TABLE 3-5
TIER 1 COMPARISON - BTEX AND PAH RESULTS FOR GREATER THAN 10 FT DEPTH
CHAMPAIGN MGP SITE
CHAMPAIGN, ILLINOIS
AMERENIP

	Tier 1 Remediation Objectives - Soil											B-814	B-816	B-818	B-822	B-822
		Ingestion			*Inhalation*		*Indoor Inhalation*		Soil Component to Groundwater	*MSA Background*	UNITS/	B814 (17.0-18.0')	B816 (19.0-21.0')	B818 (13.0-15.0')	B822 (13.0-15.0')	B822 (27.0-28.0')
CONSTITUENT	Residential	Commercial	Construction	Residential	Commercial	Construction	Residential	Commercial	(Class I)	Metropolitan Areas	DEPTH	4/1/2008 17.0-18.0	4/1/2008 19.0-21.0	4/1/2008 13.0-15.0	4/1/2008 13.0-15.0	4/1/2008 27.0-28.0
Benzene	12.0	100	2,300	0.80	1.60	2.20	0.069	0.51	0.030	--	(mg/kg)	0.002	0.0009	0.0436	0.0038	0.0025
Ethylbenzene	7,800	200,000	20,000	400	400	58.0	130.0	130.0	13.0	--	(mg/kg)	<0.0062	<0.0042	0.205	0.0026	0.0032
Toluene	16,000	410,000	410,000	650	650	42.0	240.0	240.0	12.0	--	(mg/kg)	0.0025	0.0011	0.042	0.0032	0.0025
Xylene (total)	16,000	410,000	41,000	410	320	5.6	63.0	100.0	150.0	--	(mg/kg)	0.0017	<0.0042	0.972	0.0049	0.002
Acenaphthene	4,700	120,000	120,000	-----	-----	-----	-----	-----	570.0	0.130	(mg/kg)	<0.004	<0.004	1.75	<0.004	<0.004
Acenaphthylene	2,300(1)	61,000 (1)	61,000 (1)	-----	-----	-----	-----	-----	24.0(1)	0.070	(mg/kg)	<0.004	<0.004	1.06	<0.004	<0.004
Anthracene	23,000	610,000	610,000	-----	-----	-----	-----	-----	12,000	0.400	(mg/kg)	<0.004	<0.004	1.48	<0.004	<0.004
Benzo(a)anthracene	0.90	8.0	170.0	-----	-----	-----	-----	-----	2.0	1.800	(mg/kg)	<0.004	<0.004	1.06	<0.004	<0.004
Benzo(a)pyrene	0.09	0.80	17.0	-----	-----	-----	-----	-----	8.0	2.100	(mg/kg)	<0.004	<0.004	1.42	<0.004	<0.004
Benzo(b)fluoranthene	0.90	8.0	170.0	-----	-----	-----	-----	-----	5.0	2.100	(mg/kg)	<0.004	<0.004	1.1	<0.004	<0.004
Benzo(ghi)perylene	2,300(1)	61,000 (1)	61,000 (1)	-----	-----	-----	-----	-----	32,000(1)	1.700	(mg/kg)	0.004	<0.004	0.739	<0.004	<0.004
Benzo(k)fluoranthene	9.0	78.0	1,700	-----	-----	-----	-----	-----	49.0	1.700	(mg/kg)	<0.004	<0.004	0.35	<0.004	<0.004
Chrysene	88.0	780.0	17,000	-----	-----	-----	-----	-----	160.0	2.700	(mg/kg)	<0.004	<0.004	1.12	<0.004	<0.004
Dibenzo(a,h)anthracene	0.09	0.80	17.0	-----	-----	-----	-----	-----	2.0	0.420	(mg/kg)	<0.004	<0.004	0.179	<0.004	<0.004
Fluoranthene	3,100	82,000	82,000	-----	-----	-----	-----	-----	4,300	4.100	(mg/kg)	<0.004	<0.004	2.27	<0.004	<0.004
Fluorene	3,100	82,000	82,000	-----	-----	-----	-----	-----	560.0	0.180	(mg/kg)	<0.004	<0.004	1.36	<0.004	<0.004
Indeno(1,2,3-cd)pyrene	0.90	8.0	170.0	-----	-----	-----	-----	-----	14.0	1.600	(mg/kg)	<0.004	<0.004	0.564	<0.004	<0.004
Naphthalene	1,600	41,000	4,100	170	270	1.80	34.0	34.0	12.0	0.200	(mg/kg)	<0.004	<0.004	8.10	0.007	<0.004
Phenanthrene	2,300(1)	61,000 (1)	61,000 (1)	-----	-----	-----	-----	-----	220(1)	2.500	(mg/kg)	<0.004	<0.004	5.23	<0.004	<0.004
Pyrene	2,300	61,000	61,000	-----	-----	-----	-----	-----	4,200	3.000	(mg/kg)	0.004	<0.004	3.34	<0.004	<0.004

Notes:

mg/kg	Milligrams per kilogram
(1)	Provisional remediation objective provided by IEPA
-----	No remediation objective has been established by the IEPA for this constituent for this exposure route
<12	Not detected at the level identified
	Analytical result exceeds one or more Tier 1 RO

TABLE 3-5
TIER 1 COMPARISON - BTEX AND PAH RESULTS FOR GREATER THAN 10 FT DEPTH
CHAMPAIGN MGP SITE
CHAMPAIGN, ILLINOIS
AMERENIP

	Tier 1 Remediation Objectives - Soil											B-823	B-827	B-829	B-833	B-833
		Ingestion			*Inhalation*		*Indoor Inhalation*		Soil Component to Groundwater	*MSA Background*	UNITS/	B823 (13.0-15.0')	B827 (12.0-13.0')	B829 (21.0-22.0')	B833(10.0-12.0')	B833(25.0-26.0')
CONSTITUENT	**Residential**	**Commercial**	**Construction**	**Residential**	**Commercial**	**Construction**	**Residential**	**Commercial**	**(Class I)**	**Metropolitan Areas**	**DEPTH**	**4/1/2008 13.0-15.0**	**4/2/2008 12.0-13.0**	**4/2/2008 21.0-22.0**	**4/2/2008 10.0-12.0**	**4/2/2008 25.0-26.0**
Benzene	12.0	100	2,300	0.80	1.60	2.20	0.069	0.51	0.030	--	(mg/kg)	0.0024	0.0048	14.0	15.3	3.19
Ethylbenzene	7,800	200,000	20,000	400	400	58.0	130.0	130.0	13.0	--	(mg/kg)	0.0058	0.0073	<0.0056	6.810	7.16
Toluene	16,000	410,000	410,000	650	650	42.0	240.0	240.0	12.0	--	(mg/kg)	0.0049	0.0084	0.0023	42.90	29.4
Xylene (total)	16,000	410,000	41,000	410	320	5.6	63.0	100.0	150.0	--	(mg/kg)	0.0087	0.0141	0.0021	68.20	75.1
Acenaphthene	4,700	120,000	120,000	-----	-----	-----	-----	-----	570.0	0.130	(mg/kg)	0.160	0.184	<0.004	10.1	0.091
Acenaphthylene	2,300(1)	61,000 (1)	61,000 (1)	-----	-----	-----	-----	-----	24.0(1)	0.070	(mg/kg)	0.471	0.354	<0.004	41.50	0.669
Anthracene	23,000	610,000	610,000	-----	-----	-----	-----	-----	12,000	0.400	(mg/kg)	0.602	0.056	<0.004	35.0	0.078
Benzo(a)anthracene	0.90	8.0	170.0	-----	-----	-----	-----	-----	2.0	1.800	(mg/kg)	0.559	0.131	<0.004	20.5	0.013
Benzo(a)pyrene	0.09	0.80	17.0	-----	-----	-----	-----	-----	8.0	2.100	(mg/kg)	0.570	0.074	<0.004	14.9	0.009
Benzo(b)fluoranthene	0.90	8.0	170.0	-----	-----	-----	-----	-----	5.0	2.100	(mg/kg)	0.279	0.076	<0.004	15.5	0.01
Benzo(ghi)perylene	2,300(1)	61,000 (1)	61,000 (1)	-----	-----	-----	-----	-----	32,000(1)	1.700	(mg/kg)	0.247	0.038	<0.004	4.68	0.006
Benzo(k)fluoranthene	9.0	78.0	1,700	-----	-----	-----	-----	-----	49.0	1.700	(mg/kg)	0.297	0.028	<0.004	6.04	0.004
Chrysene	88.0	780.0	17,000	-----	-----	-----	-----	-----	160.0	2.700	(mg/kg)	0.524	0.131	<0.004	19.30	0.012
Dibenzo(a,h)anthracene	0.09	0.80	17.0	-----	-----	-----	-----	-----	2.0	0.420	(mg/kg)	0.064	0.010	<0.004	2.20	<0.004
Fluoranthene	3,100	82,000	82,000	-----	-----	-----	-----	-----	4,300	4.100	(mg/kg)	0.983	0.402	<0.004	52.7	0.038
Fluorene	3,100	82,000	82,000	-----	-----	-----	-----	-----	560.0	0.180	(mg/kg)	0.516	0.366	<0.004	44.9	0.299
Indeno(1,2,3-cd)pyrene	0.90	8.0	170.0	-----	-----	-----	-----	-----	14.0	1.600	(mg/kg)	0.193	0.031	<0.004	5.10	0.004
Naphthalene	1,600	41,000	4,100	170	270	1.80	34.0	34.0	12.0	0.200	(mg/kg)	<0.020	0.009	<0.004	201.0	4.64
Phenanthrene	2,300(1)	61,000 (1)	61,000 (1)	-----	-----	-----	-----	-----	220(1)	2.500	(mg/kg)	2.48	0.023	<0.004	106.0	0.249
Pyrene	2,300	61,000	61,000	-----	-----	-----	-----	-----	4,200	3.000	(mg/kg)	1.49	0.553	<0.004	45.0	0.031

Notes:

mg/kg	Milligrams per kilogram
(1)	Provisional remediation objective provided by IEPA
-----	No remediation objective has been established by the IEPA for this constituent for this exposure route
<12	Not detected at the level identified
	Analytical result exceeds one or more Tier 1 RO

TABLE 3-5
TIER 1 COMPARISON - BTEX AND PAH RESULTS FOR GREATER THAN 10 FT DEPTH
CHAMPAIGN MGP SITE
CHAMPAIGN, ILLINOIS
AMERENIP

	Tier 1 Remediation Objectives - Soil											B-833	B-835	B-501	B-501	B-502	B-502
		Ingestion			*Inhalation*		*Indoor Inhalation*		Soil Component to Groundwater	*MSA Background*	UNITS/	B833(31.0-32.0')	B835 (28.0-29.0')	B-501-15	B-501-24	B-502-12	B-502-24
CONSTITUENT	Residential	Commercial	Construction	Residential	Commercial	Construction	Residential	Commercial	(Class I)	Metropolitan Areas	DEPTH	4/2/2008 31.0-32.0	4/3/2008 29.0-29.0	7/13/2004 14'-15'	7/13/2004 23'-24'	7/13/2004 11'-12'	7/21/2004 23'-24'
Benzene	12.0	100	2,300	0.80	1.60	2.20	0.069	0.51	0.030	--	(mg/kg)	0.006	29.6	16.40	0.0016	30.3	0.423
Ethylbenzene	7,800	200,000	20,000	400	400	58.0	130.0	130.0	13.0	--	(mg/kg)	0.0013	15.20	2.42	<0.0037	25.3	<0.0192
Toluene	16,000	410,000	410,000	650	650	42.0	240.0	240.0	12.0	--	(mg/kg)	0.0056	59.10	6.90	0.0016	108.0	<0.0192
Xylene (total)	16,000	410,000	41,000	410	320	5.6	63.0	100.0	150.0	--	(mg/kg)	0.0037	78.10	16.9	0.002	226.0	<0.0192
Acenaphthene	4,700	120,000	120,000	-----	-----	-----	-----	-----	570.0	0.130	(mg/kg)	0.021	2.47	38.60	<0.388	36.0	<0.011
Acenaphthylene	2,300(1)	61,000 (1)	61,000 (1)	-----	-----	-----	-----	-----	24.0(1)	0.070	(mg/kg)	0.023	13.0	57.70	<0.388	50.30	<0.011
Anthracene	23,000	610,000	610,000	-----	-----	-----	-----	-----	12,000	0.400	(mg/kg)	0.043	8.24	130.0	<0.388	64.50	<0.011
Benzo(a)anthracene	0.90	8.0	170.0	-----	-----	-----	-----	-----	2.0	1.800	(mg/kg)	0.035	6.06	66.80	<0.388	54.50	<0.011
Benzo(a)pyrene	0.09	0.80	17.0	-----	-----	-----	-----	-----	8.0	2.100	(mg/kg)	0.027	4.99	68.40	<0.388	48.30	<0.011
Benzo(b)fluoranthene	0.90	8.0	170.0	-----	-----	-----	-----	-----	5.0	2.100	(mg/kg)	0.029	3.41	72.50	<0.388	56.0	<0.011
Benzo(ghi)perylene	2,300(1)	61,000 (1)	61,000 (1)	-----	-----	-----	-----	-----	32,000(1)	1.700	(mg/kg)	0.014	1.94	22.0	<0.388	13.0	<0.011
Benzo(k)fluoranthene	9.0	78.0	1,700	-----	-----	-----	-----	-----	49.0	1.700	(mg/kg)	0.011	3.92	21.0	<0.388	17.0	<0.011
Chrysene	88.0	780.0	17,000	-----	-----	-----	-----	-----	160.0	2.700	(mg/kg)	0.034	5.22	63.50	<0.388	55.70	<0.011
Dibenzo(a,h)anthracene	0.09	0.80	17.0	-----	-----	-----	-----	-----	2.0	0.420	(mg/kg)	0.004	0.702	7.3	<0.388	5.5	<0.011
Fluoranthene	3,100	82,000	82,000	-----	-----	-----	-----	-----	4,300	4.100	(mg/kg)	0.087	15.3	162.0	<0.388	144.00	<0.011
Fluorene	3,100	82,000	82,000	-----	-----	-----	-----	-----	560.0	0.180	(mg/kg)	0.036	9.55	124.0	<0.388	115.0	<0.011
Indeno(1,2,3-cd)pyrene	0.90	8.0	170.0	-----	-----	-----	-----	-----	14.0	1.600	(mg/kg)	0.011	2.09	24.0	<0.388	17.0	<0.011
Naphthalene	1,600	41,000	4,100	170	270	1.80	34.0	34.0	12.0	0.200	(mg/kg)	0.072	56.0	920.0	<0.388	682.0	0.026
Phenanthrene	2,300(1)	61,000 (1)	61,000 (1)	-----	-----	-----	-----	-----	220(1)	2.500	(mg/kg)	0.143	25.2	346.0	<0.388	271.0	<0.011
Pyrene	2,300	61,000	61,000	-----	-----	-----	-----	-----	4,200	3.000	(mg/kg)	0.083	12.2	165.0	<0.555	113.0	<0.011

Notes:
- mg/kg — Milligrams per kilogram
- (1) — Provisional remediation objective provided by IEPA
- ----- — No remediation objective has been established by the IEPA for this constitiuent for this exposure route
- <12 — Not detected at the level identified
- Analytical result exceeds one or more Tier 1 RO

TABLE 3-5
TIER 1 COMPARISON - BTEX AND PAH RESULTS FOR GREATER THAN 10 FT DEPTH
CHAMPAIGN MGP SITE
CHAMPAIGN, ILLINOIS
AMERENIP

	Tier 1 Remediation Objectives - Soil											B-503	B-503	B-504	B-504	B-504	B-505	B-505
		Ingestion			*Inhalation*			*Indoor Inhalation*		Soil Component	*MSA Background*		B-503-11	B-503-19	B-504-14	B-504-21	B-504-28	B-505-11	B-505-22
										to Groundwater			7/13/2004	7/13/2004	7/13/2004	7/14/2004	7/14/2004	7/14/2004	7/14/2004
CONSTITUENT	**Residential**	**Commercial**	**Construction**	**Residential**	**Commercial**	**Construction**	**Residential**	**Commercial**	**(Class I)**	**Metropolitan Areas**	**UNITS/ DEPTH**	**10'-11'**	**18'-19'**	**13'-14'**	**20'-21'**	**27'-28'**	**10'-11'**	**21'-22'**
Benzene	12.0	100	2,300	0.80	1.60	2.20	0.069	0.51	0.030	--	(mg/kg)	0.223	3.0	15.10	33.10	0.0091	5.04	0.0016
Ethylbenzene	7,800	200,000	20,000	400	400	58.0	130.0	130.0	13.0	--	(mg/kg)	0.372	<0.528	28.5	1.10	0.002	17.70	0.0015
Toluene	16,000	410,000	410,000	650	650	42.0	240.0	240.0	12.0	--	(mg/kg)	0.12	0.835	8.24	8.76	0.0037	0.72	0.0043
Xylene (total)	16,000	410,000	41,000	410	320	5.6	63.0	100.0	150.0	--	(mg/kg)	0.458	<0.528	24.0	3.46	0.0034	11.20	0.0042
Acenaphthene	4,700	120,000	120,000	-----	-----	-----	-----	-----	570.0	0.130	(mg/kg)	<0.421	5.43	48.70	21.50	0.013	13.40	<0.109
Acenaphthylene	2,300(1)	61,000 (1)	61,000 (1)	-----	-----	-----	-----	-----	24.0(1)	0.070	(mg/kg)	<0.421	46.90	19.80	148.0	0.014	13.80	0.012
Anthracene	23,000	610,000	610,000	-----	-----	-----	-----	-----	12,000	0.400	(mg/kg)	<0.421	12.40	33.50	107.0	0.022	11.00	<0.109
Benzo(a)anthracene	0.90	8.0	170.0	-----	-----	-----	-----	-----	2.0	1.800	(mg/kg)	<0.421	31.30	16.60	58.80	0.019	7.50	<0.109
Benzo(a)pyrene	0.09	0.80	17.0	-----	-----	-----	-----	-----	8.0	2.100	(mg/kg)	<0.421	81.50	15.80	66.50	0.019	7.00	<0.109
Benzo(b)fluoranthene	0.90	8.0	170.0	-----	-----	-----	-----	-----	5.0	2.100	(mg/kg)	<0.421	88.10	11.9	50.40	0.015	5.40	<0.109
Benzo(ghi)perylene	2,300(1)	61,000 (1)	61,000 (1)	-----	-----	-----	-----	-----	32,000(1)	1.700	(mg/kg)	<0.421	23.0	4.9	15.20	<0.111	<11.30	<0.109
Benzo(k)fluoranthene	9.0	78.0	1,700	-----	-----	-----	-----	-----	49.0	1.700	(mg/kg)	<0.421	25.0	4.0	15.70	<0.111	<11.30	<0.109
Chrysene	88.0	780.0	17,000	-----	-----	-----	-----	-----	160.0	2.700	(mg/kg)	<0.421	34.50	16.2	62.30	0.021	6.70	<0.109
Dibenzo(a,h)anthracene	0.09	0.80	17.0	-----	-----	-----	-----	-----	2.0	0.420	(mg/kg)	<0.421	5.8	1.4	4.60	<0.111	<11.30	<0.109
Fluoranthene	3,100	82,000	82,000	-----	-----	-----	-----	-----	4,300	4.100	(mg/kg)	<0.421	37.40	36.30	122.0	0.033	12.20	<0.109
Fluorene	3,100	82,000	82,000	-----	-----	-----	-----	-----	560.0	0.180	(mg/kg)	<0.421	13.30	47.90	123.0	0.022	15.40	<0.109
Indeno(1,2,3-cd)pyrene	0.90	8.0	170.0	-----	-----	-----	-----	-----	14.0	1.600	(mg/kg)	<0.421	21.40	4.7	15.0	<0.111	<11.30	<0.109
Naphthalene	1,600	41,000	4,100	170	270	1.80	34.0	34.0	12.0	0.200	(mg/kg)	<0.421	7.71	231.0	332.0	0.155	113.0	0.16
Phenanthrene	2,300(1)	61,000 (1)	61,000 (1)	-----	-----	-----	-----	-----	220(1)	2.500	(mg/kg)	<0.421	17.90	115.0	320.0	0.072	38.60	0.02
Pyrene	2,300	61,000	61,000	-----	-----	-----	-----	-----	4,200	3.000	(mg/kg)	<0.421	59.80	54.0	192.0	0.051	19.70	0.011

Notes:
- mg/kg — Milligrams per kilogram
- (1) — Provisional remediation objective provided by IEPA
- ----- — No remediation objective has been established by the IEPA for this constitiuent for this exposure route
- <12 — Not detected at the level identified
- Analytical result exceeds one or more Tier 1 RO

TABLE 3-5
TIER 1 COMPARISON - BTEX AND PAH RESULTS FOR GREATER THAN 10 FT DEPTH
CHAMPAIGN MGP SITE
CHAMPAIGN, ILLINOIS
AMERENIP

	Tier 1 Remediation Objectives - Soil											B-505	B-506	B-506	B-507	B-507	B-508	B-508
		Ingestion			*Inhalation*			*Indoor Inhalation*		Soil Component	*MSA Background*		B-505-28	B-506-17	B-506-28	B-507-19	B-507-28	B-508-11	B-508-28
CONSTITUENT	**Residential**	**Commercial**	**Construction**	**Residential**	**Commercial**	**Construction**	**Residential**	**Commercial**	**to Groundwater (Class I)**	**Metropolitan Areas**	**UNITS/ DEPTH**	7/14/2004 27'-28'	7/22/2004 16'-17'	7/22/2004 27'-28'	7/21/2004 18'-19'	7/21/2004 27'-28'	7/19/2004 10'-11'	7/19/2004 27'-28'
Benzene	12.0	100	2,300	0.80	1.60	2.20	0.069	0.51	0.030	--	(mg/kg)	0.003	444.0	0.0023	659.0	0.0061	2.58	0.0014
Ethylbenzene	7,800	200,000	20,000	400	400	58.0	130.0	130.0	13.0	--	(mg/kg)	0.0023	122.0	0.0013	141.0	0.0034	37.10	0.001
Toluene	16,000	410,000	410,000	650	650	42.0	240.0	240.0	12.0	--	(mg/kg)	0.0025	676.0	0.0036	1540.0	0.0143	0.22	0.0017
Xylene (total)	16,000	410,000	41,000	410	320	5.6	63.0	100.0	150.0	--	(mg/kg)	0.004	549.0	0.004	1300.0	0.0091	19.0	0.0017
Acenaphthene	4,700	120,000	120,000	-----	-----	-----	-----	-----	570.0	0.130	(mg/kg)	0.02	54.60	<0.387	115.0	---	47.70	<0.113
Acenaphthylene	2,300(1)	61,000 (1)	61,000 (1)	-----	-----	-----	-----	-----	24.0(1)	0.070	(mg/kg)	0.03	389.0	<0.387	697.0	---	8.10	<0.113
Anthracene	23,000	610,000	610,000	-----	-----	-----	-----	-----	12,000	0.400	(mg/kg)	0.037	155.0	<0.387	406.0	---	24.10	<0.113
Benzo(a)anthracene	0.90	8.0	170.0	-----	-----	-----	-----	-----	2.0	1.800	(mg/kg)	0.029	79.0	<0.387	257.0	---	13.0	<0.113
Benzo(a)pyrene	0.09	0.80	17.0	-----	-----	-----	-----	-----	8.0	2.100	(mg/kg)	0.025	92.0	<0.387	237.0	---	13.0	<0.113
Benzo(b)fluoranthene	0.90	8.0	170.0	-----	-----	-----	-----	-----	5.0	2.100	(mg/kg)	0.02	72.6	<0.387	170.0	---	11.0	<0.113
Benzo(ghi)perylene	2,300(1)	61,000 (1)	61,000 (1)	-----	-----	-----	-----	-----	32,000(1)	1.700	(mg/kg)	<0.112	17.7	<0.387	80.0	---	4.90	<0.113
Benzo(k)fluoranthene	9.0	78.0	1,700	-----	-----	-----	-----	-----	49.0	1.700	(mg/kg)	<0.112	21.8	<0.387	69.6	---	3.30	<0.113
Chrysene	88.0	780.0	17,000	-----	-----	-----	-----	-----	160.0	2.700	(mg/kg)	0.026	72.5	<0.387	239.0	---	12.0	<0.113
Dibenzo(a,h)anthracene	0.09	0.80	17.0	-----	-----	-----	-----	-----	2.0	0.420	(mg/kg)	<0.112	5.64	<0.387	<54.30	---	<24.60	<0.113
Fluoranthene	3,100	82,000	82,000	-----	-----	-----	-----	-----	4,300	4.100	(mg/kg)	0.051	168.0	<0.387	485.0	---	27.0	<0.113
Fluorene	3,100	82,000	82,000	-----	-----	-----	-----	-----	560.0	0.180	(mg/kg)	0.044	204.0	<0.387	547.0	---	35.0	<0.113
Indeno(1,2,3-cd)pyrene	0.90	8.0	170.0	-----	-----	-----	-----	-----	14.0	1.600	(mg/kg)	<0.112	17.3	<0.387	64.0	---	4.30	<0.113
Naphthalene	1,600	41,000	4,100	170	270	1.80	34.0	34.0	12.0	0.200	(mg/kg)	0.179	2160.0	<0.387	4620.0	---	193.0	0.030
Phenanthrene	2,300(1)	61,000 (1)	61,000 (1)	-----	-----	-----	-----	-----	220(1)	2.500	(mg/kg)	0.13	613.0	<0.387	935.0	---	78.30	0.019
Pyrene	2,300	61,000	61,000	-----	-----	-----	-----	-----	4,200	3.000	(mg/kg)	0.078	244.0	<0.553	713.0	---	38.80	<0.113

Notes:
- mg/kg — Milligrams per kilogram
- (1) — Provisional remediation objective provided by IEPA
- ----- — No remediation objective has been established by the IEPA for this constitiuent for this exposure route
- <12 — Not detected at the level identified
- Analytical result exceeds one or more Tier 1 RO

TABLE 3-5
TIER 1 COMPARISON - BTEX AND PAH RESULTS FOR GREATER THAN 10 FT DEPTH
CHAMPAIGN MGP SITE
CHAMPAIGN, ILLINOIS
AMERENIP

	Tier 1 Remediation Objectives - Soil											B-509	B-509	B-510	B-510	B-512	B-512	B-513
		Ingestion			*Inhalation*			*Indoor Inhalation*		Soil Component to Groundwater	*MSA Background*		B-509-18	B-509-28	B-510-12	B-510-28	B-512-11	B-512-24	B-513-12
													7/21/2004	7/21/2004	7/12/2004	7/12/2004	7/12/2004	7/12/2004	7/12/2004
CONSTITUENT	**Residential**	**Commercial**	**Construction**	**Residential**	**Commercial**	**Construction**	**Residential**	**Commercial**	**(Class I)**	**Metropolitan Areas**	**UNITS/ DEPTH**	**17'-18'**	**27'-28'**	**11'-12'**	**27'-28'**	**10'-11'**	**23'-24'**	**11'-12'**
Benzene	12.0	100	2,300	0.80	1.60	2.20	0.069	0.51	0.030	--	(mg/kg)	6.25	0.0007	0.0013	0.001	0.009	0.0012	1.8
Ethylbenzene	7,800	200,000	20,000	400	400	58.0	130.0	130.0	13.0	--	(mg/kg)	11.4	<0.004	<0.0039	<0.0043	<0.0044	<0.0037	1.5
Toluene	16,000	410,000	410,000	650	650	42.0	240.0	240.0	12.0	--	(mg/kg)	0.55	0.002	0.0018	0.0012	0.0011	0.0012	3.7
Xylene (total)	16,000	410,000	41,000	410	320	5.6	63.0	100.0	150.0	--	(mg/kg)	6.63	0.0027	0.001	0.0014	0.0018	0.0012	3.5
Acenaphthene	4,700	120,000	120,000	-----	-----	-----	-----	-----	570.0	0.130	(mg/kg)	0.086	0.022	<0.099	<0.097	0.18	<0.101	<0.390
Acenaphthylene	2,300[(1)]	61,000 [(1)]	61,000 [(1)]	-----	-----	-----	-----	-----	24.0[(1)]	0.070	(mg/kg)	0.263	0.11	<0.099	0.010	<0.579	<0.101	<0.390
Anthracene	23,000	610,000	610,000	-----	-----	-----	-----	-----	12,000	0.400	(mg/kg)	0.091	0.098	<0.099	<0.097	0.083	<0.101	<0.390
Benzo(a)anthracene	0.90	8.0	170.0	-----	-----	-----	-----	-----	2.0	1.800	(mg/kg)	0.066	0.072	<0.099	<0.097	<0.579	<0.101	<0.390
Benzo(a)pyrene	0.09	0.80	17.0	-----	-----	-----	-----	-----	8.0	2.100	(mg/kg)	0.074	0.079	<0.099	<0.097	<0.579	<0.101	<0.390
Benzo(b)fluoranthene	0.90	8.0	170.0	-----	-----	-----	-----	-----	5.0	2.100	(mg/kg)	0.053	0.058	<0.099	<0.097	<0.579	<0.101	<0.390
Benzo(ghi)perylene	2,300[(1)]	61,000 [(1)]	61,000 [(1)]	-----	-----	-----	-----	-----	32,000[(1)]	1.700	(mg/kg)	0.036	0.039	<0.099	<0.097	<0.579	<0.101	<0.390
Benzo(k)fluoranthene	9.0	78.0	1,700	-----	-----	-----	-----	-----	49.0	1.700	(mg/kg)	0.016	0.017	<0.099	<0.097	<0.579	<0.101	<0.390
Chrysene	88.0	780.0	17,000	-----	-----	-----	-----	-----	160.0	2.700	(mg/kg)	0.066	0.072	<0.099	<0.097	<0.579	<0.101	<0.390
Dibenzo(a,h)anthracene	0.09	0.80	17.0	-----	-----	-----	-----	-----	2.0	0.420	(mg/kg)	<0.113	<0.112	<0.099	<0.097	<0.579	<0.101	<0.390
Fluoranthene	3,100	82,000	82,000	-----	-----	-----	-----	-----	4,300	4.100	(mg/kg)	0.125	0.142	<0.099	<0.097	0.066	<0.101	<0.390
Fluorene	3,100	82,000	82,000	-----	-----	-----	-----	-----	560.0	0.180	(mg/kg)	0.113	0.09	<0.099	<0.097	0.16	<0.101	<0.390
Indeno(1,2,3-cd)pyrene	0.90	8.0	170.0	-----	-----	-----	-----	-----	14.0	1.600	(mg/kg)	0.027	0.028	<0.099	<0.097	<0.579	<0.101	<0.390
Naphthalene	1,600	41,000	4,100	170	270	1.80	34.0	34.0	12.0	0.200	(mg/kg)	7.94	0.466	<0.099	<0.097	0.1	<0.101	<0.390
Phenanthrene	2,300[(1)]	61,000 [(1)]	61,000 [(1)]	-----	-----	-----	-----	-----	220[(1)]	2.500	(mg/kg)	0.298	0.311	<0.099	<0.097	0.32	<0.101	<0.390
Pyrene	2,300	61,000	61,000	-----	-----	-----	-----	-----	4,200	3.000	(mg/kg)	0.194	0.223	<0.099	<0.097	0.087	<0.101	<0.557

Notes:

mg/kg	Milligrams per kilogram
(1)	Provisional remediation objective provided by IEPA
-----	No remediation objective has been established by the IEPA for this constituent for this exposure route
<12	Not detected at the level identified
	Analytical result exceeds one or more Tier 1 RO

TABLE 3-5
TIER 1 COMPARISON - BTEX AND PAH RESULTS FOR GREATER THAN 10 FT DEPTH
CHAMPAIGN MGP SITE
CHAMPAIGN, ILLINOIS
AMERENIP

	Tier 1 Remediation Objectives - Soil											B-513	B-514	B-514	B-515	B-515	B-516	B-516
		Ingestion			*Inhalation*		*Indoor Inhalation*		Soil Component to Groundwater	*MSA Background*	UNITS/	B-513-24	B-514-17	B-514-28	B-515-19	B-515-32	B-516-14	B-516-24
CONSTITUENT	Residential	Commercial	Construction	Residential	Commercial	Construction	Residential	Commercial	(Class I)	Metropolitan Areas	DEPTH	7/12/2004 23'-24'	7/22/2004 16'-17'	7/22/2004 27'-28'	7/16/2004 18'-19'	7/16/2004 31'-32'	7/22/2004 13'-14'	7/22/2004 23'-24'
Benzene	12.0	100	2,300	0.80	1.60	2.20	0.069	0.51	0.030	--	(mg/kg)	0.001	333.0	0.0008	29.3	0.002	5.45	0.0007
Ethylbenzene	7,800	200,000	20,000	400	400	58.0	130.0	130.0	13.0	--	(mg/kg)	<0.0038	797.0	0.0009	5.73	0.014	11.4	<0.004
Toluene	16,000	410,000	410,000	650	650	42.0	240.0	240.0	12.0	--	(mg/kg)	0.001	266.0	0.0014	35.1	0.0022	1.18	0.0011
Xylene (total)	16,000	410,000	41,000	410	320	5.6	63.0	100.0	150.0	--	(mg/kg)	0.001	721.0	0.0018	27.6	0.0024	25.3	0.0015
Acenaphthene	4,700	120,000	120,000	-----	-----	-----	-----	-----	570.0	0.130	(mg/kg)	<0.307	1490	<0.108	3.00	<0.373	1.94	<0.113
Acenaphthylene	2,300(1)	61,000 (1)	61,000 (1)	-----	-----	-----	-----	-----	24.0(1)	0.070	(mg/kg)	<0.307	402.0	<0.108	26.50	<0.373	2.75	<0.113
Anthracene	23,000	610,000	610,000	-----	-----	-----	-----	-----	12,000	0.400	(mg/kg)	<0.307	602.0	<0.108	11.0	<0.373	5.96	<0.113
Benzo(a)anthracene	0.90	8.0	170.0	-----	-----	-----	-----	-----	2.0	1.800	(mg/kg)	<0.307	254.0	<0.108	5.77	<0.373	3.03	<0.113
Benzo(a)pyrene	0.09	0.80	17.0	-----	-----	-----	-----	-----	8.0	2.100	(mg/kg)	<0.307	292.0	<0.108	6.48	<0.373	3.61	<0.113
Benzo(b)fluoranthene	0.90	8.0	170.0	-----	-----	-----	-----	-----	5.0	2.100	(mg/kg)	<0.307	202.0	<0.108	4.50	<0.373	2.50	<0.113
Benzo(ghi)perylene	2,300(1)	61,000 (1)	61,000 (1)	-----	-----	-----	-----	-----	32,000(1)	1.700	(mg/kg)	<0.307	101.0	<0.108	2.10	<0.373	1.19	<0.113
Benzo(k)fluoranthene	9.0	78.0	1,700	-----	-----	-----	-----	-----	49.0	1.700	(mg/kg)	<0.307	59.0	<0.108	1.60	<0.373	0.851	<0.113
Chrysene	88.0	780.0	17,000	-----	-----	-----	-----	-----	160.0	2.700	(mg/kg)	<0.307	263.0	<0.108	5.93	<0.373	2.85	<0.113
Dibenzo(a,h)anthracene	0.09	0.80	17.0	-----	-----	-----	-----	-----	2.0	0.420	(mg/kg)	<0.307	26.0	<0.108	0.57	<0.373	0.40	<0.113
Fluoranthene	3,100	82,000	82,000	-----	-----	-----	-----	-----	4,300	4.100	(mg/kg)	<0.307	660.0	<0.108	12.90	<0.373	7.32	<0.113
Fluorene	3,100	82,000	82,000	-----	-----	-----	-----	-----	560.0	0.180	(mg/kg)	<0.307	836.0	<0.108	16.10	<0.373	6.76	<0.113
Indeno(1,2,3-cd)pyrene	0.90	8.0	170.0	-----	-----	-----	-----	-----	14.0	1.600	(mg/kg)	<0.307	84.5	<0.108	1.90	<0.373	1.09	<0.113
Naphthalene	1,600	41,000	4,100	170	270	1.80	34.0	34.0	12.0	0.200	(mg/kg)	<0.307	7660	0.085	86.0	<0.373	126.0	0.057
Phenanthrene	2,300(1)	61,000 (1)	61,000 (1)	-----	-----	-----	-----	-----	220(1)	2.500	(mg/kg)	<0.307	2410	<0.108	38.10	<0.373	18.0	0.018
Pyrene	2,300	61,000	61,000	-----	-----	-----	-----	-----	4,200	3.000	(mg/kg)	<0.307	1030	<0.108	19.70	<0.533	9.53	0.012

Notes:
- mg/kg — Milligrams per kilogram
- (1) — Provisional remediation objective provided by IEPA
- ----- — No remediation objective has been established by the IEPA for this constitiuent for this exposure route
- <12 — Not detected at the level identified
- Analytical result exceeds one or more Tier 1 RO

TABLE 3-5
TIER 1 COMPARISON - BTEX AND PAH RESULTS FOR GREATER THAN 10 FT DEPTH
CHAMPAIGN MGP SITE
CHAMPAIGN, ILLINOIS
AMERENIP

	Tier 1 Remediation Objectives - Soil											B-550	B-550	B-550	B-551	B-551	B-553	B-553
		Ingestion			*Inhalation*			*Indoor Inhalation*		Soil Component			B-550-11	B-550-16	B-550-28	B-551-16	B-551-28	B-553-15	B-553-24
										to Groundwater	*MSA Background*	UNITS/	7/20/2004	7/20/2004	7/20/2004	7/15/2004	7/15/2004	7/14/2004	7/14/2004
CONSTITUENT	Residential	Commercial	Construction	Residential	Commercial	Construction	Residential	Commercial	(Class I)	Metropolitan Areas	DEPTH	10'-11'	15'-16'	27'-28'	15'-16'	27'-28'	14'-15'	23'-24'
Benzene	12.0	100	2,300	0.80	1.60	2.20	0.069	0.51	0.030	--	(mg/kg)	1.24	5.81	0.0011	0.0148	0.0026	3.03	97.30
Ethylbenzene	7,800	200,000	20,000	400	400	58.0	130.0	130.0	13.0	--	(mg/kg)	4.02	1.44	<0.0039	0.042	0.0033	10.1	32.90
Toluene	16,000	410,000	410,000	650	650	42.0	240.0	240.0	12.0	--	(mg/kg)	0.150	0.798	0.0018	0.0736	0.0034	16.1	164.0
Xylene (total)	16,000	410,000	41,000	410	320	5.6	63.0	100.0	150.0	--	(mg/kg)	1.93	1.43	0.0014	0.128	0.0056	37.3	155.0
Acenaphthene	4,700	120,000	120,000	-----	-----	-----	-----	-----	570.0	0.130	(mg/kg)	35.60	0.050	<0.111	0.013	0.038	15.70	101.0
Acenaphthylene	2,300(1)	61,000 (1)	61,000 (1)	-----	-----	-----	-----	-----	24.0(1)	0.070	(mg/kg)	4.66	0.020	<0.111	0.080	<0.112	35.60	664.0
Anthracene	23,000	610,000	610,000	-----	-----	-----	-----	-----	12,000	0.400	(mg/kg)	18.40	0.054	<0.111	0.021	0.037	77.90	371.0
Benzo(a)anthracene	0.90	8.0	170.0	-----	-----	-----	-----	-----	2.0	1.800	(mg/kg)	6.74	0.040	<0.111	0.027	0.032	50.80	188.0
Benzo(a)pyrene	0.09	0.80	17.0	-----	-----	-----	-----	-----	8.0	2.100	(mg/kg)	7.48	0.034	<0.111	0.023	0.029	53.20	194.0
Benzo(b)fluoranthene	0.90	8.0	170.0	-----	-----	-----	-----	-----	5.0	2.100	(mg/kg)	4.89	0.032	<0.111	0.02	0.027	56.10	154.0
Benzo(ghi)perylene	2,300(1)	61,000 (1)	61,000 (1)	-----	-----	-----	-----	-----	32,000(1)	1.700	(mg/kg)	2.05	0.011	<0.111	<0.113	0.013	11.50	57.80
Benzo(k)fluoranthene	9.0	78.0	1,700	-----	-----	-----	-----	-----	49.0	1.700	(mg/kg)	1.42	<0.111	<0.111	<0.113	<0.112	20.50	49.0
Chrysene	88.0	780.0	17,000	-----	-----	-----	-----	-----	160.0	2.700	(mg/kg)	6.49	0.040	<0.111	0.026	0.031	47.30	197.0
Dibenzo(a,h)anthracene	0.09	0.80	17.0	-----	-----	-----	-----	-----	2.0	0.420	(mg/kg)	0.61	<0.111	<0.111	<0.113	<0.112	4.0	17.0
Fluoranthene	3,100	82,000	82,000	-----	-----	-----	-----	-----	4,300	4.100	(mg/kg)	16.40	0.077	<0.111	0.04	0.058	133.0	417.0
Fluorene	3,100	82,000	82,000	-----	-----	-----	-----	-----	560.0	0.180	(mg/kg)	24.30	0.050	<0.111	0.019	0.036	64.90	555.0
Indeno(1,2,3-cd)pyrene	0.90	8.0	170.0	-----	-----	-----	-----	-----	14.0	1.600	(mg/kg)	1.810	<0.111	<0.111	<0.113	<0.112	13.60	52.0
Naphthalene	1,600	41,000	4,100	170	270	1.80	34.0	34.0	12.0	0.200	(mg/kg)	35.400	0.258	0.061	1.51	0.082	523.0	26.5
Phenanthrene	2,300(1)	61,000 (1)	61,000 (1)	-----	-----	-----	-----	-----	220(1)	2.500	(mg/kg)	49.0	0.170	0.021	0.066	0.121	224.0	985.0
Pyrene	2,300	61,000	61,000	-----	-----	-----	-----	-----	4,200	3.000	(mg/kg)	20.0	0.010	<0.111	0.058	0.076	138.0	588.0

Notes:
- mg/kg — Milligrams per kilogram
- (1) — Provisional remediation objective provided by IEPA
- ----- — No remediation objective has been established by the IEPA for this constitiuent for this exposure route
- <12 — Not detected at the level identified
- Analytical result exceeds one or more Tier 1 RO

TABLE 3-5
TIER 1 COMPARISON - BTEX AND PAH RESULTS FOR GREATER THAN 10 FT DEPTH
CHAMPAIGN MGP SITE
CHAMPAIGN, ILLINOIS
AMERENIP

	Tier 1 Remediation Objectives - Soil											B-553	B-554	B-554	B-556	B-556	B-557	B-557
		Ingestion			*Inhalation*			*Indoor Inhalation*		Soil Component	*MSA Background*		B-553-32	B-554-18	B-554-32	B-556-20	B-556-28	B-557-12	B-557-24
CONSTITUENT	Residential	Commercial	Construction	Residential	Commercial	Construction	Residential	Commercial	to Groundwater (Class I)	Metropolitan Areas	UNITS/ DEPTH	7/14/2004 31'-32'	7/15/2004 17'-18'	7/15/2004 31'-32'	7/20/2004 19'-20'	7/20/2004 27'-28'	7/20/2004 11'-12'	7/20/2004 23'-24'
Benzene	12.0	100	2,300	0.80	1.60	2.20	0.069	0.51	0.030	--	(mg/kg)	0.0035	5.62	0.0037	3.35	0.0021	0.0308	0.0009
Ethylbenzene	7,800	200,000	20,000	400	400	58.0	130.0	130.0	13.0	--	(mg/kg)	0.0015	9.02	0.0048	4.51	0.0023	1.03	<0.0043
Toluene	16,000	410,000	410,000	650	650	42.0	240.0	240.0	12.0	--	(mg/kg)	0.0045	7.78	0.0095	10.40	0.005	0.0099	0.0011
Xylene (total)	16,000	410,000	41,000	410	320	5.6	63.0	100.0	150.0	--	(mg/kg)	0.0036	13.0	0.0178	13.90	0.0046	0.532	0.0012
Acenaphthene	4,700	120,000	120,000	-----	-----	-----	-----	-----	570.0	0.130	(mg/kg)	<0.382	98.90	<0.112	11.70	<0.375	6.22	0.023
Acenaphthylene	2,300(1)	61,000 (1)	61,000 (1)	-----	-----	-----	-----	-----	24.0(1)	0.070	(mg/kg)	<0.382	230.0	<0.112	51.80	<0.375	1.49	<0.113
Anthracene	23,000	610,000	610,000	-----	-----	-----	-----	-----	12,000	0.400	(mg/kg)	<0.382	172.0	<0.112	27.70	<0.375	4.24	0.023
Benzo(a)anthracene	0.90	8.0	170.0	-----	-----	-----	-----	-----	2.0	1.800	(mg/kg)	<0.382	78.20	<0.112	13.30	<0.375	2.30	0.017
Benzo(a)pyrene	0.09	0.80	17.0	-----	-----	-----	-----	-----	8.0	2.100	(mg/kg)	<0.382	86.0	<0.112	17.30	<0.375	1.90	0.014
Benzo(b)fluoranthene	0.90	8.0	170.0	-----	-----	-----	-----	-----	5.0	2.100	(mg/kg)	<0.382	73.50	<0.112	10.70	<0.375	1.55	0.012
Benzo(ghi)perylene	2,300(1)	61,000 (1)	61,000 (1)	-----	-----	-----	-----	-----	32,000(1)	1.700	(mg/kg)	<0.382	13.0	<0.112	3.01	<0.375	0.50	<0.113
Benzo(k)fluoranthene	9.0	78.0	1,700	-----	-----	-----	-----	-----	49.0	1.700	(mg/kg)	<0.382	26.0	<0.112	3.31	<0.375	0.45	<0.113
Chrysene	88.0	780.0	17,000	-----	-----	-----	-----	-----	160.0	2.700	(mg/kg)	<0.382	79.10	<0.112	13.50	<0.375	2.09	0.016
Dibenzo(a,h)anthracene	0.09	0.80	17.0	-----	-----	-----	-----	-----	2.0	0.420	(mg/kg)	<0.382	<50.90	<0.112	0.96	<0.375	<0.865	<0.113
Fluoranthene	3,100	82,000	82,000	-----	-----	-----	-----	-----	4,300	4.100	(mg/kg)	<0.382	173.0	<0.112	30.50	<0.375	4.25	0.027
Fluorene	3,100	82,000	82,000	-----	-----	-----	-----	-----	560.0	0.180	(mg/kg)	<0.382	241.0	<0.112	30.90	<0.375	5.26	0.020
Indeno(1,2,3-cd)pyrene	0.90	8.0	170.0	-----	-----	-----	-----	-----	14.0	1.600	(mg/kg)	<0.382	14.0	<0.112	2.82	<0.375	0.41	<0.113
Naphthalene	1,600	41,000	4,100	170	270	1.80	34.0	34.0	12.0	0.200	(mg/kg)	<0.382	1070	0.057	239.00	<0.375	0.45	0.053
Phenanthrene	2,300(1)	61,000 (1)	61,000 (1)	-----	-----	-----	-----	-----	220(1)	2.500	(mg/kg)	<0.382	593.0	0.025	90.00	<0.375	11.50	0.070
Pyrene	2,300	61,000	61,000	-----	-----	-----	-----	-----	4,200	3.000	(mg/kg)	<0.545	242.0	0.011	47.30	<0.536	6.40	0.040

Notes:
- mg/kg — Milligrams per kilogram
- (1) — Provisional remediation objective provided by IEPA
- ----- — No remediation objective has been established by the IEPA for this constitiuent for this exposure route
- <12 — Not detected at the level identified
- Analytical result exceeds one or more Tier 1 RO

TABLE 3-5
TIER 1 COMPARISON - BTEX AND PAH RESULTS FOR GREATER THAN 10 FT DEPTH
CHAMPAIGN MGP SITE
CHAMPAIGN, ILLINOIS
AMERENIP

	Tier 1 Remediation Objectives - Soil											UTB-14	UTB-15	UTB-16	UTB-20	UTB-21	UTB-22	UTB-23
		Ingestion			*Inhalation*			*Indoor Inhalation*		Soil Component to Groundwater	*MSA Background*	UNITS/	UTB-14-02	UTB-15-S02	UTB-16-02	UTB-20-S01	UTB-21-S02	UTB-22-S02	UTB-23-S02
CONSTITUENT	Residential	Commercial	Construction	Residential	Commercial	Construction	Residential	Commercial	(Class I)	Metropolitan Areas	DEPTH	12/6/1990 32'-33'	12/13/1991 33'-35'	12/6/1990 16.5'-18'	12/11/1991 17'-18'	12/12/1991 20'-23'	12/12/1991 20'-23'	12/14/1991 26'-28'
Benzene	12.0	100	2,300	0.80	1.60	2.20	0.069	0.51	0.030	--	(mg/kg)	<0.310	<0.310	<0.310	<0.310	<0.310	<0.310	0.73
Ethylbenzene	7,800	200,000	20,000	400	400	58.0	130.0	130.0	13.0	--	(mg/kg)	<0.310	<0.310	<0.310	<0.310	<0.310	<0.310	<0.310
Toluene	16,000	410,000	410,000	650	650	42.0	240.0	240.0	12.0	--	(mg/kg)	<0.310	<0.310	<0.310	<0.310	<0.310	<0.310	<0.310
Xylene (total)	16,000	410,000	41,000	410	320	5.6	63.0	100.0	150.0	--	(mg/kg)	<0.310	<0.310	<0.310	<0.310	<0.310	<0.310	<0.310
Acenaphthene	4,700	120,000	120,000	-----	-----	-----	-----	-----	570.0	0.130	(mg/kg)	<0.330	2.70	<0.330	<0.330	<0.330	<0.330	<0.330
Acenaphthylene	2,300(1)	61,000 (1)	61,000 (1)	-----	-----	-----	-----	-----	24.0(1)	0.070	(mg/kg)	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330
Anthracene	23,000	610,000	610,000	-----	-----	-----	-----	-----	12,000	0.400	(mg/kg)	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330
Benzo(a)anthracene	0.90	8.0	170.0	-----	-----	-----	-----	-----	2.0	1.800	(mg/kg)	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330
Benzo(a)pyrene	0.09	0.80	17.0	-----	-----	-----	-----	-----	8.0	2.100	(mg/kg)	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330
Benzo(b)fluoranthene	0.90	8.0	170.0	-----	-----	-----	-----	-----	5.0	2.100	(mg/kg)	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330
Benzo(ghi)perylene	2,300(1)	61,000 (1)	61,000 (1)	-----	-----	-----	-----	-----	32,000(1)	1.700	(mg/kg)	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330
Benzo(k)fluoranthene	9.0	78.0	1,700	-----	-----	-----	-----	-----	49.0	1.700	(mg/kg)	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330
Chrysene	88.0	780.0	17,000	-----	-----	-----	-----	-----	160.0	2.700	(mg/kg)	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330
Dibenzo(a,h)anthracene	0.09	0.80	17.0	-----	-----	-----	-----	-----	2.0	0.420	(mg/kg)	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330
Fluoranthene	3,100	82,000	82,000	-----	-----	-----	-----	-----	4,300	4.100	(mg/kg)	<0.330	0.220	<0.330	<0.330	<0.330	<0.330	<0.330
Fluorene	3,100	82,000	82,000	-----	-----	-----	-----	-----	560.0	0.180	(mg/kg)	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330
Indeno(1,2,3-cd)pyrene	0.90	8.0	170.0	-----	-----	-----	-----	-----	14.0	1.600	(mg/kg)	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330
Naphthalene	1,600	41,000	4,100	170	270	1.80	34.0	34.0	12.0	0.200	(mg/kg)	<0.330	1.30	<0.330	<0.330	0.18	<0.330	<0.330
Phenanthrene	2,300(1)	61,000 (1)	61,000 (1)	-----	-----	-----	-----	-----	220(1)	2.500	(mg/kg)	<0.330	0.470	<0.330	<0.330	<0.330	<0.330	<0.330
Pyrene	2,300	61,000	61,000	-----	-----	-----	-----	-----	4,200	3.000	(mg/kg)	<0.330	0.220	<0.330	<0.330	<0.330	<0.330	<0.330

Notes:

mg/kg	Milligrams per kilogram
(1)	Provisional remediation objective provided by IEPA
-----	No remediation objective has been established by the IEPA for this constituent for this exposure route
<12	Not detected at the level identified
	Analytical result exceeds one or more Tier 1 RO

TABLE 3-5
TIER 1 COMPARISON - BTEX AND PAH RESULTS FOR GREATER THAN 10 FT DEPTH
CHAMPAIGN MGP SITE
CHAMPAIGN, ILLINOIS
AMERENIP

	Tier 1 Remediation Objectives - Soil											UTB-24	UTB-25	UTB-26	UTB-27
		Ingestion			*Inhalation*		*Indoor Inhalation*		Soil Component to Groundwater	*MSA Background*		UTB-24-S02	UTB-25-S02	UTB-26-S02	UTB-27-S02
CONSTITUENT	**Residential**	**Commercial**	**Construction**	**Residential**	**Commercial**	**Construction**	**Residential**	**Commercial**	**(Class I)**	**Metropolitan Areas**	**UNITS/ DEPTH**	**12/15/1991 21'-23'**	**12/14/1991 26'-28'**	**12/15/1991 21'-23'**	**12/16/1991 21'-23'**
Benzene	12.0	100	2,300	0.80	1.60	2.20	0.069	0.51	0.030	--	(mg/kg)	0.61	<0.310	<0.310	2.6
Ethylbenzene	7,800	200,000	20,000	400	400	58.0	130.0	130.0	13.0	--	(mg/kg)	<0.310	<0.310	<0.310	<0.310
Toluene	16,000	410,000	410,000	650	650	42.0	240.0	240.0	12.0	--	(mg/kg)	<0.310	<0.310	<0.310	<0.310
Xylene (total)	16,000	410,000	41,000	410	320	5.6	63.0	100.0	150.0	--	(mg/kg)	<0.310	<0.310	<0.310	<0.310
Acenaphthene	4,700	120,000	120,000	-----	-----	-----	-----	-----	570.0	0.130	(mg/kg)	<0.330	<0.330	<0.330	<0.330
Acenaphthylene	2,300(1)	61,000 (1)	61,000 (1)	-----	-----	-----	-----	-----	24.0(1)	0.070	(mg/kg)	<0.330	<0.330	<0.330	<0.330
Anthracene	23,000	610,000	610,000	-----	-----	-----	-----	-----	12,000	0.400	(mg/kg)	<0.330	<0.330	<0.330	<0.330
Benzo(a)anthracene	0.90	8.0	170.0	-----	-----	-----	-----	-----	2.0	1.800	(mg/kg)	<0.330	<0.330	<0.330	<0.330
Benzo(a)pyrene	0.09	0.80	17.0	-----	-----	-----	-----	-----	8.0	2.100	(mg/kg)	<0.330	<0.330	<0.330	<0.330
Benzo(b)fluoranthene	0.90	8.0	170.0	-----	-----	-----	-----	-----	5.0	2.100	(mg/kg)	<0.330	<0.330	<0.330	<0.330
Benzo(ghi)perylene	2,300(1)	61,000 (1)	61,000 (1)	-----	-----	-----	-----	-----	32,000(1)	1.700	(mg/kg)	<0.330	<0.330	<0.330	<0.330
Benzo(k)fluoranthene	9.0	78.0	1,700	-----	-----	-----	-----	-----	49.0	1.700	(mg/kg)	<0.330	<0.330	<0.330	<0.330
Chrysene	88.0	780.0	17,000	-----	-----	-----	-----	-----	160.0	2.700	(mg/kg)	<0.330	<0.330	<0.330	<0.330
Dibenzo(a,h)anthracene	0.09	0.80	17.0	-----	-----	-----	-----	-----	2.0	0.420	(mg/kg)	<0.330	<0.330	<0.330	<0.330
Fluoranthene	3,100	82,000	82,000	-----	-----	-----	-----	-----	4,300	4.100	(mg/kg)	0.23	<0.330	<0.330	<0.330
Fluorene	3,100	82,000	82,000	-----	-----	-----	-----	-----	560.0	0.180	(mg/kg)	<0.330	<0.330	<0.330	<0.330
Indeno(1,2,3-cd)pyrene	0.90	8.0	170.0	-----	-----	-----	-----	-----	14.0	1.600	(mg/kg)	<0.330	<0.330	<0.330	<0.330
Naphthalene	1,600	41,000	4,100	170	270	1.80	34.0	34.0	12.0	0.200	(mg/kg)	0.76	0.39	<0.330	<0.330
Phenanthrene	2,300(1)	61,000 (1)	61,000 (1)	-----	-----	-----	-----	-----	220(1)	2.500	(mg/kg)	0.52	<0.330	<0.330	<0.330
Pyrene	2,300	61,000	61,000	-----	-----	-----	-----	-----	4,200	3.000	(mg/kg)	0.31	<0.330	<0.330	<0.330

Notes:		
	mg/kg	Milligrams per kilogram
	(1)	Provisional remediation objective provided by IEPA
	-----	No remediation objective has been established by the IEPA for this constituent for this exposure route
	<12	Not detected at the level identified
		Analytical result exceeds one or more Tier 1 RO