

**Table 5-6  
Metals and Cyanide - Greater than 10 Feet  
Former MGP Site  
Champaign, Illinois  
AmerenIP**

<b>Tier 1 Remediation Objectives - Soil</b>																
<b>CONSTITUENT</b>	<u>Soil Ingestion</u>			<u>Soil Inhalation</u>			Soil Component to Groundwater (Class I) mg/L	UNITS	Sample Location:	B-802	B-803	B-805	B-806	B-807	B-809	B-811
	Residential	Commercial	Construction	Residential	Commercial	Construction			Sample ID:	B802 (14.5-15.5)	B803 (21.0-22.0)	B805 (13.0-14.0)	B806 (11.0-12.0)	B807 (13.0-14.0)	B809 (15.0-16.0)	B811 (11.0-12.0)
								Sample Date:	4/15/2008	5/7/2008	4/9/2008	4/8/2008	4/8/2008	5/8/2008	5/5/2008	
								Sample Depth (feet):	14.5-15.5	21.0-22.0	13.0-14.0	11.0-12.0	13.0-14.0	15.0-16.0	11.0-12.0	
Arsenic	13.0	13.0	61	750	1200	25000	31	mg/kg	5.84	5.41	8.25	6.78	6.87	4.69	6.43	
Chromium	230	6,100	4100	270	420	690	28	mg/kg	17.9	14.2	16.2	16.6	16.3	15.3	14.4	
Lead	400	800	700	---	---	---	107	mg/kg	15.8	8.65	11.6	11.0	12.1	8.68	10.1	
Cyanide (amenable)	1600	41000	4100	---	---	---	40	mg/kg	<0.53	<0.57	<0.57	<0.57	<0.57	<0.55	<0.57	
Cyanide (total)	---	---	---	---	---	---	---	mg/kg	0.33	<0.57	<0.57	<0.57	<0.57	<0.55	<0.57	

--- No ROs have been established.

Constituent exceeds one or more Tier 1 RO.

mg/kg Milligrams per kilogram

<0.004 Not detected at the detection limit identified.

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Tier 1 Remediation Objectives - Soil							Sample Location:									
CONSTITUENT	<u>Soil Ingestion</u>			<u>Soil Inhalation</u>			Soil Component to Groundwater (Class I) mg/L	UNITS	Sample ID:	B-815	B-817	B-818	B-819	B-822	B-824	B-825
	Residential	Commercial	Construction	Residential	Commercial	Construction				B815 (25.0-26.0)	B817 (26.0-27.0)	B818 (13.0-15.0')	B819 (28.0-29.0)	B822 (13.0-15.0)	B824 (23.0-24.0)	B825 (25.0-26.0)
								Sample Date:	4/7/2008	4/7/2008	4/1/2008	4/7/2008	4/1/2008	4/4/2008	4/3/2008	
								Sample Depth (feet):	25.0-26.0	26.0-27.0	13.0-15.0'	28.0-29.0	13.0-15.0	23.0-24.0	25.0-26.0	
Arsenic	13.0	13.0	61	750	1200	25000	31	mg/kg	6.35	6.65	9.97	6.56	9.99	8.18	7.68	
Chromium	230	6,100	4100	270	420	690	28	mg/kg	15.9	13.3	17.3	16.70	18.5	15.5	15.8	
Lead	400	800	700	---	---	---	107	mg/kg	11.3	12.1	16.2	11.10	12.8	10.5	10.1	
Cyanide (amenable)	1600	41000	4100	---	---	---	40	mg/kg	<0.56	<0.55	<0.58	<0.56	<0.52	<0.55	<0.55	
Cyanide (total)	---	---	---	---	---	---	---	mg/kg	<0.56	<0.54	2.02	<0.56	0.25	<0.55	<0.55	

--- No ROs have been established.

Constituent exceeds one or more Tier 1 RO.

mg/kg Milligrams per kilogram

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<b>Tier 1 Remediation Objectives - Soil</b>										Sample Location:	B-830	B-831	B-835	B-849	B-850
<b>CONSTITUENT</b>	<u>Soil Ingestion</u>			<u>Soil Inhalation</u>			Soil Component to Groundwater (Class I) mg/L	UNITS	Sample ID:	B830 (28.0-30.0)	B831 (9.0-10.0)	B835 (28.0-29.0)	B849 (16.0-17.0)	B850 (16.0-17.0)	
	Residential	Commercial	Construction	Residential	Commercial	Construction				Sample Date:	4/3/2008	4/4/2008	4/3/2008	5/7/2008	5/8/2008
									Sample Depth (feet):	28.0-33.0	9.0-10.0	28.0-29.0	16.0-17.0	16.0-17.0	
Arsenic	13.0	13.0	61	750	1200	25000	31	mg/kg		8.52	8.22	7.78	5.58	6.08	
Chromium	230	6,100	4100	270	420	690	28	mg/kg		12.4	10.60	12.7	12.0	12.4	
Lead	400	800	700	---	---	---	107	mg/kg		9.39	11.0	9.62	6.88	6.67	
Cyanide (amenable)	1600	41000	4100	---	---	---	40	mg/kg		<0.55	<0.57	<0.55	<0.54	<0.55	
Cyanide (total)	---	---	---	---	---	---	---	mg/kg		0.43	0.65	0.59	<0.54	<0.55	

--- No ROs have been established.

Constituent exceeds one or more Tier 1 RO.

mg/kg Milligrams per kilogram

<0.004 Not detected at the detection limit identified.