TABLE 5-8
TIER 1 COMPARISON - METALS and CYANIDE RESULTS FOR 0 TO 3 FT DEPTH
CHAMPAIGN MGP SITE
CHAMPAIGN, ILLINOIS
AMERENIP

CONSTITUENT	UNITS/DEPTH	Tier 1 Remediation Objectives	B-501 B-501-2 7/13/2004 1'-2'	B-502 B-502-3 7/13/2004 2'-3'	B-503 B-503-3 7/13/2004 2'-3'	B-504 B-504-3 7/13/2004 2'-3'	B-505 B-505-3 7/14/2004 2'-3'	B-506 B-506-3 7/22/2004 2'-3'	B-507 B-507-1 7/21/2004 0-1'	B-508 B-508-3 7/19/2004 2'-3'	B-509 B-509-3 7/21/2004 2'-3'	B-510 B-510-2 7/12/2004 1'-2'	B-512 B-512-3 7/12/2004 2'-3'	B-513 B-513-2 7/12/2004 1'-2'
Arsenic	(mg/kg)		9.28	58.5	8.31	15.4	4.5	14.7	10.1	22.5	13	10.8	21.6	13.6
Barium	(mg/kg)		143	58.3	99.6	152	27.1	113	141	96.4	184	84.6	98	129
Cadmium	(mg/kg)		0.28	0.5	0.3	1.68	0.58	0.14	0.22	0.55	1.03	0.58	1.01	0.36
Chromium	(mg/kg)		19.6	8.81	18.1	13.6	12.6	15.7	16	13.2	18.3	16	26.7	22.4
COD	(mg/kg)		---	---	---	---	---	---	---	---	---	---	---	---
Copper	(mg/kg)		---	---	---	---	---	---	---	---	---	---	---	---
Cyanide	(mg/kg)		1.38	1.02	11.7	55.5	25.2	2.31	2.15	2.51	2.74	6.43	68.4	17
Iron	(mg/kg)		---	---	---	---	---	---	---	---	---	---	---	---
Lead	(mg/kg)		58	21.7	202	221	552	177	60.8	49.8	164	128	158	470
Manganese	(mg/kg)		---	---	---	---	---	---	---	---	---	---	---	---
Mercury	(mg/kg)		0.215	0.037	0.167	0.338	0.061	0.695	0.084	0.174	0.252	0.432	0.291	0.352
Nickel	(mg/kg)		---	---	---	---	---	---	---	---	---	---	---	---
Selenium	(mg/kg)		<4.00	<3.85	<4.00	<3.92	<4.00	<3.85	<3.85	<3.85	<4.00	<3.85	<3.92	<4.00
Silver	(mg/kg)		<1.00	<0.96	<1.00	<0.98	<1.00	<0.96	<0.96	<0.96	<1.00	<0.96	<0.98	<1.00
Zinc	(mg/kg)		---	---	---	---	---	---	---	---	---	---	---	---

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
*	Based on an average pH of 7.50 for the site
	Analytical result exceeds one or more Tier 1 RO

TABLE 5-8
TIER 1 COMPARISON - METALS and CYANIDE RESULTS FOR 0 TO 3 FT DEPTH
CHAMPAIGN MGP SITE
CHAMPAIGN, ILLINOIS
AMERENIP

CONSTITUENT	UNITS/DEPTH	Tier 1 Remediation Objectives	B-514 B-514-3 7/22/2004 2'-3'	B-515 B-515-2 7/16/2004 1'-2'	B-516 B-516-3 7/22/2004 2'-3'	B-550 B-550-3 7/20/2004 2'-3'	B-551 B-551-3 7/15/2004 2'-3'	B-553 B-553-3 7/14/2004 2'-3'	B-554 B-554-3 7/15/2004 2'-3'	B-556 B-556-3 7/20/2004 2'-3'	B-557 B-557-1 7/20/2004 0-1'	B-558 B-558-2 7/19/2004 1'-2'	B-559 B-559-3 7/19/2004 2'-3'	B-560 B-560-3 7/16/2004 2'-3'
Arsenic	(mg/kg)		11.3	11.5	28.7	11.6	10.7	<2.40	19.3	2.2	9.68	12.6	9.93	12.5
Barium	(mg/kg)		128	136	134	45.6	60.5	20.1	207	59.8	102	164	139	177
Cadmium	(mg/kg)		0.29	0.36	1.36	2.04	0.39	<0.19	0.97	0.13	0.59	0.64	0.15	1.38
Chromium	(mg/kg)		15.7	14	40.3	22.3	10.3	7.23	16.3	9.54	15.6	16.9	16	16.7
COD	(mg/kg)		---	---	---	---	---	---	---	---	---	---	---	---
Copper	(mg/kg)		---	---	---	---	---	---	---	---	---	---	---	---
Cyanide	(mg/kg)		16.6	3.68	41.6	9.82	3	1.81	3.01	2.98	1.01	1.37	0.46	2.47
Iron	(mg/kg)		---	---	---	---	---	---	---	---	---	---	---	---
Lead	(mg/kg)		113	36.1	165	32.1	50.6	8.5	252	55.7	184	48.6	56.7	110
Manganese	(mg/kg)		---	---	---	---	---	---	---	---	---	---	---	---
Mercury	(mg/kg)		4.2	0.091	0.491	0.076	0.281	0.005	0.076	0.075	0.133	0.082	0.058	0.21
Nickel	(mg/kg)		---	---	---	---	---	---	---	---	---	---	---	---
Selenium	(mg/kg)		<3.85	<3.77	<4.00	<4.00	<3.92	<3.85	<3.64	<3.85	<3.85	<3.92	<3.64	<3.85
Silver	(mg/kg)		<0.96	<0.94	<1.00	<1.00	<0.98	<0.96	<0.91	<0.96	<0.96	<0.98	<0.91	<0.96
Zinc	(mg/kg)		---	---	---	---	---	---	---	---	---	---	---	---

Notes:

mg/kg	Milligrams peMilligrams per kilogram
-1	Provisional reProvisional remediation objective provided by IEPA
-----	No remediatioNo remediation objective has been established by the IEPA for this constitiuent for this exposure route
<12	Not detected Not detected at the level identified
*	Based on an Based on an average pH of 7.50 for the site
	Analytical resAnalytical result exceeds one or more Tier 1 RO

TABLE 5-8
TIER 1 COMPARISON - METALS and CYANIDE RESULTS FOR 0 TO 3 FT DEPTH
CHAMPAIGN MGP SITE
CHAMPAIGN, ILLINOIS
AMERENIP

CONSTITUENT	UNITS/DEPTH	Tier 1 Remediation Objectives	B-561 B-561-1 7/15/2004 0-1'	B-562 B-562-1 7/15/2004 0-1'	CSS-1 12/18/1990 0-6"	CSS-2 12/18/1990 0-6"	CSS-3 12/18/1990 0-6"	CSS-4 12/18/1990 0-6"	CSS-5 12/19/1990 0-6"	UTP-01 12/17/1991 1	UTP-02 12/17/1991 1.25	UTP-03 12/17/1991 1.42	UTP-04 12/17/1991 1	UTP-08 12/17/1991 1	UTP-09 12/17/1991 0.83
Arsenic	(mg/kg)		37.2	31.7	6	5	3	5	5	6	9	9	15	4	21
Barium	(mg/kg)		135	212	93	89	82	69	91	100	110	99	61	120	120
Cadmium	(mg/kg)		1.59	2	1	<0.5	1	1	<0.5	1	1	1	1	<0.5	<0.5
Chromium	(mg/kg)		19.4	19.1	9	9	6	7	13	15	37	13	19	30	26
COD	(mg/kg)		---	---	52000	47000	47000	46000	23000	---	---	---	---	---	---
Copper	(mg/kg)		---	---	18	20	17	19	10	10	92	41	18	260	38
Cyanide	(mg/kg)		0.64	0.81	1	<0.25	7	2	<0.25	2	33	33	2900	620	3800
Iron	(mg/kg)		---	---	12000	12000	14000	12000	15000	13000	16000	9500	46000	100000	110000
Lead	(mg/kg)		358	390	130	59	80	200	20	18	130	47	300	11000	1800
Manganese	(mg/kg)		---	---	390	380	830	630	530	730	71	340	170	430	330
Mercury	(mg/kg)		0.344	0.227	0.14	<0.13	---	3	<0.4	<0.13	1	---	1	3	1
Nickel	(mg/kg)		---	---	13	12	12	10	14	15	8	11	8	12	10
Selenium	(mg/kg)		<3.92	<4.00	---	---	---	---	---	---	---	---	---	---	---
Silver	(mg/kg)		<0.98	<1.00	---	---	---	---	---	---	---	---	---	---	---
Zinc	(mg/kg)		---	---	110	74	74	95	47	41	64	89	46	230	110

Notes:

mg/kg	Milligrams peMilligrams per kilogram
-1	Provisional reProvisional remediation objective provided by IEPA
-----	No remediatioNo remediation objective has been established by the IEPA for this constitiuent for this exposure route
<12	Not detected Not detected at the level identified
*	Based on an Based on an average pH of 7.50 for the site
	Analytical resAnalytical result exceeds one or more Tier 1 RO