

**TABLE 5-3
BTEX and PAHs - 3 to 10 Feet
Former MGP Site
Champaign, Illinois
AmerenIP**

Tier 1 Remediation Objectives - Soil										Sample Location:	B-800	B-801	B-802	B-803	B-804	B-805
CONSTITUENT	Soil Ingestion			Soil Inhalation			Soil Component to Groundwater (Class I)	PAH Background Metropolitan Areas	UNITS	Sample ID:	B800 (9.0-10.0')	B801 (9.0-10.0')	B802 (8.5-10.0')	B803 (9.0-10.0')	B804 (8.5-9.5')	B805 (7.0-8.0')
	Residential	Commercial	Construction	Residential	Commercial	Construction				Sample Date:	4/14/2008	4/8/2008	4/15/2008	5/7/2008	4/8/2008	4/9/2008
										Sample Depth (feet):	9.0-10.0	9.0-10.0	8.5-10.0	9.0-10.0	8.5-9.5	7.0-8.0
Benzene	12.0	100	2,300	0.8	1.60	2.20	0.03	---	(mg/kg)		0.0018	0.0027	1.92	0.0008	0.004	0.0033
Ethylbenzene	7,800	200,000	20,000	400	400	58	13	---	(mg/kg)		<0.0045	0.0023	3.11	<0.0052	0.0036	0.0022
Toluene	16,000	410,000	410	650	650	42	12	---	(mg/kg)		0.0034	0.0063	0.11	<0.0052	0.010	0.0065
Xylene (total)	16,000	410,000	41,000	410	320	5.6	150	---	(mg/kg)		0.0011	0.006	3.99	<0.0052	0.0109	0.0042
Acenaphthene	4700	120000	120000	---	---	---	570	0.13	(mg/kg)		<0.040	0.013	9.50	0.026	<0.004	<0.004
Acenaphthylene	2300 ⁽¹⁾	61000 ⁽¹⁾	61000 ⁽¹⁾	---	---	---	85	0.07	(mg/kg)		0.300	0.022	9.63	0.008	<0.004	<0.004
Anthracene	23000	610000	610000	---	---	---	12000	0.40	(mg/kg)		0.304	<0.004	8.89	0.018	<0.004	<0.004
Benzo(a)anthracene	0.9	8.0	170	---	---	---	2.0	1.80	(mg/kg)		2.09	<0.004	5.15	0.015	<0.004	<0.004
Benzo(a)pyrene	0.09	0.80	17.0	---	---	---	8.0	2.10	(mg/kg)		2.56	<0.004	4.59	0.012	<0.004	<0.004
Benzo(b)fluoranthene	0.9	8.0	170	---	---	---	5.0	2.10	(mg/kg)		3.03	<0.004	3.66	0.01	<0.004	<0.004
Benzo(ghi)perylene	2300 ⁽¹⁾	61000 ⁽¹⁾	61000 ⁽¹⁾	---	---	---	27000	1.70	(mg/kg)		1.41	<0.004	1.59	0.005	<0.004	<0.004
Benzo(k)fluoranthene	9.0	78	1700	---	---	---	49.0	1.70	(mg/kg)		1.13	<0.004	1.09	<0.004	<0.004	<0.004
Chrysene	88.0	780	17000	---	---	---	160	2.70	(mg/kg)		2.17	<0.004	5.2	0.014	<0.004	<0.004
Dibenzo(a,h)anthracene	0.09	0.8	17.0	---	---	---	2.0	0.42	(mg/kg)		0.484	<0.004	0.591	<0.004	<0.004	<0.004
Fluoranthene	3100	82000	82000	---	---	---	4300	4.10	(mg/kg)		3.14	<0.004	10.4	0.025	<0.004	<0.004
Fluorene	3100	82000	82000	---	---	---	560	0.18	(mg/kg)		0.062	<0.004	9.83	0.015	<0.004	<0.004
Indeno(1,2,3-cd)pyrene	0.9	8.0	170	---	---	---	14.0	1.60	(mg/kg)		1.42	<0.004	1.28	0.004	<0.004	<0.004
Naphthalene	1600	41000	4100	170	270	1.8	12.0	0.20	(mg/kg)		0.177	<0.004	24.3	0.062	<0.004	<0.004
Phenanthrene	2300 ⁽¹⁾	61000 ⁽¹⁾	61000 ⁽¹⁾	---	---	---	200	2.50	(mg/kg)		1.02	<0.004	31.5	0.063	<0.004	<0.004
Pyrene	2300	61000	61000	---	---	---	4200	3.0	(mg/kg)		3.02	<0.004	15.1	0.037	<0.004	<0.004

⁽¹⁾ Non-TACO or provisional ROs published by the IEPA.

--- No ROs have been established.

Constituent exceeds one or more Tier 1 RO.

<0.001 Laboratory method detection limit exceeds one or more Tier 1 Remedial Objective

mg/kg Milligrams per kilogram

<0.004 Not detected at the detection limit identified.

**TABLE 5-3
BTEX and PAHs - 3 to 10 Feet
Former MGP Site
Champaign, Illinois
AmerenIP**

Tier 1 Remediation Objectives - Soil										Sample Location:	B-806	B-807	B-809	B-811	B-812	B-813
CONSTITUENT	<u>Soil Ingestion</u>			<u>Soil Inhalation</u>			Soil Component to Groundwater (Class I)	PAH Background Metropolitan Areas	UNITS	Sample ID:	B806 (8.5-9.5')	B807 (8.5-9.5')	B809 (9.0-10.0')	B811 (9.0-10.0')	B812 (9.0-10.0')	B813 (6.0-7.0')
	Residential	Commercial	Construction	Residential	Commercial	Construction				Sample Date:	4/8/2008	4/8/2008	5/8/2008	5/5/2008	5/5/2008	4/7/2008
										Sample Depth (feet):	8.5-9.5	8.5-9.5	9.0-10.0	9.0-10.0	9.0-10.0	6.0-7.0
Benzene	12.0	100	2,300	0.8	1.60	2.20	0.03	---	(mg/kg)		<0.0009	0.0022	0.0016	<0.008	0.003	0.0038
Ethylbenzene	7,800	200,000	20,000	400	400	58	13	---	(mg/kg)		<0.0046	0.0017	<0.0043	<0.0042	0.0021	0.0042
Toluene	16,000	410,000	410	650	650	42	12	---	(mg/kg)		0.0018	0.005	0.0014	<0.0042	0.0071	0.0112
Xylene (total)	16,000	410,000	41,000	410	320	5.6	150	---	(mg/kg)		0.0016	0.0036	<0.0043	<0.0042	0.005	0.0117
Acenaphthene	4700	120000	120000	---	---	---	570	0.13	(mg/kg)		<0.004	<0.004	<0.004	0.008	<0.004	<0.004
Acenaphthylene	2300 ⁽¹⁾	61000 ⁽¹⁾	61000 ⁽¹⁾	---	---	---	85	0.07	(mg/kg)		<0.004	<0.004	<0.004	0.017	<0.004	<0.004
Anthracene	23000	610000	610000	---	---	---	12000	0.40	(mg/kg)		<0.004	<0.004	<0.004	<0.004	<0.004	<0.004
Benzo(a)anthracene	0.9	8.0	170	---	---	---	2.0	1.80	(mg/kg)		<0.004	<0.004	0.004	<0.004	<0.004	<0.004
Benzo(a)pyrene	0.09	0.80	17.0	---	---	---	8.0	2.10	(mg/kg)		<0.004	<0.004	<0.004	<0.004	<0.004	<0.004
Benzo(b)fluoranthene	0.9	8.0	170	---	---	---	5.0	2.10	(mg/kg)		<0.004	<0.004	<0.004	<0.004	<0.004	<0.004
Benzo(ghi)perylene	2300 ⁽¹⁾	61000 ⁽¹⁾	61000 ⁽¹⁾	---	---	---	27000	1.70	(mg/kg)		<0.004	<0.004	<0.004	<0.004	<0.004	<0.004
Benzo(k)fluoranthene	9.0	78	1700	---	---	---	49.0	1.70	(mg/kg)		<0.004	<0.004	<0.004	<0.004	<0.004	<0.004
Chrysene	88.0	780	17000	---	---	---	160	2.70	(mg/kg)		<0.004	<0.004	<0.004	<0.004	<0.004	<0.004
Dibenzo(a,h)anthracene	0.09	0.8	17.0	---	---	---	2.0	0.42	(mg/kg)		<0.004	<0.004	<0.004	<0.004	<0.004	<0.004
Fluoranthene	3100	82000	82000	---	---	---	4300	4.10	(mg/kg)		<0.004	<0.004	<0.004	<0.004	<0.004	<0.004
Fluorene	3100	82000	82000	---	---	---	560	0.18	(mg/kg)		<0.004	<0.004	<0.004	<0.004	<0.004	<0.004
Indeno(1,2,3-cd)pyrene	0.9	8.0	170	---	---	---	14.0	1.60	(mg/kg)		<0.004	<0.004	<0.004	<0.004	<0.004	<0.004
Naphthalene	1600	41000	4100	170	270	1.8	12.0	0.20	(mg/kg)		<0.004	<0.004	<0.004	<0.004	<0.004	<0.004
Phenanthrene	2300 ⁽¹⁾	61000 ⁽¹⁾	61000 ⁽¹⁾	---	---	---	200	2.50	(mg/kg)		<0.004	<0.004	<0.004	<0.004	<0.004	<0.004
Pyrene	2300	61000	61000	---	---	---	4200	3.0	(mg/kg)		<0.004	<0.004	<0.004	<0.004	<0.004	<0.004

⁽¹⁾ Non-TACO or provisional ROs published by the IEPA.

--- No ROs have been established.

Constituent exceeds one or more Tier 1 RO.

<0.001 Laboratory method detection limit exceeds one or more Tier 1 Remedial Objective

mg/kg Milligrams per kilogram

<0.004 Not detected at the detection limit identified.

**TABLE 5-3
BTEX and PAHs - 3 to 10 Feet
Former MGP Site
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AmerenIP**

Tier 1 Remediation Objectives - Soil										Sample Location:	B-814	B-815	B-816	B-817	B-818	B-819
CONSTITUENT	<u>Soil Ingestion</u>			<u>Soil Inhalation</u>			Soil Component to Groundwater (Class I)	PAH Background Metropolitan Areas	UNITS	Sample ID:	B814 (7.0-8.0')	B815 (7.0-8.0')	B816 (9.0-10.0')	B817 (8.0-9.0')	B818 (7.0-9.0')	B819 (8.5-9.5')
	Residential	Commercial	Construction	Residential	Commercial	Construction				Sample Date:	4/1/2008	4/7/2008	4/1/2008	4/7/2008	4/1/2008	4/7/2008
										Sample Depth (feet):	7.0-8.0'	7.0-8.0'	9.0-10.0'	8.0-9.0'	7.0-9.0'	8.5-9.5'
Benzene	12.0	100	2,300	0.8	1.60	2.20	0.03	---	(mg/kg)		0.0012	0.0028	0.0015	0.001	<0.0401	<0.0010
Ethylbenzene	7,800	200,000	20,000	400	400	58	13	---	(mg/kg)		<0.0061	0.0023	<0.0061	<0.0046	7.54	<0.0048
Toluene	16,000	410,000	410	650	650	42	12	---	(mg/kg)		0.0018	0.0064	<0.0061	0.0014	<0.201	<0.0048
Xylene (total)	16,000	410,000	41,000	410	320	5.6	150	---	(mg/kg)		0.0013	0.0049	<0.0061	<0.0046	3.95	<0.0048
Acenaphthene	4700	120000	120000	---	---	---	570	0.13	(mg/kg)		<0.004	<0.004	0.013	<0.004	0.943	<0.004
Acenaphthylene	2300 ⁽¹⁾	61000 ⁽¹⁾	61000 ⁽¹⁾	---	---	---	85	0.07	(mg/kg)		<0.004	<0.004	0.009	0.009	0.613	<0.004
Anthracene	23000	610000	610000	---	---	---	12000	0.40	(mg/kg)		<0.004	<0.004	<0.004	<0.004	1.14	<0.004
Benzo(a)anthracene	0.9	8.0	170	---	---	---	2.0	1.80	(mg/kg)		<0.004	<0.004	<0.004	0.016	0.858	<0.004
Benzo(a)pyrene	0.09	0.80	17.0	---	---	---	8.0	2.10	(mg/kg)		<0.004	<0.004	<0.004	0.018	0.921	<0.004
Benzo(b)fluoranthene	0.9	8.0	170	---	---	---	5.0	2.10	(mg/kg)		<0.004	<0.004	<0.004	0.015	0.713	<0.004
Benzo(ghi)perylene	2300 ⁽¹⁾	61000 ⁽¹⁾	61000 ⁽¹⁾	---	---	---	27000	1.70	(mg/kg)		<0.004	<0.004	<0.004	0.010	0.338	<0.004
Benzo(k)fluoranthene	9.0	78	1700	---	---	---	49.0	1.70	(mg/kg)		<0.004	<0.004	<0.004	0.005	0.227	<0.004
Chrysene	88.0	780	17000	---	---	---	160	2.70	(mg/kg)		<0.004	<0.004	<0.004	0.015	0.820	<0.004
Dibenzo(a,h)anthracene	0.09	0.8	17.0	---	---	---	2.0	0.42	(mg/kg)		<0.004	<0.004	<0.004	<0.004	0.099	<0.004
Fluoranthene	3100	82000	82000	---	---	---	4300	4.10	(mg/kg)		<0.004	<0.004	<0.004	0.026	1.82	<0.004
Fluorene	3100	82000	82000	---	---	---	560	0.18	(mg/kg)		<0.004	<0.004	<0.004	<0.004	0.815	<0.004
Indeno(1,2,3-cd)pyrene	0.9	8.0	170	---	---	---	14.0	1.60	(mg/kg)		<0.004	<0.004	<0.004	0.008	0.293	<0.004
Naphthalene	1600	41000	4100	170	270	1.8	12.0	0.20	(mg/kg)		<0.004	<0.004	<0.004	<0.004	0.082	<0.004
Phenanthrene	2300 ⁽¹⁾	61000 ⁽¹⁾	61000 ⁽¹⁾	---	---	---	200	2.50	(mg/kg)		<0.004	<0.004	<0.004	0.009	3.77	<0.004
Pyrene	2300	61000	61000	---	---	---	4200	3.0	(mg/kg)		<0.004	<0.004	0.005	0.056	2.64	<0.004

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--- No ROs have been established.

Constituent exceeds one or more Tier 1 RO.

<0.001 Laboratory method detection limit exceeds one or more Tier 1 Remedial Objective

mg/kg Milligrams per kilogram

<0.004 Not detected at the detection limit identified.

**TABLE 5-3
BTEX and PAHs - 3 to 10 Feet
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AmerenIP**

Tier 1 Remediation Objectives - Soil							Soil Component to Groundwater (Class I)	PAH Background Metropolitan Areas	UNITS	Sample Location: Sample ID: Sample Date: Sample Depth (feet):	B-820 (8.5-9.5')	B-821 (9.0-10.0')	B-822 (7.0-8.0')	B-822 (6.0-8.0')	B-823 (3.0-4.0')	B-823 (9.0-10.0')		
CONSTITUENT	<u>Soil Ingestion</u>			<u>Soil Inhalation</u>			Residential	Commercial	Construction	Residential	Commercial	Construction	Residential	Commercial	Construction	Residential	Commercial	Construction
	Residential	Commercial	Construction	Residential	Commercial	Construction												
Benzene	12.0	100	2,300	0.8	1.60	2.20	0.03	---	(mg/kg)	4/4/2008	8.5-9.5	B820 (8.5-9.5')	B821 (9.0-10.0')	B822 (7.0-8.0')	B822 (6.0-8.0')	B823 (3.0-4.0')	B823 (9.0-10.0')	4/1/2008
Ethylbenzene	7,800	200,000	20,000	400	400	58	13	---	(mg/kg)	4/4/2008	9.0-10.0	8.5-9.5	9.0-10.0	7.0-8.0'	6.0-8.0'	3.0-4.0'	9.0-10.0'	4/1/2008
Toluene	16,000	410,000	410	650	650	42	12	---	(mg/kg)	4/4/2008	8.5-9.5	8.5-9.5	9.0-10.0	7.0-8.0'	6.0-8.0'	3.0-4.0'	9.0-10.0'	4/1/2008
Xylene (total)	16,000	410,000	41,000	410	320	5.6	150	---	(mg/kg)	4/4/2008	8.5-9.5	8.5-9.5	9.0-10.0	7.0-8.0'	6.0-8.0'	3.0-4.0'	9.0-10.0'	4/1/2008
Acenaphthene	4700	120000	120000	---	---	---	570	0.13	(mg/kg)	4/4/2008	8.5-9.5	8.5-9.5	9.0-10.0	7.0-8.0'	6.0-8.0'	3.0-4.0'	9.0-10.0'	4/1/2008
Acenaphthylene	2300 ⁽¹⁾	61000 ⁽¹⁾	61000 ⁽¹⁾	---	---	---	85	0.07	(mg/kg)	4/4/2008	8.5-9.5	8.5-9.5	9.0-10.0	7.0-8.0'	6.0-8.0'	3.0-4.0'	9.0-10.0'	4/1/2008
Anthracene	23000	610000	610000	---	---	---	12000	0.40	(mg/kg)	4/4/2008	8.5-9.5	8.5-9.5	9.0-10.0	7.0-8.0'	6.0-8.0'	3.0-4.0'	9.0-10.0'	4/1/2008
Benzo(a)anthracene	0.9	8.0	170	---	---	---	2.0	1.80	(mg/kg)	4/4/2008	8.5-9.5	8.5-9.5	9.0-10.0	7.0-8.0'	6.0-8.0'	3.0-4.0'	9.0-10.0'	4/1/2008
Benzo(a)pyrene	0.09	0.80	17.0	---	---	---	8.0	2.10	(mg/kg)	4/4/2008	8.5-9.5	8.5-9.5	9.0-10.0	7.0-8.0'	6.0-8.0'	3.0-4.0'	9.0-10.0'	4/1/2008
Benzo(b)fluoranthene	0.9	8.0	170	---	---	---	5.0	2.10	(mg/kg)	4/4/2008	8.5-9.5	8.5-9.5	9.0-10.0	7.0-8.0'	6.0-8.0'	3.0-4.0'	9.0-10.0'	4/1/2008
Benzo(ghi)perylene	2300 ⁽¹⁾	61000 ⁽¹⁾	61000 ⁽¹⁾	---	---	---	27000	1.70	(mg/kg)	4/4/2008	8.5-9.5	8.5-9.5	9.0-10.0	7.0-8.0'	6.0-8.0'	3.0-4.0'	9.0-10.0'	4/1/2008
Benzo(k)fluoranthene	9.0	78	1700	---	---	---	49.0	1.70	(mg/kg)	4/4/2008	8.5-9.5	8.5-9.5	9.0-10.0	7.0-8.0'	6.0-8.0'	3.0-4.0'	9.0-10.0'	4/1/2008
Chrysene	88.0	780	17000	---	---	---	160	2.70	(mg/kg)	4/4/2008	8.5-9.5	8.5-9.5	9.0-10.0	7.0-8.0'	6.0-8.0'	3.0-4.0'	9.0-10.0'	4/1/2008
Dibenzo(a,h)anthracene	0.09	0.8	17.0	---	---	---	2.0	0.42	(mg/kg)	4/4/2008	8.5-9.5	8.5-9.5	9.0-10.0	7.0-8.0'	6.0-8.0'	3.0-4.0'	9.0-10.0'	4/1/2008
Fluoranthene	3100	82000	82000	---	---	---	4300	4.10	(mg/kg)	4/4/2008	8.5-9.5	8.5-9.5	9.0-10.0	7.0-8.0'	6.0-8.0'	3.0-4.0'	9.0-10.0'	4/1/2008
Fluorene	3100	82000	82000	---	---	---	560	0.18	(mg/kg)	4/4/2008	8.5-9.5	8.5-9.5	9.0-10.0	7.0-8.0'	6.0-8.0'	3.0-4.0'	9.0-10.0'	4/1/2008
Indeno(1,2,3-cd)pyrene	0.9	8.0	170	---	---	---	14.0	1.60	(mg/kg)	4/4/2008	8.5-9.5	8.5-9.5	9.0-10.0	7.0-8.0'	6.0-8.0'	3.0-4.0'	9.0-10.0'	4/1/2008
Naphthalene	1600	41000	4100	170	270	1.8	12.0	0.20	(mg/kg)	4/4/2008	8.5-9.5	8.5-9.5	9.0-10.0	7.0-8.0'	6.0-8.0'	3.0-4.0'	9.0-10.0'	4/1/2008
Phenanthrene	2300 ⁽¹⁾	61000 ⁽¹⁾	61000 ⁽¹⁾	---	---	---	200	2.50	(mg/kg)	4/4/2008	8.5-9.5	8.5-9.5	9.0-10.0	7.0-8.0'	6.0-8.0'	3.0-4.0'	9.0-10.0'	4/1/2008
Pyrene	2300	61000	61000	---	---	---	4200	3.0	(mg/kg)	4/4/2008	8.5-9.5	8.5-9.5	9.0-10.0	7.0-8.0'	6.0-8.0'	3.0-4.0'	9.0-10.0'	4/1/2008

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Constituent exceeds one or more Tier 1 RO.

<0.001 Laboratory method detection limit exceeds one or more Tier 1 Remedial Objective

mg/kg Milligrams per kilogram

<0.004 Not detected at the detection limit identified.

**TABLE 5-3
BTEX and PAHs - 3 to 10 Feet
Former MGP Site
Champaign, Illinois
AmerenIP**

Tier 1 Remediation Objectives - Soil										Sample Location:	B-824	B-825	B-826	B-827	B-828	B-829
CONSTITUENT	<u>Soil Ingestion</u>			<u>Soil Inhalation</u>			Soil Component to Groundwater (Class I)	PAH Background Metropolitan Areas	UNITS	Sample ID:	B824 (9.0-10.0')	B825 (8.0-9.0')	B826 (8.0-9.0')	B827 (7.0-8.0')	B828 (9.0-10.0)	B829 (6.0-7.0')
	Residential	Commercial	Construction	Residential	Commercial	Construction				Sample Date:	4/4/2008	4/3/2008	4/3/2008	4/2/2008	4/3/2008	4/2/2008
										Sample Depth (feet):	9.0-10.0'	8.0-9.0	8.0-9.0	7.0-8.0'	9.0-10.0	6.0-7.0'
Benzene	12.0	100	2,300	0.8	1.60	2.20	0.03	---	(mg/kg)		<0.0235	0.0023	0.002	<0.0227	0.0314	0.253
Ethylbenzene	7,800	200,000	20,000	400	400	58	13	---	(mg/kg)		0.034	0.0021	0.0017	<0.113	0.0534	0.066
Toluene	16,000	410,000	410	650	650	42	12	---	(mg/kg)		<0.118	0.0062	0.0042	<0.113	0.0109	<0.132
Xylene (total)	16,000	410,000	41,000	410	320	5.6	150	---	(mg/kg)		<0.118	0.0048	0.0042	<0.113	0.0322	0.061
Acenaphthene	4700	120000	120000	---	---	---	570	0.13	(mg/kg)		0.148	<0.004	<0.004	0.031	0.004	2.0
Acenaphthylene	2300 ⁽¹⁾	61000 ⁽¹⁾	61000 ⁽¹⁾	---	---	---	85	0.07	(mg/kg)		0.515	<0.004	<0.004	0.072	<0.004	0.240
Anthracene	23000	610000	610000	---	---	---	12000	0.40	(mg/kg)		0.639	<0.004	<0.004	0.016	<0.004	0.975
Benzo(a)anthracene	0.9	8.0	170	---	---	---	170	1.80	(mg/kg)		0.585	<0.004	0.004	0.019	<0.004	0.673
Benzo(a)pyrene	0.09	0.80	17.0	---	---	---	8.0	2.10	(mg/kg)		0.673	<0.004	<0.004	0.059	<0.004	0.545
Benzo(b)fluoranthene	0.9	8.0	170	---	---	---	5.0	2.10	(mg/kg)		0.301	<0.004	<0.004	0.082	<0.004	0.513
Benzo(ghi)perylene	2300 ⁽¹⁾	61000 ⁽¹⁾	61000 ⁽¹⁾	---	---	---	27000	1.70	(mg/kg)		0.308	<0.004	<0.004	0.053	<0.004	0.227
Benzo(k)fluoranthene	9.0	78	1700	---	---	---	49.0	1.70	(mg/kg)		0.375	<0.004	<0.004	0.019	<0.004	0.179
Chrysene	88.0	780	17000	---	---	---	160	2.70	(mg/kg)		0.550	<0.004	<0.004	0.018	<0.004	0.625
Dibenzo(a,h)anthracene	0.09	0.8	17.0	---	---	---	2.0	0.42	(mg/kg)		0.076	<0.004	<0.004	0.015	<0.004	0.071
Fluoranthene	3100	82000	82000	---	---	---	4300	4.10	(mg/kg)		1.01	0.004	0.005	0.019	<0.004	1.68
Fluorene	3100	82000	82000	---	---	---	560	0.18	(mg/kg)		0.666	<0.004	<0.004	0.043	<0.004	1.38
Indeno(1,2,3-cd)pyrene	0.9	8.0	170	---	---	---	14.0	1.60	(mg/kg)		0.240	<0.004	<0.004	0.047	<0.004	0.194
Naphthalene	1600	41000	4100	170	270	1.8	12.0	0.20	(mg/kg)		<0.02	0.008	<0.004	<0.008	0.023	0.063
Phenanthrene	2300 ⁽¹⁾	61000 ⁽¹⁾	61000 ⁽¹⁾	---	---	---	200	2.50	(mg/kg)		2.38	0.007	0.006	0.008	<0.004	4.10
Pyrene	2300	61000	61000	---	---	---	4200	3.0	(mg/kg)		1.51	<0.004	0.004	0.099	<0.004	2.03

⁽¹⁾ Non-TACO or provisional ROs published by the IEPA.

--- No ROs have been established.

Constituent exceeds one or more Tier 1 RO.

<0.001 Laboratory method detection limit exceeds one or more Tier 1 Remedial Objective

mg/kg Milligrams per kilogram

<0.004 Not detected at the detection limit identified.

**TABLE 5-3
BTEX and PAHs - 3 to 10 Feet
Former MGP Site
Champaign, Illinois
AmerenIP**

Tier 1 Remediation Objectives - Soil										Sample Location:	B-830	B-831	B-832	B-833	B-834	B-837
CONSTITUENT	<u>Soil Ingestion</u>			<u>Soil Inhalation</u>			Soil Component to Groundwater (Class I)	PAH Background Metropolitan Areas	UNITS	Sample ID:	B830 (8.0-9.0')	B831 (9.0-10.0')	B832 (7.0-8.0')	B833 (9.0-10.0')	B834 (6.0-7.0')	B837 (9.0-10.0')
	Residential	Commercial	Construction	Residential	Commercial	Construction				Sample Date:	4/3/2008	4/3/2008	4/4/2008	4/2/2008	4/4/2008	4/14/2008
										Sample Depth (feet):	8.0-9.0	9.0-10.0	7.0-8.0	9.0-10.0'	6.0-7.0	9.0-10.0
Benzene	12.0	100	2,300	0.8	1.60	2.20	0.03	---	(mg/kg)		0.0015	8.45	<0.0011	13.20	<0.0256	0.0034
Ethylbenzene	7,800	200,000	20,000	400	400	58	13	---	(mg/kg)		<0.0058	32.6	<0.0056	5.50	<0.128	<0.0039
Toluene	16,000	410,000	410	650	650	42	12	---	(mg/kg)		0.0021	18.8	<0.0056	34.90	<0.128	0.0014
Xylene (total)	16,000	410,000	41,000	410	320	5.6	150	---	(mg/kg)		0.0014	105.0	<0.0056	54.0	<0.128	0.0011
Acenaphthene	4700	120000	120000	---	---	---	570	0.13	(mg/kg)		<0.004	53.4	<0.004	3.09	0.478	<0.004
Acenaphthylene	2300 ⁽¹⁾	61000 ⁽¹⁾	61000 ⁽¹⁾	---	---	---	85	0.07	(mg/kg)		<0.004	11.0	<0.004	11.70	0.052	<0.004
Anthracene	23000	610000	610000	---	---	---	12000	0.40	(mg/kg)		<0.004	33.2	<0.004	11.0	0.287	<0.004
Benzo(a)anthracene	0.9	8.0	170	---	---	---	2.0	1.80	(mg/kg)		<0.004	22.3	<0.004	6.26	0.133	<0.004
Benzo(a)pyrene	0.09	0.80	17.0	---	---	---	8.0	2.10	(mg/kg)		<0.004	17.1	<0.004	4.38	0.075	<0.004
Benzo(b)fluoranthene	0.9	8.0	170	---	---	---	5.0	2.10	(mg/kg)		<0.004	18.0	<0.004	4.86	0.073	<0.004
Benzo(ghi)perylene	2300 ⁽¹⁾	61000 ⁽¹⁾	61000 ⁽¹⁾	---	---	---	27000	1.70	(mg/kg)		<0.004	6.17	<0.004	1.30	0.033	<0.004
Benzo(k)fluoranthene	9.0	78	1700	---	---	---	49.0	1.70	(mg/kg)		<0.004	6.95	<0.004	1.93	0.026	<0.004
Chrysene	88.0	780	17000	---	---	---	160	2.70	(mg/kg)		<0.004	20.5	<0.004	5.35	0.134	<0.004
Dibenzo(a,h)anthracene	0.09	0.8	17.0	---	---	---	2.0	0.42	(mg/kg)		<0.004	2.28	<0.004	0.517	0.010	<0.004
Fluoranthene	3100	82000	82000	---	---	---	4300	4.10	(mg/kg)		<0.004	54.4	<0.004	17.0	0.388	<0.004
Fluorene	3100	82000	82000	---	---	---	560	0.18	(mg/kg)		<0.004	45.3	<0.004	14.2	0.354	<0.004
Indeno(1,2,3-cd)pyrene	0.9	8.0	170	---	---	---	14.0	1.60	(mg/kg)		<0.004	6.30	<0.004	1.43	0.028	<0.004
Naphthalene	1600	41000	4100	170	270	1.8	12.0	0.20	(mg/kg)		<0.004	274.0	<0.004	52.2	0.005	<0.004
Phenanthrene	2300 ⁽¹⁾	61000 ⁽¹⁾	61000 ⁽¹⁾	---	---	---	200	2.50	(mg/kg)		<0.004	103.0	<0.004	36.5	0.365	<0.004
Pyrene	2300	61000	61000	---	---	---	4200	3.0	(mg/kg)		<0.004	48.9	<0.004	14.3	0.498	<0.004

⁽¹⁾ Non-TACO or provisional ROs published by the IEPA.

--- No ROs have been established.

Constituent exceeds one or more Tier 1 RO.

<0.001 Laboratory method detection limit exceeds one or more Tier 1 Remedial Objective

mg/kg Milligrams per kilogram

<0.004 Not detected at the detection limit identified.

**TABLE 5-3
BTEX and PAHs - 3 to 10 Feet
Former MGP Site
Champaign, Illinois
AmerenIP**

Tier 1 Remediation Objectives - Soil										Sample Location:						
CONSTITUENT	<u>Soil Ingestion</u>			<u>Soil Inhalation</u>			Soil Component to Groundwater (Class I)	PAH Background Metropolitan Areas	UNITS	Sample ID:	B-838	B-839	B-840	B-843	B-844	B-845
	Residential	Commercial	Construction	Residential	Commercial	Construction				Sample Date:	B838 (9.0-10.0')	B839 (6.0-7.0')	B840 (7.0-8.0')	B843 (7.0-8.0')	B844 (8.0-9.0')	B845 (6.0-7.0')
									Sample Depth (feet):	9.0-10.0	6.0-7.0	7.0-8.0	7.0-8.0	8.0-9.0	6.0-7.0	
Benzene	12.0	100	2,300	0.8	1.60	2.20	0.03	---	(mg/kg)	0.0027	<0.0009	<0.001	0.0031	0.0031	0.0025	
Ethylbenzene	7,800	200,000	20,000	400	400	58	13	---	(mg/kg)	0.0018	<0.0043	<0.0049	0.0028	0.0079	0.0022	
Toluene	16,000	410,000	410	650	650	42	12	---	(mg/kg)	0.0064	<0.0043	<0.0049	0.0061	0.0055	0.0072	
Xylene (total)	16,000	410,000	41,000	410	320	5.6	150	---	(mg/kg)	0.0035	<0.0043	<0.0049	0.0044	0.0111	0.0048	
Acenaphthene	4700	120000	120000	---	---	---	570	0.13	(mg/kg)	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	
Acenaphthylene	2300 ⁽¹⁾	61000 ⁽¹⁾	61000 ⁽¹⁾	---	---	---	85	0.07	(mg/kg)	<0.004	<0.004	<0.004	<0.004	0.014	<0.004	
Anthracene	23000	610000	610000	---	---	---	12000	0.40	(mg/kg)	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	
Benzo(a)anthracene	0.9	8.0	170	---	---	---	2.0	1.80	(mg/kg)	<0.004	<0.004	<0.004	<0.004	0.02	<0.004	
Benzo(a)pyrene	0.09	0.80	17.0	---	---	---	8.0	2.10	(mg/kg)	<0.004	<0.004	<0.004	<0.004	0.028	<0.004	
Benzo(b)fluoranthene	0.9	8.0	170	---	---	---	5.0	2.10	(mg/kg)	<0.004	<0.004	<0.004	<0.004	0.024	<0.004	
Benzo(ghi)perylene	2300 ⁽¹⁾	61000 ⁽¹⁾	61000 ⁽¹⁾	---	---	---	27000	1.70	(mg/kg)	<0.004	<0.004	<0.004	<0.004	0.014	<0.004	
Benzo(k)fluoranthene	9.0	78	1700	---	---	---	49.0	1.70	(mg/kg)	<0.004	<0.004	<0.004	<0.004	0.007	<0.004	
Chrysene	88.0	780	17000	---	---	---	160	2.70	(mg/kg)	<0.004	<0.004	<0.004	<0.004	0.018	<0.004	
Dibenzo(a,h)anthracene	0.09	0.8	17.0	---	---	---	2.0	0.42	(mg/kg)	<0.004	<0.004	<0.004	<0.004	0.004	<0.004	
Fluoranthene	3100	82000	82000	---	---	---	4300	4.10	(mg/kg)	<0.004	<0.004	<0.004	<0.004	0.016	<0.004	
Fluorene	3100	82000	82000	---	---	---	560	0.18	(mg/kg)	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	
Indeno(1,2,3-cd)pyrene	0.9	8.0	170	---	---	---	14.0	1.60	(mg/kg)	<0.004	<0.004	<0.004	<0.004	0.011	<0.004	
Naphthalene	1600	41000	4100	170	270	1.8	12.0	0.20	(mg/kg)	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	
Phenanthrene	2300 ⁽¹⁾	61000 ⁽¹⁾	61000 ⁽¹⁾	---	---	---	200	2.50	(mg/kg)	<0.004	<0.004	<0.004	<0.004	<0.004	0.004	
Pyrene	2300	61000	61000	---	---	---	4200	3.0	(mg/kg)	<0.004	<0.004	<0.004	<0.004	0.039	<0.004	

⁽¹⁾ Non-TACO or provisional ROs published by the IEPA.

--- No ROs have been established.

Constituent exceeds one or more Tier 1 RO.

<0.001 Laboratory method detection limit exceeds one or more Tier 1 Remedial Objective

mg/kg Milligrams per kilogram

<0.004 Not detected at the detection limit identified.

**TABLE 5-3
BTEX and PAHs - 3 to 10 Feet
Former MGP Site
Champaign, Illinois
AmerenIP**

Tier 1 Remediation Objectives - Soil										Sample Location:	B-846	B-847	B-848	B-849	B-850	B-852
CONSTITUENT	<u>Soil Ingestion</u>			<u>Soil Inhalation</u>			Soil Component to Groundwater (Class I)	PAH Background Metropolitan Areas	UNITS	Sample ID:	B846 (8.5-9.5')	B847 (6.0-7.0')	B848 (9.0-10.0')	B849 (9.0-10.0')	B850 (8.0-9.0')	B852 (9.0-10.0')
	Residential	Commercial	Construction	Residential	Commercial	Construction				Sample Date:	5/7/2008	5/7/2008	5/7/2008	5/7/2008	5/8/2008	5/9/2008
										Sample Depth (feet):	8.5-9.5	6.0-7.0	9.0-10.0	9.0-10.0	8.0-9.0	9.0-10.0
Benzene	12.0	100	2,300	0.8	1.60	2.20	0.03	---	(mg/kg)		0.438	0.0027	0.0058	0.0026	0.0209	0.0025
Ethylbenzene	7,800	200,000	20,000	400	400	58	13	---	(mg/kg)		10.1	0.003	0.0039	0.0021	0.0303	0.0016
Toluene	16,000	410,000	410	650	650	42	12	---	(mg/kg)		<0.648	0.0068	0.0117	0.0057	0.006	0.005
Xylene (total)	16,000	410,000	41,000	410	320	5.6	150	---	(mg/kg)		8.82	0.0057	0.0072	0.0046	0.0584	0.004
Acenaphthene	4700	120000	120000	---	---	---	570	0.13	(mg/kg)		1.87	<0.004	<0.004	<0.004	0.165	<0.004
Acenaphthylene	2300 ⁽¹⁾	61000 ⁽¹⁾	61000 ⁽¹⁾	---	---	---	85	0.07	(mg/kg)		0.312	<0.004	<0.004	<0.004	0.026	<0.004
Anthracene	23000	610000	610000	---	---	---	12000	0.40	(mg/kg)		0.928	<0.004	<0.004	<0.004	0.010	<0.004
Benzo(a)anthracene	0.9	8.0	170	---	---	---	2.0	1.80	(mg/kg)		0.523	0.004	<0.004	<0.004	<0.004	<0.004
Benzo(a)pyrene	0.09	0.80	17.0	---	---	---	8.0	2.10	(mg/kg)		0.469	<0.004	<0.004	<0.004	<0.004	<0.004
Benzo(b)fluoranthene	0.9	8.0	170	---	---	---	5.0	2.10	(mg/kg)		0.356	<0.004	<0.004	<0.004	<0.004	<0.004
Benzo(ghi)perylene	2300 ⁽¹⁾	61000 ⁽¹⁾	61000 ⁽¹⁾	---	---	---	27000	1.70	(mg/kg)		0.173	<0.004	<0.004	<0.004	<0.004	<0.004
Benzo(k)fluoranthene	9.0	78	1700	---	---	---	49.0	1.70	(mg/kg)		0.109	<0.004	<0.004	<0.004	<0.004	<0.004
Chrysene	88.0	780	17000	---	---	---	160	2.70	(mg/kg)		0.518	<0.004	<0.004	<0.004	<0.004	<0.004
Dibenzo(a,h)anthracene	0.09	0.8	17.0	---	---	---	2.0	0.42	(mg/kg)		0.049	<0.004	<0.004	<0.004	<0.004	<0.004
Fluoranthene	3100	82000	82000	---	---	---	4300	4.10	(mg/kg)		1.08	0.005	<0.004	<0.004	<0.004	<0.004
Fluorene	3100	82000	82000	---	---	---	560	0.18	(mg/kg)		0.941	<0.004	<0.004	<0.004	0.033	<0.004
Indeno(1,2,3-cd)pyrene	0.9	8.0	170	---	---	---	14.0	1.60	(mg/kg)		0.142	<0.004	<0.004	<0.004	<0.004	<0.004
Naphthalene	1600	41000	4100	170	270	1.8	12.0	0.20	(mg/kg)		5.44	<0.004	<0.004	<0.004	0.129	<0.004
Phenanthrene	2300 ⁽¹⁾	61000 ⁽¹⁾	61000 ⁽¹⁾	---	---	---	200	2.50	(mg/kg)		2.78	0.011	<0.004	<0.004	0.054	<0.004
Pyrene	2300	61000	61000	---	---	---	4200	3.0	(mg/kg)		1.61	0.006	<0.004	<0.004	<0.004	<0.004

⁽¹⁾ Non-TACO or provisional ROs published by the IEPA.
 --- No ROs have been established.
 --- Constituent exceeds one or more Tier 1 RO.
 <0.001 Laboratory method detection limit exceeds one or more Tier 1 Remedial Objective
 mg/kg Milligrams per kilogram
 <0.004 Not detected at the detection limit identified.

**TABLE 5-3
BTEX and PAHs - 3 to 10 Feet
Former MGP Site
Champaign, Illinois
AmerenIP**

Tier 1 Remediation Objectives - Soil										Sample Location:	B-853	B-854	B-855	B-501	B-502	B-503
CONSTITUENT	<u>Soil Ingestion</u>			<u>Soil Inhalation</u>			Soil Component to Groundwater	PAH Background	UNITS	Sample ID:	B852 (4.0-5.0 ft)	B852 (7.0-8.0 ft)	B852 (6.0-7.0 ft)	B-501-8	B-502-7	B-503-10
	Residential	Commercial	Construction	Residential	Commercial	Construction	(Class I)	Metropolitan Areas		Sample Date:	6/23/2008	6/24/2008	6/26/2008	7/13/2004	7/13/2004	7/13/2004
										Sample Depth (feet):	4.0-5.0	7.0-8.0	6.0-7.0	7'-8'	6'-7'	9'-10'
Benzene	12.0	100	2,300	0.8	1.60	2.20	0.03	---	(mg/kg)		<0.0009	0.0082	0.0035	0.183	10.90	0.534
Ethylbenzene	7,800	200,000	20,000	400	400	58	13	---	(mg/kg)		<0.0045	0.0019	0.0036	0.041	5.66	0.523
Toluene	16,000	410,000	410	650	650	42	12	---	(mg/kg)		0.0011	0.0072	0.0091	<0.0246	0.22	0.30
Xylene (total)	16,000	410,000	41,000	410	320	5.6	150	---	(mg/kg)		0.0016	0.0046	0.0073	0.041	11.0	0.837
Acenaphthene	4700	120000	120000	---	---	---	570	0.13	(mg/kg)		<0.004	<0.004	<0.004	0.050	16.0	1.60
Acenaphthylene	2300 ⁽¹⁾	61000 ⁽¹⁾	61000 ⁽¹⁾	---	---	---	85	0.07	(mg/kg)		<0.004	<0.004	<0.004	0.240	2.70	0.32
Anthracene	23000	610000	610000	---	---	---	12000	0.40	(mg/kg)		<0.004	<0.004	<0.004	0.180	12.0	1.40
Benzo(a)anthracene	0.9	8.0	170	---	---	---	2.0	1.80	(mg/kg)		0.005	<0.004	<0.004	0.180	8.70	0.63
Benzo(a)pyrene	0.09	0.80	17.0	---	---	---	8.0	2.10	(mg/kg)		<0.004	<0.004	<0.004	0.270	4.10	0.52
Benzo(b)fluoranthene	0.9	8.0	170	---	---	---	5.0	2.10	(mg/kg)		0.004	<0.004	<0.004	0.250	18.0	0.63
Benzo(ghi)perylene	2300 ⁽¹⁾	61000 ⁽¹⁾	61000 ⁽¹⁾	---	---	---	27000	1.70	(mg/kg)		<0.004	<0.004	<0.004	0.063	4.0	0.11
Benzo(k)fluoranthene	9.0	78	1700	---	---	---	49.0	1.70	(mg/kg)		<0.004	<0.004	<0.004	0.097	5.60	0.24
Chrysene	88.0	780	17000	---	---	---	160	2.70	(mg/kg)		<0.004	<0.004	<0.004	0.170	19.0	0.65
Dibenzo(a,h)anthracene	0.09	0.8	17.0	---	---	---	2.0	0.42	(mg/kg)		<0.004	<0.004	<0.004	<0.030	1.90	0.045
Fluoranthene	3100	82000	82000	---	---	---	4300	4.10	(mg/kg)		0.005	<0.004	<0.004	0.340	17.0	1.80
Fluorene	3100	82000	82000	---	---	---	560	0.18	(mg/kg)		<0.004	<0.004	<0.004	0.330	20.0	1.20
Indeno(1,2,3-cd)pyrene	0.9	8.0	170	---	---	---	14.0	1.60	(mg/kg)		<0.004	<0.004	<0.004	0.064	4.70	0.13
Naphthalene	1600	41000	4100	170	270	1.8	12.0	0.20	(mg/kg)		<0.004	<0.004	<0.004	<0.030	59.0	16.0
Phenanthrene	2300 ⁽¹⁾	61000 ⁽¹⁾	61000 ⁽¹⁾	---	---	---	200	2.50	(mg/kg)		<0.004	<0.004	<0.004	0.038	50.0	3.50
Pyrene	2300	61000	61000	---	---	---	4200	3.0	(mg/kg)		0.005	<0.004	<0.004	0.50	25.0	1.50

⁽¹⁾ Non-TACO or provisional ROs published by the IEPA.

--- No ROs have been established.

Constituent exceeds one or more Tier 1 RO.

<0.001 Laboratory method detection limit exceeds one or more Tier 1 Remedial Objective

mg/kg Milligrams per kilogram

<0.004 Not detected at the detection limit identified.

**TABLE 5-3
BTEX and PAHs - 3 to 10 Feet
Former MGP Site
Champaign, Illinois
AmerenIP**

Tier 1 Remediation Objectives - Soil										Sample Location:	B-504	B-505	B-506	B-507	B-508	B-509
CONSTITUENT	<u>Soil Ingestion</u>			<u>Soil Inhalation</u>			Soil Component to Groundwater (Class I)	PAH Background Metropolitan Areas	UNITS	Sample ID:	B-504-7	B-505-6	B-506-7	B-507-8	B-508-9	B-509-8
	Residential	Commercial	Construction	Residential	Commercial	Construction				Sample Date:	7/13/2004	7/14/2004	7/22/2004	7/21/2004	7/19/2004	7/21/2004
										Sample Depth (feet):	6'-7'	5'-6'	6'-7'	7'-8'	8'-9'	7'-8'
Benzene	12.0	100	2,300	0.8	1.60	2.20	0.03	---	(mg/kg)		20.8	14.50	11.20	3.51	2.08	0.0046
Ethylbenzene	7,800	200,000	20,000	400	400	58	13	---	(mg/kg)		145	79.80	46.20	22.20	33.10	0.0038
Toluene	16,000	410,000	410	650	650	42	12	---	(mg/kg)		10.9	3.80	0.74	0.28	0.575	0.0014
Xylene (total)	16,000	410,000	41,000	410	320	5.6	150	---	(mg/kg)		140	69.90	33.70	16.60	24.30	0.012
Acenaphthene	4700	120000	120000	---	---	---	570	0.13	(mg/kg)		590.0	540.0	170.0	53.0	51.0	9.80
Acenaphthylene	2300 ⁽¹⁾	61000 ⁽¹⁾	61000 ⁽¹⁾	---	---	---	85	0.07	(mg/kg)		71.0	81.0	12.0	3.60	5.80	4.70
Anthracene	23000	610000	610000	---	---	---	12000	0.40	(mg/kg)		300.0	280.0	71.0	24.0	22.0	7.20
Benzo(a)anthracene	0.9	8.0	170	---	---	---	2.0	1.80	(mg/kg)		170.0	140.0	33.0	9.50	12.0	9.40
Benzo(a)pyrene	0.09	0.80	17.0	---	---	---	8.0	2.10	(mg/kg)		130.0	140.0	35.0	12.0	10.0	8.70
Benzo(b)fluoranthene	0.9	8.0	170	---	---	---	5.0	2.10	(mg/kg)		110.0	130.0	29.0	7.90	7.90	6.80
Benzo(ghi)perylene	2300 ⁽¹⁾	61000 ⁽¹⁾	61000 ⁽¹⁾	---	---	---	27000	1.70	(mg/kg)		<50.0	31.0	7.20	2.40	4.50	2.80
Benzo(k)fluoranthene	9.0	78	1700	---	---	---	49.0	1.70	(mg/kg)		<43.0	45.0	7.40	2.30	3.10	2.50
Chrysene	88.0	780	17000	---	---	---	160	2.70	(mg/kg)		150.0	140.0	33.0	8.80	11.0	9.0
Dibenzo(a,h)anthracene	0.09	0.8	17.0	---	---	---	2.0	0.42	(mg/kg)		<44.0	10.0	2.30	0.72	<3.0	<0.620
Fluoranthene	3100	82000	82000	---	---	---	4300	4.10	(mg/kg)		320.0	290.0	78.0	26.0	23.0	18.0
Fluorene	3100	82000	82000	---	---	---	560	0.18	(mg/kg)		410.0	400.0	90.0	35.0	30.0	13.0
Indeno(1,2,3-cd)pyrene	0.9	8.0	170	---	---	---	14.0	1.60	(mg/kg)		<47.00	35.0	6.0	2.30	3.50	2.40
Naphthalene	1600	41000	4100	170	270	1.8	12.0	0.20	(mg/kg)		2000.0	2300.0	790.0	170.0	140.0	<0.880
Phenanthrene	2300 ⁽¹⁾	61000 ⁽¹⁾	61000 ⁽¹⁾	---	---	---	200	2.50	(mg/kg)		1100.0	920.0	250.0	77.0	64.0	37.0
Pyrene	2300	61000	61000	---	---	---	4200	3.0	(mg/kg)		440.0	400.0	110.0	37.0	33.0	25.0

⁽¹⁾ Non-TACO or provisional ROs published by the IEPA.

--- No ROs have been established.

Constituent exceeds one or more Tier 1 RO.

<0.001 Laboratory method detection limit exceeds one or more Tier 1 Remedial Objective

mg/kg Milligrams per kilogram

<0.004 Not detected at the detection limit identified.

**TABLE 5-3
BTEX and PAHs - 3 to 10 Feet
Former MGP Site
Champaign, Illinois
AmerenIP**

Tier 1 Remediation Objectives - Soil										Sample Location:	B-510	B-512	B-513	B-514	B-515	B-516
CONSTITUENT	<u>Soil Ingestion</u>			<u>Soil Inhalation</u>			Soil Component to Groundwater (Class I)	PAH Background Metropolitan Areas	UNITS	Sample ID:	B-510-5	B-512-8	B-513-8	B-514-8	B-515-7	B-516-5
	Residential	Commercial	Construction	Residential	Commercial	Construction				Sample Date:	7/12/2004	7/12/2004	7/12/2004	7/22/2004	7/16/2004	7/22/2004
										Sample Depth (feet):	4'-5'	7'-8'	7'-8'	7'-8'	6'-7'	4'-5'
Benzene	12.0	100	2,300	0.8	1.60	2.20	0.03	---	(mg/kg)		0.0043	<0.0244	<0.0101	3.10	9.03	0.656
Ethylbenzene	7,800	200,000	20,000	400	400	58	13	---	(mg/kg)		<0.0010	<0.122	0.036	23.50	59.10	4.720
Toluene	16,000	410,000	410	650	650	42	12	---	(mg/kg)		0.0017	<0.122	<0.0202	0.446	2.45	0.289
Xylene (total)	16,000	410,000	41,000	410	320	5.6	150	---	(mg/kg)		0.0013	<0.122	0.044	19.80	40.70	1.480
Acenaphthene	4700	120000	120000	---	---	---	570	0.13	(mg/kg)		<0.031	0.30	1.60	48.0	270.0	7.50
Acenaphthylene	2300 ⁽¹⁾	61000 ⁽¹⁾	61000 ⁽¹⁾	---	---	---	85	0.07	(mg/kg)		0.150	<0.442	2.0	8.80	34.0	5.0
Anthracene	23000	610000	610000	---	---	---	12000	0.40	(mg/kg)		0.067	0.15	2.80	19.0	100.0	3.80
Benzo(a)anthracene	0.9	8.0	170	---	---	---	2.0	1.80	(mg/kg)		0.50	<0.442	1.20	11.0	65.0	7.20
Benzo(a)pyrene	0.09	0.80	17.0	---	---	---	8.0	2.10	(mg/kg)		0.510	<0.442	0.95	13.0	88.0	16.0
Benzo(b)fluoranthene	0.9	8.0	170	---	---	---	5.0	2.10	(mg/kg)		0.710	<0.442	0.82	8.90	66.0	13.0
Benzo(ghi)perylene	2300 ⁽¹⁾	61000 ⁽¹⁾	61000 ⁽¹⁾	---	---	---	27000	1.70	(mg/kg)		0.280	<0.442	0.42	2.80	26.0	5.0
Benzo(k)fluoranthene	9.0	78	1700	---	---	---	49.0	1.70	(mg/kg)		0.220	<0.442	0.28	2.60	25.0	4.20
Chrysene	88.0	780	17000	---	---	---	160	2.70	(mg/kg)		0.590	<0.442	1.10	11.0	74.0	8.40
Dibenzo(a,h)anthracene	0.09	0.8	17.0	---	---	---	2.0	0.42	(mg/kg)		0.074	<0.442	0.11	0.85	11.0	1.30
Fluoranthene	3100	82000	82000	---	---	---	4300	4.10	(mg/kg)		0.650	<0.442	2.10	24.0	150.0	7.60
Fluorene	3100	82000	82000	---	---	---	560	0.18	(mg/kg)		0.048	0.31	4.20	36.0	150.0	5.50
Indeno(1,2,3-cd)pyrene	0.9	8.0	170	---	---	---	14.0	1.60	(mg/kg)		0.230	<0.442	0.43	2.70	27.0	4.50
Naphthalene	1600	41000	4100	170	270	1.8	12.0	0.20	(mg/kg)		0.033	<0.442	<0.066	100.0	510.0	24.0
Phenanthrene	2300 ⁽¹⁾	61000 ⁽¹⁾	61000 ⁽¹⁾	---	---	---	200	2.50	(mg/kg)		0.210	0.644	9.30	72.0	340.0	12.0
Pyrene	2300	61000	61000	---	---	---	4200	3.0	(mg/kg)		1.0	0.15	3.20	33.0	190.0	14.0

⁽¹⁾ Non-TACO or provisional ROs published by the IEPA.

--- No ROs have been established.

Constituent exceeds one or more Tier 1 RO.

<0.001 Laboratory method detection limit exceeds one or more Tier 1 Remedial Objective

mg/kg Milligrams per kilogram

<0.004 Not detected at the detection limit identified.

**TABLE 5-3
BTEX and PAHs - 3 to 10 Feet
Former MGP Site
Champaign, Illinois
AmerenIP**

Tier 1 Remediation Objectives - Soil										Sample Location:	B-550	B-551	B-553	B-554	B-556	B-557
CONSTITUENT	<u>Soil Ingestion</u>			<u>Soil Inhalation</u>			Soil Component to Groundwater (Class I)	PAH Background Metropolitan Areas	UNITS	Sample ID:	B-550-9	B-551-10	B-553-6	B-554-10	B-556-6	B-557-10
	Residential	Commercial	Construction	Residential	Commercial	Construction				Sample Date:	7/20/2004	7/15/2004	7/14/2004	7/15/2004	7/20/2004	7/20/2004
										Sample Depth (feet):	8'-9'	9'-10'	5'-6'	9'-10'	5'-6'	9'-10'
Benzene	12.0	100	2,300	0.8	1.60	2.20	0.03	---	(mg/kg)		0.610	1.260	4.05	0.765	2.77	0.0071
Ethylbenzene	7,800	200,000	20,000	400	400	58	13	---	(mg/kg)		1.260	13.600	20.80	3.91	19.90	0.0074
Toluene	16,000	410,000	410	650	650	42	12	---	(mg/kg)		0.055	0.069	0.811	2.70	<0.206	0.002
Xylene (total)	16,000	410,000	41,000	410	320	5.6	150	---	(mg/kg)		0.623	5.720	19.30	6.12	12.20	0.0134
Acenaphthene	4700	120000	120000	---	---	---	570	0.13	(mg/kg)		5.30	23.0	280.0	77.0	64.0	0.32
Acenaphthylene	2300 ⁽¹⁾	61000 ⁽¹⁾	61000 ⁽¹⁾	---	---	---	85	0.07	(mg/kg)		0.79	3.0	27.0	7.30	4.20	0.13
Anthracene	23000	610000	610000	---	---	---	12000	0.40	(mg/kg)		2.60	13.0	170.0	29.0	28.0	0.18
Benzo(a)anthracene	0.9	8.0	170	---	---	---	2.0	1.80	(mg/kg)		1.60	9.60	120.0	13.0	12.0	0.14
Benzo(a)pyrene	0.09	0.80	17.0	---	---	---	8.0	2.10	(mg/kg)		1.80	12.0	120.0	14.0	12.0	0.16
Benzo(b)fluoranthene	0.9	8.0	170	---	---	---	5.0	2.10	(mg/kg)		1.40	11.0	130.0	13.0	8.70	0.13
Benzo(ghi)perylene	2300 ⁽¹⁾	61000 ⁽¹⁾	61000 ⁽¹⁾	---	---	---	27000	1.70	(mg/kg)		0.41	3.50	29.0	2.20	5.0	0.054
Benzo(k)fluoranthene	9.0	78	1700	---	---	---	49.0	1.70	(mg/kg)		0.41	4.20	50.0	4.70	2.40	0.039
Chrysene	88.0	780	17000	---	---	---	160	2.70	(mg/kg)		1.60	10.0	120.0	14.0	13.0	0.14
Dibenzo(a,h)anthracene	0.09	0.8	17.0	---	---	---	2.0	0.42	(mg/kg)		0.16	1.0	9.70	0.79	1.30	0.02
Fluoranthene	3100	82000	82000	---	---	---	4300	4.10	(mg/kg)		2.60	20.0	300.0	32.0	27.0	0.33
Fluorene	3100	82000	82000	---	---	---	560	0.18	(mg/kg)		4.40	15.0	180.0	42.0	26.0	0.20
Indeno(1,2,3-cd)pyrene	0.9	8.0	170	---	---	---	14.0	1.60	(mg/kg)		0.37	3.70	34.0	1.90	4.30	0.048
Naphthalene	1600	41000	4100	170	270	1.8	12.0	0.20	(mg/kg)		2.70	46.0	880.0	1.80	200.0	0.014
Phenanthrene	2300 ⁽¹⁾	61000 ⁽¹⁾	61000 ⁽¹⁾	---	---	---	200	2.50	(mg/kg)		9.60	41.0	540.0	91.0	90.0	1.10
Pyrene	2300	61000	61000	---	---	---	4200	3.0	(mg/kg)		3.80	21.0	340.0	42.0	40.0	0.50

⁽¹⁾ Non-TACO or provisional ROs published by the IEPA.
 --- No ROs have been established.
 Constituent exceeds one or more Tier 1 RO.
 Laboratory method detection limit exceeds one or more Tier 1 Remedial Objective
 <0.001 mg/kg Milligrams per kilogram
 <0.004 Not detected at the detection limit identified.

**TABLE 5-3
BTEX and PAHs - 3 to 10 Feet
Former MGP Site
Champaign, Illinois
AmerenIP**

Tier 1 Remediation Objectives - Soil										Sample Location:	B-558	B-559	B-560	B-561	B-562
CONSTITUENT	Soil Ingestion			Soil Inhalation			Soil Component to Groundwater (Class I)	PAH Background Metropolitan Areas	UNITS	Sample ID:	B-558-7	B-559-8	B-560-5	B-561-10	B-562-10
	Residential	Commercial	Construction	Residential	Commercial	Construction				Sample Date:	7/19/2004	7/19/2004	7/16/2004	7/15/2004	7/15/2004
										Sample Depth (feet):	6'-7'	7'-8'	4'-5'	9'-10'	9'-10'
Benzene	12.0	100	2,300	0.8	1.60	2.20	0.03	---	(mg/kg)		0.0525	<0.0128	0.012	1.25	0.286
Ethylbenzene	7,800	200,000	20,000	400	400	58	13	---	(mg/kg)		0.066	<0.0256	0.0019	1.38	1.59
Toluene	16,000	410,000	410	650	650	42	12	---	(mg/kg)		0.134	<0.0256	0.0039	0.11	0.726
Xylene (total)	16,000	410,000	41,000	410	320	5.6	150	---	(mg/kg)		0.221	0.046	0.0039	3.54	1.66
Acenaphthene	4700	120000	120000	---	---	---	570	0.13	(mg/kg)		8.10	<0.150	0.38	9.10	28.0
Acenaphthylene	2300 ⁽¹⁾	61000 ⁽¹⁾	61000 ⁽¹⁾	---	---	---	85	0.07	(mg/kg)		2.40	<0.160	6.10	1.60	3.50
Anthracene	23000	610000	610000	---	---	---	12000	0.40	(mg/kg)		6.80	<0.140	1.20	4.80	14.0
Benzo(a)anthracene	0.9	8.0	170	---	---	---	2.0	1.80	(mg/kg)		3.20	<0.120	7.20	2.50	6.10
Benzo(a)pyrene	0.09	0.80	17.0	---	---	---	8.0	2.10	(mg/kg)		3.50	<0.110	25.0	2.0	6.10
Benzo(b)fluoranthene	0.9	8.0	170	---	---	---	5.0	2.10	(mg/kg)		2.80	<0.110	20.0	1.40	4.50
Benzo(ghi)perylene	2300 ⁽¹⁾	61000 ⁽¹⁾	61000 ⁽¹⁾	---	---	---	27000	1.70	(mg/kg)		0.93	<0.140	6.70	0.84	1.60
Benzo(k)fluoranthene	9.0	78	1700	---	---	---	49.0	1.70	(mg/kg)		0.82	<0.120	7.50	0.59	1.50
Chrysene	88.0	780	17000	---	---	---	160	2.70	(mg/kg)		3.10	<0.130	9.0	2.4	6.0
Dibenzo(a,h)anthracene	0.09	0.8	17.0	---	---	---	2.0	0.42	(mg/kg)		0.36	<0.120	1.70	<0.570	<0.630
Fluoranthene	3100	82000	82000	---	---	---	4300	4.10	(mg/kg)		7.30	<0.120	7.50	5.0	14.0
Fluorene	3100	82000	82000	---	---	---	560	0.18	(mg/kg)		8.90	<0.140	0.55	6.30	18.0
Indeno(1,2,3-cd)pyrene	0.9	8.0	170	---	---	---	14.0	1.60	(mg/kg)		0.86	<0.130	6.0	<0.620	1.50
Naphthalene	1600	41000	4100	170	270	1.8	12.0	0.20	(mg/kg)		<0.130	<0.180	2.60	23.0	39.0
Phenanthrene	2300 ⁽¹⁾	61000 ⁽¹⁾	61000 ⁽¹⁾	---	---	---	200	2.50	(mg/kg)		22.0	<0.120	3.20	14.0	45.0
Pyrene	2300	61000	61000	---	---	---	4200	3.0	(mg/kg)		12.0	<0.120	23.0	7.40	20.0

⁽¹⁾ Non-TACO or provisional ROs published by the IEPA.

--- No ROs have been established.

Constituent exceeds one or more Tier 1 RO.

<0.001 Laboratory method detection limit exceeds one or more Tier 1 Remedial Objective

mg/kg Milligrams per kilogram

<0.004 Not detected at the detection limit identified.