TABLE 3-15
TIER 1 COMPARISON - RCRA METALS AND CYANIDE RESULTS FOR 3 TO 10 FT
CHAMPAIGN MGP SITE
CHAMPAIGN, ILLINOIS
AMERENIP

	Tier 1 Remedial Objectives - Soil											B-814	B-818	B-822	B-823	B-829	B-833
		Ingestion			*Inhalation*		*Indoor Inhalation*		Soil Component to Groundwater	*MSA*		B-814 (7.0-8.0)	B-818 (7.0-9.0)	B-822 (6.0-8.0)	B-822(13.0-15.0)	B829(6.0-7.0)	B833(9.0-10.0)
												4/1/2008	4/7/2008	4/1/2008	4/1/2008	4/2/2008	4/2/2008
CONSTITUENT	**Residential**	**Commercial**	**Construction**	**Residential**	**Commercial**	**Construction**	**Residential**	**Commercial**	**(Class I)***	***Background***	**UNITS**	**7.0-8.0**	**7.0-9.0**	**6.0-8.0**	**13.0-15.0**	**6.0-7.0**	**9.0-10.0**
Arsenic	13.0	13.0	61.0	750	1,200	25,000	---	---	30	13	(mg/kg)	10.1	5.49	9.97	9.99	8.84	2.92
Barium	5,500	140,000	14,000	690,000	910,000	870,000	---	---	1,800	110	(mg/kg)	---	---	---	---	---	---
Cadmium	78	2,000	200	1,800	2,800	59,000	---	---	59	0.6	(mg/kg)	---	---	---	---	---	---
Chromium	230	6,100	4,100	270	420	690	---	---	28	16.2	(mg/kg)	14.2	24.1	26.4	18.5	22.9	24.2
Cyanide[(a)]	1,600	41,000	4,100	---	---	---	---	---	40	0.51	(mg/kg)	11.1	2.12	33.1	0.25	1.02	1.31
Lead	400	800	700	---	---	---	---	---	107	36	(mg/kg)	10.1	20.2	15.9	12.8	14.9	19.7
Mercury	23	610	61	10	16	0.10	0.45	0.45	6.4	0.06	(mg/kg)	---	---	---	---	---	---
Selenium	390	10,000	1,000	---	---	---	---	---	3.3	0.48	(mg/kg)	---	---	---	---	---	---
Silver	390	10,000	1,000	---	---	---	---	---	39	0.55	(mg/kg)	---	---	---	---	---	---

Notes:	mg/kg	Milligrams per kilogram
	(a)	Remedial objectives are for amenable cyanide
	-----	No remediation objective has been established by the IEPA for this constitiuent for this exposure route
	<12	Not detected at the level identified
	*	Based on an average pH of 7.50 for the site
		Analytical result exceeds one or more Tier 1 RO.
	<0.05	Detection limit greater than RO due to dilution

TABLE 3-15
TIER 1 COMPARISON - RCRA METALS AND CYANIDE RESULTS FOR 3 TO 10 FT
CHAMPAIGN MGP SITE
CHAMPAIGN, ILLINOIS
AMERENIP

	Tier 1 Remedial Objectives - Soil											B-504	B-508	B-509	UTB-15	UTB-20	UTB-21	UTB-22
		Ingestion			*Inhalation*		*Indoor Inhalation*		Soil Component to Groundwater	*MSA*		B-504-7	B-508-9	B-509-8	UTB-15-S01	UTB-20-S01	UTB-21-S01	UTB-22-S01
CONSTITUENT	**Residential**	**Commercial**	**Construction**	**Residential**	**Commercial**	**Construction**	**Residential**	**Commercial**	**(Class I)***	***Background***	**UNITS**	**7/13/2004 6'-7'**	**7/19/2004 8'-9'**	**7/21/2004 7'-8'**	**12/13/1991 9'-11'**	**12/11/1991 7'-8'**	**12/12/1991 3'-8'**	**12/12/1991 6'-8'**
Arsenic	13.0	13.0	61.0	750	1,200	25,000	---	---	30	13	(mg/kg)	<2.31	13	12.7	---	---	---	---
Barium	5,500	140,000	14,000	690,000	910,000	870,000	---	---	1,800	110	(mg/kg)	63.8	126	117	---	---	---	---
Cadmium	78	2,000	200	1,800	2,800	59,000	---	---	59	0.6	(mg/kg)	0.31	<0.19	0.1	---	---	---	---
Chromium	230	6,100	4,100	270	420	690	---	---	28	16.2	(mg/kg)	14.7	21.9	16.8	---	---	---	---
Cyanide[(a)]	1,600	41,000	4,100	---	---	---	---	---	40	0.51	(mg/kg)	---	---	---	0.35	2	5	<0.25
Lead	400	800	700	---	---	---	---	---	107	36	(mg/kg)	16.4	17.9	13.8	---	---	---	---
Mercury	23	610	61	10	16	0.10	0.45	0.45	6.4	0.06	(mg/kg)	0.026	0.036	0.028	---	---	---	---
Selenium	390	10,000	1,000	---	---	---	---	---	3.3	0.48	(mg/kg)	**<3.70**	**<3.85**	**<3.92**	---	---	---	---
Silver	390	10,000	1,000	---	---	---	---	---	39	0.55	(mg/kg)	<0.93	<0.96	<0.98	---	---	---	---

Notes:

mg/kg	Milligrams per kilogram
(a)	Remedial objectives are for amenable cyanide
-----	No remediation objective has been established by the IEPA for this constitiuent for this exposure route
<12	Not detected at the level identified
*	Based on an average pH of 7.50 for the site
	Analytical result exceeds one or more Tier 1 RO.
<0.05	Detection limit greater than RO due to dilution

TABLE 3-15
TIER 1 COMPARISON - RCRA METALS AND CYANIDE RESULTS FOR 3 TO 10 FT
CHAMPAIGN MGP SITE
CHAMPAIGN, ILLINOIS
AMERENIP

	Tier 1 Remedial Objectives - Soil											UTB-23	UTB-24	UTB-25	UTB-26	UTB-27
		Ingestion			*Inhalation*		*Indoor Inhalation*		Soil Component to Groundwater	*MSA*		UTB-23-S01	UTB 24-S01	UTB-25-S01	UTB-26-S02	UTB-27-S01
CONSTITUENT	**Residential**	**Commercial**	**Construction**	**Residential**	**Commercial**	**Construction**	**Residential**	**Commercial**	**(Class I)***	***Background***	**UNITS**	**12/14/1991 6'-8'**	**12/15/1991 6'-8'**	**12/14/1991 9'-11'**	**12/15/1991 6'-8'**	**12/16/1991 6'-8'**
Arsenic	13.0	13.0	61.0	750	1,200	25,000	---	---	30	13	(mg/kg)	---	---	---	---	---
Barium	5,500	140,000	14,000	690,000	910,000	870,000	---	---	1,800	110	(mg/kg)	---	---	---	---	---
Cadmium	78	2,000	200	1,800	2,800	59,000	---	---	59	0.6	(mg/kg)	---	---	---	---	---
Chromium	230	6,100	4,100	270	420	690	---	---	28	16.2	(mg/kg)	---	---	---	---	---
Cyanide[(a)]	1,600	41,000	4,100	---	---	---	---	---	40	0.51	(mg/kg)	14	11	1	<0.25	5
Lead	400	800	700	---	---	---	---	---	107	36	(mg/kg)	---	---	---	---	---
Mercury	23	610	61	10	16	0.10	0.45	0.45	6.4	0.06	(mg/kg)	---	---	---	---	---
Selenium	390	10,000	1,000	---	---	---	---	---	3.3	0.48	(mg/kg)	---	---	---	---	---
Silver	390	10,000	1,000	---	---	---	---	---	39	0.55	(mg/kg)	---	---	---	---	---

Notes:

mg/kg	Milligrams per kilogram
(a)	Remedial objectives are for amenable cyanide
-----	No remediation objective has been established by the IEPA for this constitiuent for this exposure route
<12	Not detected at the level identified
*	Based on an average pH of 7.50 for the site
	Analytical result exceeds one or more Tier 1 RO.
<0.05	Detection limit greater than RO due to dilution