ug/l)</b>							
1,1,1-Trichloroethane	--	0.4 J	0.26 J	--	2.2	0.76	30
1,1-Dichloroethane	--	0.7 J	0.33 J	0.23 J	--	0.69	2
1,1-Dichloroethene	--	--	--	--	--	--	--
1,2-Dichloroethane	--	--	--	--	--	--	--
Carbon Tetrachloride	--	--	--	--	0.23 J	--	2.8
Cis-1,2-Dichloroethene	--	--	--	--	--	--	--
Tetrachloroethene	0.76 J	--	--	--	0.41 J	--	--
Trans-1,2-Dichloroethene	--	--	--	--	--	--	--
Trichloroethylene	--	--	--	--	--	--	0.29 J
Vinyl Chloride	--	--	--	--	--	--	--

Location ID	EIP-GP127	EIP-GP128	EIP-GP129	EIP-GP130	EIP-GP137	EIP-GP138	EIP-GP138
Field Sample ID	EIP-GPW127-01	EIP-GPW128-01	EIP-GPW129-01	EIP-GPW130-01	EIP-GPW137-01	EIP-GPW138-01	EIP-GPW138-01DUP
Sample Date	4/27/2004	4/26/2004	4/27/2004	4/27/2004	1/13/2004	1/13/2004	1/13/2004
Depth Interval	7- 17	7- 17	10- 20	10- 20	10- 20	10- 20	10- 20
<b>Chemical Name (ug/l)</b>							
1,1,1-Trichloroethane	100 J	1200	620 J	360	230	--	--
1,1-Dichloroethane	18 J	370	64 J	180	32	--	--
1,1-Dichloroethene	3.6 J	42 J	--	19	8.9	--	--
1,2-Dichloroethane	--	0.88	--	--	--	--	--
Carbon Tetrachloride	8.5 J	--	--	--	18	--	--
Cis-1,2-Dichloroethene	--	--	0.28 J	0.93 J	200	--	--
Tetrachloroethene	--	--	--	--	340	18	17
Trans-1,2-Dichloroethene	--	--	--	--	2.9	--	--
Trichloroethylene	--	19	0.26 J	0.22 J	210	--	0.16 J
Vinyl Chloride	--	--	--	--	--	--	--

**Table 2-9**  
**Summary of Groundwater Sample Detections - Shallow Groundwater**  
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<b>Location ID</b>	EIP-GP140	EIP-GP153	EIP-GP156	EIP-GP160	EIP-GP175	EIP-GP187	EIP-GP188
<b>Field Sample ID</b>	EIP-GPW140-01	EIP-GPW153-01	EIP-GPW156-01	EIP-GPW160-01	EIP-GPW175-01	EIP-GPW187-01	EIP-GPW188-01
<b>Sample Date</b>	1/13/2004	1/12/2004	1/9/2004	1/9/2004	4/15/2004	1/23/2004	1/23/2004
<b>Depth Interval</b>	20- 30	20- 30	26- 30	20- 30	10- 10	10- 20	15- 25
<b>Chemical Name (ug/l)</b>							
1,1,1-Trichloroethane	13	0.22 J	0.39 J	5.1	--	18 J	0.73 J
1,1-Dichloroethane	2.7	--	--	--	1.3	2	--
1,1-Dichloroethene	--	--	--	--	--	--	--
1,2-Dichloroethane	--	--	--	--	--	--	--
Carbon Tetrachloride	1.2	--	--	0.47 J	--	--	--
Cis-1,2-Dichloroethene	6.1	--	--	--	0.77	0.21 J	
Tetrachloroethene	8.4	--	--	--	--	--	--
Trans-1,2-Dichloroethene	0.29 J	--	--	--	--	--	--
Trichloroethylene	1.7	--	--	--	--	1.4	--
Vinyl Chloride	--	--	--	--	--	--	--

<b>Location ID</b>	EIP-GP190	EIP-GP191	EIP-GP191	EIP-GP206	EIP-GP60	EIP-GP77	EIP-GP79
<b>Field Sample ID</b>	EIP-GPW190-01	EIP-GPW191-01	EIP-GPW191-01DUP	EIP-GPW206-01	EIP-GPW60-01	EIP-GPW77-01	EIP-GPW79-01
<b>Sample Date</b>	1/23/2004	1/23/2004	1/23/2004	1/12/2004	1/27/2004	4/28/2004	4/28/2004
<b>Depth Interval</b>	10- 20	10- 20	10- 20	10- 20	20- 30	7- 17	10- 20
<b>Chemical Name (ug/l)</b>							
1,1,1-Trichloroethane	0.16 J	0.92 J	0.98 J	1.5	--	0.37 J	0.39 J
1,1-Dichloroethane	2	0.87	0.95	0.62	--	7.8 J	6.7 J
1,1-Dichloroethene	--	--	--	--	--	--	--
1,2-Dichloroethane	--	--	--	--	--	--	--
Carbon Tetrachloride	--	--	--	--	--	--	--
Cis-1,2-Dichloroethene		0.043 J	--	1.1	6.7	--	--
Tetrachloroethene	--	--	--	0.92	1.9	--	--
Trans-1,2-Dichloroethene	--	--	--	--	0.1 J	--	--
Trichloroethylene	--	0.32 J	0.29 J	0.33 J	130 J	--	--
Vinyl Chloride	--	--	--	--	--	--	--

**Table 2-9**  
**Summary of Groundwater Sample Detections - Shallow Groundwater**  
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<b>Location ID</b>	EIP-GP79	EIP-GP82	EIP-GP83	GP22	GP28
<b>Field Sample ID</b>	EIP-GPW79-01DUP	EIP-GPW82-01	EIP-GPW83-01	GP22	GP28
<b>Sample Date</b>	4/28/2004	12/23/2003	12/23/2003	5/23/2002	5/1/2002
<b>Depth Interval</b>	10- 20	28- 28	28- 28	24- 28	18- 22
<b>Chemical Name (ug/l)</b>					
1,1,1-Trichloroethane	0.43 J	--	--	--	0.3 J
1,1-Dichloroethane	9.1 J	--	--	--	0.3 J
1,1-Dichloroethene	--	--	--	--	--
1,2-Dichloroethane	--	--	--	--	--
Carbon Tetrachloride	--	--	--	--	--
Cis-1,2-Dichloroethene	--	--	--	--	28 J
Tetrachloroethene	--	--	--	--	1
Trans-1,2-Dichloroethene	--	--	--	--	2
Trichloroethylene	--	31	5.6	0.6 J	0.6
Vinyl Chloride	--	--	--	--	2

<b>Location ID</b>	MW-3	MW-3	MW-8	SB-12
<b>Field Sample ID</b>	MW-3	MW-3DL1	MW-8	SB-12 (18)
<b>Sample Date</b>	5/8/2002	5/8/2002	5/8/2002	6/1/2002
<b>Depth Interval</b>	17- 27	17- 27	18- 28	18- 18
<b>Chemical Name (ug/l)</b>				
1,1,1-Trichloroethane	20	18	11	--
1,1-Dichloroethane	2	--	1.4	--
1,1-Dichloroethene	--	--	--	--
1,2-Dichloroethane	--	--	--	--
Carbon Tetrachloride	--	--	--	--
Cis-1,2-Dichloroethene	6.9	--	4.7	1.3
Tetrachloroethene	150	110	42	--
Trans-1,2-Dichloroethene	--	--	--	--
Trichloroethylene	6.1	5.5	2.8	--
Vinyl Chloride	--	--	--	--

**Table 2-10**  
**Summary of Groundwater Sample Detections - Intermediate Groundwater**  
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<b>Location ID</b>	BD-1	BD-2	BD-4	BD-5	BD-7	BD-8	CPT-44	CPT-50
<b>Field Sample ID</b>	BD-1 (1)	BD-2 (1)	BD-4 (1)	BD-5 (1)	BD-7 (1)	BD-8 (1)	CPT-44 (36-37)	CPT-50 (43-46)
<b>Sample Date</b>	6/13/2002	6/12/2002	6/18/2002	6/11/2002	6/18/2002	6/10/2002	2/26/2002	2/22/2002
<b>Depth Interval</b>	27- 37	30- 40	47- 57	37- 47	36- 46	35- 45	36- 37	43- 46
<b>Chemical Name (ug/l)</b>								
1,1,1-Trichloroethane	1.3		1.2	2	0.59	0.88	0.77 J	--
1,1-Dichloroethane	--	--	--	--	--	--	--	0.62 J
1,1-Dichloroethene	--	--	--	--	--	--	--	--
1,2-Dichloroethane	--	--	--	--	--	--	--	--
Cis-1,2-Dichloroethene	--	--	--	--	--	--	--	59.1
Tetrachloroethene	--	2.1	0.53	0.79	--	0.8	--	2.7
Trans-1,2-Dichloroethene	--	--	--	--	--	--	--	3.4
Trichloroethylene	--	--	9.2	13	5.9	0.63	1.4	218

<b>Location ID</b>	CPT-51	CPT-53	CPT-79	CPT-79	EIP-1	EIP-5	EIP-5	EIP-6
<b>Field Sample ID</b>	CPT-51 (36-37)	CPT-53 (34-35)	CPT-79 (32-35)	CPT-79 (42-44)	EIP-1 (G101)	EIP-5 (G105)	EIP-5 FD (G155)	EIP-6 (G106)
<b>Sample Date</b>	2/15/2002	2/15/2002	2/22/2002	2/22/2002	2/12/2002	2/14/2002	2/14/2002	2/19/2002
<b>Depth Interval</b>	36- 37	34- 35	32- 35	42- 44	38- 42	36- 40	36- 40	30- 34
<b>Chemical Name (ug/l)</b>								
1,1,1-Trichloroethane	1.6	9.4	--	1.4	0.2 J	--	--	--
1,1-Dichloroethane	--	3.3	--	--	--	--	--	--
1,1-Dichloroethene	--	--	--	--	--	--	--	--
1,2-Dichloroethane	--	--	--	--	--	--	--	--
Cis-1,2-Dichloroethene	--	--	--	--	--	--	--	--
Tetrachloroethene	22.4	2.7	7.5	1.7	--	0.3 J	0.3 J	0.5 J
Trans-1,2-Dichloroethene	--	--	--	--	--	--	--	--
Trichloroethylene	12.6	.81	--	--	--	--	--	--

**Table 2-10**  
**Summary of Groundwater Sample Detections - Intermediate Groundwater**  
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<b>Location ID</b>	EIP-9	GP1	GP15	GP20	GP21	GP24	GP26	GP27	GP5	LD-1	OV-1
<b>Field Sample ID</b>	EIP-9 (G109)	GP1	GP15	GP20	GP21	GP24	GP26	GP27	GP5	LD-1	OV-1
<b>Sample Date</b>	2/20/2002	6/20/2002	5/13/2002	5/9/2002	5/9/2002	5/17/2002	5/21/2002	5/22/2002	6/12/2002	5/9/2002	6/13/2002
<b>Depth Interval</b>	35- 39	36- 40	45- 49	47- 51	48- 52	36- 40	36- 40	38- 42	48- 52	54- 64	48- 53
<b>Chemical Name (ug/l)</b>											
1,1,1-Trichloroethane	0.8	--	--	--	--	9	--	10 J	--	--	--
1,1-Dichloroethane	--	--	--	--	--	--	--	1 J	--	--	--
1,1-Dichloroethene	--	--	--	--	--	0.5	--	0.2 J	--	--	--
1,2-Dichloroethane	2	--	--	--	--	--	--	--	--	--	--
Cis-1,2-Dichloroethene		4	1 J	2	24	--	--	0.2 J	--	--	1.3
Tetrachloroethene	0.6 J	0.9	--	--	--	--	--	0.6 J	--	--	38
Trans-1,2-Dichloroethene	--	--	--	--	0.6	--	--	--	--	--	--
Trichloroethylene	6	11	--	--	0.5 J	130	1 J	190 J	0.8	3.1	37

<b>Location ID</b>	OV-2	OV-3	OV-5	OV-7	OV-8	SB-11	SB-17	SB-17	SB-3	SB-9
<b>Field Sample ID</b>	OV-2	OV-3 (I)	OV-5	OV-7	OV-8 (I)	SB-11 (I)	SB-17 (I)	SB-17 (I)DUP	SB-3 (I)	SB-9 (50)
<b>Sample Date</b>	6/13/2002	6/19/2002	6/10/2002	6/10/2002	6/20/2002	5/28/2002	6/19/2002	6/19/2002	6/18/2002	5/14/2002
<b>Depth Interval</b>	54- 64	40- 45	43- 48	36- 46	30- 40	49- 54	35- 45	35- 45	44- 54	50- 50
<b>Chemical Name (ug/l)</b>										
1,1,1-Trichloroethane	--	0.84	51	--	--	2.8	2.3	2.2	1.1	--
1,1-Dichloroethane	--	--	0.53	--	--	0.58 J	--	--	--	--
1,1-Dichloroethene	--	--	--	--	--	--	--	--	--	--
1,2-Dichloroethane	--	--	--	--	--	--	--	--	--	--
Cis-1,2-Dichloroethene	2.7	--	--	2.6	--	--	--	--	--	--
Tetrachloroethene	--	29	1.2	2.8	--	1.4	--	--	2.6	--
Trans-1,2-Dichloroethene	--	--	--	--	--	--	--	--	--	--
Trichloroethylene	4.9	1.5	58	18	4	1.8	--	--	2.3	1



**Table 2-11**  
**Summary of Groundwater Sample Detections - Bedrock Groundwater**  
**Preliminary Planning Report**  
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**Downers Grove, Illinois**

<b>Location ID</b>	BD-14	BD-16	BD-17	BD-2	BD-2	BD-5	CP-7	MW-1601	SB-3
<b>Field Sample ID</b>	BD-14 (D)	BD-16 (D)	BD-17 (D)	BD (2)	BD (2) DUP	BD-5 (D)	IEPA_CP07 (73-75)	MW-1601S	SB-3 (D)
<b>Sample Date</b>	6/18/2002	6/19/2002	6/20/2002	6/12/2002	6/12/2002	6/18/2002	10/18/2001	1/1/2001	6/18/2002
<b>Depth Interval</b>	73- 83	74- 84	81- 91	67- 77	67- 77	54- 64	72.9- 74.7	52- 62	64- 74
<b>Chemical Name (ug/l)</b>									
1,1,1-Trichloroethane	--	1.3	--	--	0.55	--	--	--	--
Cis-1,2-Dichloroethene	--	--	3.2	--	--	--	--	--	2.6
Tetrachloroethene	12	0.69	0.96	13	13	--	--	--	--
Trichloroethylene	1.7	40	13	0.63	--	0.56	5	6	1.2

**Table 2-12**  
**Preliminary Screening Criteria - Groundwater**  
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**Ellsworth Industrial Park**  
**Downers Grove, Illinois**

CAS No.	CHEMICAL NAME	TACO Class I GW <sup>a</sup> (mg/L)	U.S. EPA MCLs <sup>b</sup> (mg/L)	R9 Tap Water <sup>c</sup> (mg/L)	Most Stringent <sup>d</sup> (mg/L)	Most Stringent (ug/L)
630-20-6	1,1,1,2-Tetrachloroethane	--	--	4.324E-04	4.324E-04	0.43
71-55-6	1,1,1-Trichloroethane	0.2	0.2	3.172E+00	2.000E-01	200
79-34-5	1,1,2,2-Tetrachloroethane	--	--	5.534E-05	5.534E-05	0.055
79-00-5	1,1,2-Trichloroethane	0.005	0.005	1.995E-04	1.995E-04	0.200
75-34-3	1,1-Dichloroethane	0.7	--	8.111E-01	7.000E-01	700
75-35-4	1,1-Dichloroethene	0.007	0.007	3.388E-01	7.000E-03	7
96-18-4	1,2,3-Trichloropropane	--	--	5.603E-06	5.603E-06	0.005603
120-82-1	1,2,4-Trichlorobenzene	0.07	0.07	7.157E-03	7.157E-03	7
95-63-6	1,2,4-Trimethylbenzene	--	--	1.233E-02	1.233E-02	12
96-12-8	1,2-Dibromo-3-Chloropropane	0.0002	0.0002	4.761E-05	4.761E-05	0.048
106-93-4	1,2-Dibromoethane	0.00005	0.00005	5.600E-06	5.600E-06	0.0056
95-50-1	1,2-Dichlorobenzene	0.6	0.6	3.701E-01	3.701E-01	370
107-06-2	1,2-Dichloroethane	0.005	0.005	1.231E-04	1.231E-04	0.123
78-87-5	1,2-Dichloropropane	0.005	0.005	1.648E-04	1.648E-04	0.165
108-67-8	1,3,5-Trimethylbenzene	--	--	1.233E-02	1.233E-02	12
541-73-1	1,3-Dichlorobenzene	--	--	1.825E-01	1.825E-01	183
142-28-9	1,3-Dichloropropane	--	--	1.217E-01	1.217E-01	122
106-46-7	1,4-Dichlorobenzene	0.075	0.075	5.018E-04	5.018E-04	0.5018
95-95-4	2,4,5-Trichlorophenol	0.7	--	3.650E+00	7.000E-01	700
88-06-2	2,4,6-Trichlorophenol	0.01	--	3.650E-03	3.650E-03	3.65
120-83-2	2,4-Dichlorophenol	0.021	--	1.095E-01	2.100E-02	21
105-67-9	2,4-Dimethylphenol	0.14	--	7.300E-01	1.400E-01	140
51-28-5	2,4-Dinitrophenol	0.014	--	7.300E-02	1.400E-02	14
121-14-2	2,4-Dinitrotoluene	0.00002	--	7.300E-02	2.000E-05	0.02
606-20-2	2,6-Dinitrotoluene	0.00031	--	3.650E-02	3.100E-04	0.31
95-57-8	2-Chlorophenol	0.035	--	3.042E-02	3.042E-02	30
95-48-7	2-Methylphenol	0.35	--	1.825E+00	3.500E-01	350
88-74-4	2-Nitroaniline	--	--	1.095E-01	1.095E-01	109
91-94-1	3,3-Dichlorobenzidine	0.02	--	1.494E-04	1.494E-04	0.149
99-09-2	3-Nitroaniline	--	--	3.202E-03	3.202E-03	3.202
534-52-1	4,6-Dinitro-O-Cresol	--	--	3.650E-03	3.650E-03	3.65
106-47-8	4-Chloroaniline	0.028	--	1.460E-01	2.800E-02	28
106-44-5	4-Methylphenol	--	--	1.825E-01	1.825E-01	182
100-01-6	4-Nitroaniline	--	--	3.202E-03	3.202E-03	3.2
83-32-9	Acenaphthene	0.42	--	3.650E-01	3.650E-01	365
67-64-1	Acetone	0.7	--	5.475E+00	7.000E-01	700
107-02-8	Acrolein	--	--	4.162E-05	4.162E-05	0.042
107-13-1	Acrylonitrile	--	--	3.886E-05	3.886E-05	0.039
120-12-7	Anthracene	2.1	--	1.825E+00	1.825E+00	1825
71-43-2	Benzene	0.005	0.005	3.539E-04	3.539E-04	0.354
56-55-3	Benzo(A)Anthracene	0.00013	--	9.210E-05	9.210E-05	0.092
50-32-8	Benzo(A)Pyrene	0.0002	0.0002	9.210E-06	9.210E-06	0.009
205-99-2	Benzo(B)Fluoranthene	0.00018	--	9.210E-05	9.210E-05	0.092
207-08-9	Benzo(K)Fluoranthene	0.00017	--	9.210E-04	1.700E-04	0.17
65-85-0	Benzoic Acid	28	--	1.460E+02	2.800E+01	28000
100-51-6	Benzyl Alcohol	--	--	1.095E+01	1.095E+01	10950
91-58-7	Beta-Chloronaphthalene	--	--	4.867E-01	4.867E-01	487
108-60-1	Bis(2-Chloro-1-Methylethyl)Ether	--	--	2.744E-04	2.744E-04	0.274
111-44-4	Bis(2-Chloroethyl)Ether	0.01	--	1.019E-05	1.019E-05	0.010
108-60-1	Bis(2-Chloroisopropyl)Ether	--	--	2.744E-04	2.744E-04	0.274
117-81-7	Bis(2-Ethylhexyl)Phthalate	0.006	0.006	4.802E-03	4.802E-03	4.80
108-86-1	Bromobenzene	--	--	2.030E-02	2.030E-02	20
75-27-4	Bromodichloromethane	0.0002	--	1.807E-04	1.807E-04	0.181
74-83-9	Bromomethane	0.0098	--	8.661E-03	8.661E-03	8.66

**Table 2-12**  
**Preliminary Screening Criteria - Groundwater**  
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**Ellsworth Industrial Park**  
**Downers Grove, Illinois**

CAS No.	CHEMICAL NAME	TACO Class I GW <sup>a</sup> (mg/L)	U.S. EPA MCLs <sup>b</sup> (mg/L)	R9 Tap Water <sup>c</sup> (mg/L)	Most Stringent <sup>d</sup> (mg/L)	Most Stringent (ug/L)
85-68-7	Butylbenzylphthalate	1.4	--	7.300E+00	1.400E+00	1400
86-74-8	Carbazole	--	--	3.362E-03	3.362E-03	3.36
75-15-0	Carbon Disulfide	0.7	--	1.043E+00	7.000E-01	700
56-23-5	Carbon Tetrachloride	0.005	0.005	1.713E-04	1.713E-04	0.1713
108-90-7	Chlorobenzene	0.1	0.1	1.061E-01	1.000E-01	100
75-00-3	Chloroethane	--	--	4.637E-03	4.637E-03	4.64
67-66-3	Chloroform	0.0002	--	1.660E-04	1.660E-04	0.166
74-87-3	Chloromethane (Methyl Chloride)	--	--	1.582E-01	1.582E-01	158
218-01-9	Chrysene	0.0015	--	9.210E-03	1.500E-03	1.5
156-59-2	Cis-1,2-Dichloroethene	0.07	0.07	6.083E-02	6.083E-02	61
98-82-8	Cumene (Isopropylbenzene)	--	--	6.582E-01	6.582E-01	658
110-82-7	Cyclohexane	--	--	1.034E+01	1.034E+01	10342
53-70-3	Dibenzo(A,H)Anthracene	0.0003	--	9.210E-06	9.210E-06	0.0092
132-64-9	Dibenzofuran	--	--	1.217E-02	1.217E-02	12.2
124-48-1	Dibromochloromethane	0.14	--	1.334E-04	1.334E-04	0.133
75-71-8	Dichlorodifluoromethane	--	--	3.946E-01	3.946E-01	395
84-66-2	Diethylphthalate	5.6	--	2.920E+01	5.600E+00	5600
131-11-3	Dimethyl Phthalate	--	--	3.649E+02	3.649E+02	364867
84-74-2	Di-N-Butylphthalate	0.7	--	3.650E+00	7.000E-01	700
117-84-0	Di-N-Octylphthalate	0.14	--	1.460E+00	1.400E-01	140
75-00-3	Ethyl Chloride	--	--	4.637E-03	4.637E-03	4.64
100-41-4	Ethylbenzene	0.7	0.7	1.340E+00	7.000E-01	700
206-44-0	Fluoranthene	0.28	--	1.460E+00	2.800E-01	280
86-73-7	Fluorene	0.28	--	2.433E-01	2.433E-01	243
76-13-1	Freon 113	--	--	5.918E+01	5.918E+01	59180
118-74-1	Hexachlorobenzene	0.00006	0.001	4.202E-05	4.202E-05	0.042
87-68-3	Hexachlorobutadiene	--	--	8.619E-04	8.619E-04	0.862
77-47-4	Hexachlorocyclopentadiene	0.05	0.05	2.190E-01	5.000E-02	50
67-72-1	Hexachloroethane	0.007	--	4.802E-03	4.802E-03	5
193-39-5	Indeno(1,2,3-C,D)Pyrene	0.00043	--	9.210E-05	9.210E-05	0.092
78-59-1	Isopharane	1.4	--	7.077E-02	7.077E-02	71
79-20-9	Methyl Acetate	--	--	6.083E+00	6.083E+00	6083
78-93-3	Methyl Ethyl Ketone (2-Butanone)	--	--	6.968E+00	6.968E+00	6968
108-10-1	Methyl Isobutyl Ketone	--	--	1.993E+00	1.993E+00	1993
1634-04-4	Methyl Tert-Butyl Ether	0.07	--	1.100E-02	1.100E-02	11
108-87-2	Methylcyclohexane	--	--	5.217E+00	5.217E+00	5217
74-95-3	Methylene Bromide	--	--	6.083E-02	6.083E-02	61
75-09-2	Methylene Chloride	0.005	0.005	4.276E-03	4.276E-03	4.28
91-20-3	Naphthalene	0.14	--	6.203E-03	6.203E-03	6.20
104-51-8	N-Butylbenzene	--	--	2.433E-01	2.433E-01	243
98-95-3	Nitrobenzene	0.0035	--	3.395E-03	3.395E-03	3.40
62-75-9	N-Nitrosodimethylamine	--	--	1.318E-06	1.318E-06	0.0013
86-30-6	N-Nitrosodiphenylamine	0.0032	--	1.372E-02	3.200E-03	3.2
621-64-7	N-Nitroso-Di-N-Propylamine	0.0018	--	9.605E-06	9.605E-06	0.0096
103-65-1	N-Propylbenzene	--	--	2.433E-01	2.433E-01	243
95-49-8	O-Chlorotoluene	--	--	1.217E-01	1.217E-01	122
87-86-5	Pentachlorophenol	0.001	0.001	5.603E-04	5.603E-04	0.560
108-95-2	Phenol	0.1	--	1.095E+01	1.000E-01	100
129-00-0	Pyrene	0.21	--	1.825E-01	1.825E-01	182.5
100-42-5	Styrene	0.1	0.1	1.641E+00	1.000E-01	100
98-06-6	Tert-Butylbenzene	--	--	2.433E-01	2.433E-01	243
127-18-4	Tetrachloroethene	0.005	0.005	1.042E-04	1.042E-04	0.104
108-88-3	Toluene	1	1	7.234E-01	7.234E-01	723

**Table 2-12**  
**Preliminary Screening Criteria - Groundwater**  
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**Downers Grove, Illinois**

CAS No.	CHEMICAL NAME	TACO Class I GW <sup>a</sup> (mg/L)	U.S. EPA MCLs <sup>b</sup> (mg/L)	R9 Tap Water <sup>c</sup> (mg/L)	Most Stringent <sup>d</sup> (mg/L)	Most Stringent (ug/L)
156-60-5	Trans-1,2-Dichloroethene	0.1	0.1	1.217E-01	1.000E-01	100
75-25-2	Tribromomethane	0.001	--	8.510E-03	1.000E-03	1
79-01-6	Trichloroethylene	0.005	0.005	2.802E-05	2.802E-05	0.028
75-69-4	Trichlorofluoromethane	--	--	1.288E+00	1.288E+00	1288
108-05-4	Vinyl Acetate	7	--	4.124E-01	4.124E-01	412
75-01-4	Vinyl Chloride	0.002	0.002	1.979E-05	1.979E-05	0.020
1330-20-7	Xylenes (Total)	10	10	2.057E-01	2.057E-01	206

Notes:

-- indicates that criteria for that chemical is not available.

Highlighted cells within the comparison criteria indicate that the highlighted criteria was used as the Most Stringent (see note d).

<sup>a</sup> Comparison criteria derived from 35 Illinois Administrative Code 742, Tiered Approach to Corrective Action Objectives, Appendix B Table E - Tier 1 Groundwater Remediation Objectives for the Groundwater Component of the Groundwater Ingestion Route.

<sup>b</sup> Comparison criteria derived from United States Environmental Protection Agency (U.S. EPA) National Primary Drinking Water Regulations - Maximum Contaminant Levels (MCLs).

<sup>c</sup> Comparison criteria derived from U.S. EPA Region 9 (R9) Preliminary Remediation Goals: Direct Contact Exposure Pathway - Tap Water.

<sup>d</sup> Most Stringent is lowest value from the previous three criteria.

**Table 2-13**  
**Chlorinated Solvent Detections in Groundwater Exceeding Preliminary Screening Criteria - Shallow Groundwater**  
**Preliminary Planning Report**  
**Ellsworth Industrial Park**  
**Downers Grove, Illinois**

Location ID	Most Stringent Preliminary Groundwater Screening Criteria (UG/L)	CPT-64	EIP-GP105	EIP-GP125	EIP-GP127	EIP-GP128	EIP-GP129
Field Sample ID		CPT-64 (22.5-24.5)	EIP-GPW105-01	EIP-GPW125-01	EIP-GPW127-01	EIP-GPW128-01	EIP-GPW129-01
Sample Date		2/22/2002	4/6/2004	4/27/2004	4/27/2004	4/26/2004	4/27/2004
Depth Interval		22.5- 24.5	20- 30	10- 20	7- 17	7- 17	10- 20
Chemical Name (ug/l)							
1,1,1-Trichloroethane	200	--	2.2	30	100 J	1200 *	620 J *
1,1-Dichloroethene	7	--	--	--	3.6 J	42 J *	--
1,2-Dichloroethane	0.123	--	--	--	--	0.88 *	--
Carbon Tetrachloride	0.171	--	0.23 J *	2.8 *	8.5 J *	--	--
Cis-1,2-Dichloroethene	60.8	--	--	--	--	4.1	0.28 J
Tetrachloroethene	0.104	0.76 J *	0.41 J *	--	--	--	--
Trichloroethylene	0.028	--	--	0.29 J *	--	19 *	0.26 J *
Vinyl Chloride	0.0198	--	--	--	--	--	--

Location ID	Most Stringent Preliminary Groundwater Screening Criteria (UG/L)	EIP-GP130	EIP-GP137	EIP-GP138	EIP-GP138	EIP-GP140	EIP-GP160
Field Sample ID		EIP-GPW130-01	EIP-GPW137-01	EIP-GPW138-01	EIP-GPW138-01DUP	EIP-GPW140-01	EIP-GPW160-01
Sample Date		4/27/2004	1/13/2004	1/13/2004	1/13/2004	1/13/2004	1/9/2004
Depth Interval		10- 20	10- 20	10- 20	10- 20	20- 30	20- 30
Chemical Name (ug/l)							
1,1,1-Trichloroethane	200	360 *	230 *	--	--	13	5.1
1,1-Dichloroethene	7	19 *	8.9 *	--	--	--	--
1,2-Dichloroethane	0.123	--	--	--	--	--	--
Carbon Tetrachloride	0.171	--	18 *	--	--	1.2 *	0.47 J *
Cis-1,2-Dichloroethene	60.8	0.93 J	200 *	--	--	6.1	--
Tetrachloroethene	0.104	--	340 *	18 *	17 *	8.4 *	--
Trichloroethylene	0.028	0.22 J *	210 *	--	0.16 J *	1.7 *	--
Vinyl Chloride	0.0198	--	--	--	--	--	--

**Table 2-13**  
**Chlorinated Solvent Detections in Groundwater Exceeding Preliminary Screening Criteria - Shallow Groundwater**  
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Location ID	Most Stringent	EIP-GP187	EIP-GP191	EIP-GP191	EIP-GP206	EIP-GP60	EIP-GP82
Field Sample ID	Preliminary	EIP-GPW187-01	EIP-GPW191-01	EIP-GPW191-01DUP	EIP-GPW206-01	EIP-GPW60-01	EIP-GPW82-01
Sample Date	Groundwater	1/23/2004	1/23/2004	1/23/2004	1/12/2004	1/27/2004	12/23/2003
Depth Interval	Screening Criteria	10- 20	10- 20	10- 20	10- 20	20- 30	28- 28
Chemical Name (ug/l)	(UG/L)						
1,1,1-Trichloroethane	200	18 J	0.92 J	0.98 J	1.5	--	--
1,1-Dichloroethene	7	--	--	--	--	--	--
1,2-Dichloroethane	0.123	--	--	--	--	--	--
Carbon Tetrachloride	0.171	--	--	--	--	--	--
Cis-1,2-Dichloroethene	60.8	0.21 J	0.043 J	--	1.1	6.7	--
Tetrachloroethene	0.104	--	--	--	0.92 *	1.9 *	--
Trichloroethylene	0.028	1.4 *	0.32 J *	0.29 J *	0.33 J *	130 J *	31 *
Vinyl Chloride	0.0198	--	--	--	--	--	--

Location ID	Most Stringent	EIP-GP83	GP22	GP28	MW-3	MW-3	MW-8
Field Sample ID	Preliminary	EIP-GPW83-01	GP22	GP28	MW-3	MW-3DL1	MW-8
Sample Date	Groundwater	12/23/2003	5/23/2002	5/1/2002	5/8/2002	5/8/2002	5/8/2002
Depth Interval	Screening Criteria	28- 28	24- 28	18- 22	17- 27	17- 27	18- 28
Chemical Name (ug/l)	(UG/L)						
1,1,1-Trichloroethane	200	--	--	0.3 J	20	18	11
1,1-Dichloroethene	7	--	--	--	--	--	--
1,2-Dichloroethane	0.123	--	--	--	--	--	--
Carbon Tetrachloride	0.171	--	--	--	--	--	--
Cis-1,2-Dichloroethene	60.8	--	--	28 J	6.9	--	4.7
Tetrachloroethene	0.104	--	--	1 *	150 *	110 *	42 *
Trichloroethylene	0.028	5.6 *	0.6 J *	0.6 *	6.1 *	5.5 *	2.8 *
Vinyl Chloride	0.0198	--	--	2 *	--	--	--

**Table 2-14**  
**Chlorinated Solvent Detections in Groundwater Exceeding Preliminary Screening Criteria - Intermediate Groundwater**  
**Preliminary Planning Report**  
**Ellsworth Industrial Park**  
**Downers Grove, Illinois**

Location ID	Most Stringent	BD-2	BD-4	BD-5	BD-7	BD-8	CPT-44	CPT-50	EIP-9
Field Sample ID	Preliminary	BD-2 (I)	BD-4 (I)	BD-5 (I)	BD-7 (I)	BD-8 (I)	CPT-44 (36-37)	CPT-50 (43-46)	EIP-9 (G109)
Sample Date	Groundwater	6/12/2002	6/18/2002	6/11/2002	6/18/2002	6/10/2002	2/26/2002	2/22/2002	2/20/2002
Depth Interval	Screening Criteria	30- 40	47- 57	37- 47	36- 46	35- 45	36- 37	43- 46	35- 39
Chemical Name (ug/l)	(UG/L)								
1,2-Dichloroethane	0.123	--	--	--	--	--	--	--	2 *
Tetrachloroethene	0.104	2.1 *	0.53 *	0.79 *		0.8 *	--	2.7 *	0.6 J *
Trichloroethylene	0.028	--	9.2 *	13 *	5.9 *	0.63 *	1.4 *	218 *	6 *

Location ID	Most Stringent	GP1	GP21	GP24	GP26	GP27	GP5	LD-1	OV-1
Field Sample ID	Preliminary	GP1	GP21	GP24	GP26	GP27	GP5	LD-1	OV-1
Sample Date	Groundwater	6/20/2002	5/9/2002	5/17/2002	5/21/2002	5/22/2002	6/12/2002	5/9/2002	6/13/2002
Depth Interval	Screening Criteria	36- 40	48- 52	36- 40	36- 40	38- 42	48- 52	54- 64	48- 53
Chemical Name (ug/l)	(UG/L)								
1,2-Dichloroethane	0.123	--	--	--	--	--	--	--	--
Tetrachloroethene	0.104	0.9 *	--	--	--	0.6 J *	--	--	38 *
Trichloroethylene	0.028	11 *	0.5 J *	130 *	1 J *	190 J *	0.8 *	3.1 *	37 *

Location ID	Most Stringent	CPT-51	CPT-53	CPT-79	CPT-79	EIP-5	EIP-5	EIP-6	OV-2
Field Sample ID	Preliminary	CPT-51 (36-37)	CPT-53 (34-35)	CPT-79 (32-35)	CPT-79 (42-44)	EIP-5 (G105)	EIP-5 FD (G155)	EIP-6 (G106)	OV-2
Sample Date	Groundwater	2/15/2002	2/15/2002	2/22/2002	2/22/2002	2/14/2002	2/14/2002	2/19/2002	6/13/2002
Depth Interval	Screening Criteria	36- 37	34- 35	32- 35	42- 44	36- 40	36- 40	30- 34	54- 64
Chemical Name (ug/l)	(UG/L)								
1,2-Dichloroethane	0.123	--	--	--	--	--	--	--	--
Tetrachloroethene	0.104	22.4 *	2.7 *	7.5 *	1.7 *	0.3 J *	0.3 J *	0.5 J *	--
Trichloroethylene	0.028	12.6 *	.81 *	--	--	--	--	--	4.9 *

Location ID	Most Stringent	OV-3	OV-5	OV-7	OV-8	SB-11	SB-3	SB-9
Field Sample ID	Preliminary	OV-3 (I)	OV-5	OV-7	OV-8 (I)	SB-11 (I)	SB-3 (I)	SB-9 (50)
Sample Date	Groundwater	6/19/2002	6/10/2002	6/10/2002	6/20/2002	5/28/2002	6/18/2002	5/14/2002
Depth Interval	Screening Criteria	40- 45	43- 48	36- 46	30- 40	49- 54	44- 54	50- 50
Chemical Name (ug/l)	(UG/L)							
1,2-Dichloroethane	0.123	--	--	--	--	--	--	--
Tetrachloroethene	0.104	29 *	1.2 *	2.8 *	--	1.4 *	2.6 *	--
Trichloroethylene	0.028	1.5 *	58 *	18 *	4 *	1.8 *	2.3 *	1 *

**Table 2-15**  
**Chlorinated Solvent Detections in Groundwater Exceeding Preliminary Screening Criteria - Bedrock Groundwater**  
**Preliminary Planning Report**  
**Ellsworth Industrial Park**  
**Downers Grove, Illinois**

Location ID Field Sample ID Sample Date Depth Interval Chemical Name (ug/l)	Most Stringent Preliminary Groundwater Screening Criteria (UG/L)	BD-14 BD-14 (D) 6/18/2002 73- 83	BD-16 BD-16 (D) 6/19/2002 74- 84	BD-17 BD-17 (D) 6/20/2002 81- 91	BD-2 BD (2) 6/12/2002 67- 77	BD-2 BD (2) DUP 6/12/2002 67- 77	BD-5 BD-5 (D) 6/18/2002 54- 64	CP-7 IEPA_CP07 (73-75) 10/18/2001 72.9- 74.7	MW-1601 MW-1601S 1/1/2001 52- 62	SB-3 SB-3 (D) 6/18/2002 64- 74
Tetrachloroethene	0.104	12 *	0.69 *	0.96 *	13 *	13 *	--	--	--	--
Trichloroethylene	0.028	1.7 *	40 *	13 *	0.63 *	--	0.56 *	5 *	6 *	1.2 *



**Table 3-1**  
**Summary of Data Gaps - Vertical Extent of Contamination in Soil**  
**Preliminary Planning Report**  
**Ellsworth Industrial Park**  
**Downers Grove, Illinois**

<b>Property Address</b>	<b>Soil Boring Location</b>	<b>Contaminants Requiring Vertical Delineation</b>	<b>Depth Requiring Vertical Delineation (ft bgs)</b>
2250 South Curtiss Street	BD-7	TCE	0-20
2301 Curtiss Street	GP-22	PCE/TCE	>14
2250 South Curtiss Street	GP-24	TCE	>37
2250 South Curtiss Street	GP-25	PCE/TCE	>27
2250 South Curtiss Street	GP-26	PCE/TCE	>27
2525 Curtiss Street	GP-28	PCE	>8
2525 Curtiss Street	GP-31	PCE/TCE	>8
2525 Curtiss Street	GP-41	PCE	>14
5400 Janes Avenue	GP-52	PCE/TCE	>12
5200 Katrine Avenue	GP-53	TCA/TCE	>9.5
2400 Curtiss Street	GP-8	PCE	>23
2400 Curtiss Street	GP-9	PCE	>35
2250 South Curtiss Street	OV-8	TCE	>22.5
2250 South Curtiss Street	SB-20	TCE	>22
2324 Curtiss Street	SB-5	TCE	>42
2250 South Curtiss Street	SB-7	TCE	>20
2250 South Curtiss Street	SB-8	TCE	>36
2250 South Curtiss Street	X-100	PCE/TCE	>1

Note:

The depth requiring delineation is either listed as a depth range, or as ">X" which indicates that vertical delineation is required at depths greater than X.

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**Table 6-1  
Potential Remedial Technologies for Sediment and Soil  
Preliminary Planning Report  
Ellsworth Industrial Park  
Downers Grove, Illinois**

General Remedial Action	Remedial Technology Type	Technology Process Options	Technology Description
Institutional Controls	Deed Restriction	Land Use and Limit Future Excavations	Potentially applicable with most alternatives.
	Access Restriction	Fencing	Potentially applicable with most alternatives.
Containment	Capping	Asphalt, concrete, low permeability soil, or impermeable membrane.	Could be used as a barrier to prevent direct contact, ingestion, inhalation to soil contamination and can significantly reduce the migration of constituents to groundwater.
	Bottom Sealing	Grout Injection/Block Displacement	Technology experimental. Involves displacement of a block of contaminated soil by grout injection underneath.
Collection	Excavation	Excavation	Excavation of shallow localized contaminated soil or sediment is implementable in areas that are away from structures. Could be used in combination with <i>ex situ</i> treatment or disposal options.
Treatment	<i>In situ</i> : Biological Processes	Bioremediation	The activity of naturally occurring microbes is allowed to degrade contaminants. May be effective for some VOCs and SVOCs. Not effective for metals.
		Enhanced Bioremediation	The activity of naturally occurring microbes is enhanced to assist degradation of contaminants. May be effective for some VOCs and SVOCs. Not effective for metals.
		Bioventing	Oxygen is delivered to soil by forced air movement to stimulate aerobic biodegradation of organic contaminants. May be effective for some VOCs and SVOCs. Not applicable to sediment because of shallow depth and high moisture content.
		Phytoremediation	Involves using plants to remove, transfer, stabilize, and destroy contaminants in soil and sediment. Typically only effective for shallow surface soil; treatment depth is limited by plant root depth.
	<i>In situ</i> : Physical/ Chemical Processes	Electrokinetic Separation	Involves using electrochemical and electrokinetic processes to desorb, and then remove metals and polar organics. Technology has not been implemented on a full scale. Most effective with metals and polar organics, also most effective in low permeability soils.
		Chemical Stabilization/ Solidification	Involves injecting or mixing in place chemical compounds into contaminated soil, which render contaminants insoluble or bind contaminants chemically to soil matrix. Includes addition of oxidizing/reducing agents that chemically convert contaminants to compounds that are less toxic, more stable, less mobile, and/or inert. This is a proven and reliable technology at numerous sites. Effective for metals. Not effective for VOCs.
		Chemical Oxidation	Involves chemical conversion of hazardous contaminants into non-hazardous or less toxic compounds that are more stable, less mobile, and/or inert. Generally use ozone, hydrogen peroxide, hypochlorites, chlorine, and chlorine dioxide as oxidizing agents.
		Fracturing	Involves cracking low permeability and over-consolidated sediments to open new passageways that increase the effectiveness of many in-situ processes and enhance extraction efficiencies. May open new pathways for contamination to migrate.
		Soil Flushing/Extraction	Involves injection of an aqueous fluid into contaminated soil, causing mobilization of sorbed contaminants. The solution is then extracted for treatment and recirculated. May be difficult to capture all of the injected solution. In addition, a variety of flushing solutions may be needed to flush different metals. Not effective for VOCs and SVOCs.
		Soil Vapor Extraction	Involves vacuum extraction of volatile organic compounds from unsaturated zone. This is a proven and reliable technology at numerous sites. Effective for VOCs. Not effective for metals. Not applicable to sediment because of shallow depth and high moisture content.

**Table 6-1  
Potential Remedial Technologies for Sediment and Soil  
Preliminary Planning Report  
Ellsworth Industrial Park  
Downers Grove, Illinois**

General Remedial Action	Remedial Technology Type	Technology Process Options	Technology Description
Treatment (Continued)	<i>In situ</i> : Thermal Processes	Vitrification	Involves the conversion of contaminated soil into molten glass and a crystalline structure with very low leaching characteristics. This is a very energy-intensive process. Applicable for metals. This technology has
		Thermally Enhanced Soil Vapor Extraction	Involves using steam/hot-air or electric/radio frequency heating to increase the mobility of semi-volatiles and facilitate extraction. Not effective for metals. Not applicable to sediment because of shallow depth and high moisture content.
	<i>In situ</i> : Natural Attenuation	Natural Attenuation	Allows natural subsurface processes (such as dilution, volatilization, biodegradation, adsorption, and chemical reactions with subsurface materials) to reduce concentrations of contaminants to acceptable levels.
	<i>Ex situ</i> : Biological Processes	Slurry Phase Biological Treatment	Involves the controlled treatment of excavated soil or sediment in a bioreactor. Sizing of materials prior to putting them in a reactor and dewatering of soil fines after treatment may be difficult. Management of nonrecycled wastewater is also required.
		Controlled Solid Phase Biological Treatment	Processes include prepared treatment beds, biotreatment cells, soil piles, land farming and composting, where soil is mixed with soil amendments to enhance biodegradation of organic contaminants. Not effective for metals.
	<i>Ex situ</i> : Physical/Chemical Processes	Soil Washing	The soil washing process extracts contaminants from soil, sediment, or fill material using a liquid medium such as water or a surfactant. Soil fines may need additional management. Not effective for VOCs.
		Dehalogenation	Contaminated soils are mixed with a reagent and heated in a vessel to dehalogenate halogenated aromatic compounds. The target contaminant groups are PCBs.
		Solvent Extraction	Waste and solvent are mixed in an extractor, dissolving the organic contaminants into the solvent. Traces of solvent may remain in the soil matrix. After extraction, the solvent requires management. Not effective for metals.
		Stabilization/Solidification	Similar to in-situ stabilization except the soil or sediment is excavated and mixed with stabilizing agents within a pugmill type system.
		Chemical Reduction/Oxidation	Incomplete oxidation or formation of intermediate compounds may occur. Humus content in the soils may interfere. Target contaminants are inorganics.
	<i>Ex situ</i> : Thermal Processes	High-Temperature Thermal Desorption	Wastes are heated to high temperatures (600°-1,000°F) to volatilize water and organic contaminants. The target contaminants are semi-volatiles. Not effective for metals.
		Low-Temperature Thermal Desorption	Uses direct or indirect heat exchange (200°-600°F) to vaporize organic contaminants. Effective for VOCs. Not effective for metals.
		Incineration	High temperatures are used to volatilize and combust organic contaminants. Primarily used for hazardous wastes or wastes contaminated with explosives. Not effective for metals.
		Pyrolysis	Chemical decomposition is induced in organic materials by heat in the absence of oxygen. The target contaminant groups are semi-volatiles and pesticides. Not effective for metals. Limited performance data available on the technology.
Disposal	On-Site Disposal	On-Site Disposal of Treated Material	Treated soil would be placed back into the excavations which would be within the limits of a Area of Contamination (AOC) unit.
		On-site Disposal Cell	An on-site disposal cell suitable for disposal of all waste material is constructed. The cell would consist of a bottom liner, a low permeability cover, a frost protection layer, and a vegetative layer. Requires adequate size of land to construct cell.
	Off-Site Disposal	Off-site Landfill	Transport waste material to an off-site disposal facility. Transportation problems unavoidable. Soil may require disposal as hazardous waste.

**Table 6-2**  
**Potential Remedial Technologies for Surface Water and Groundwater**  
**Preliminary Planning Report**  
**Ellsworth Industrial Park**  
**Downers Grove, Illinois**

General Remedial Action	Remedial Technology Type	Technology Process Options	Technology Description
Institutional Controls	Monitoring	Surface Water/Groundwater Monitoring	Applicable with most alternatives. As a stand-alone alternative, applicable to low mobility contaminants or contaminants susceptible to natural degradation.
	Use Restriction	Use Restriction	Applicable with most alternatives. Not often used as a stand-alone alternative.
	Alternate Water Supply	Alternate Water Supply	Used as a method of pathway elimination. Private residential wells could be replaced by city/municipal wells.
Containment	Vertical Barriers	Slurry Wall	Soil/bentonite slurry placed in trench to control flow of contaminated groundwater. Required long-term maintenance and monitoring. Applicable for shallow contamination.
		Slurry Columns	Bentonite mixed into soil with specialized auger equipment. Overlapping borings are drilled in a row to create a barrier. Requires long-term maintenance and monitoring.
		Sealable Sheet Piling	This option is known as the Waterloo Barrier. Uses interlocking joints to form a seal with conventional sheet piling technology. Applicable for shallow contamination.
	Hydraulic Barriers	Pumping Well System	Extraction wells are used to intercept contaminated groundwater. Management of extracted groundwater is needed.
		Trench Collection System	Subsurface trenches are used to intercept and extract contaminated groundwater. Applicable for shallow contamination. Management of extracted groundwater is needed.
Collection	Vertical Systems	Pumping Well System	Extraction wells are used to capture and extract all contaminated groundwater. Management of extracted groundwater is needed.
		Well Point System	Effective only for shallow depths. Management of extracted groundwater is needed.
	Horizontal Systems	Trench Collection System	Subsurface trenches are used to intercept and extract contaminated groundwater. Difficult to implement for collecting deep groundwater. Management of extracted groundwater is needed.
		Horizontal Well System	Uses horizontal wells for collecting groundwater. Management of extracted groundwater is needed.
Treatment	<i>In Situ</i> : Physical/Chemical Processes	Chemical Oxidation	Involves chemical conversion of hazardous contaminants to non-hazardous or less toxic compounds that are more stable, less mobile, and/or inert. Common oxidizing agents are ozone, hydrogen peroxide,
		Air Sparging	Process involves forcing air into aquifer causing volatilization of VOCs. The organic vapors are then extracted from the vadose zone.
		Directional Wells	This process is used to enhance other <i>in situ</i> treatment options. Drilling techniques are used to position wells horizontally, or at an angle, to reach contaminants not accessible by direct vertical drilling.
		Dual Phase Extraction	A high vacuum system is applied to simultaneously remove groundwater and vapors from low permeability or heterogeneous formation. The extracted vapors and groundwater needs to be separated and treated.
		Passive/Reactive Treatment Walls	Subsurface vertical barriers that allow water passage while causing the degradation or removal of contaminants. Can be applicable for VOCs, SVOCs, and metals. Limited to subsurface lithology that has a continuous aquitard at a depth that is within the vertical limits of trenching equipment.

**Table 6-2**  
**Potential Remedial Technologies for Surface Water and Groundwater**  
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**Ellsworth Industrial Park**  
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General Remedial Action	Remedial Technology Type	Technology Process Options	Technology Description
Treatment (Continued)	<i>In Situ</i> : Physical/Chemical Processes (Continued)	Thermal Treatment	Involves forcing steam into an aquifer through injection wells to vaporize volatile and semivolatile contaminants. Vaporized contaminants rise to the unsaturated zone where they are removed by vacuum extraction and then treated. Not effective for metals. Energy intensive process.
		Bioslurping	Involves combining bioventing and vacuum-enhanced free product recovery. Bioventing stimulates the aerobic bioremediation of hydrocarbon-contaminated soils. Vacuum-enhanced free product recovery extracts LNAPLs from the capillary fringe and water table. Mainly for petroleum hydrocarbons and LNAPLs.
		Hydrofracturing	Pressurized water is injected to increase the permeability of consolidated material or relatively impermeable unconsolidated material. Cracks are filled with porous media that serve as substrates for bioremediation or to improve pumping efficiency.
		In-Well Air Stripping	Air is injected into a well, lifting contaminated groundwater in the well and transferring VOCs in water to air bubbles. Air bubbles are then collected by vacuum extraction. Also called "in well air stripping."
	<i>In Situ</i> : Biological Processes	Co-metabolic Processes	Involves the injection of water containing dissolved methane and oxygen into groundwater to enhance methanotrophic biological degradation. This class of micro-organisms can degrade chlorinated organics (such as TCE).
		Nitrate Enhancement	This process enhances the anaerobic biodegradation through the addition of nitrate.
		Oxygen Enhancement with Air Sparging	Air is injected under pressure below the water table to increase groundwater oxygen concentrations and enhance the rate of biological degradation of organic contaminants by naturally occurring microbes. Effective primarily for degradation of non-halogenated VOCs and SVOCs.
		Oxygen Enhancement with Hydrogen Peroxide	Oxygen enhancement with hydrogen peroxide is primarily used to biologically degrade non-halogenated VOCs and SVOCs.
		Phytoremediation	Process that uses plants to remove, transfer, stabilize, and destroy organic/inorganic contamination in groundwater and surface water. Limited to shallow applications.
	<i>In Situ</i> : Natural Attenuation	Natural Attenuation	Allows natural subsurface processes (such as dilution, volatilization, biodegradation, adsorption, and chemical reactions with subsurface materials) to reduce concentrations of constituents of concern to acceptable levels.
	<i>Ex Situ</i> : Physical/Chemical Processes	Air Stripping	Involves partitioning volatile organics from extracted groundwater by increasing the surface area of the contaminated water exposed to air. Methods include packed towers, diffused aeration, tray aeration, and spray aeration. It is not effective for inorganics and may require pretreatment to remove metals present in the surface water or groundwater.
		Steam Stripping	This process is more energy intensive than the simple air stripping process option. It is therefore more effective at recovering wastes with high concentrations of volatile and wastes with low volatility when compared to air stripping. It is not used for treatment of inorganics. Also, the influent may have to be pretreated to remove metals present in the surface water or groundwater.

**Table 6-2  
Potential Remedial Technologies for Surface Water and Groundwater  
Preliminary Planning Report  
Ellsworth Industrial Park  
Downers Grove, Illinois**

General Remedial Action	Remedial Technology Type	Technology Process Options	Technology Description
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Treatment (Continued)	<i>Ex Situ</i> : Physical/Chemical Processes (Continued)	UV/Oxidation	Involves using UV light in a destructive process that oxidizes organic constituents in water. Can be used in combination with ozone or hydrogen peroxide. This technology is primarily for organics only, particularly chlorinated hydrocarbons.
		Chemical Oxidation/Reduction	Involves using added chemicals to cause reduction or oxidation reactions within the contaminated water. This process option is primarily for aldehydes, mercaptans, phenols, benzidine, unsaturated acids and certain pesticides. In some cases, undesirable by-products may be formed as a result of oxidation/reduction.
		Liquid Phase Carbon Adsorption	Involves pumping contaminated water through a series of canisters or columns containing activated carbon to which dissolved organic contaminants adsorb. The target contaminant groups are semi-volatiles. Not cost-effective for treatment of VOCs. Pretreatment is needed to reduce fouling and plugging of carbon. May be used as a polishing step after some other treatment option.
		Ion Exchange	Involves removing ions from the aqueous phase by exchange with counter ions on the exchange medium. This process option is for the removal of metals only. High iron content will foul and plug the resin bed.
		Separation	Separation techniques concentrate contaminated water through physical and chemical means. Can include distillation, filtration, freeze crystallization, membrane pervaporation, and reverse osmosis.
		Adsorption/Absorption	Involves using a chemical reaction to form a chemical bond between the compound and the surface of a solid, thereby reducing the concentration of contaminants in the liquid phase.
	<i>Ex Situ</i> : Thermal Processes	Incineration/Thermal Oxidation	These technologies are mostly used for hazardous wastestreams containing high concentrations of organics that are readily oxidizable. Generally only used for concentrated waste streams, not contaminated groundwater.
	<i>Ex Situ</i> : Biological Processes	Constructed Wetlands	Treatment uses natural geochemical and biological processes inherent in an artificial wetland ecosystem to accumulate and remove metals, explosives, and other contaminants from influent waters. Process can involve either filtration or degradation. Not effective for VOCs and SVOCs.
		Bioreactors	Bioreactors degrade contaminants in water with microorganisms through attached or suspended biological systems. Requires close monitoring and process control.
	<i>Ex Situ</i> : Pretreatment/Post-Treatment	Precipitation/ Coagulation/ Flocculation	May be used as pretreatment to other technologies. This process transforms dissolved contaminants into insoluble solids for removal from the liquid phase by sedimentation or filtration.
		Filtration	May be used to remove suspended solids or precipitated metals as a pretreatment to other technologies.

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**Table 6-2**  
**Potential Remedial Technologies for Surface Water and Groundwater**  
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**Ellsworth Industrial Park**  
**Downers Grove, Illinois**

General Remedial Action	Remedial Technology Type	Technology Process Options	Technology Description
Treatment (Continued)	<i>Ex Situ</i> : Air Emissions/Off-Gas Treatment	Membrane Separation	Involves the preferential transport of organic vapors through a nonporous gas separation membrane. Limited in applicability by ability to handle fluctuations in VOC concentrations and fouling of the membrane.
		Biofiltration	Vapor-phase organic contaminants are pumped through a soil bed and sorb to the soil surface where they are degraded by microorganisms in the soil. Technology is highly dependent upon the biodegradability of the contaminants. Used primarily for non-halogenated VOCs and fuel hydrocarbons.
		High Energy Destruction	This process uses high-voltage electricity to destroy VOCs at room temperature. Very effective for chlorinated solvents, diesel fuel and gasoline. Technology is not in widespread use.
		Scrubbers (Water or Caustic)	Scrubbers remove air pollutants by mixing the polluted gas with a water or caustic mist. Effective for removing soluble acids, bases, and inorganic contaminants.
		Oxidation (Thermal or Catalytic)	Involves the destruction of organic contaminants at high temperatures or at lower temperatures by passing the off-gas mixture through a catalyst.
		Vapor Phase Carbon Adsorption/Filtration Media	Involves capturing organic contaminants within off-gasses by pumping through a series of canisters or columns containing activated carbon to which organic contaminants adsorb. May be applicable to treat off-gas VOCs from other groundwater treatment technologies. Established technology. Spent carbon/media may require off-site disposal or recycling.
Disposal	On-Site Disposal	Deep Well Injection	Untreated surface water or groundwater would be injected into a geologic formation that has no potential to allow migration of contaminants into potential potable water aquifers.
		Shallow Well Injection	Shallow well injection consists of wells completed in the upper portion of the aquifer for the injection of treated surface water or groundwater. Untreated groundwater could be injected within a groundwater management zone under IEPA regulations as part of a closed loop <i>in situ</i> treatment system.
		Reinfiltration	Treated water would be reinfiltrated using an infiltration gallery or a surface irrigation system.
	Off-Site Disposal	NPDES-Permitted Outfall	NPDES permit must be obtained prior to discharge to a nearby waterway.
		Off-Site Facility	Groundwater is containerized and shipped to approved facility. Applicable for small volumes.
Disposal of Treatment Residuals	Off-Site Disposal	Landfill	Residuals from treatment may be generated. May require pretreatment of residuals. Hazardous waste handling and disposal may be required.

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