

**Table 5-4
Metals and Cyanide - 3 to 10 Feet
Former MGP Site
Champaign, Illinois
AmerenIP**

Tier 1 Remediation Objectives - Soil										Sample Location:	B-802	B-803	B-804	B-805	B-807	B-809	B-811	B-814	B-815
CONSTITUENT	<u>Soil Ingestion</u>			<u>Soil Inhalation</u>			Soil Component to Groundwater (Class I) mg/L	UNITS	Sample ID:	B802 (8.5-10.0)	B803 (9.0-10.0)	B804 (8.5-9.5)	B805 (7.0-8.0)	B807 (8.5-9.5)	B809 (9.0-10.0)	B811(9.0-10.0)	B814(7.0-8.0)	B815(7.0-8.0)	
	Residential	Commercial	Construction	Residential	Commercial	Construction				Sample Date:	4/15/2008	5/7/2008	4/8/2008	4/9/2008	4/8/2008	5/8/2008	5/5/2008	4/1/2008	4/7/2008
								Sample Depth (feet):	8.5-10.0	9.0-10.0	8.5-9.5	7.0-8.0	8.5-9.5	9.0-10.0	9.0-10.0	7.0-8.0	7.0-8.0		
Arsenic	13.0	13.0	61	750	1200	25000	31	mg/kg	4.34	2.0	5.27	7.08	5.83	3.08	6.47	10.1	8.19		
Chromium	230	6,100	4100	270	420	690	28	mg/kg	25	27.0	19.1	13.6	18.2	16.1	15.10	14.2	16.8		
Lead	400	800	700	---	---	---	107	mg/kg	15.4	14.2	14.7	14.5	14.2	12.4	10.0	10.1	10.8		
Cyanide (amenable)	1600	41000	4100	---	---	---	40	mg/kg	<0.57	<0.61	<0.64	<0.56	<0.57	<0.59	<0.60	<0.61	<0.56		
Cyanide (total)	---	---	---	---	---	---	---	mg/kg	0.97	<0.61	<0.63	<0.56	<0.57	<0.59	0.25	11.1	<0.56		

--- 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 Depth (feet):	B-817	B-818	B-819	B-822	B-823	B-824	B-829	B-831	B-832	
	Residential	Commercial	Construction	Residential	Commercial	Construction				Sample ID:	B816(8.0-9.0)	B818(7.0-9.0)	B819(8.5-9.5)	B822(6.0-8.0)	B822(13.0-15.0)	B824(9.0-10.0)	B829(6.0-7.0)	B831(9.0-10.0)	B832(7.0-8.0)
	Sample Date:	4/7/2008	4/1/2008	4/7/2008	4/1/2008	4/1/2008				4/4/2008	4/2/2008	4/3/2008	4/4/2008						
Arsenic	13.0	13.0	61	750	1200	25000	31	mg/kg	8.0-9.0	9.03	5.49	3.95	9.97	9.99	7.98	8.84	8.22	5.99	
Chromium	230	6,100	4100	270	420	690	28	mg/kg		18.4	24.1	20.9	26.4	18.5	16.0	22.9	10.6	25.3	
Lead	400	800	700	---	---	---	107	mg/kg		19.4	20.2	16.6	15.9	12.8	11.4	14.9	11.0	17.8	
Cyanide (amenable)	1600	41000	4100	---	---	---	40	mg/kg		0.31	<0.62	0.39	<6.23	<0.52	<0.57	<0.6	0.65	<0.64	
Cyanide (total)	---	---	---	---	---	---	---	mg/kg		0.32	2.12	0.39	33.10	0.25	<0.56	1.02	<0.57	<0.64	

--- 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:	B-833	B-837	B-839	B-843	B-844	B-845	B-849	B-850
CONSTITUENT	<u>Soil Ingestion</u>			<u>Soil Inhalation</u>			Soil Component to Groundwater (Class I) mg/L	UNITS	Sample ID:	B833(9.0-10.0)	B837(9.0-10.0)	B839(6.0-7.0)	B843(7.0-8.0)	B844(8.0-9.0)	B845(6.0-7.0)	B849(9.0-10.0)	B850(8.0-9.0)
	Residential	Commercial	Construction	Residential	Commercial	Construction			Sample Date:	4/2/2008	4/14/2008	4/14/2008	5/6/2008	5/6/2008	5/6/2008	5/7/2008	5/8/2008
								Sample Depth (feet):	9.0-10.0	9.0-10.0	6.0-7.0	7.0-8.0	8.0-9.0	6.0-7.0	9.0-10.0	8.0-9.0	
Arsenic	13.0	13.0	61	750	1200	25000	31	mg/kg	2.92	6.37	4.45	6.42	6.35	6.44	5.59	1.9	
Chromium	230	6,100	4100	270	420	690	28	mg/kg	24.2	24.4	29.7	14.0	14.0	13.6	13.3	19.4	
Lead	400	800	700	---	---	---	107	mg/kg	19.7	17.9	16.9	9.48	9.77	9.36	12.4	14.4	
Cyanide (amenable)	1600	41000	4100	---	---	---	40	mg/kg	<0.63	<0.61	<0.59	<0.55	<0.56	<0.60	<0.56	<0.59	
Cyanide (total)	---	---	---	---	---	---	---	mg/kg	1.31	<0.61	<0.59	<0.55	<0.56	0.2	<0.56	0.23	

--- 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.