US EPA RECORDS CENTER REGION 5
481644

APPENDIX N

COMPLETE LIST OF XRF RESULTS AND CORRESPONDING LABORATORY RESULTS

Appendix N
Alleyway XRF Results and Corresponding Laboratory Results
Old American Zinc Plant Site, Fairmont City, Illinois

													Laboratory Verification Sample Results (mg/kg)			
Sample ID	Sample Date	Approximate Depth of Slag	Cu	(+/-)	Zn	(+/-)	As	(+/-)	Cd	(+/-)	Pb	(+/-)	Pb	As	Cd	Zn
OS-AT1-0.1	03/27/07	na	30.83	9.79	511.56	17.73	<LOD	15.42	<LOD	49.51	80.23	6.19	210	8.3	9.9	1,200 B
OS-AT1-NA-0.5	03/27/07	1.0	79.70	14.07	1,038.03	32.07	<LOD	26.43	<LOD	59.80	167.54	10.24	140	7	5.2	600 B
OS-AT1-NA-1.0	03/27/07	1.0	135.65	20.13	3,723.92	90.56	<LOD	46.58	102.68	23.95	417.22	19.10				
OS-AT1-NA-2.0	03/27/07	1.0	<LOD	31.76	381.73	16.47	<LOD	10.81	<LOD	56.02	<LOD	12.33				
OS-AT1-NA-3.0	03/27/07	1.0	<LOD	30.74	435.70	17.67	<LOD	10.60	<LOD	56.01	<LOD	12.01				
OS-AT1-NA-4.0	03/27/07	1.0	<LOD	27.88	236.34	12.42	<LOD	9.26	<LOD	53.53	<LOD	10.39				
OS-AT1-NB-0.5	03/27/07	1.0	<LOD	31.74	324.88	16.17	<LOD	16.26	<LOD	57.51	60.99	6.53				
OS-AT1-NB-1.0	03/27/07	1.0	146.61	18.09	2,249.39	56.30	62.05	14.20	<LOD	64.74	400.42	16.89				
OS-AT1-NB-2.0	03/27/07	1.0	<LOD	29.97	393.87	17.50	<LOD	11.87	<LOD	59.25	<LOD	13.18				
OS-AT1-NB-3.0	03/27/07	1.0	<LOD	32.25	526.58	20.07	<LOD	10.34	<LOD	57.07	<LOD	11.87				
OS-AT1-NB-4.0	03/27/07	1.0	<LOD	31.36	44.34	6.69	<LOD	10.51	<LOD	56.09	<LOD	12.32				
OS-AT1-NC-0.5	03/27/07	1.0	41.82	13.73	840.97	28.56	<LOD	20.83	<LOD	60.81	96.98	8.49				
OS-AT1-NC-1.0	03/27/07	1.0	123.42	16.28	2,543.47	56.83	24.71	7.12	<LOD	59.35	89.12	7.98				
OS-AT1-NC-2.0	03/27/07	1.0	<LOD	33.73	2,664.22	53.50	<LOD	12.57	<LOD	55.62	23.63	4.71				
OS-AT1-NC-3.0	03/27/07	1.0	<LOD	29.78	226.26	12.05	<LOD	10.58	<LOD	52.36	14.50	4.08				
OS-AT1-NC-4.0	03/27/07	1.0	<LOD	32.47	79.91	8.16	<LOD	10.74	<LOD	54.92	<LOD	12.13				
OS-AT1-SA-0.5	03/27/07	1.0	144.99	19.62	1,590.63	48.76	<LOD	31.80	<LOD	71.14	179.54	12.34				
OS-AT1-SA-1.0	03/27/07	1.0	229.10	20.08	2,113.38	51.96	<LOD	44.64	<LOD	60.86	520.64	18.82				
OS-AT1-SA-2.0	03/27/07	1.0	<LOD	35.29	367.87	17.50	<LOD	11.93	<LOD	60.62	15.76	4.70				
OS-AT1-SA-3.0	03/27/07	1.0	<LOD	31.86	388.25	17.34	<LOD	13.37	<LOD	57.78	27.16	5.13				
OS-AT1-SA-4.0	03/27/07	1.0	<LOD	35.73	211.70	13.99	<LOD	14.11	<LOD	63.14	30.95	5.73				
OS-AT1-SB-0.5	03/27/07	1.0	243.15	19.64	3,614.81	73.95	<LOD	39.59	<LOD	59.12	437.42	16.37				
OS-AT1-SB-1.0	03/27/07	1.0	194.58	21.68	3,013.19	74.06	63.95	13.78	<LOD	69.62	313.17	15.90	300	20	43	2,100 BV
OS-AT1-SB-2.0	03/27/07	1.0	128.22	15.78	2,057.58	48.86	<LOD	38.52	<LOD	60.95	413.39	15.80				
OS-AT1-SB-3.0	03/27/07	1.0	<LOD	31.78	685.62	23.22	<LOD	12.63	<LOD	57.30	32.87	5.26				
OS-AT1-SB-4.0	03/27/07	1.0	<LOD	33.39	171.32	11.60	<LOD	12.33	<LOD	57.07	19.14	4.70				
OS-AT1-SC-0.5	03/27/07	2.0	216.58	19.18	3,005.96	66.50	<LOD	42.52	<LOD	62.12	469.02	17.52				
OS-AT1-SC-1.0	03/27/07	2.0	342.35	27.30	5,489.67	123.30	<LOD	61.24	<LOD	70.49	752.82	26.87				
OS-AT1-SC-2.0	03/27/07	2.0	461.91	27.80	6,757.33	131.60	413.24	48.67	<LOD	65.35	5,299.97	101.14				
OS-AT1-SC-3.0	03/27/07	2.0	<LOD	37.26	1,421.50	39.43	<LOD	17.91	<LOD	61.26	52.97	6.59				
OS-AT1-SC-4.0	03/27/07	2.0	<LOD	30.97	510.78	18.38	<LOD	11.24	<LOD	52.14	20.57	4.41				
OS-AT2-0.1	03/27/07	na	94.47	14.38	1,193.45	34.41	<LOD	35.14	<LOD	59.57	354.52	14.60	760	14	13	1,600 B
OS-AT2-NA-0.5	03/27/07	1.0	805.83	35.16	5,621.51	113.18	87.10	16.06	<LOD	64.06	514.07	19.32				
OS-AT2-NA-1.0	03/27/07	1.0	390.62	24.80	4,431.80	90.77	<LOD	54.71	<LOD	64.19	779.86	24.00				
OS-AT2-NA-2.0	03/27/07	1.0	144.09	15.68	1,118.33	31.97	24.38	5.70	<LOD	59.51	47.71	6.05				
OS-AT2-NA-3.0	03/27/07	1.0	<LOD	29.04	606.81	20.79	<LOD	11.33	<LOD	54.67	15.29	4.30				
OS-AT2-NA-4.0	03/27/07	1.0	<LOD	32.92	89.47	8.72	<LOD	10.10	<LOD	56.28	<LOD	12.13	9.4	6.4	0.69	320 B
OS-AT2-NB-0.5	03/27/07	1.0	88.56	13.23	890.44	26.60	<LOD	20.48	<LOD	55.39	120.59	8.07				
OS-AT2-NB-1.0	03/27/07	1.0	2,429.94	63.71	2,512.23	59.30	<LOD	53.45	<LOD	62.67	796.95	24.11				
OS-AT2-NB-2.0	03/27/07	1.0	120.73	15.70	2,370.35	54.75	<LOD	45.74	<LOD	58.91	596.98	19.69				
OS-AT2-NB-2.0	03/27/07	1.0	96.34	14.27	2,036.98	47.23	<LOD	41.88	<LOD	57.22	528.34	17.61				
OS-AT2-NB-3.0	03/27/07	1.0	<LOD	30.65	777.71	24.84	<LOD	10.66	<LOD	57.69	14.51	4.42				
OS-AT2-NB-4.0	03/27/07	1.0	<LOD	33.09	238.57	14.33	<LOD	11.44	<LOD	60.35	<LOD	13.80				
OS-AT2-NC-0.5	03/27/07	1.0	71.72	16.31	1,177.32	39.22	<LOD	29.97	<LOD	68.56	166.18	11.69				
OS-AT2-NC-1.0	03/27/07	1.0	509.31	28.83	6,058.59	121.67	<LOD	47.45	<LOD	66.95	545.70	20.19				
OS-AT2-NC-2.0	03/27/07	1.0	49.85	11.96	870.51	26.74	<LOD	15.47	<LOD	57.30	49.65	5.91				
OS-AT2-NC-3.0	03/27/07	1.0	<LOD	35.31	148.82	11.33	<LOD	13.18	<LOD	59.85	24.91	5.15				
OS-AT2-NC-4.0	03/27/07	1.0	<LOD	29.11	67.20	7.64	<LOD	10.40	<LOD	55.24	13.67	4.19				
OS-AT2-SA-0.5	03/27/07	1.0	281.31	21.83	7,081.64	132.02	<LOD	60.46	<LOD	62.46	1,008.23	27.90				
OS-AT2-SA-1.0	03/27/07	1.0	42.38	12.63	334.31	17.23	<LOD	47.37	<LOD	61.22	663.97	21.34				
OS-AT2-SA-2.0	03/27/07	1.0	<LOD	34.37	570.07	21.20	<LOD	13.70	<LOD	57.53	31.72	5.27				
OS-AT2-SA-3.0	03/27/07	1.0	<LOD	33.49	474.15	19.77	<LOD	11.99	<LOD	59.03	17.35	4.74				
OS-AT2-SA-4.0	03/27/07	1.0	<LOD	30.22	122.78	9.55	13.77	3.92	<LOD	54.54	14.50	4.27				
OS-AT2-SB-0.5	03/27/07	1.0	1,095.84	44.94	11,364.28	221.16	226.22	57.99	<LOD	68.97	6,976.42	137.43	6,600	65	17	11,000 B
OS-AT2-SB-1.0	03/27/07	1.0	129.21	17.37	1,716.27	46.84	<LOD	47.38	<LOD	64.06	544.31	19.99				
OS-AT2-SB-2.0	03/27/07	1.0	49.45	11.57	579.07	20.22	49.19	7.76	<LOD	54.60	135.02	8.27				
OS-AT2-SB-3.0	03/27/07	1.0	53.79	11.89	444.57	17.88	29.80	7.16	<LOD	56.28	116.14	7.91				
OS-AT2-SB-4.0	03/27/07	1.0	32.95	10.55	68.99	7.48	16.03	3.87	<LOD	52.97	14.21	4.10				
OS-AT2-SC-0.5	03/27/07	0.5	247.82	24.87	3,040.89	81.14	141.78	27.91	<LOD	74.36	1,256.42	38.89				
OS-AT2-SC-1.0	03/27/07	0.5	95.18	15.76	985.64	33.00	<LOD	31.54	<LOD	64.57	212.98	12.20				
OS-AT2-SC-2.0	03/27/07	0.5	<LOD	34.20	644.37	22.88	<LOD	13.13	<LOD	57.49	24.97	5.00				
OS-AT2-SC-3.0	03/27/07	0.5	<LOD	36.69	345.35	17.14	<LOD	12.36	<LOD	62.65	16.42	4.81				
OS-AT2-SC-4.0	03/27/07	0.5	<LOD	33.88	228.67	13.60	<LOD	11.70	<LOD	58.65	23.41	4.95				
OS-AT3-0.1	03/28/07	na	<LOD	31.01	466.76	17.68	<LOD	17.06	<LOD	51.61	87.30	6.72	260	9.4	12	880 B
OS-AT3-NA-0.5	03/27/07	1.0	62.09	14.32	1,552.05	42.50	<LOD	15.81	<LOD	62.56	36.83	6.16				
OS-AT3-NA-1.0	03/27/07	1.0	870.53	38.55	25,420.60	437.80	90.48	19.90	<LOD	64.38	825.30	25.74				
OS-AT3-NA-2.0	03/27/07	1.0	40.69	11.60	957.90	27.83	<LOD	13.96	<LOD	56.93	34.34	5.24				
OS-AT3-NA-3.0	03/27/07	1.0	47.11	11.40	802.70	24.15	<LOD	12.98	<LOD	54.86	34.10	5.00				
OS-AT3-NA-4.0	03/27/07	1.0	<LOD	32.19	244.88	14.31	<LOD	10.53	<LOD	59.99	<LOD	12.76				
OS-AT3-NB-0.5	03/27/07	1.0	75.03	14.09	674.01	24.66	<LOD	35.72	<LOD	61.01	344.42	14.53				
OS-AT3-NB-1.0	03/27/07	1.0	106.91	16.09	2,334.52	54.33	49.10	11.22	<LOD	60.99	267.59	12.94				
OS-AT3-NB-2.0	03/27/07	1.0	<LOD	33.29	655.21	22.46	<LOD	18.16	<LOD	56.78	90.64	7.28				
OS-AT3-NB-3.0	03/27/07	1.0	<LOD	31.93	68.92	8.05	<LOD	12.13	<LOD	58.23	16.44	4.55				
OS-AT3-NB-4.0	03/27/07	1.0	<LOD	31.94	28.61	6.77	<LOD	12.21	<LOD	63.33	17.27	5.00				
OS-AT3-NC-0.5	03/27/07	0.5	131.60	17.21	1,920.51	50.54	28.91	9.31	<LOD	64.53	156.63	10.57				
OS-AT3-NC-1.0	03/27/07	0.5	<LOD	34.87	186.97	12.35	<LOD	12.14	<LOD	58.74	15.38	4.64				
OS-AT3-NC-2.0	03/27/07	0.5	<LOD	34.26	164.48	11.48	<LOD	13.15	<LOD	58.65	26.37	5.07	9.4	6.1	<0.22	55 B
OS-AT3-NC-3.0	03/27/07	0.5	<LOD	31.81	61.64	7.59	<LOD	10.86	<LOD	56.68	<LOD	12.14				
OS-AT3-NC-4.0	03/27/07	0.5	<LOD	32.02	117.90	9.79	<LOD	11.76	<LOD	56.86	16.22	4.47				
OS-AT3-SA-0.5	03/27/07	1.0	159.29	15.49	1,983.81	43.72	73.50	15.05	<LOD	55.10	665.36	19.01				
OS-AT3-SA-1.0	03/27/07	1.0	126.05	16.98	2,214.98	54.28	32.93	10.58	<LOD	63.09	225.18	12.30				
OS-AT3-SA-2.0	03/27/07	1.0	<LOD	31.44	226.71	12.72	<LOD	13.20	<LOD	55.18	38.69	5.30				
OS-AT3-SA-3.0	03/27/07	1.0	<LOD	30.65	108.38	8.87	<LOD	10.57	<LOD	53.39	16.31	4.21				
OS-AT3-SA-4.0	03/27/07	1.0	<LOD	34.92	63.50	8.34	<LOD	12.56	<LOD	60.81	<LOD	14.10				
OS-AT3-SB-0.5	03/27/07	1.0	325.44	21.92	2,863.83	64.44	<LOD	50.34	<LOD	61.05	706.71	21.79				
OS-AT3-SB-1.0	03/27/07	1.0	143.42	15.47	2,154.22	47.28	<LOD	44.77	<LOD	55.85	691.40	19.87				
OS-AT3-SB-2.0	03/27/07	1.0	42.27	11.96	511.63	20.31	<LOD	12.13	<LOD	60.21	18.09	4.70				
OS-AT3-SB-3.0	03/27/07	1.0	38.68	11.00	481.57	18.36	<LOD	10.95	<LOD	53.58	<LOD	12.46				
OS-AT3-SB-4.0	03/27/07	1.0	<LOD	35.58	235.26	14.14	<LOD	13.03	<LOD	60.75	28.73	5.36				

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													Laboratory Verification Sample Results (mg/kg)			
Sample ID	Sample Date	Approximate Depth of Slag	Cu	(+/-)	Zn	(+/-)	As	(+/-)	Cd	(+/-)	Pb	(+/-)	Pb	As	Cd	Zn
OS-AT3-SC-0.5	03/27/07	2.0	80.03	16.66	1,334.40	42.85	25.23	8.11	<LOD	70.75	86.46	8.94				
OS-AT3-SC-1.0	03/27/07	2.0	288.49	21.58	8,319.21	146.80	52.56	13.18	<LOD	59.56	405.04	15.78				
OS-AT3-SC-2.0	03/27/07	2.0	271.64	22.62	6,549.05	128.19	127.12	23.77	<LOD	66.50	1,226.84	32.95	280	7.8	6.1	1,900 B
OS-AT3-SC-3.0	03/27/07	2.0	<LOD	31.30	284.94	14.29	<LOD	12.26	<LOD	55.79	19.29	4.54				
OS-AT3-SC-4.0	03/27/07	2.0	<LOD	33.63	244.36	13.72	14.42	3.84	<LOD	58.65	<LOD	12.14				
OS-AT4-0.1	03/28/07	na	80.84	11.79	818.97	23.50	<LOD	19.40	<LOD	50.28	141.36	7.99	220	17	11	1,100 B
OS-AT4-A-0.5	03/27/07	1.0	301.86	22.71	4,901.91	98.93	131.91	14.99	<LOD	64.18	408.66	16.67				
OS-AT4-A-1.0	03/27/07	1.0	102.08	15.58	2,076.80	50.75	<LOD	44.91	<LOD	60.87	549.12	19.11				
OS-AT4-A-2.0	03/27/07	1.0	<LOD	33.89	577.06	21.64	<LOD	12.70	<LOD	59.16	21.89	4.87				
OS-AT4-A-3.0	03/27/07	1.0	<LOD	30.38	141.50	9.91	<LOD	10.66	<LOD	53.22	15.58	4.21				
OS-AT4-A-4.0	03/27/07	1.0	<LOD	31.00	75.58	7.99	<LOD	11.33	<LOD	58.18	18.87	4.48				
OS-AT4-B-0.5	03/27/07	1.3	580.48	28.03	2,155.91	51.72	55.14	12.17	<LOD	60.45	323.52	14.19				
OS-AT4-B-1.0	03/27/07	1.3	589.17	31.25	1,608.48	46.53	45.03	13.26	<LOD	66.92	325.66	15.73	370	30	8.5	1,700 B
OS-AT4-B-2.0	03/27/07	1.3	<LOD	35.43	163.00	13.13	<LOD	15.09	<LOD	65.89	27.99	5.89				
OS-AT4-B-3.0	03/27/07	1.3	<LOD	30.28	143.94	10.86	13.20	4.13	<LOD	58.36	<LOD	13.58				
OS-AT4-B-4.0	03/27/07	1.3	<LOD	32.33	84.56	8.36	<LOD	11.12	<LOD	55.36	<LOD	12.55				
OS-AT4-C-0.5	03/27/07	1.0	357.96	22.31	3,838.69	76.74	106.70	15.62	<LOD	58.88	568.40	18.78				
OS-AT4-C-1.0	03/27/07	1.0	325.52	42.44	2,936.49	125.22	98.69	28.01	<LOD	116.13	479.18	33.46	430	15	12	1,100 B
OS-AT4-C-2.0	03/27/07	1.0	50.61	12.14	366.90	16.68	19.59	4.79	<LOD	57.07	26.67	5.13				
OS-AT4-C-3.0	03/27/07	1.0	73.48	12.61	591.04	21.00	46.92	5.66	<LOD	55.26	33.73	5.25				
OS-AT4-C-4.0	03/27/07	1.0	<LOD	32.63	121.23	10.13	17.32	4.13	<LOD	58.20	<LOD	12.81				
OS-AT4-C-4.0	03/27/07	1.0	<LOD	32.17	214.09	12.62	22.53	4.53	<LOD	56.15	19.24	4.63				
OS-AT5-0.1	03/28/07	na	56.75	11.60	854.99	25.02	<LOD	18.69	<LOD	53.43	107.82	7.39	460	26	26	2,300 B
OS-AT5-A-0.5	03/27/07	8-in	343.15	23.22	3,324.17	72.56	52.22	16.18	<LOD	61.99	601.42	20.48				
OS-AT5-A-1.0	03/27/07	8-in	51.21	12.18	730.04	23.43	<LOD	19.13	<LOD	55.74	96.85	7.42				
OS-AT5-A-2.0	03/27/07	8-in	<LOD	30.31	555.49	20.37	<LOD	11.52	<LOD	56.33	19.40	4.60				
OS-AT5-A-3.0	03/27/07	8-in	<LOD	32.26	234.99	13.93	<LOD	11.39	<LOD	59.81	<LOD	13.76	13	4.5	0.24 J	72 B
OS-AT5-A-4.0	03/27/07	8-in	<LOD	33.00	73.84	8.12	<LOD	10.60	<LOD	55.91	14.75	4.44				
OS-AT5-B-0.5	03/28/07	9-in	303.06	24.67	2,343.26	63.11	<LOD	43.75	<LOD	69.22	386.54	17.93				
OS-AT5-B-1.0	03/28/07	9-in	84.19	13.91	772.69	27.34	<LOD	27.28	<LOD	63.90	186.86	11.01				
OS-AT5-B-2.0	03/28/07	9-in	<LOD	31.33	454.06	18.52	<LOD	12.19	<LOD	56.58	25.60	4.94	15	7.2	1.8	570
OS-AT5-B-3.0	03/28/07	9-in	<LOD	33.09	214.05	12.62	<LOD	11.36	<LOD	56.05	14.38	4.39				
OS-AT5-B-4.0	03/28/07	9-in	<LOD	31.98	171.64	11.09	<LOD	11.16	<LOD	54.60	13.80	4.24				
OS-AT6-0.1	03/28/07	na	276.92	19.92	4,429.27	83.99	<LOD	37.14	<LOD	58.26	440.46	15.91	630	26	29	6,600 B
OS-AT6-A-0.5	03/27/07	10-in	200.33	18.96	2,392.98	56.97	39.70	11.89	<LOD	62.21	301.25	14.03				
OS-AT6-A-1.0	03/27/07	10-in	99.95	14.28	1,140.68	32.03	<LOD	33.81	<LOD	56.88	339.08	13.74				
OS-AT6-A-2.0	03/27/07	10-in	<LOD	38.53	290.55	18.37	<LOD	14.60	<LOD	71.34	<LOD	16.78				
OS-AT6-A-3.0	03/27/07	10-in	<LOD	34.69	129.03	10.77	<LOD	11.56	<LOD	59.99	<LOD	13.69				
OS-AT6-A-4.0	03/27/07	10-in	<LOD	30.13	47.84	6.69	<LOD	9.95	<LOD	53.70	<LOD	11.57				
OS-AT6-B-0.5	03/27/07	7-in	158.53	16.97	2,748.46	59.93	<LOD	35.93	<LOD	59.55	354.71	14.56				
OS-AT6-B-1.0	03/27/07	7-in	40.06	11.29	381.45	16.42	<LOD	21.56	<LOD	55.16	140.05	8.51				
OS-AT6-B-2.0	03/27/07	7-in	<LOD	32.75	257.02	14.57	<LOD	11.67	<LOD	60.09	<LOD	13.55	9.6	6.5	2.9	230 B
OS-AT6-B-3.0	03/27/07	7-in	<LOD	30.23	209.97	11.88	<LOD	9.85	<LOD	54.04	<LOD	11.69				
OS-AT6-B-3.0	03/27/07	7-in	<LOD	30.13	330.07	15.64	<LOD	11.56	<LOD	56.94	16.33	4.53				
OS-AT6-C-0.5	03/27/07	0.0	1,072.90	38.10	2,683.37	60.45	66.87	13.62	<LOD	61.52	415.06	16.15	290	18	15	2,500 B
OS-AT6-C-1.0	03/27/07	0.0	109.55	13.35	811.33	24.37	<LOD	14.59	<LOD	54.73	44.92	5.43				
OS-AT6-C-2.0	03/27/07	0.0	<LOD	32.00	216.82	12.55	<LOD	10.91	<LOD	55.17	<LOD	12.45				
OS-AT6-C-3.0	03/27/07	0.0	<LOD	34.15	119.83	10.41	<LOD	10.94	<LOD	60.11	<LOD	13.74				
OS-AT6-C-4.0	03/27/07	0.0	<LOD	30.26	75.75	7.94	<LOD	10.22	<LOD	54.03	12.60	4.12				
OS-AT7-0.1	03/28/07	na	<LOD	29.38	629.94	21.33	<LOD	16.01	<LOD	53.06	66.68	6.21	240	9.1	10	1,100 B
OS-AT7-A-0.5	03/27/07	1.0	244.41	20.38	4,251.06	87.62	36.30	10.55	<LOD	62.60	227.05	12.14				
OS-AT7-A-1.0	03/27/07	1.0	162.93	19.01	1,960.26	51.99	45.78	11.92	<LOD	64.81	261.57	13.79	240	16	9.5	1,200 B
OS-AT7-A-2.0	03/27/07	1.0	<LOD	37.34	572.94	24.98	<LOD	17.80	<LOD	69.26	39.25	6.62				
OS-AT7-A-3.0	03/27/07	1.0	<LOD	33.59	143.79	11.26	<LOD	12.62	<LOD	60.43	16.79	4.74				
OS-AT7-A-4.0	03/27/07	1.0	<LOD	30.94	51.27	6.93	<LOD	11.16	<LOD	54.34	20.25	4.51				
OS-AT7-B-0.5	03/27/07	9-in	106.76	15.45	2,212.26	52.58	<LOD	29.92	<LOD	60.91	223.60	11.79				
OS-AT7-B-1.0	03/27/07	9-in	111.73	16.31	2,188.21	52.80	27.76	8.41	<LOD	61.59	131.76	9.50				
OS-AT7-B-2.0	03/27/07	9-in	<LOD	31.93	122.81	9.63	<LOD	10.55	<LOD	55.35	15.73	4.27				
OS-AT7-B-3.0	03/27/07	9-in	<LOD	31.50	153.07	11.33	<LOD	11.27	<LOD	57.80	<LOD	13.24	13	5.9	<0.25	62 B
OS-AT7-B-4.0	03/27/07	9-in	<LOD	29.16	76.63	8.02	<LOD	11.90	<LOD	55.44	25.73	4.82				
OS-AT7-C-0.5	03/27/07	10-in	160.58	20.96	4,757.91	107.80	<LOD	93.90	<LOD	69.36	1,989.34	50.55				
OS-AT7-C-1.0	03/27/07	10-in	50.89	12.79	618.71	22.57	<LOD	24.58	<LOD	57.27	150.95	9.45				
OS-AT7-C-2.0	03/27/07	10-in	<LOD	32.00	307.85	14.73	<LOD	13.41	<LOD	55.15	30.01	4.98				
OS-AT7-C-3.0	03/27/07	10-in	<LOD	30.18	160.67	10.67	12.80	3.99	<LOD	54.31	17.45	4.40				
OS-AT7-C-4.0	03/27/07	10-in	<LOD	29.28	107.64	9.05	<LOD	10.90	<LOD	53.32	13.01	4.12				
OS-AT8-0.1	03/28/07	na	<LOD	29.60	629.83	20.34	<LOD	13.59	<LOD	51.04	45.73	5.21	110	6.7	4.5	980 B
OS-AT8-C-0.5	03/26/07	1.0	1,387.63	56.72	41,899.82	810.65	<LOD	112.25	<LOD	75.05	2,559.06	64.57				
OS-AT8-C-1.0	03/26/07	1.0	570.40	28.84	6,867.65	127.92	<LOD	103.82	<LOD	60.88	3,089.54	62.11	810	18	15	2,900 B
OS-AT8-C-2.0	03/26/07	1.0	<LOD	41.54	1,094.81	38.00	<LOD	14.54	<LOD	69.91	18.64	5.64				
OS-AT8-C-3.0	03/26/07	1.0	47.80	11.95	715.19	23.84	<LOD	12.99	<LOD	56.63	27.86	5.03				
OS-AT8-C-4.0	03/26/07	1.0	<LOD	37.39	1,023.73	32.04	<LOD	16.26	<LOD	62.43	44.96	6.25				
OS-AT8-C-4.0	03/26/07	1.0	<LOD	33.60	537.95	20.21	<LOD	14.17	<LOD	56.54	42.78	5.64				
OS-AT8-C-4.0	03/26/07	1.0	<LOD	33.91	393.01	17.29	<LOD	14.11	<LOD	57.18	35.33	5.43				
OS-AT8-E-0.5	03/26/07	1.5	223.78	20.14	2,004.18	51.73	40.12	12.53	<LOD	65.09	320.21	14.87				
OS-AT8-E-1.0	03/26/07	1.5	253.25	23.60	1,975.17	55.82	50.06	13.30	<LOD	70.66	287.35	15.48				
OS-AT8-E-2.0	03/26/07	1.5	157.43	17.18	2,776.74	60.71	<LOD	52.77	<LOD	60.18	869.19	24.50				
OS-AT8-E-3.0	03/26/07	1.5	<LOD	31.64	125.50	9.74	<LOD	11.67	<LOD	55.46	20.59	4.56				
OS-AT8-E-4.0	03/26/07	1.5	<LOD	30.69	51.73	7.24	<LOD	10.97	<LOD	56.65	<LOD	12.32				
OS-AT8-E-4.0	03/26/07	1.5	<LOD	37.77	38.18	8.06	<LOD	12.03	<LOD	69.67	<LOD	15.45				
OS-AT8-E-4.0	03/26/07	1.5	<LOD	35.21	66.53	8.34	<LOD	11.75	<LOD	60.85	13.88	4.57				
OS-AT8-W-0.5	03/26/07	1.0	139.77	18.96	1,849.54	51.86	32.00	10.34	<LOD	68.99	172.88	11.85				
OS-AT8-W-1.0	03/26/07	1.0	865.85	43.51	24,563.43	483.41	106.28	28.65	<LOD	73.44	1,397.98	41.28				
OS-AT8-W-2.0	03/26/07	1.0	<LOD	31.70	1,078.08	30.54	<LOD	13.66	<LOD	57.44	34.82	5.43	26	8.5	13	1,400 B
OS-AT8-W-3.0	03/26/07	1.0	57.71	12.89	986.03	29.08	<LOD	18.26	<LOD	58.83	70.86	6.84				
OS-AT8-W-4.0	03/26/07	1.0	<LOD	33.38	129.58	10.86	<LOD	11.89	<LOD	61.51	<LOD	13.10				
OS-AT8-W-4.0	03/26/07	1.0	<LOD	30.18	111.79	9.83	<LOD	10.12	<LOD	56.59	<LOD	11.66				
OS-AT8-W-4.0	03/26/07	1.0	<LOD	41.60	210.05	16.50	<LOD	16.93	<LOD	73.79	21.52	6.27				

Appendix N
Residential, Vacant, and Commercial Property XRF Results and Corresponding Laboratory Results
Old American Zinc Plant Site, Fairmont City, Illinois

															Laboratory Verification Sample Results (mg/kg)			
Sample ID	Sample Date	Zn	(+/-)	Zn Avg	As	(+/-)	As Avg	Cd	(+/-)	Cd Avg	Pb	(+/-)	Pb Avg	Pb	As	Cd	Zn
[redacted]	07/13/06	654.00	23	3,689.50	<LOD	26	816.00	<LOD	54	<LOD	210.00	10	1,851.33	180	4.7	6.3	480
[redacted]	07/13/06	6,715.00	136		816.00	52		<LOD	64		5,037.00	100					
[redacted]	07/13/06	<LOD	190		<LOD	103		<LOD	174		307.00	52					
[redacted]	07/13/06	<LOD	170	3,963.50	<LOD	92	816.00	<LOD	160	<LOD	240.00	46	1,829.33				
[redacted]	07/13/06	1,212.00	90		<LOD	35		<LOD	68		231.00	14					
[redacted]	07/13/06	6,715.00	130		816.00	52		<LOD	64		5,017.00	100					
[redacted]	07/13/06	2,457.00	53	2,478.67	<LOD	42	<LOD	<LOD	58	71.00	575.00	18	642.33	710	16	30	3,100
[redacted]	07/13/06	2,439.00	56		<LOD	47		<LOD	61		632.00	20					
[redacted]	07/13/06	2,540.00	54		<LOD	48		71.00	19		720.00	21					
[redacted]	07/13/06	1,017.00	30	1,581.67	<LOD	24	<LOD	<LOD	58	<LOD	154.00	9	692.33				
[redacted]	07/13/06	2,648.00	59		<LOD	71		<LOD	61		1,598.00	37					
[redacted]	07/13/06	1,022.00	33		<LOD	36		<LOD	63		325.00	15					
[redacted]	07/13/06	638.00	22	767.00	<LOD	14	<LOD	<LOD	55	<LOD	39.00	5	27.67				
[redacted]	07/13/06	987.00	28		<LOD	11		<LOD	55		14.00	4					
[redacted]	07/13/06	676.00	24		<LOD	14		<LOD	59		30.00	5					
[redacted]	07/13/06	1,044.00	31	1,023.67	<LOD	29	<LOD	<LOD	57	<LOD	249.00	12	220.67	210	7.3	9.6	1,000
[redacted]	07/13/06	885.00	25		<LOD	24		<LOD	53		197.00	10					
[redacted]	07/13/06	1,142.00	31		<LOD	25		<LOD	55		216.00	10					
[redacted]	07/13/06	1,442.00	37	1,331.67	<LOD	28	<LOD	<LOD	58	<LOD	238.00	11	221.67				
[redacted]	07/13/06	1,301.00	34		<LOD	26		<LOD	57		214.00	11					
[redacted]	07/13/06	1,252.00	33		<LOD	26		<LOD	56		213.00	11					
[redacted]	07/13/06	646.00	23	653.33	<LOD	22	<LOD	<LOD	58	<LOD	128.00	9	130.33				
[redacted]	07/13/06	620.00	23		<LOD	23		<LOD	59		135.00	9					
[redacted]	07/13/06	694.00	23		<LOD	21		<LOD	57		128.00	8					
[redacted]	07/13/06	476.00	19	361.00	<LOD	15	<LOD	<LOD	55	<LOD	49.00	6	37.33				
[redacted]	07/13/06	278.00	14		<LOD	13	<LOD	<LOD	55		30.00	5					
[redacted]	07/13/06	329.00	16		<LOD	15		<LOD	58		33.00	5					
[redacted]	07/13/06	459.00	18	474.33	<LOD	16	<LOD	<LOD	55	<LOD	54.00	6	54.33				
[redacted]	07/13/06	456.00	20		<LOD	6		<LOD	62		46.00	6					
[redacted]	07/13/06	508.00	21		<LOD	17		<LOD	61		63.00	7					
[redacted]	07/13/06	729.00	22	847.33	<LOD	21	<LOD	<LOD	49	<LOD	164.00	9	216.33				
[redacted]	07/13/06	931.00	26		<LOD	26		<LOD	59		238.00	11					
[redacted]	07/13/06	882.00	25		<LOD	27		<LOD	52		247.00	11					
[redacted]	07/13/06	1,238.00	35	1,164.00	<LOD	42	<LOD	<LOD	59	<LOD	509.00	18	418.00	330	11	15	1,000
[redacted]	07/13/06	1,078.00	31		<LOD	34		<LOD	56		365.00	14					
[redacted]	07/13/06	1,176.00	32		<LOD	35		<LOD	57		380.00	14					
[redacted]	07/13/06	686.00	23	665.67	<LOD	24	<LOD	<LOD	56	<LOD	172.00	10	132.33				
[redacted]	07/13/06	605.00	23		<LOD	23		<LOD	66		105.00	9					
[redacted]	07/13/06	706.00	23		<LOD	23		<LOD	59		120.00	9					
[redacted]	07/13/06	900.00	28	873.33	<LOD	26	<LOD	<LOD	58	<LOD	200.00	11	202.67				
[redacted]	07/13/06	867.00	27		<LOD	27		<LOD	58		213.00	11					
[redacted]	07/13/06	853.00	26		<LOD	26		<LOD	56		195.00	10					
[redacted]	07/13/06	689.00	23	658.67	<LOD	22	<LOD	<LOD	55	<LOD	150.00	9	133.33				
[redacted]	07/13/06	652.00	23		<LOD	21		<LOD	58		112.00	8					
[redacted]	07/13/06	635.00	24		<LOD	24		<LOD	62		138.00	9					
[redacted]	07/13/06	716.00	23	910.00	<LOD	21	<LOD	<LOD	52	<LOD	147.00	9	147.00				
[redacted]	07/13/06	1,083.00	27		<LOD	19		<LOD	50		137.00	8					
[redacted]	07/13/06	921.00	26		<LOD	23		<LOD	55		157.00	9					
[redacted]	07/13/06	891.00	29	1,739.67	<LOD	27	<LOD	<LOD	62	<LOD	179.00	10	190.33				
[redacted]	07/13/06	906.00	29		<LOD	25		<LOD	60		161.00	10					
[redacted]	07/13/06	3,422.00	70		<LOD	29		<LOD	60		231.00	12					
[redacted]	07/13/06	605.00	22	473.00	<LOD	17	<LOD	<LOD	59	<LOD	64.00	7	53.67				
[redacted]	07/13/06	410.00	18		<LOD	16		<LOD	58		48.00	6					
[redacted]	07/13/06	404.00	17		<LOD	15		<LOD	57		49.00	6					
[redacted]	07/13/06	275.00	17	244.00	<LOD	15	<LOD	<LOD	68	<LOD	22.00	6	18.67				
[redacted]	07/13/06	226.00	13		<LOD	12		<LOD	57		17.00	5					
[redacted]	07/13/06	231.00	14		<LOD	13		<LOD	64		17.00	5					
[redacted]	07/13/06	298.00	15	237.33	<LOD	13	<LOD	<LOD	57	<LOD	25.00	5	18.67				
[redacted]	07/13/06	205.00	13		<LOD	13		<LOD	61		16.00	5					
[redacted]	07/13/06	209.00	14		<LOD	13		<LOD	62		15.00	5					
[redacted]	07/13/06	572.00	20	575.33	<LOD	23	<LOD	<LOD	53	<LOD	187.00	10	178.67				
[redacted]	07/13/06	554.00	19		<LOD	20		<LOD	51		148.00	8					
[redacted]	07/13/06	600.00	21		<LOD	24		<LOD	52		201.00	10					
[redacted]	07/13/06	1,022.00	30	964.33	<LOD	34	<LOD	<LOD	58	<LOD	358.00	14	372.67	280	12	12	820
[redacted]	07/13/06	1,054.00	30		<LOD	36		<LOD	58		399.00	15					
[redacted]	07/13/06	817.00	31		<LOD	41		<LOD	68		361.00	17					
[redacted]	07/13/06	1,000.00	32	847.33	<LOD	40	31.00	<LOD	61	<LOD	415.00	16	293.33				
[redacted]	07/13/06	768.00	25		31.00	9		<LOD	59		214.00	11					
[redacted]	07/13/06	776.00	26		<LOD	31		<LOD	59		251.00	12					
[redacted]	07/13/06	503.00	26	453.67	<LOD	28	<LOD	<LOD	74	<LOD	110.00	10	75.00				
[redacted]	07/13/06	403.00	27		<LOD	26		<LOD	93		56.00	10					
[redacted]	07/13/06	455.00	20		<LOD	19		<LOD	63		59.00	7					
[redacted]	07/13/06	482.00	28	594.33	<LOD	27	<LOD	<LOD	85	<LOD	78.00	10	81.33				
[redacted]	07/13/06	615.00	23		<LOD	19		<LOD	59		81.00	7					
[redacted]	07/13/06	706.00	23		<LOD	19		<LOD	57		85.00	7					
[redacted]	07/14/06	1,575.66	40	3,115.87	<LOD	30	<LOD	<LOD	58	<LOD	263.72	12	572.43				
[redacted]	07/14/06	3,145.83	65		<LOD	33		<LOD	59		315.99	13					
[redacted]	07/14/06	4,626.41	88		<LOD	57		<LOD	60		1,137.59	29					
[redacted]	07/14/06	1,124.37	32	1,303.09	<LOD	28	30.77	<LOD	61	<LOD	219.40	11	258.03				
[redacted]	07/14/06	1,253.71	35		<LOD	32		<LOD	61		319.94	14					
[redacted]	07/14/06	1,531.19	39		30.77	10		<LOD	59		237.76	12					
[redacted]	07/14/06	872.54	27	822.60	<LOD	42	<LOD	<LOD	58	<LOD	597.27	19	364.78	290	10	4	980
[redacted]	07/14/06	814.57	26		<LOD	32		<LOD	59		301.17	13					
[redacted]	07/14/06	780.68	25		<LOD	26		<LOD	58		195.89	10					
[redacted]	07/14/06	265.89	16	302.71	<LOD	20	23.63	<LOD	66	<LOD	85.45	8	68.37				
[redacted]	07/14/06	277.65	18		<LOD	21		<LOD	73		72.35	8					
[redacted]	07/14/06	364.59	16		23.63	5		<LOD	55		47.31	6					
[redacted]	07/14/06	503.20	20	650.30	<LOD	22	<LOD	<LOD	57	<LOD	131.81	9	125.34				
[redacted]	07/14/06	765.95	25		<LOD	20		<LOD	57		110.27	8					
[redacted]	07/14/06	681.75	24		<LOD	23		<LOD	59		133.93	9					
[redacted]	07/14/06	74.54	8	72.89	<LOD	13	<LOD	<LOD	58	<LOD	36.68	5	31.73				

EX. 6
91 REDACTIONS

Appendix N
Residential, Vacant, and Commercial Property XRF Results and Corresponding Laboratory Results
Old American Zinc Plant Site, Fairmont City, Illinois

														Laboratory Verification Sample Results (mg/kg)			
Sample ID	Sample Date	Zn	(+/-)	Zn Avg	As	(+/-)	As Avg	Cd	(+/-)	Cd Avg	Pb	(+/-)	Pb Avg	Pb	As	Cd	Zn
[redacted]	07/14/06	88.13	9		<LOD	13		<LOD	58		28.88	5					
[redacted]	07/14/06	58.02	8		<LOD	14		<LOD	62		29.83	5					
[redacted]	07/14/06	72.32	8	66.24	<LOD	12	<LOD	<LOD	57	<LOD	19.97	5	25.36				
[redacted]	07/14/06	49.43	7		<LOD	13		<LOD	57		30.04	5					
[redacted]	07/14/06	76.97	8		<LOD	12		<LOD	58		26.05	5					
[redacted]	07/14/06	857.75	26	618.46	<LOD	17	<LOD	<LOD	57	<LOD	68.06	7	60.84				
[redacted]	07/14/06	676.14	23		<LOD	18		<LOD	57		67.55	7					
[redacted]	07/14/06	321.50	16		<LOD	16		<LOD	59		48.29	6					
[redacted]	07/14/06	255.78	15	351.44	<LOD	19	<LOD	<LOD	64	<LOD	73.33	7	89.38				
[redacted]	07/14/06	476.67	21		<LOD	22		<LOD	62		106.55	8					
[redacted]	07/14/06	321.89	18		<LOD	20		<LOD	66		88.27	8					
[redacted]	07/14/06	488.86	19	494.61	<LOD	21	21.98	<LOD	58	<LOD	113.90	8	115.08				
[redacted]	07/14/06	434.65	18		21.98	7		<LOD	58		110.75	8					
[redacted]	07/14/06	560.34	21		<LOD	21		<LOD	58		120.59	8					
[redacted]	06/22/06	772.03	24	760.44	<LOD	18	<LOD	<LOD	53	<LOD	98.87	7	138.01				
[redacted]	06/22/06	625.21	27		<LOD	21		<LOD	53		147.59	9					
[redacted]	06/22/06	584.07	22		<LOD	24		<LOD	60		167.56	10					
[redacted]	06/22/06	1,040.78	30	1,041.02	<LOD	29	<LOD	<LOD	56	<LOD	247.50	12	245.58				
[redacted]	06/22/06	1,067.49	32		<LOD	31		<LOD	60		266.32	13					
[redacted]	06/22/06	1,014.81	30		<LOD	28		<LOD	57		222.86	11					
[redacted]	06/22/06	605.11	21	627.67	<LOD	18	<LOD	<LOD	55	<LOD	88.98	7	79.15	78	7.1	14	700
[redacted]	06/22/06	605.64	21		<LOD	18		<LOD	56		83.50	7					
[redacted]	06/22/06	672.27	22		<LOD	17		<LOD	56		84.99	6					
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[redacted]	06/22/06	353.66	16		<LOD	14		<LOD	55		40.52	5					
[redacted]	06/22/06	230.60	13	235.35	<LOD	15	<LOD	<LOD	54	<LOD	56.57	6	47.39				
[redacted]	06/22/06	255.23	14		<LOD	15		<LOD	57		43.83	6					
[redacted]	06/22/06	220.20	13		<LOD	15		<LOD	57		41.77	6					
[redacted]	06/22/06	1,371.80	35	3,419.88	<LOD	41	<LOD	<LOD	56	<LOD	601.48	18	3,155.83				
[redacted]	06/22/06	1,411.14	36		<LOD	45		<LOD	55		669.33	19					
[redacted]	06/22/06	7,476.70	141		<LOD	168		<LOD	64		8,196.68	146					
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[redacted]	06/22/06	776.04	25		<LOD	18		<LOD	57		86.21	7					
[redacted]	06/22/06	768.36	24		<LOD	20		<LOD	56		112.78	8					
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[redacted]	06/22/06	956.49	27		<LOD	23		<LOD	53		160.39	9					
[redacted]	06/22/06	1,014.69	29		<LOD	29		<LOD	56		270.77	12					
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[redacted]	06/22/06	1,246.30	33		<LOD	25		<LOD	56		178.08	10					
[redacted]	06/22/06	1,227.32	34		<LOD	26		67.63	20		196.35	11					
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[redacted]	06/22/06	785.73	26		<LOD	17		77.16	20		72.38	7					
[redacted]	06/22/06	839.75	28		<LOD	18		<LOD	62		66.37	7					
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[redacted]	06/22/06	458.80	19		<LOD	15		<LOD	58		51.96	6					
[redacted]	06/22/06	468.62	18	368.29	<LOD	17	<LOD	<LOD	55	<LOD	72.30	7	68.03	45	5.1	3.5	310
[redacted]	06/22/06	286.24	15		<LOD	15		<LOD	57		57.99	6					
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[redacted]	06/22/06	1,051.31	30	959.93	<LOD	38	56.87	<LOD	58	<LOD	469.44	16	483.81				
[redacted]	06/22/06	911.45	28		<LOD	38		<LOD	57		487.88	17					
[redacted]	06/22/06	917.03	28		56.87	14		<LOD	57		494.11	17					
[redacted]	06/22/06	964.03	30	1,016.19	<LOD	33	<LOD	<LOD	61	<LOD	281.01	13	386.48				
[redacted]	06/22/06	1,000.39	30		<LOD	35		<LOD	58		359.84	14					
[redacted]	06/22/06	1,084.17	32		<LOD	41		<LOD	58		518.57	18					
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[redacted]	06/22/06	1,088.96	30		<LOD	30		<LOD	55		300.09	12					
[redacted]	06/22/06	949.23	27		<LOD	31		<LOD	56		322.07	13					
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[redacted]	06/22/06	1,029.72	31		<LOD	33		<LOD	59		292.94	13					
[redacted]	06/22/06	1,137.07	32		<LOD	33		<LOD	56		333.86	13					
[redacted]	06/22/06	628.28	22	657.40	<LOD	21	<LOD	<LOD	56	<LOD	125.81	8	107.45				
[redacted]	06/22/06	712.20	23		<LOD	19		<LOD	58		108.43	8					
[redacted]	06/22/06	631.73	23		<LOD	19		<LOD	58		88.12	7					
[redacted]	06/22/06	764.78	26	713.78	<LOD	27	<LOD	<LOD	57	<LOD	203.79	11	155.07				
[redacted]	06/22/06	647.33	25		<LOD	23		<LOD	62		114.19	9					
[redacted]	06/22/06	729.22	24		<LOD	22		<LOD	56		147.22	9					
[redacted]	06/22/06	334.98	15	323.55	<LOD	14	<LOD	<LOD	55	<LOD	43.09	5	45.74				
[redacted]	06/22/06	275.48	15		<LOD	15		<LOD	58		45.59	6					
[redacted]	06/22/06	360.20	17		<LOD	15		<LOD	58		48.53	6					
[redacted]	06/22/06	255.78	14	318.22	<LOD	14	<LOD	<LOD	57	<LOD	32.64	5	44.08				
[redacted]	06/22/06	349.79	17		<LOD	16		<LOD	59		61.04	7					
[redacted]	06/22/06	349.10	17		<LOD	15		<LOD	59		38.56	6					
[redacted]	06/22/06	160.78	17	192.45	<LOD	19	<LOD	<LOD	87	<LOD	29.45	8	35.16				
[redacted]	06/22/06	175.75	11		<LOD	12		<LOD	53		36.36	5					
[redacted]	06/22/06	240.82	16		<LOD	16		<LOD	66		39.66	6					
[redacted]	06/22/06	182.06	12	197.63	<LOD	14	<LOD	<LOD	60	<LOD	29.41	5	36.06				
[redacted]	06/22/06	209.27	12		<LOD	13		<LOD	55		40.03	5					
[redacted]	06/22/06	201.56	12		<LOD	14		<LOD	57		38.75	5					
[redacted]	07/13/06	628.00	22	652.33	<LOD	22	<LOD	<LOD	57	<LOD	133.00	9	160.00				
[redacted]	07/13/06	766.00	25		<LOD	20		<LOD	58		214.00	11					

EX. 6
91 REDACTIONS

Appendix N
Residential, Vacant, and Commercial Property XRF Results and Corresponding Laboratory Results
Old American Zinc Plant Site, Fairmont City, Illinois

															Laboratory Verification Sample Results (mg/kg)			
Sample ID	Sample Date	Zn	(+/-)	Zn Avg	As	(+/-)	As Avg	Cd	(+/-)	Cd Avg	Pb	(+/-)	Pb Avg		Pb	As	Cd	Zn
[redacted]	07/13/06	563.00	21		<LOD	21		<LOD	58		133.00	9						
[redacted]	07/13/06	1,322.00	35	1,191.67	<LOD	27	<LOD	<LOD	59	71.00	223.00	11	201.00					
[redacted]	07/13/06	1,158.00	32		<LOD	26		71.00	19		192.00	10						
[redacted]	07/13/06	1,095.00	31		<LOD	26		<LOD	58		188.00	10						
[redacted]	07/13/06	1,411.00	37	1,569.33	<LOD	31	<LOD	<LOD	58	<LOD	293.00	13	385.67					
[redacted]	07/13/06	1,825.00	44		<LOD	38		<LOD	60		452.00	16						
[redacted]	07/13/06	1,472.00	39		<LOD	37		<LOD	61		412.00	16						
[redacted]	07/13/06	1,281.00	34	1,483.67	<LOD	29	<LOD	<LOD	57	<LOD	280.00	12	279.33					
[redacted]	07/13/06	1,395.00	37		<LOD	30		<LOD	59		281.00	12						
[redacted]	07/13/06	1,775.00	42		<LOD	31		<LOD	57		317.00	13						
[redacted]	07/13/06	892.00	20	941.33	<LOD	23	<LOD	<LOD	56	<LOD	170.00	9	156.33					
[redacted]	07/13/06	956.00	28		<LOD	22		<LOD	57		131.00	9						
[redacted]	07/13/06	976.00	30		<LOD	25		<LOD	60		168.00	10						
[redacted]	07/13/06	676.00	23	651.67	<LOD	22	<LOD	<LOD	57	<LOD	133.00	8	135.33					
[redacted]	07/13/06	732.00	24		<LOD	22		<LOD	56		138.00	9						
[redacted]	07/13/06	547.00	21		<LOD	22		<LOD	57		135.00	9						
[redacted]	07/13/06	976.00	30	921.33	<LOD	29	31.00	<LOD	60	<LOD	228.00	12	203.67					
[redacted]	07/13/06	913.00	29		31.00	9		<LOD	59		182.00	10						
[redacted]	07/13/06	875.00	28		<LOD	27		<LOD	60		201.00	11						
[redacted]	07/13/06	1,287.00	35	1,281.00	<LOD	32	<LOD	<LOD	59	<LOD	302.00	13	330.00					
[redacted]	07/13/06	1,163.00	32		<LOD	31		<LOD	58		284.00	12						
[redacted]	07/13/06	1,383.00	36		<LOD	37		<LOD	58		404.00	15						
[redacted]	07/13/06	712.00	24	660.33	<LOD	16	<LOD	<LOD	59	<LOD	50.00	6	60.67					
[redacted]	07/13/06	654.00	23		<LOD	17		<LOD	57		73.00	7						
[redacted]	07/13/06	615.00	22		<LOD	6		<LOD	57		59.00	6						
[redacted]	07/13/06	623.00	22	617.00	<LOD	11	<LOD	<LOD	56	<LOD	51.00	6	42.00					
[redacted]	07/13/06	591.00	22		<LOD	16		<LOD	58		45.00	6						
[redacted]	07/13/06	637.00	22		<LOD	14		<LOD	57		30.00	5						
[redacted]	07/13/06	947.00	28	916.67	<LOD	28	<LOD	<LOD	58	<LOD	222.00	11	195.00					
[redacted]	07/13/06	944.00	28		<LOD	25		<LOD	55		193.00	10						
[redacted]	07/13/06	859.00	26		<LOD	25		<LOD	55		170.00	9						
[redacted]	07/13/06	930.00	28	912.67	<LOD	26	<LOD	<LOD	57	<LOD	199.00	10	193.00					
[redacted]	07/13/06	719.00	24		<LOD	24		<LOD	56		151.00	9						
[redacted]	07/13/06	1,089.00	31		<LOD	27		<LOD	57		229.00	11						
[redacted]	07/13/06	3,328.00	69	3,533.33	<LOD	56	60.00	<LOD	61	<LOD	927.00	25	1,059.33		1,100	26	24	3,900
[redacted]	07/13/06	3,202.00	67		60.00	19		<LOD	60		907.00	25						
[redacted]	07/13/06	4,070.00	68		<LOD	68		<LOD	62		1,344.00	34						
[redacted]	07/13/06	754.00	29	1,091.67	<LOD	23	39.00	<LOD	50	<LOD	149.00	9	188.67					
[redacted]	07/13/06	1,803.00	45		<LOD	27		<LOD	58		186.00	11						
[redacted]	07/13/06	718.00	24		39.00	10		<LOD	57		231.00	11						
[redacted]	07/13/06	894.00	26	974.00	<LOD	26	<LOD	<LOD	56	<LOD	203.00	10	229.00					
[redacted]	07/13/06	1,025.00	29		<LOD	28		<LOD	56		204.00	10						
[redacted]	07/13/06	1,003.00	29		<LOD	30		<LOD	57		280.00	12						
[redacted]	07/13/06	2,089.00	49	1,982.67	<LOD	46	<LOD	<LOD	59	<LOD	639.00	20	559.00					
[redacted]	07/13/06	2,636.00	57		<LOD	46		<LOD	58		666.00	20						
[redacted]	07/13/06	1,223.00	32		<LOD	32		<LOD	55		372.00	14						
[redacted]	07/13/06	2,557.00	57	2,370.00	<LOD	43	<LOD	<LOD	61	<LOD	529.00	18	507.00		510	13	21	1,700
[redacted]	07/13/06	2,055.00	48		<LOD	38		<LOD	59		430.00	16						
[redacted]	07/13/06	2,498.00	56		<LOD	43		<LOD	60		562.00	19						
[redacted]	07/13/06	1,109.00	31	1,318.67	<LOD	30	<LOD	<LOD	57	<LOD	300.00	13	308.67					
[redacted]	07/13/06	1,312.00	34		<LOD	31		<LOD	56		305.00	13						
[redacted]	07/13/06	1,529.00	38		<LOD	32		<LOD	58		321.00	13						
[redacted]	07/13/06	1,102.00	30	927.00	47.00	10	47.00	<LOD	56	<LOD	237.00	11	167.00					
[redacted]	07/13/06	758.00	29		<LOD	21		<LOD	56		137.00	9						
[redacted]	07/13/06	921.00	27		<LOD	21		<LOD	55		127.00	8						
[redacted]	07/13/06	671.00	22	666.00	<LOD	18	<LOD	<LOD	56	<LOD	82.00	7	80.33					
[redacted]	07/13/06	768.00	24		<LOD	19		<LOD	56		104.00	8						
[redacted]	07/13/06	559.00	21		<LOD	17		<LOD	58		55.00	6						
[redacted]	07/20/06	2,808.00	63	2,496.33	<LOD	121	<LOD	<LOD	60	<LOD	4,491.00	64	1,772.00					
[redacted]	07/20/06	1,976.00	43		<LOD	33		<LOD	52		408.00	14						
[redacted]	07/20/06	2,705.00	55		<LOD	36		<LOD	54		417.00	15						
[redacted]	07/20/06	2,948.00	62	2,763.67	<LOD	36	<LOD	<LOD	61	<LOD	401.00	15	493.67					
[redacted]	07/20/06	2,798.00	58		<LOD	43		<LOD	58		598.00	19						
[redacted]	07/20/06	2,545.00	56		<LOD	40		<LOD	58		482.00	17						
[redacted]	07/20/06	4,281.00	84	4,395.67	<LOD	48	55.00	<LOD	61	<LOD	855.00	21	687.67		720	17	61	3,600
[redacted]	07/20/06	4,598.00	88		55.00	16		<LOD	57		728.00	21						
[redacted]	07/20/06	4,308.00	86		<LOD	49		<LOD	61		679.00	21						
[redacted]	07/20/06	2,438.00	54	1,795.67	<LOD	36	<LOD	<LOD	59	<LOD	381.00	15	392.67					
[redacted]	07/20/06	2,246.00	50		<LOD	34		<LOD	57		337.00	14						
[redacted]	07/20/06	703.00	23		<LOD	35		<LOD	58		460.00	15						
[redacted]	07/20/06	1,232.00	33	1,203.33	<LOD	20	<LOD	<LOD	54	<LOD	104.00	8	117.00					
[redacted]	07/20/06	1,076.00	30		<LOD	19		<LOD	56		83.00	7						
[redacted]	07/20/06	1,302.00	35		<LOD	23		<LOD	57		164.00	10						
[redacted]	12/13/06	391.80	16.77		<LOD	20.32		<LOD	55.77		119.43	7.99			220 B	11	11	770
[redacted]	12/13/06	382.42	16.09		<LOD	17.87		<LOD	53.46		88.84	6.92						
[redacted]	12/13/06	505.07	19.52	426.43	<LOD	23.06	<LOD	<LOD	57.05	<LOD	158.10	9.21	122.48					
[redacted]	12/13/06	337.38	17.23		<LOD	21.93		<LOD	58.83		108.66	8.53						
[redacted]	12/13/06	310.08	15.18		<LOD	25.47		<LOD	56.48		201.09	10.27						
[redacted]	12/13/06	360.57	16.03	336.01	<LOD	19.60	<LOD	<LOD	55.64	<LOD	115.67	7.88	141.81					
[redacted]	12/13/06	168.35	11.55		<LOD	13.30		<LOD	57.19		31.65	5.26						
[redacted]	12/13/06	154.77	11.55		22.52	5.04		<LOD	58.85		26.84	5.20						
[redacted]	12/13/06	196.48	12.31	173.20	<LOD	14.20	22.52	<LOD	57.16	<LOD	43.17	5.68	33.89					
[redacted]	12/13/06	187.42	11.92		<LOD	12.96		<LOD	56.60		30.15	5.11						
[redacted]	12/13/06	174.47	11.54		16.00	4.51		<LOD	56.17		24.63	4.88						
[redacted]	12/13/06	117.17	9.62		12.08	3.82		<LOD	55.51		<LOD	12.54						
[redacted]	12/13/06	107.35	9.36		<LOD	12.34		<LOD	56.54		20.53	4.68						
[redacted]	12/13/06	125.13	9.81	116.55	<LOD	10.93	12.08	<LOD	54.94	<LOD	19.20	4.54	19.87					
[redacted]	12/13/06	*83.89*	*6.40*		*<LOD*	*14.39*		*<LOD*	*61.98*		*31.87*	*5.69*						
[redacted]	12/13/06	90.30	9.96		<LOD	13.72		<LOD	64.41		25.75	5.60						
[redacted]	12/13/06	87.41	9.58	87.20	15.04	4.65	15.04	<LOD	62.54	<LOD	16.32	5.06	24.85					
[redacted]	12/13/06	333.65	16.48		<LOD	16.35		<LOD	59.22		53.76	6.33						

EX 6

91 REDACTIONS

Appendix N
Residential, Vacant, and Commercial Property XRF Results and Corresponding Laboratory Results
Old American Zinc Plant Site, Fairmont City, Illinois

														Laboratory Verification Sample Results (mg/kg)			
Sample ID	Sample Date	Zn	(+/-)	Zn Avg	As	(+/-)	As Avg	Cd	(+/-)	Cd Avg	Pb	(+/-)	Pb Avg	Pb	As	Cd	Zn
[redacted]	12/13/06	380.28	17.56		<LOD	17.04		<LOD	59.14		55.51	6.33					
[redacted]	12/13/06	328.89	16.37	347.61	<LOD	17.71	<LOD	<LOD	59.29	<LOD	69.93	6.90	59.73				
[redacted]	12/13/06	334.86	14.87		<LOD	16.09		<LOD	52.29		67.13	6.15					
[redacted]	12/13/06	317.12	14.71		<LOD	15.86		<LOD	54.70		63.13	6.11					
[redacted]	12/13/06	305.55	14.53	319.18	<LOD	16.38	<LOD	<LOD	54.88	<LOD	70.75	6.43	67.00				
[redacted]	12/13/06	148.43	11.55		<LOD	12.23		<LOD	61.84		21.26	5.09					
[redacted]	12/13/06	135.11	10.99		<LOD	11.75		<LOD	60.08		<LOD	13.55					
[redacted]	12/13/06	130.02	10.71	137.85	<LOD	12.09	<LOD	<LOD	58.89	<LOD	17.58	4.71	19.42				
[redacted]	12/13/06	72.79	7.93		<LOD	11.12		<LOD	55.88		<LOD	12.41					
[redacted]	12/13/06	77.73	8.02		<LOD	10.84		<LOD	54.44		18.03	4.44					
[redacted]	12/13/06	85.73	8.41	78.75	<LOD	11.21	<LOD	<LOD	54.95	<LOD	15.27	4.36	16.65				
[redacted]	12/13/06	370.82	16.28		<LOD	14.75		<LOD	56.11		41.93	5.50					
[redacted]	12/13/06	388.94	16.54		<LOD	14.81		<LOD	54.86		50.51	5.78					
[redacted]	12/13/06	358.38	15.71	372.71	<LOD	15.04	<LOD	<LOD	54.15	<LOD	57.15	5.94	49.86				
[redacted]	12/13/06	196.33	12.46		<LOD	12.99		<LOD	57.55		25.42	5.00					
[redacted]	12/13/06	203.10	12.62		<LOD	12.44		<LOD	57.21		20.84	4.76					
[redacted]	12/13/06	217.16	13.06	205.53	12.93	4.22	12.93	<LOD	57.31	<LOD	17.12	4.65	21.13				
[redacted]	12/13/06	65.25	7.82		<LOD	11.52		<LOD	57.05		15.12	4.45					
[redacted]	12/13/06	72.34	8.19		<LOD	11.45		<LOD	57.85		<LOD	13.12					
[redacted]	12/13/06	66.79	7.98	68.13	<LOD	12.27	<LOD	<LOD	57.50	<LOD	20.94	4.76	18.03				
[redacted]	12/13/06	121.84	9.52		<LOD	12.27		<LOD	53.81		27.90	4.83					
[redacted]	12/13/06	117.36	9.35		<LOD	12.18		<LOD	53.92		23.90	4.63					
[redacted]	12/13/06	111.61	9.25	116.93	<LOD	12.71	<LOD	<LOD	55.12	<LOD	30.53	4.97	27.44				
[redacted]	12/13/06	601.12	21.20		<LOD	21.89		<LOD	55.62		148.30	8.84					
[redacted]	12/13/06	543.20	19.98		<LOD	21.12		<LOD	55.00		123.44	8.12					
[redacted]	12/13/06	571.87	20.57	572.06	<LOD	22.47	<LOD	<LOD	55.31	<LOD	155.21	8.99	142.32				
[redacted]	12/13/06	421.48	17.78		<LOD	24.13		<LOD	57.01		176.65	9.74					
[redacted]	12/13/06	418.72	17.77		<LOD	24.01		<LOD	56.96		185.65	9.96					
[redacted]	12/13/06	457.64	18.57	432.61	<LOD	23.96	<LOD	<LOD	56.78	<LOD	165.31	9.44	175.87				
[redacted]	12/13/06	152.95	10.41		<LOD	10.73		<LOD	54.26		15.35	4.26					
[redacted]	12/13/06	157.68	10.58		<LOD	10.90		<LOD	53.65		19.19	4.44					
[redacted]	12/13/06	153.40	10.48	154.67	<LOD	11.47	<LOD	<LOD	54.36	<LOD	23.23	4.60	19.25				
[redacted]	12/13/06	75.53	8.01		<LOD	11.02		<LOD	55.48		17.74	4.40					
[redacted]	12/13/06	81.13	8.30		<LOD	10.85		<LOD	55.47		17.84	4.48					
[redacted]	12/13/06	73.29	7.95	76.65	<LOD	10.88	<LOD	<LOD	55.46	<LOD	13.26	4.20	16.28				
[redacted]	03/26/07	211.86	11.04		<LOD	10.57		<LOD	48.25		28.70	4.32		28	3.5	1.6	160 B
[redacted]	03/26/07	223.71	11.42		<LOD	10.25		<LOD	48.88		17.16	3.86					
[redacted]	03/26/07	197.31	11.51	210.96	<LOD	12.45	<LOD	<LOD	53.38	<LOD	32.06	4.85	25.98				
[redacted]	03/26/07	165.01	11.17		<LOD	12.59		<LOD	55.75		28.14	4.92		23	6.5	0.67	190 B
[redacted]	03/26/07	2,064.38	48.85		<LOD	26.50		<LOD	59.59		227.37	11.59					
[redacted]	03/26/07	338.67	16.30		<LOD	15.04		<LOD	58.60		37.82	5.53					
[redacted]	03/26/07	241.46	14.01	881.51	<LOD	14.32	<LOD	<LOD	60.13	<LOD	34.08	5.47	99.76				
[redacted]	03/26/07	216.45	13.76		<LOD	14.47		<LOD	61.87		31.39	5.50					
[redacted]	03/26/07	361.83	15.60		<LOD	14.12		<LOD	54.47		44.07	5.35					
[redacted]	03/26/07	3,376.26	72.38	1,318.18	<LOD	12.78	<LOD	<LOD	61.91	<LOD	24.98	5.28	33.48				
[redacted]	03/26/07	90.28	8.68		<LOD	10.81		<LOD	55.79		<LOD	12.26		110	9.5	7.4	390 B
[redacted]	03/26/07	315.40	15.66		<LOD	18.71		<LOD	58.02		85.57	7.31					
[redacted]	03/26/07	207.93	15.70	204.54	<LOD	14.45	<LOD	<LOD	70.96	<LOD	23.18	5.96	54.37				
[redacted]	03/26/07	45.52	9.27		<LOD	13.58		<LOD	76.06		<LOD	16.29					
[redacted]	03/26/07	180.08	12.22		<LOD	12.87		<LOD	58.86		22.06	4.97					
[redacted]	03/26/07	66.38	12.39	97.33	<LOD	16.42	<LOD	<LOD	89.38	<LOD	<LOD	20.74	22.06				
[redacted]	03/26/07	164.22	11.71		<LOD	15.83		<LOD	60.10		52.45	6.25		94	6.6	5	290 B
[redacted]	03/26/07	170.36	11.83		<LOD	12.78		<LOD	58.75		32.65	5.32					
[redacted]	03/26/07	177.33	11.59	170.64	<LOD	14.63	<LOD	<LOD	55.94	<LOD	42.58	5.55	42.56				
[redacted]	03/26/07	153.07	10.99		<LOD	12.58		<LOD	56.95		26.32	4.97					
[redacted]	03/26/07	331.12	17.97		<LOD	15.61		<LOD	65.65		30.65	5.93					
[redacted]	03/26/07	164.85	12.55	216.34	<LOD	14.28	<LOD	<LOD	62.67	<LOD	26.20	5.52	27.72				
[redacted]	03/26/07	96.50	8.87		<LOD	11.58		<LOD	56.25		18.43	4.52		21	7.1	0.4	170 B
[redacted]	03/26/07	123.85	11.16		<LOD	13.14		<LOD	63.16		17.21	5.15					
[redacted]	03/26/07	132.37	10.02	117.57	<LOD	11.14	<LOD	<LOD	55.09	<LOD	16.96	4.40	17.53				
[redacted]	03/26/07	107.58	9.39		<LOD	13.44		<LOD	56.12		30.74	5.10	62.05				
[redacted]	03/26/07	145.14	13.01		<LOD	21.65		<LOD	69.25		93.35	8.93					
[redacted]	03/26/07	56.71	8.50	103.14	<LOD	11.84	<LOD	<LOD	63.80	<LOD	<LOD	13.47					
[redacted]	07/12/06	744.00	23	818.33	<LOD	20	<LOD	<LOD	54	<LOD	122.00	8	127.33				
[redacted]	07/12/06	899.00	27		<LOD	22		<LOD	57		141.00	9					
[redacted]	07/12/06	812.00	25		<LOD	21		<LOD	54		119.00	8					
[redacted]	07/12/06	856.00	26	878.00	<LOD	22	<LOD	<LOD	57	<LOD	137.00	9	139.67	130	7.9	8.6	840
[redacted]	07/12/06	919.00	28		<LOD	23		<LOD	57		139.00	9					
[redacted]	07/12/06	859.00	26		<LOD	22		<LOD	57		143.00	9					
[redacted]	07/12/06	666.00	22	618.00	<LOD	19	<LOD	<LOD	55	<LOD	93.00	7	87.00				
[redacted]	07/12/06	653.00	23		<LOD	19		<LOD	58		95.00	8					
[redacted]	07/12/06	535.00	21		<LOD	18		<LOD	59		73.00	7					
[redacted]	07/12/06	373.00	16	295.67	<LOD	13	17.00	<LOD	55	<LOD	41.00	5	34.00				
[redacted]	07/12/06	251.00	13		<LOD	13		<LOD	54		37.00	5					
[redacted]	07/12/06	263.00	14		17.00	4		<LOD	55		24.00	5					
[redacted]	07/12/06	223.00	13	316.33	<LOD	14	15.00	<LOD	60	<LOD	36.00	6	37.33				
[redacted]	07/12/06	361.00	16		<LOD	14		<LOD	57		39.00	5					
[redacted]	07/12/06	365.00	16		15.00	5		<LOD	56		37.00	5					
[redacted]	07/12/06	627.00	23	607.33	<LOD	19	<LOD	<LOD	59	<LOD	74.00	7	96.00				
[redacted]	07/12/06	569.00	22		<LOD	20		<LOD	60		102.00	8					
[redacted]	07/12/06	626.00	21		<LOD	19		<LOD	53		112.00	7					
[redacted]	07/12/06	716.00	24	704.67	<LOD	21	<LOD	<LOD	57	<LOD	106.00	8	108.33				
[redacted]	07/12/06	722.00	24		<LOD	21		<LOD	58		120.00	8					
[redacted]	07/12/06	674.00	22		<LOD	19		<LOD	57		99.00	7					
[redacted]	07/12/06	902.00	27	879.67	<LOD	21	<LOD	<LOD	56	<LOD	137.00	8	125.00	100	8.1	17	780
[redacted]	07/12/06	872.00	30		<LOD	24		<LOD	62		137.00	9					
[redacted]	07/12/06	765.00	25		<LOD	20		<LOD	59		101.00	8					
[redacted]	07/12/06	593.00	22	591.67	<LOD	18	<LOD	<LOD	61	<LOD	68.00	7	66.33				
[redacted]	07/12/06	633.00	30		<LOD	23		<LOD	79		77.00	9					
[redacted]	07/12/06	549.00	22		<LOD	16		<LOD	61		54.00	6					
[redacted]	07/12/06	592.00	21	480.00	<LOD	15	<LOD	<LOD	57	<LOD	46.00	6	43.33				

EX 6

91 REDACTIONS

Appendix N
Residential, Vacant, and Commercial Property XRF Results and Corresponding Laboratory Results
Old American Zinc Plant Site, Fairmont City, Illinois

														Laboratory Verification Sample Results (mg/kg)			
Sample ID	Sample Date	Zn	(+/-)	Zn Avg	As	(+/-)	As Avg	Cd	(+/-)	Cd Avg	Pb	(+/-)	Pb Avg	Pb	As	Cd	Zn
[redacted]	07/12/06	477.00	19		<LOD	15		<LOD	58		41.00	6					
[redacted]	07/12/06	371.00	19		<LOD	16		<LOD	66		43.00	6					
[redacted]	07/12/06	769.00	26	666.33	<LOD	20	<LOD	<LOD	55	<LOD	112.00	8	103.67				
[redacted]	07/12/06	538.00	17		<LOD	17		<LOD	53		86.00	7					
[redacted]	07/12/06	894.00	22		<LOD	19		<LOD	54		113.00	8					
[redacted]	07/12/06	553.00	20	562.00	<LOD	18	<LOD	<LOD	56	<LOD	97.00	7	90.00				
[redacted]	07/12/06	549.00	20		<LOD	19		<LOD	56		93.00	7					
[redacted]	07/12/06	584.00	21		<LOD	18		<LOD	56		80.00	7					
[redacted]	07/12/06	960.00	29	854.00	<LOD	24	<LOD	<LOD	59	<LOD	155.00	9	141.67	240	8.8	18	770
[redacted]	07/12/06	898.00	27		<LOD	23		<LOD	57		143.00	9					
[redacted]	07/12/06	704.00	24		<LOD	21		<LOD	58		127.00	8					
[redacted]	07/12/06	501.00	19	484.33	<LOD	17	<LOD	<LOD	55	<LOD	67.00	6	69.67				
[redacted]	07/12/06	466.00	19		<LOD	16		<LOD	57		58.00	6					
[redacted]	07/12/06	488.00	19		<LOD	18		<LOD	56		84.00	7					
[redacted]	07/12/06	478.00	19	432.67	<LOD	17	<LOD	<LOD	57	<LOD	67.00	7	57.67				
[redacted]	07/12/06	374.00	17		<LOD	15		<LOD	57		43.00	6					
[redacted]	07/12/06	448.00	19		<LOD	17		<LOD	58		63.00	7					
[redacted]	07/12/06	804.00	25	810.67	<LOD	21	<LOD	<LOD	57	<LOD	129.00	8	135.33				
[redacted]	07/12/06	731.00	23		<LOD	19		<LOD	54		121.00	8					
[redacted]	07/12/06	897.00	27		<LOD	22		<LOD	56		156.00	9					
[redacted]	07/12/06	808.00	25	768.67	<LOD	21	<LOD	<LOD	55	<LOD	116.00	8	126.33				
[redacted]	07/12/06	753.00	24		<LOD	21		<LOD	55		137.00	9					
[redacted]	07/12/06	745.00	24		<LOD	21		<LOD	58		126.00	8					
[redacted]	07/12/06	561.00	20	614.33	<LOD	16	<LOD	<LOD	56	<LOD	55.00	6	62.00				
[redacted]	07/12/06	572.00	24		<LOD	19		<LOD	63		61.00	7					
[redacted]	07/12/06	710.00	24		<LOD	17		<LOD	57		70.00	7					
[redacted]	07/12/06	249.00	14	323.00	<LOD	12	<LOD	<LOD	57	<LOD	21.00	5	26.67				
[redacted]	07/12/06	434.00	18		<LOD	14		<LOD	56		29.00	5					
[redacted]	07/12/06	288.00	15		<LOD	14		<LOD	58		30.00	5					
[redacted]	07/12/06	171.00	12	200.00	17.00	5	17.00	<LOD	58	<LOD	26.00	5	27.00				
[redacted]	07/12/06	190.00	12		<LOD	13		<LOD	57		28.00	5					
[redacted]	07/12/06	239.00	14		<LOD	14		<LOD	60		27.00	5					
[redacted]	07/12/06	452.00	17	471.67	<LOD	17	<LOD	<LOD	52	<LOD	81.00	7	86.33				
[redacted]	07/12/06	493.00	19		<LOD	18		<LOD	56		91.00	7					
[redacted]	07/12/06	470.00	18		<LOD	17		<LOD	54		87.00	7					
[redacted]	07/12/06	539.00	20	536.67	<LOD	19	<LOD	<LOD	55	<LOD	94.00	7	100.00				
[redacted]	07/12/06	576.00	21		<LOD	20		<LOD	56		108.00	8					
[redacted]	07/12/06	495.00	19		<LOD	18		<LOD	57		98.00	8					
[redacted]	07/12/06	323.00	15	371.00	<LOD	15	19.00	<LOD	55	<LOD	50.00	6	57.67				
[redacted]	07/12/06	360.00	17		<LOD	17		<LOD	59		65.00	7					
[redacted]	07/12/06	430.00	19		19.00	6		<LOD	59		58.00	6					
[redacted]	07/12/06	409.00	17	399.67	<LOD	16	<LOD	<LOD	56	<LOD	60.00	6	61.33				
[redacted]	07/12/06	408.00	19		<LOD	18		<LOD	56		77.00	7					
[redacted]	07/12/06	382.00	17		<LOD	15		<LOD	57		47.00	6					
[redacted]	07/12/06	267.00	14	301.67	<LOD	8	<LOD	<LOD	56	<LOD	144.00	9	84.00				
[redacted]	07/12/06	291.00	15		<LOD	14		<LOD	58		41.00	6					
[redacted]	07/12/06	347.00	16		<LOD	6		<LOD	57		67.00	6					
[redacted]	07/12/06	279.00	14	385.00	<LOD	14	<LOD	<LOD	55	<LOD	53.00	6	67.33				
[redacted]	07/12/06	331.00	15		<LOD	14		<LOD	54		53.00	6					
[redacted]	07/12/06	545.00	19		<LOD	18		<LOD	54		96.00	7					
[redacted]	07/12/06	409.00	17	385.33	<LOD	18	<LOD	<LOD	57	<LOD	82.00	7	70.67				
[redacted]	07/12/06	351.00	16		<LOD	16		<LOD	55		67.00	6					
[redacted]	07/12/06	396.00	18		<LOD	17		<LOD	59		63.00	7					
[redacted]	07/12/06	423.00	18	383.33	<LOD	18	<LOD	<LOD	58	<LOD	85.00	7	83.00				
[redacted]	07/12/06	316.00	15		<LOD	17		<LOD	55		80.00	7					
[redacted]	07/12/06	411.00	17		<LOD	18		<LOD	56		84.00	7					
[redacted]	07/12/06	366.00	17	354.33	<LOD	14	<LOD	<LOD	58	<LOD	29.00	5	33.00				
[redacted]	07/12/06	317.00	15		<LOD	13		<LOD	55		30.00	5					
[redacted]	07/12/06	380.00	17		<LOD	15		<LOD	56		40.00	5					
[redacted]	07/12/06	295.00	15	294.33	<LOD	13	<LOD	<LOD	56	<LOD	26.00	5	27.67				
[redacted]	07/12/06	332.00	16		<LOD	5		<LOD	56		31.00	5					
[redacted]	07/12/06	256.00	14		<LOD	14		<LOD	60		26.00	5					
[redacted]	07/05/06	1,212.00	37	1,077.67	<LOD	39	<LOD	<LOD	64	<LOD	368.00	16	420.33				
[redacted]	07/05/06	1,286.00	37		<LOD	49		<LOD	62		637.00	21					
[redacted]	07/05/06	735.00	31		<LOD	37		<LOD	72		256.00	15					
[redacted]	07/05/06	970.00	32	1,144.33	<LOD	32	35.00	<LOD	63	<LOD	246.00	13	249.33				
[redacted]	07/05/06	1,275.00	34		<LOD	31		<LOD	56		269.00	12					
[redacted]	07/05/06	1,188.00	36		35.00	11		<LOD	63		233.00	12					
[redacted]	07/05/06	1,603.00	44	1,398.67	50.00	15	50.00	<LOD	65	<LOD	516.00	19	651.33	81	11	3	440
[redacted]	07/05/06	1,404.00	37		<LOD	48		<LOD	58		731.00	21					
[redacted]	07/05/06	1,189.00	36		<LOD	51		<LOD	63		707.00	23					
[redacted]	07/05/06	992.00	27	1,180.67	<LOD	33	45.00	<LOD	57	<LOD	345.00	13	385.67				
[redacted]	07/05/06	1,124.00	31		<LOD	34		<LOD	57		337.00	14					
[redacted]	07/05/06	1,516.00	38		45.00	13		<LOD	57		475.00	16					
[redacted]	07/05/06	542.00	27	560.67	<LOD	23	<LOD	<LOD	76	<LOD	82.00	9	65.00				
[redacted]	07/05/06	558.00	30		<LOD	23		<LOD	82		47.00	9					
[redacted]	07/05/06	582.00	29		<LOD	23		<LOD	78		66.00	9					
[redacted]	07/05/06	1,042.00	30	1,098.67	<LOD	37	<LOD	<LOD	57	<LOD	408.00	15	418.67				
[redacted]	07/05/06	1,107.00	32		<LOD	37		<LOD	58		392.00	15					
[redacted]	07/05/06	1,147.00	33		<LOD	39		<LOD	59		456.00	16					
[redacted]	07/05/06	1,211.00	38	1,208.00	<LOD	14	<LOD	<LOD	65	<LOD	369.00	17	377.00				
[redacted]	07/05/06	1,154.00	37		<LOD	45		<LOD	67		458.00	19					
[redacted]	07/05/06	1,259.00	33		<LOD	11		<LOD	56		306.00	13					
[redacted]	07/05/06	910.00	27	930.33	<LOD	20	<LOD	<LOD	57	<LOD	104.00	8	263.67				
[redacted]	07/05/06	669.00	47		<LOD	42		<LOD	119		132.00	17					
[redacted]	07/05/06	1,212.00	43		<LOD	55		<LOD	74		555.00	23					
[redacted]	07/05/06	568.00	21	591.67	<LOD	39	39.00	<LOD	55	<LOD	508.00	17	454.33				
[redacted]	07/05/06	689.00	26		<LOD	45		<LOD	63		517.00	19					
[redacted]	07/05/06	538.00	22		39.00	12		<LOD	61		338.00	14					
[redacted]	07/05/06	351.00	18	252.00	<LOD	15	<LOD	<LOD	61	<LOD	38.00	6	38.50				
[redacted]	07/05/06	176.00	22		<LOD	25		<LOD	108		<LOD	28					

EX 6

9 REDACTIONS

Appendix N
Residential, Vacant, and Commercial Property XRF Results and Corresponding Laboratory Results
Old American Zinc Plant Site, Fairmont City, Illinois

														Laboratory Verification Sample Results (mg/kg)			
Sample ID	Sample Date	Zn	(+/-)	Zn Avg	As	(+/-)	As Avg	Cd	(+/-)	Cd Avg	Pb	(+/-)	Pb Avg	Pb	As	Cd	Zn
	07/05/06	229.00	21		<LOD	21		<LOD	91		39.00	9					
	07/05/06	545.00	20	622.33	<LOD	20	<LOD	<LOD	55	<LOD	111.00	8	126.33				
	07/05/06	598.00	22		<LOD	21		<LOD	58		127.00	9					
	07/05/06	724.00	25		<LOD	23		<LOD	58		141.00	9					
	07/05/06	132.00	10	479.67	<LOD	14	<LOD	<LOD	55	<LOD	44.00	5	137.67				
	07/05/06	1,086.00	31		<LOD	31		<LOD	57		297.00	13					
	07/05/06	221.00	13		<LOD	17		<LOD	58		72.00	7					
	07/05/06	84.00	9	99.00	<LOD	12	<LOD	<LOD	60	<LOD	<LOD	13	52.50				
	07/05/06	143.00	10		<LOD	17		<LOD	55		77.00	7					
	07/05/06	70.00	8		<LOD	13		<LOD	59		28.00	5					
	07/05/06	299.00	16	474.67	<LOD	19	<LOD	<LOD	62	<LOD	61.00	7	149.67				
	07/05/06	484.00	29		<LOD	32		<LOD	87		121.00	13					
	07/05/06	641.00	33		<LOD	30		<LOD	59		267.00	12					
	07/05/06	722.00	24	767.67	<LOD	38	66.00	<LOD	56	<LOD	512.00	17	539.33				
	07/05/06	595.00	22		<LOD	35		<LOD	57		367.00	14					
	07/05/06	986.00	33		66.00	19		<LOD	87		739.00	24					
	07/05/06	2,103.00	53	1,564.00	55.00	16	55.00	<LOD	64	<LOD	582.00	20	451.00				
	07/05/06	1,364.00	38		<LOD	38		<LOD	60		383.00	15					
	07/05/06	1,225.00	35		<LOD	37		<LOD	61		388.00	15					
	07/05/06	901.00	29	1,082.67	<LOD	34	<LOD	<LOD	60	<LOD	312.00	13	341.67				
	07/05/06	1,174.00	34		<LOD	34		<LOD	61		325.00	14					
	07/05/06	1,173.00	33		<LOD	36		<LOD	58		388.00	15					
	07/05/06	1,547.00	40	1,563.33	<LOD	46	<LOD	<LOD	59	<LOD	650.00	20	681.00	3,500	69	8.7	4600
	07/05/06	1,551.00	41		<LOD	50		<LOD	60		720.00	22					
	07/05/06	1,592.00	40		<LOD	46		<LOD	57		673.00	20					
	07/05/06	4,002.00	89	4,523.67	245.00	40	247.67	<LOD	66	<LOD	3,302.00	71	4,330.33				
	07/05/06	4,263.00	97		243.00	52		<LOD	69		5,482.00	111					
	07/05/06	5,306.00	116		255.00	46		<LOD	68		4,207.00	90					
	07/05/06	5,884.00	112	7,139.00	199.00	34	188.00	<LOD	63	<LOD	2,845.00	58	2,859.00				
	07/05/06	6,446.00	125		211.00	35		<LOD	62		2,903.00	61					
	07/05/06	9,087.00	162		154.00	30		<LOD	60		2,229.00	48					
	07/14/06	595.00	20	618.33	<LOD	20	<LOD	<LOD	54	<LOD	118.00	8	116.67				
	07/14/06	631.00	21		<LOD	20		<LOD	55		119.00	8					
	07/14/06	629.00	21		<LOD	19		<LOD	54		113.00	8					
	07/14/06	529.00	21	520.00	<LOD	20	26.00	<LOD	59	<LOD	95.00	8	102.33				
	07/14/06	605.00	24		<LOD	25		<LOD	63		148.00	10					
	07/14/06	426.00	18		26.00	6					64.00	6					
	07/14/06	374.00	16	356.33	<LOD	14	13.00	<LOD	55	<LOD	35.00	5	30.33				
	07/14/06	324.00	15		13.00	4		<LOD	56		25.00	5					
	07/14/06	371.00	16		<LOD	13		<LOD	56		31.00	5					
	07/14/06	259.00	14	2,411.33	<LOD	4	416.50	<LOD	56	<LOD	16.00	5	1,691.67	18	7.6	1.9	270
	07/14/06	6715.00	136		17.00	52		<LOD	64		5037.00	100					
	07/14/06	260.00	14		816.00	13		<LOD	57		22.00	5					
	07/14/06	112.00	9	100.33	<LOD	11	<LOD	<LOD	56	<LOD	16.00	4	17.67				
	07/14/06	98.00	9		<LOD	11		<LOD	57		18.00	5					
	07/14/06	91.00	9		<LOD	12		<LOD	58		19.00	5					
	07/14/06	401.00	16	391.67	<LOD	14	<LOD	<LOD	52	<LOD	47.00	5	52.33				
	07/14/06	395.00	16		<LOD	15		<LOD	53		58.00	6					
	07/14/06	379.00	16		<LOD	14		<LOD	54		52.00	6					
	07/14/06	493.00	19	535.33	<LOD	21	<LOD	<LOD	58	<LOD	123.00	8	148.67				
	07/14/06	600.00	21		<LOD	23		<LOD	56		169.00	9					
	07/14/06	513.00	20		<LOD	23		<LOD	56		154.00	9					
	07/14/06	478.00	19	453.00	<LOD	20	25.00	<LOD	56	<LOD	119.00	8	76.33				
	07/14/06	384.00	17		28.00	5		<LOD	57		35.00	5					
	07/14/06	497.00	20		22.00	6		<LOD	59		75.00	7					
	07/14/06	549.00	19	435.67	<LOD	18	<LOD	<LOD	56	<LOD	63.00	6	62.67				
	07/14/06	345.00	15		<LOD	15		<LOD	55		52.00	6					
	07/14/06	413.00	17		<LOD	13		<LOD	57		73.00	7					
	07/14/06	390.00	16	347.33	<LOD	14	<LOD	<LOD	53	<LOD	38.00	5	41.67				
	07/14/06	304.00	16		<LOD	17		<LOD	62		47.00	6					
	07/14/06	348.00	16		<LOD	15		<LOD	57		40.00	5					
	07/14/06	338.00	14	409.67	<LOD	15	<LOD	<LOD	50	<LOD	80.00	6	85.00				
	07/14/06	465.00	17		<LOD	17		<LOD	51		104.00	7					
	07/14/06	426.00	17		<LOD	18		<LOD	53		91.00	7					
	07/14/06	1160.00	35	1,588.67	<LOD	31	47.00	<LOD	59	<LOD	268.00	12	320.00	430	20	17	1,200
	07/14/06	979.00	31		47.00	11		<LOD	62		245.00	12					
	07/14/06	2621.00	56		<LOD	39		<LOD	57		447.00	16					
	07/14/06	427.00	18	436.00	<LOD	15	<LOD	<LOD	57	<LOD	46.00	6	43.67				
	07/14/06	425.00	18		<LOD	5		<LOD	57		28.00	5					
	07/14/06	456.00	20		<LOD	18		<LOD	60		57.00	7					
	07/14/06	355.00	16	349.33	<LOD	15	15.00	<LOD	56	<LOD	40.00	6	36.67				
	07/14/06	357.00	16		15.00	4		<LOD	56		23.00	5					
	07/14/06	336.00	16		<LOD	15		<LOD	58		47.00	6					
	07/14/06	215.00	13	222.33	<LOD	16	15.00	<LOD	58	<LOD	50.00	6	78.67				
	07/14/06	156.00	11		15.00	5		<LOD	58		27.00	5					
	07/14/06	296.00	15		<LOD	23		<LOD	57		153.00	9					
	07/14/06	1033.00	29	1,149.00	<LOD	30	<LOD	<LOD	55	<LOD	311.00	13	497.00				
	07/14/06	1416.00	36		<LOD	47		<LOD	55		811.00	22					
	07/14/06	998.00	28		<LOD	32		<LOD	53		369.00	13					
	07/14/06	465.00	19	488.33	<LOD	20	22.00	<LOD	58	<LOD	102.00	8	105.67				
	07/14/06	473.00	19		<LOD	19		<LOD	55		105.00	8					
	07/14/06	527.00	20		22.00	7		<LOD	56		110.00	8					
	07/14/06	409.00	17	383.67	<LOD	13	<LOD	<LOD	56	<LOD	27.00	5	28.00				
	07/14/06	385.00	17		<LOD	13		<LOD	56		30.00	5					
	07/14/06	357.00	16		<LOD	13		<LOD	58		27.00	5					
	07/14/06	350.00	16	362.00	<LOD	16	20.00	<LOD	56	<LOD	66.00	6	53.00				
	07/14/06	356.00	16		<LOD	15		<LOD	55		46.00	6					
	07/14/06	380.00	17		20.00	5		<LOD	57		47.00	6					
	07/14/06	379.00	17	365.67	<LOD	16	14.50	<LOD	59	<LOD	48.00	6	31.00				
	07/14/06	354.00	16		14.00	4		<LOD	56		17.00	5					
	07/14/06	384.00	16		15.00	5		<LOD	57		28.00	5					

EX 6
91 REDACTIONS

Appendix N
Residential, Vacant, and Commercial Property XRF Results and Corresponding Laboratory Results
Old American Zinc Plant Site, Fairmont City, Illinois

															Laboratory Verification Sample Results (mg/kg)			
Sample ID	Sample Date	Zn	(+/-)	Zn Avg	As	(+/-)	As Avg	Cd	(+/-)	Cd Avg	Pb	(+/-)	Pb Avg		Pb	As	Cd	Zn
47th-BK-0.1	9/21/06	9,283.83	156	9,767.60	<LOD	50	<LOD	96.29	19	117.06	754.16	22	848.90					
47th-BK-0.1	9/21/06	10,898.11	175		<LOD	55		133.66	19		1,004.08	25						
47th-BK-0.1	9/21/06	9,120.86	149		<LOD	49		121.23	19		788.46	22						
47th-BK-0.5	9/21/06	2,223.00	49	2,077.38	<LOD	16	<LOD	<LOD	58	94.84	75.26	7	60.63					
47th-BK-0.5	9/21/06	2,181.44	49		<LOD	17		94.84	19		70.16	7						
47th-BK-0.5	9/21/06	1,827.70	52		<LOD	17		<LOD	69		36.47	7						
47th-BK-1.0	9/21/06	1,908.96	46	1,800.00	<LOD	13	<LOD	<LOD	60	<LOD	20.68	5	23.65					
47th-BK-1.0	09/21/06	1,743.08	43		<LOD	13		<LOD	59		25.81	5						
47th-BK-1.0	09/21/06	1,747.98	43		<LOD	13		<LOD	59		24.47	5						
47th-BK-1.5	09/21/06	1,521.71	39	1,562.95	<LOD	14	<LOD	<LOD	61	<LOD	30.28	5	29.67					
47th-BK-1.5	09/21/06	1,546.24	40		<LOD	13		<LOD	60		24.80	5						
47th-BK-1.5	09/21/06	1,618.90	40		<LOD	14		<LOD	57		33.92	5						
47th-BK-2.0	09/21/06	1,052.57	32	1,045.09	<LOD	14	13.47	<LOD	60	<LOD	25.85	5	27.46					
47th-BK-2.0	09/21/06	962.96	29		<LOD	13		<LOD	57		29.07	5						
47th-BK-2.0	09/21/06	1,119.75	32		13.47	4		<LOD	60		<LOD	13						
47th-FR-0.1	09/21/06	9,670.42	160	9,184.25	54.72	17	54.72	85.01	19	88.15	790.42	22	789.14		1,600	51	180	16,000
47th-FR-0.1	09/21/06	8,689.46	149		<LOD	51		72.03	20		773.90	22						
47th-FR-0.1	09/21/06	9,192.87	150		<LOD	48		107.43	19		803.09	22						
47th-FR-0.5	09/21/06	2,136.94	48	2,263.72	<LOD	18	<LOD	<LOD	58	<LOD	80.78	7	98.93					
47th-FR-0.5	09/21/06	2,319.73	54		<LOD	22		<LOD	61		106.28	8						
47th-FR-0.5	09/21/06	2,334.49	50		<LOD	20		<LOD	57		109.72	8						
47th-FR-1.0	09/21/06	1,572.72	47	1,779.21	<LOD	19	<LOD	<LOD	69	<LOD	49.23	7	59.90					
47th-FR-1.0	09/21/06	1,755.85	45		<LOD	17		<LOD	61		55.14	7						
47th-FR-1.0	09/21/06	2,009.05	48		<LOD	18		<LOD	59		75.33	7						
47th-FR-1.5	09/21/06	1,672.57	40	1,586.25	<LOD	15	<LOD	<LOD	56	<LOD	42.62	6	36.14		22	6.8	6.8	1,500
47th-FR-1.5	09/21/06	1,577.06	40		<LOD	14		<LOD	59		31.53	5						
47th-FR-1.5	09/21/06	1,509.13	39		<LOD	14		<LOD	61		34.28	6						
47th-FR-2.0	09/21/06	1,306.50	37	1,342.15	<LOD	14	<LOD	<LOD	61	<LOD	32.15	6	36.88					
47th-FR-2.0	09/21/06	1,477.39	42		<LOD	19		<LOD	64		54.66	7						
47th-FR-2.0	09/21/06	1,242.54	34		<LOD	13		<LOD	58		23.85	5						
[redacted]	07/10/06	426.78	18	484.99	<LOD	17	<LOD	<LOD	58	<LOD	75.19	7	88.82					
[redacted]	07/10/06	541.34	20		<LOD	20		<LOD	56		104.99	8						
[redacted]	07/10/06	486.85	20		<LOD	19		<LOD	57		86.28	7						
[redacted]	07/10/06	290.41	15	393.90	<LOD	17	<LOD	<LOD	57	<LOD	70.20	7	82.77					
[redacted]	07/10/06	478.22	19		<LOD	18		<LOD	57		78.46	7						
[redacted]	07/10/06	413.06	18		<LOD	19		<LOD	58		99.64	8						
[redacted]	07/10/06	2,277.73	51	2,230.21	<LOD	33	<LOD	<LOD	58	<LOD	307.39	13	279.39					
[redacted]	07/10/06	2,356.78	53		<LOD	31		<LOD	58		277.87	13						
[redacted]	07/10/06	2,056.11	48		<LOD	30		<LOD	60		252.90	12						
[redacted]	07/10/06	1,163.17	33	931.04	<LOD	27	<LOD	<LOD	60	<LOD	194.49	11	181.60					
[redacted]	07/10/06	861.83	27		<LOD	24		<LOD	59		146.71	9						
[redacted]	07/10/06	768.13	25		<LOD	26		<LOD	59		203.60	11						
[redacted]	07/10/06	987.69	29	1,015.03	<LOD	21	<LOD	<LOD	56	<LOD	116.79	8	244.31					
[redacted]	07/10/06	1,092.81	31		<LOD	23		<LOD	59		152.71	9						
[redacted]	07/10/06	964.60	30		<LOD	39		<LOD	59		463.42	17						
[redacted]	07/10/06	419.32	21	692.43	<LOD	22	<LOD	<LOD	66	<LOD	103.31	9	115.88					
[redacted]	07/10/06	1,103.53	36		<LOD	27		<LOD	64		144.99	10						
[redacted]	07/10/06	554.44	22		<LOD	20		<LOD	58		99.33	8						
[redacted]	07/10/06	188.86	13	181.83	<LOD	15	<LOD	<LOD	62	<LOD	32.56	6	34.62					
[redacted]	07/10/06	170.09	12		<LOD	14		<LOD	58		32.54	5						
[redacted]	07/10/06	186.54	12		<LOD	15		<LOD	58		38.77	6						
[redacted]	07/10/06	2,604.72	58	2,657.20	<LOD	39	46.28	<LOD	61	<LOD	417.91	16	459.74		520	12	41	1,800
[redacted]	07/10/06	2,689.22	58		<LOD	41		<LOD	59		519.77	18						
[redacted]	07/10/06	2,677.66	58		46.28	13		<LOD	59		441.52	16						
[redacted]	07/10/06	948.15	28	952.32	24.97	8	23.61	<LOD	57	65.10	156.08	9	139.24					
[redacted]	07/10/06	1,099.36	31		<LOD	25		<LOD	57		171.19	10						
[redacted]	07/10/06	809.45	26		22.25	7		65.10	19		90.46	7						
[redacted]	07/10/06	588.60	21	600.29	<LOD	17	<LOD	<LOD	58	<LOD	56.55	6	55.43					
[redacted]	07/10/06	558.90	21		<LOD	16		<LOD	57		49.57	6						
[redacted]	07/10/06	653.37	23		<LOD	17		<LOD	56		60.16	6						
[redacted]	07/10/06	1,110.74	32	1,004.36	<LOD	30	<LOD	<LOD	59	<LOD	255.35	12	201.70					
[redacted]	07/10/06	1,006.76	31		<LOD	29		<LOD	61		202.40	11						
[redacted]	07/10/06	895.56	28		<LOD	24		<LOD	58		147.34	9						
[redacted]	07/10/06	1,375.27	38	1,818.65	<LOD	27	<LOD	<LOD	61	<LOD	189.27	11	285.39		190	12	20	760
[redacted]	07/10/06	3,207.91	77		<LOD	46		<LOD	67		498.23	20						
[redacted]	07/10/06	872.76	29		<LOD	27		<LOD	62		167.67	10						
[redacted]	07/10/06	876.47	27	825.52	<LOD	25	<LOD	<LOD	58	<LOD	169.63	10	178.42					
[redacted]	07/10/06	838.73	27		<LOD	26		<LOD	58		202.10	11						
[redacted]	07/10/06	761.38	25		<LOD	24		<LOD	59		163.52	10						
[redacted]	07/10/06	484.63	20	598.10	<LOD	17	23.19	<LOD	60	<LOD	53.35	6	93.99					
[redacted]	07/10/06	672.33	23		23.19	7		<LOD	57		106.24	8						
[redacted]	07/10/06	637.34	25		<LOD	24		<LOD	64		122.38	9						
[redacted]	07/10/06	328.09	19	360.51	<LOD	17	18.95	<LOD	68	<LOD	41.80	7	42.18					
[redacted]	07/10/06	451.41	19		18.95	6		<LOD	59		56.45	6						
[redacted]	07/10/06	302.03	18		<LOD	16		<LOD	69		28.28	6						
[redacted]	07/10/06	407.28	19	676.71	<LOD	17	<LOD	<LOD	63	<LOD	62.76	7	81.59					
[redacted]	07/10/06	714.79	25		<LOD	20		<LOD	61		94.10	8						
[redacted]	07/10/06	908.06	30		<LOD	21		<LOD	62		87.92	8						
[redacted]	07/10/06	571.30	24	705.59	<LOD	19	<LOD	<LOD	65	<LOD	62.37	7	80.47					
[redacted]	07/10/06	760.93	28		<LOD	22		<LOD	66		95.70	9						
[redacted]	07/10/06	784.55	25		<LOD	18		<LOD	54		83.36	7						
[redacted]	07/10/06	1,462.36	42	1,774.08	<LOD	33	<LOD	<LOD	66	<LOD	238.95	13	340.73		93	7.3	9.3	490
[redacted]	07/10/06	1,712.72	44		<LOD	30		<LOD	60		227.14	12						
[redacted]	07/10/06	2,147.17	52		<LOD	44		<LOD	61		556.09	19						
[redacted]	07/10/06	933.85	29	1,005.70	<LOD	25	<LOD	62.33	20	62.33	155.50	10	151.82					
[redacted]	07/10/06	1,031.97	31		<LOD	25		<LOD	60		152.91	10						
[redacted]	07/10/06	1,051.27	32		<LOD	24		<LOD	60		147.05	10						
[redacted]	07/10/06	950.07	29	855.06	<LOD	21	<LOD	<LOD	59	<LOD	99.55	8	74.26					
[redacted]	07/10/06	771.31	26		<LOD	18		<LOD	58		67.70	7						
[redacted]	07/10/06	843.81	27		<LOD	17		<LOD	59		55.55	6						
[redacted]	07/10/06	559.60	22	461.31	<LOD	20	<LOD	<LOD	61	<LOD	98.44	8	79.87					

EX 6

61 REDACTIONS

Appendix N
Residential, Vacant, and Commercial Property XRF Results and Corresponding Laboratory Results
Old American Zinc Plant Site, Fairmont City, Illinois

														Laboratory Verification Sample Results (mg/kg)			
Sample ID	Sample Date	Zn	(+/-)	Zn Avg	As	(+/-)	As Avg	Cd	(+/-)	Cd Avg	Pb	(+/-)	Pb Avg	Pb	As	Cd	Zn
[redacted]	07/10/06	303.48	16		<LOD	19		<LOD	60		81.98	7					
[redacted]	07/10/06	520.84	22		<LOD	18		<LOD	62		59.18	7					
[redacted]	07/10/06	830.50	27	1,124.06	<LOD	23	<LOD	<LOD	60	<LOD	126.89	9	153.02				
[redacted]	07/10/06	1,369.14	38		<LOD	27		<LOD	61		181.63	11					
[redacted]	07/10/06	1,172.53	34		<LOD	24		<LOD	60		150.75	10					
[redacted]	07/10/06	1,330.37	37	1,115.97	<LOD	27	<LOD	<LOD	59	<LOD	176.64	10	158.28				
[redacted]	07/10/06	1,268.58	36		<LOD	29		<LOD	59		215.59	11					
[redacted]	07/10/06	748.99	25		<LOD	19		<LOD	57		82.62	7					
[redacted]	07/10/06	1,071.62	31	856.98	<LOD	19	24.10	<LOD	57	<LOD	81.85	7	61.12				
[redacted]	07/10/06	688.93	24		<LOD	17		<LOD	60		60.12	7					
[redacted]	07/10/06	810.38	27		24.10	6		<LOD	59		41.39	6					
[redacted]	07/10/06	738.27	26	671.72	<LOD	19	23.27	<LOD	62	<LOD	68.57	7	51.33				
[redacted]	07/10/06	771.82	26		23.27	6		<LOD	61		44.53	6					
[redacted]	07/10/06	505.07	22		<LOD	16		<LOD	63		40.89	6					
[redacted]	07/05/06	746.18	17	801.84	<LOD	15	<LOD	<LOD	39	<LOD	134.99	6	151.64				
[redacted]	07/05/06	890.21	19		<LOD	17		<LOD	40		177.02	7					
[redacted]	07/05/06	769.12	17		<LOD	15		<LOD	39		142.92	6					
[redacted]	06/30/06	796.87	18	798.93	<LOD	18	<LOD	<LOD	41	<LOD	179.62	7	159.47				
[redacted]	06/30/06	812.77	18		<LOD	17		<LOD	41		149.32	7					
[redacted]	06/30/06	787.14	18		<LOD	16		<LOD	41		149.48	6					
[redacted]	06/30/06	480.57	14	463.66	<LOD	14	20.19	<LOD	41	<LOD	92.91	5	97.17				
[redacted]	06/30/06	593.38	15		20.19	5		<LOD	41		119.38	6					
[redacted]	06/30/06	317.03	14		<LOD	16		<LOD	52		79.23	6					
[redacted]	06/30/06	476.56	13	463.34	<LOD	15	14.47	<LOD	40	<LOD	116.64	6	96.40				
[redacted]	06/30/06	515.04	14		<LOD	16		<LOD	41		133.80	6					
[redacted]	06/30/06	398.42	13		14.47	4		<LOD	42		38.75	4					
[redacted]	06/30/06	384.54	13	378.90	<LOD	12	15.81	<LOD	44	<LOD	57.94	5	51.23				
[redacted]	06/30/06	365.47	12		<LOD	12		<LOD	43		55.04	5					
[redacted]	06/30/06	386.70	12		15.81	4		<LOD	41		40.72	4					
[redacted]	06/30/06	249.39	10	311.51	13.38	4	12.02	<LOD	42	<LOD	44.68	4	52.66				
[redacted]	06/30/06	319.41	11		10.66	3		<LOD	41		38.94	4					
[redacted]	06/30/06	365.74	13		<LOD	13		<LOD	43		74.35	5					
[redacted]	07/05/06	473.29	15	602.35	<LOD	15	<LOD	<LOD	44	<LOD	100.05	6	108.61				
[redacted]	07/05/06	682.02	17		<LOD	14		<LOD	41		104.66	6					
[redacted]	07/05/06	651.75	16		<LOD	15		<LOD	41		121.11	6					
[redacted]	07/05/06	458.23	13	529.08	<LOD	14	<LOD	<LOD	42	<LOD	93.21	5	113.07	100	9.8	14	470
[redacted]	07/05/06	597.00	16		<LOD	16		<LOD	42		141.00	6					
[redacted]	07/05/06	532.00	14		<LOD	14		<LOD	40		105.00	6					
[redacted]	07/05/06	286.00	10	358.00	<LOD	8	<LOD	<LOD	40	<LOD	19.00	3	31.67				
[redacted]	07/05/06	334.00	12		<LOD	10		<LOD	42		34.00	4					
[redacted]	07/05/06	454.00	13		<LOD	11		<LOD	40		42.00	4					
[redacted]	07/05/06	368.00	12	278.67	<LOD	11	<LOD	<LOD	42	<LOD	22.00	4	24.00				
[redacted]	07/05/06	206.00	9		<LOD	9		<LOD	42		20.00	3					
[redacted]	07/05/06	262.00	10		<LOD	9		<LOD	40		30.00	4					
[redacted]	07/05/06	164.00	11		<LOD	12		<LOD	54		23.00	5					
[redacted]	07/05/06	641.25	17	533.02	14.89	5	13.66	<LOD	42	<LOD	90.47	5	79.52				
[redacted]	07/05/06	417.61	13		<LOD	13		<LOD	43		74.17	5					
[redacted]	07/05/06	540.20	14		12.43	4		<LOD	40		73.93	5					
[redacted]	07/05/06	520.35	14	582.98	<LOD	12	19.08	<LOD	40	<LOD	73.85	5	65.11				
[redacted]	07/05/06	535.44	14		20.47	4		<LOD	40		51.03	4					
[redacted]	07/05/06	633.13	16		17.70	4		<LOD	42		70.65	5					
[redacted]	07/05/06	493.97	13	478.54	20.11	3	17.64	<LOD	39	<LOD	33.04	4	39.39				
[redacted]	07/05/06	463.16	13		<LOD	10		<LOD	40		35.93	4					
[redacted]	07/05/06	478.51	14		15.18	4		<LOD	43		49.20	4					
[redacted]	07/05/06	450.31	13	367.48	15.39	4	13.91	<LOD	42	<LOD	59.26	5	42.99				
[redacted]	07/05/06	317.24	11		<LOD	10		<LOD	41		33.00	4					
[redacted]	07/05/06	334.89	12		12.42	4		<LOD	44		36.70	4					
[redacted]	06/30/06	559.96	15	564.84	<LOD	14	<LOD	<LOD	41	<LOD	108.23	6	104.14				
[redacted]	06/30/06	555.98	15		<LOD	14		<LOD	41		101.16	6					
[redacted]	06/30/06	578.57	15		<LOD	14		<LOD	40		103.02	5					
[redacted]	06/30/06	843.50	19	723.35	23.56	7	19.70	<LOD	41	<LOD	262.87	8	147.94	150	11	21	630
[redacted]	06/30/06	722.86	17		17.58	5		<LOD	40		90.58	5					
[redacted]	06/30/06	603.70	16		17.95	5		<LOD	41		90.39	5					
[redacted]	06/30/06	719.53	17	675.97	16.42	5	15.59	<LOD	40	<LOD	89.65	5	98.15				
[redacted]	06/30/06	635.30	15		<LOD	14		<LOD	39		108.10	5					
[redacted]	06/30/06	673.09	16		14.75	5		<LOD	40		96.69	5					
[redacted]	06/30/06	491.67	14	459.04	12.33	4	12.58	<LOD	41	<LOD	43.95	4	38.29				
[redacted]	06/30/06	446.66	13		14.79	4		<LOD	41		37.29	4					
[redacted]	06/30/06	438.79	13		10.62	3		<LOD	42		33.62	4					
[redacted]	06/30/06	255.02	11	358.06	11.49	4	12.65	<LOD	45	<LOD	34.28	4	49.78				
[redacted]	06/30/06	411.44	12		14.41	4		<LOD	40		60.51	4					
[redacted]	06/30/06	407.74	12		12.06	4		<LOD	40		54.56	4					
[redacted]	07/05/06	445.00	18	431.67	<LOD	17	<LOD	<LOD	56	<LOD	79.00	7	80.33				
[redacted]	07/05/06	443.00	19		<LOD	19		<LOD	59		82.00	7					
[redacted]	07/05/06	407.00	17		<LOD	17		<LOD	55		80.00	7					
[redacted]	07/05/06	464.00	19	418.00	<LOD	18	20.00	<LOD	57	<LOD	83.00	7	81.00				
[redacted]	07/05/06	441.00	17		20.00	6		<LOD	52		79.00	6					
[redacted]	07/05/06	349.00	16		<LOD	18		<LOD	58		81.00	7					
[redacted]	07/05/06	342.00	18	388.00	<LOD	16	<LOD	<LOD	63	<LOD	38.00	6	38.00				
[redacted]	07/05/06	450.00	20		<LOD	16		<LOD	58		40.00	6					
[redacted]	07/05/06	372.00	17		<LOD	14		<LOD	57		36.00	5					
[redacted]	07/05/06	280.00	15	301.33	<LOD	12	<LOD	<LOD	58	<LOD	23.00	5	28.00				
[redacted]	07/05/06	324.00	15		<LOD	13		<LOD	56		33.00	5					
[redacted]	07/05/06	300.00	19		<LOD	16		<LOD	72		<LOD	17					
[redacted]	07/05/06	363.00	18	255.33	<LOD	18	<LOD	<LOD	63	<LOD	53.00	7	46.50				
[redacted]	07/05/06	140.00	11		<LOD	11		<LOD	59		<LOD	13					
[redacted]	07/05/06	263.00	16		<LOD	16		<LOD	65		40.00	7					
[redacted]	06/30/06	528.57	15	538.03	<LOD	15	<LOD	<LOD	41	45.90	128.48	6	116.29				
[redacted]	06/30/06	576.33	15		<LOD	14		45.90	13		106.79	6					
[redacted]	06/30/06	509.19	14		<LOD	15		<LOD	42		113.59	6					
[redacted]	06/30/06	742.50	17	775.52	<LOD	15	<LOD	<LOD	41	<LOD	121.68	6	133.89				

EX 6
91 REDACTIONS

Appendix N
Residential, Vacant, and Commercial Property XRF Results and Corresponding Laboratory Results
Old American Zinc Plant Site, Fairmont City, Illinois

															Laboratory Verification Sample Results (mg/kg)			
Sample ID	Sample Date	Zn	(+/-)	Zn Avg	As	(+/-)	As Avg	Cd	(+/-)	Cd Avg	Pb	(+/-)	Pb Avg		Pb	As	Cd	Zn
[redacted]	06/30/06	819.42	18		<LOD	16		<LOD	41		143.35	6						
[redacted]	06/30/06	764.64	17		<LOD	16		<LOD	40		136.64	6						
[redacted]	06/30/06	489.84	14	489.84	<LOD	13	<LOD	<LOD	41	<LOD	94.45	5	176.24					
[redacted]	06/30/06	<LOD	134		<LOD	68		<LOD	115		258.03	33						
[redacted]	06/30/06	519.15	14	388.88	16.13	5	13.05	<LOD	40	<LOD	108.22	5	137.02		38	7.9	6	400
[redacted]	06/30/06	<LOD	140		<LOD	77		<LOD	123		377.43	39						
[redacted]	06/30/06	326.64	11		9.96	3		<LOD	39		30.66	4						
[redacted]	06/30/06	320.84	12		<LOD	11		<LOD	45		31.79	4						
[redacted]	06/30/06	232.77	10	243.57	12.01	3	12.01	<LOD	41	<LOD	24.71	4	24.97					
[redacted]	06/30/06	240.64	10		<LOD	10		<LOD	43		24.21	4						
[redacted]	06/30/06	257.30	11		<LOD	10		<LOD	46		25.99	4						
[redacted]	06/30/06	796.44	18	632.88	<LOD	14	<LOD	<LOD	40	<LOD	100.96	5	92.97					
[redacted]	06/30/06	603.41	15		<LOD	13		<LOD	38		93.92	5						
[redacted]	06/30/06	498.78	15		<LOD	14		<LOD	43		84.03	5						
[redacted]	06/30/06	674.19	16	663.41	<LOD	14	16.99	<LOD	41	<LOD	100.32	5	105.10					
[redacted]	06/30/06	703.90	17		<LOD	15		<LOD	42		116.08	6						
[redacted]	06/30/06	612.13	16		16.99	5		<LOD	42		98.91	6						
[redacted]	06/30/06	452.98	13	494.22	<LOD	11	<LOD	<LOD	40	<LOD	57.46	4	64.86					
[redacted]	06/30/06	480.65	13		<LOD	12		<LOD	40		64.43	5						
[redacted]	06/30/06	549.04	15		<LOD	13		<LOD	41		72.68	5						
[redacted]	06/30/06	363.43	12	381.57	15.90	4	13.08	<LOD	43	<LOD	32.47	4	30.96					
[redacted]	06/30/06	365.82	20		<LOD	16		<LOD	70		28.49	6						
[redacted]	06/30/06	415.47	13		10.27	3		<LOD	41		31.91	4						
[redacted]	06/30/06	259.16	12	298.17	<LOD	11	<LOD	<LOD	50	<LOD	18.21	4	25.99					
[redacted]	06/30/06	311.17	13		<LOD	11		<LOD	47		29.10	4						
[redacted]	06/30/06	324.18	11		<LOD	10		<LOD	42		30.67	4						
[redacted]	06/30/06	574.51	15	675.72	<LOD	13	<LOD	<LOD	41	<LOD	81.39	5	101.17					
[redacted]	06/30/06	655.27	16		<LOD	14		<LOD	41		105.70	6						
[redacted]	06/30/06	797.38	19		<LOD	16		<LOD	42		116.41	6						
[redacted]	06/30/06	532.06	15	729.31	<LOD	13	<LOD	<LOD	41	<LOD	84.32	5	111.26					
[redacted]	06/30/06	805.62	17		<LOD	14		<LOD	38		116.96	6						
[redacted]	06/30/06	850.25	18		<LOD	15		<LOD	38		132.49	6						
[redacted]	06/30/06	499.99	14	448.93	<LOD	14	<LOD	<LOD	42	<LOD	95.07	5	96.94					
[redacted]	06/30/06	535.42	14		<LOD	15		<LOD	40		132.54	6						
[redacted]	06/30/06	311.37	14		<LOD	16		<LOD	53		63.19	6						
[redacted]	06/30/06	408.93	12	337.15	<LOD	10	<LOD	<LOD	38	<LOD	54.60	4	32.41					
[redacted]	06/30/06	268.71	11		<LOD	10		<LOD	46		25.33	4						
[redacted]	06/30/06	333.80	11		<LOD	9		<LOD	41		17.32	3						
[redacted]	06/30/06	190.36	8	272.70	9.80	3	11.30	<LOD	40	<LOD	17.59	3	31.26					
[redacted]	06/30/06	377.90	13		12.81	4		<LOD	45		38.13	4						
[redacted]	06/30/06	249.85	13		<LOD	13		<LOD	54		38.07	5						
[redacted]	06/29/06	769.77	18	752.07	<LOD	15	<LOD	<LOD	41	<LOD	115.71	6	104.30					
[redacted]	06/29/06	698.70	19		<LOD	16		<LOD	45		97.39	6						
[redacted]	06/29/06	787.74	19		<LOD	15		<LOD	42		99.80	6						
[redacted]	06/29/06	607.03	16	620.32	13.33	4	14.26	<LOD	41	<LOD	73.78	5	75.65					
[redacted]	06/29/06	509.33	14		15.18	4		<LOD	40		56.50	4						
[redacted]	06/29/06	744.59	17		<LOD	14		<LOD	40		96.66	5						
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[redacted]	06/29/06	671.34	17		<LOD	14		<LOD	41		92.45	5						
[redacted]	06/29/06	738.92	17		15.08	5		<LOD	38		102.45	5						
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[redacted]	06/29/06	382.83	12		10.12	3		<LOD	40		23.70	3						
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[redacted]	06/29/06	373.16	12		14.01	4		<LOD	40		49.55	4						
[redacted]	06/29/06	326.68	12		<LOD	10		<LOD	43		31.80	4						
[redacted]	07/06/06	<LOD	178	781.50	<LOD	94	<LOD	<LOD	157	<LOD	270.00	46	137.67					
[redacted]	07/06/06	1,010.00	29		<LOD	19		<LOD	57		108.00	8						
[redacted]	07/06/06	553.00	25		<LOD	18		<LOD	72		35.00	7						
[redacted]	07/06/06	586.00	22	714.33	<LOD	29	<LOD	<LOD	59	<LOD	270.00	13	167.67		100	9.1	14	810
[redacted]	07/06/06	756.00	24		<LOD	20		<LOD	56		118.00	8						
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[redacted]	07/06/06	589.00	22		22.00	6		<LOD	58		50.00	6						
[redacted]	07/06/06	368.00	21		<LOD	17		<LOD	70		37.00	7						
[redacted]	07/06/06	407.00	17	365.33	<LOD	12	<LOD	<LOD	54	<LOD	26.00	5	37.33					
[redacted]	07/06/06	379.00	19		<LOD	15		<LOD	64		69.00	4						
[redacted]	07/06/06	310.00	18		<LOD	14		<LOD	67		17.00	5						
[redacted]	07/06/06	208.00	21	164.67	<LOD	22	<LOD	<LOD	94	<LOD	26.00	8	26.00					
[redacted]	07/06/06	132.00	13		<LOD	13		<LOD	71		<LOD	16						
[redacted]	07/06/06	154.00	13		<LOD	12		<LOD	66		<LOD	15						
[redacted]	07/06/06	732.00	25	658.33	<LOD	20	<LOD	<LOD	57	<LOD	109.00	8	92.00					
[redacted]	07/06/06	677.00	26		<LOD	19		<LOD	64		57.00	7						
[redacted]	07/06/06	566.00	20		<LOD	19		<LOD	55		110.00	8						
[redacted]	07/06/06	638.00	22	628.33	<LOD	18	<LOD	<LOD	56	<LOD	92.00	7	83.33		110	9.6	16	780
[redacted]	07/06/06	651.00	22		<LOD	18		<LOD	55		80.00	7						
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[redacted]	07/06/06	434.00	22	425.00	<LOD	19	<LOD	<LOD	69	<LOD	58.00	7	41.33					
[redacted]	07/06/06	477.00	20		<LOD	16		<LOD	59		42.00	6						
[redacted]	07/06/06	364.00	17		<LOD	14		<LOD	58		24.00	5						
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[redacted]	07/06/06	204.00	14		<LOD	12		<LOD	62		<LOD	14						
[redacted]	07/06/06	176.00	14		<LOD	14		<LOD	69		<LOD	16						
[redacted]	07/06/06	81.00	9	117.33	<LOD	12	<LOD	<LOD	58	<LOD	14.00	5	19.33					
[redacted]	07/06/06	202.00	12		<LOD	13		<LOD	56		29.00	5						
[redacted]	07/06/06	69.00	8		<LOD	12		<LOD	59		15.00	5						
[redacted]	07/06/06	529.00	20	517.00	<LOD	18	<LOD	<LOD	56	<LOD	81.00	7	77.67					
[redacted]	07/06/06	524.00	20		<LOD	18		<LOD	59		67.00	7						
[redacted]	07/06/06	498.00	19		<LOD	18		<LOD	56		85.00	7						
[redacted]	07/06/06	538.09	20	560.88	<LOD	18	<LOD	<LOD	56	<LOD	76.25	7	85.23					
[redacted]	07/06/06	584.26	22		<LOD	19		<LOD	58		95.49	8						

EX 6
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Appendix N
Residential, Vacant, and Commercial Property XRF Results and Corresponding Laboratory Results
Old American Zinc Plant Site, Fairmont City, Illinois

															Laboratory Verification Sample Results (mg/kg)			
Sample ID	Sample Date	Zn	(+/-)	Zn Avg	As	(+/-)	As Avg	Cd	(+/-)	Cd Avg	Pb	(+/-)	Pb Avg	Pb	As	Cd	Zn
[redacted]	07/06/06	559.69	21		<LOD	18		<LOD	56		83.96	7					
[redacted]	07/06/06	390.06	17	425.06	17.44	5	17.44	<LOD	59	<LOD	44.31	6	40.79				
[redacted]	07/06/06	414.42	19		<LOD	15		<LOD	63		33.98	6					
[redacted]	07/06/06	470.69	21		<LOD	16		<LOD	63		44.08	6					
[redacted]	07/06/06	171.62	15	238.99	21.04	5	21.04	<LOD	72	<LOD	<LOD	16	40.78				
[redacted]	07/06/06	138.01	17		<LOD	19		<LOD	93		<LOD	22					
[redacted]	07/06/06	407.32	17		<LOD	14		<LOD	55		40.78	5					
[redacted]	07/06/06	190.12	15	184.95	<LOD	18	17.52	<LOD	71	<LOD	42.09	7	31.83				
[redacted]	07/06/06	198.81	14		<LOD	14		<LOD	66		21.57	5					
[redacted]	07/06/06	165.93	12		17.52	4		<LOD	61		<LOD	14					
[redacted]	07/06/06	597.44	21	574.94	<LOD	17	<LOD	<LOD	55	<LOD	72.30	7	67.99				
[redacted]	07/06/06	625.40	23		<LOD	18		<LOD	58		71.89	7					
[redacted]	07/06/06	501.97	20		<LOD	17		<LOD	57		58.79	6					
[redacted]	07/06/06	817.33	22	652.66	18.10	6	20.18	<LOD	58	<LOD	51.34	6	61.49				
[redacted]	07/06/06	536.43	21		<LOD	16		<LOD	61		45.95	6					
[redacted]	07/06/06	804.21	26		22.25	7		<LOD	57		87.19	7					
[redacted]	07/06/06	499.38	19	528.35	<LOD	16	<LOD	<LOD	57	<LOD	58.86	6	59.61				
[redacted]	07/06/06	580.23	21		<LOD	17		<LOD	55		75.60	7					
[redacted]	07/06/06	505.45	20		<LOD	15		<LOD	57		44.36	6					
[redacted]	07/06/06	484.13	20	388.24	17.51	5	18.74	<LOD	58	<LOD	43.71	6	31.99				
[redacted]	07/06/06	297.13	16		<LOD	14		<LOD	62		23.09	5					
[redacted]	07/06/06	383.45	18		15.98	5		<LOD	60		29.18	5					
[redacted]	07/06/06	88.68	10	87.43	12.74	4	12.74	<LOD	64	<LOD	<LOD	13	18.52				
[redacted]	07/06/06	83.63	11		<LOD	13		<LOD	71		18.52	6					
[redacted]	07/06/06	89.97	9		<LOD	11		<LOD	60		<LOD	13					
[redacted]	07/06/06	651.45	23	631.61	<LOD	19	<LOD	<LOD	60	<LOD	79.70	7	83.73				
[redacted]	07/06/06	671.20	23		<LOD	18		<LOD	58		79.67	7					
[redacted]	07/06/06	572.16	21		<LOD	19		<LOD	57		91.81	7					
[redacted]	07/06/06	702.37	23	633.24	<LOD	24	<LOD	<LOD	57	<LOD	150.66	9	132.14	150	14	19	620
[redacted]	07/06/06	588.97	22		<LOD	23		<LOD	58		136.73	9					
[redacted]	07/06/06	608.37	23		<LOD	21		<LOD	60		109.03	8					
[redacted]	07/06/06	554.01	25	472.67	28.88	7	22.40	<LOD	68	<LOD	60.62	8	44.76				
[redacted]	07/06/06	398.41	18		20.55	5		<LOD	59		39.71	6					
[redacted]	07/06/06	485.61	21		17.79	5		<LOD	64		33.95	6					
[redacted]	07/06/06	172.01	15	175.56	<LOD	15	<LOD	<LOD	75	<LOD	<LOD	18	<LOD				
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[redacted]	07/06/06	255.87	18	199.12	<LOD	18	16.93	<LOD	73	<LOD	41.43	7	41.43				
[redacted]	07/06/06	134.72	12		<LOD	13		<LOD	66		<LOD	15					
[redacted]	07/06/06	206.78	14		16.93	5		<LOD	65		<LOD	15					
[redacted]	07/06/06	540.00	21	602.00	<LOD	20	23.00	<LOD	58	<LOD	103.00	8	92.67				
[redacted]	07/06/06	598.00	22		<LOD	20		<LOD	57		96.00	8					
[redacted]	07/06/06	668.00	24		23.00	7		<LOD	58		79.00	7					
[redacted]	07/06/06	426.00	18	405.00	<LOD	17	<LOD	<LOD	56	<LOD	68.00	6	81.67				
[redacted]	07/06/06	317.00	16		<LOD	18		<LOD	59		60.00	7					
[redacted]	07/06/06	472.00	19		<LOD	20		<LOD	57		117.00	8					
[redacted]	07/06/06	375.00	16	398.67	<LOD	15	25.00	<LOD	56	<LOD	48.00	6	49.67				
[redacted]	07/06/06	390.00	17		25.00	5		<LOD	57		40.00	5					
[redacted]	07/06/06	431.00	18		<LOD	17		<LOD	58		61.00	6					
[redacted]	07/06/06	502.00	20	517.33	<LOD	17	18.00	<LOD	58	<LOD	70.00	7	59.00				
[redacted]	07/06/06	559.00	21		18.00	6		<LOD	57		58.00	6					
[redacted]	07/06/06	491.00	20		<LOD	16		<LOD	58		49.00	6					
[redacted]	07/06/06	345.00	16	281.33	17.00	4	17.00	<LOD	57	<LOD	19.00	5	25.67				
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[redacted]	07/06/06	451.00	18		18.00	6		<LOD	57		64.00	6					
[redacted]	07/06/06	442.00	19		23.00	6		<LOD	60		58.00	6					
[redacted]	07/06/06	540.00	20	501.67	16.00	5	17.33	<LOD	59	59.00	42.00	6	52.33				
[redacted]	07/06/06	526.00	20		18.00	6		<LOD	57		68.00	7					
[redacted]	07/06/06	439.00	18		18.00	5		59.00	18		47.00	6					
[redacted]	07/06/06	300.00	16	331.33	<LOD	13	<LOD	<LOD	59	<LOD	26.00	5	29.33				
[redacted]	07/06/06	321.00	16		<LOD	14		<LOD	62		29.00	5					
[redacted]	07/06/06	373.00	18		<LOD	14		<LOD	60		33.00	6					
[redacted]	07/06/06	265.00	15	201.67	<LOD	14	15.00	<LOD	59	<LOD	26.00	5	22.33				
[redacted]	07/06/06	182.00	13		14.00	5		<LOD	62		20.00	5					
[redacted]	07/06/06	158.00	12		16.00	5		<LOD	61		21.00	5					
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[redacted]	06/29/06	587.42	15		<LOD	15		<LOD	40		130.98	6					
[redacted]	06/29/06	514.73	14		<LOD	14		<LOD	40		105.12	5					
[redacted]	06/29/06	549.08	15	550.14	<LOD	16	15.78	<LOD	41	<LOD	141.65	6	124.15	140	9.8	11	490
[redacted]	06/29/06	506.38	14		<LOD	15		<LOD	41		121.80	6					
[redacted]	06/29/06	594.94	15		15.78	5		<LOD	40		109.01	6					
[redacted]	06/29/06	506.33	14	459.98	<LOD	12	11.33	<LOD	41	<LOD	73.31	5	67.26				
[redacted]	06/29/06	447.40	13		11.33	4		<LOD	40		48.37	4					
[redacted]	06/29/06	426.22	14		<LOD	15		<LOD	46		80.09	8					
[redacted]	06/29/06	457.64	14	391.53	16.34	4	15.22	<LOD	41	<LOD	54.62	4	45.92				
[redacted]	06/29/06	339.65	12		<LOD	11		<LOD	43		42.01	4					
[redacted]	06/29/06	377.29	12		14.10	4		<LOD	40		41.14	4					
[redacted]	06/29/06	157.77	9	131.06	<LOD	10	<LOD	<LOD	48	<LOD	24.01	4	21.14				
[redacted]	06/29/06	85.35	6		<LOD	9		<LOD	44		17.16	4					
[redacted]	06/29/06	170.05	9		<LOD	10		<LOD	45		22.24	4					
[redacted]	06/29/06	608.53	15	591.56	<LOD	15	<LOD	<LOD	40	<LOD	129.33	6	117.07				
[redacted]	06/29/06	541.45	14		<LOD	14		<LOD	39		103.38	5					
[redacted]	06/29/06	624.89	16		<LOD	15		<LOD	40		118.50	6					
[redacted]	06/29/06	576.99	15	559.43	<LOD	16	<LOD	<LOD	42	<LOD	125.47	6	133.67				
[redacted]	06/29/06	564.37	15		<LOD	16		<LOD	40		136.28	6					
[redacted]	06/29/06	536.92	15		<LOD	17		<LOD	42		139.26	6					

EX 6

91 REDACTIONS

Appendix N
Residential, Vacant, and Commercial Property XRF Results and Corresponding Laboratory Results
Old American Zinc Plant Site, Fairmont City, Illinois

														Laboratory Verification Sample Results (mg/kg)			
Sample ID	Sample Date	Zn	(+/-)	Zn Avg	As	(+/-)	As Avg	Cd	(+/-)	Cd Avg	Pb	(+/-)	Pb Avg	Pb	As	Cd	Zn
[redacted]	06/29/06	467.53	13	444.93	<LOD	12	<LOD	<LOD	40	<LOD	63.37	5	64.01				
[redacted]	06/29/06	419.63	12		<LOD	12		<LOD	40		63.27	4					
[redacted]	06/29/06	447.62	14		<LOD	13		<LOD	42		65.38	5					
[redacted]	06/29/06	447.52	13	398.84	<LOD	14	14.71	<LOD	40	<LOD	93.41	5	69.83				
[redacted]	06/29/06	451.90	13		14.71	4		<LOD	40		77.94	5					
[redacted]	06/29/06	297.10	13		<LOD	13		<LOD	52		38.14	5					
[redacted]	06/29/06	145.78	10	171.52	<LOD	12	<LOD	<LOD	54	<LOD	18.31	4	25.15				
[redacted]	06/29/06	112.00	8		<LOD	9		<LOD	48		13.28	4					
[redacted]	06/29/06	256.79	11		<LOD	11		<LOD	44		43.85	4					
[redacted]	06/29/06	648.11	24	693.79	<LOD	32	<LOD	<LOD	60	<LOD	295.42	13	333.78				
[redacted]	06/29/06	758.71	26		<LOD	36		<LOD	62		344.77	14					
[redacted]	06/29/06	674.55	23		<LOD	33		<LOD	56		361.17	14					
[redacted]	06/29/06	769.10	18	637.36	<LOD	21	<LOD	<LOD	40	<LOD	279.34	9	280.55				
[redacted]	06/29/06	574.19	16		<LOD	24		<LOD	43		320.31	10					
[redacted]	06/29/06	568.80	15		<LOD	20		<LOD	40		242.01	8					
[redacted]	06/29/06	330.96	16	470.76	<LOD	20	<LOD	<LOD	59	<LOD	86.57	7	186.85				
[redacted]	06/29/06	474.49	19		<LOD	26		<LOD	57		191.11	10					
[redacted]	06/29/06	606.83	22		<LOD	30		<LOD	57		282.88	12					
[redacted]	06/29/06	331.30	11	306.00	<LOD	13	<LOD	<LOD	40	<LOD	84.52	5	61.65				
[redacted]	06/29/06	299.87	11		<LOD	9		<LOD	42		29.14	4					
[redacted]	06/29/06	286.84	12		<LOD	13		<LOD	45		71.30	5					
[redacted]	06/29/06	246.30	10	260.29	11.37	4	14.37	<LOD	40	<LOD	46.68	4	51.04				
[redacted]	06/29/06	199.19	9		<LOD	10		<LOD	42		34.46	4					
[redacted]	06/29/06	335.39	12		17.38	4		<LOD	43		71.98	5					
[redacted]	06/29/06	482.45	20	583.49	<LOD	17	<LOD	<LOD	58	<LOD	70.81	7	91.93				
[redacted]	06/29/06	549.96	21		<LOD	20		<LOD	56		105.89	8					
[redacted]	06/29/06	708.06	23		<LOD	19		<LOD	55		99.10	7					
[redacted]	06/29/06	474.30	18	488.50	<LOD	19	<LOD	<LOD	55	<LOD	96.48	7	82.78				
[redacted]	06/29/06	398.19	18		<LOD	18		<LOD	61		66.95	7					
[redacted]	06/29/06	593.02	39		<LOD	22		<LOD	69		84.92	9					
[redacted]	06/29/06	470.15	19	414.33	<LOD	18	<LOD	<LOD	57	<LOD	78.54	7	74.04	54	11	12	410
[redacted]	06/29/06	421.35	19		<LOD	19		<LOD	61		73.76	7					
[redacted]	06/29/06	351.48	19		<LOD	19		<LOD	66		69.81	8					
[redacted]	06/29/06	321.37	17	341.04	<LOD	16	17.19	<LOD	62	<LOD	41.81	6	32.08				
[redacted]	06/29/06	269.46	14		<LOD	13		<LOD	56		27.06	5					
[redacted]	06/29/06	432.30	18		17.19	5		<LOD	56		27.37	5					
[redacted]	06/29/06	319.11	15	277.98	<LOD	13	<LOD	<LOD	58	<LOD	22.86	5	37.52				
[redacted]	06/29/06	362.64	16		<LOD	14		<LOD	55		52.17	6					
[redacted]	06/29/06	152.20	13		<LOD	13		<LOD	70		<LOD	16					
[redacted]	06/29/06	445.36	12	468.11	<LOD	13	<LOD	<LOD	39	<LOD	88.57	5	96.79				
[redacted]	06/29/06	488.18	13		<LOD	13		<LOD	39		101.07	5					
[redacted]	06/29/06	469.80	13		<LOD	13		<LOD	39		100.72	5					
[redacted]	06/29/06	493.77	13	499.21	13.64	4	13.64	<LOD	40	<LOD	88.96	5	101.76	100	8.8	10	440
[redacted]	06/29/06	463.77	13		<LOD	14		<LOD	40		108.59	5					
[redacted]	06/29/06	540.08	14		<LOD	14		<LOD	39		107.74	5					
[redacted]	06/29/06	308.31	12	337.37	<LOD	12	<LOD	<LOD	45	<LOD	47.60	5	56.34				
[redacted]	06/29/06	375.68	13		<LOD	13		<LOD	46		65.85	5					
[redacted]	06/29/06	328.13	11		<LOD	11		<LOD	40		55.57	4					
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[redacted]	06/29/06	83.52	9		<LOD	11		<LOD	60		<LOD	13					
[redacted]	07/11/06	1,207.00	34	1,156.00	<LOD	27	<LOD	<LOD	59	<LOD	198.00	11	176.33				
[redacted]	07/11/06	1,201.00	31		<LOD	24		<LOD	56		182.00	10					
[redacted]	07/11/06	1,060.00	29		<LOD	23		<LOD	55		149.00	9					
[redacted]	07/11/06	954.00	30	1,287.67	<LOD	19	35.50	<LOD	60	<LOD	62.00	7	181.00	200	13	21	1,200
[redacted]	07/11/06	1,525.00	40		30.00	9		<LOD	59		200.00	11					
[redacted]	07/11/06	1,384.00	38		41.00	11		<LOD	61		281.00	13					
[redacted]	07/11/06	654.00	25	635.33	18.00	6	18.50	<LOD	63	<LOD	40.00	6	43.00				
[redacted]	07/11/06	557.00	21		19.00	6		<LOD	58		46.00	6					
[redacted]	07/11/06	695.00	30		<LOD	16		<LOD	71		<LOD	18					
[redacted]	07/11/06	187.00	11	196.00	<LOD	14	<LOD	<LOD	55	<LOD	46.00	6	43.67				
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[redacted]	07/11/06	321.00	15		<LOD	15		<LOD	56		51.00	6					
[redacted]	07/11/06	625.00	21	593.67	18.00	6	18.00	<LOD	54	<LOD	80.00	7	90.33				
[redacted]	07/11/06	639.00	20		<LOD	17		<LOD	50		81.00	6					
[redacted]	07/11/06	517.00	18		<LOD	19		<LOD	51		110.00	7					
[redacted]	07/11/06	625.00	22	660.33	<LOD	20	<LOD	<LOD	57	<LOD	119.00	8	129.00				
[redacted]	07/11/06	638.00	22		<LOD	22		<LOD	56		133.00	8					
[redacted]	07/11/06	716.00	25		<LOD	21		<LOD	58		135.00	9					
[redacted]	07/11/06	158.00	11	213.67	<LOD	13	<LOD	<LOD	55	<LOD	33.00	5	44.33				
[redacted]	07/11/06	273.00	14		<LOD	16		<LOD	56		53.00	6					
[redacted]	07/11/06	210.00	13		<LOD	16		<LOD	58		47.00	6					
[redacted]	07/11/06	168.00	12	202.33	<LOD	14	<LOD	<LOD	57	<LOD	28.00	5	34.00				
[redacted]	07/11/06	241.00	15		<LOD	17		<LOD	61		50.00	7					
[redacted]	07/11/06	198.00	12		<LOD	12		<LOD	55		24.00	5					
[redacted]	07/11/06	258.00	13	270.00	15.00	5	21.00	<LOD	54	<LOD	52.00	6	61.33				
[redacted]	07/11/06	263.00	14		<LOD	15		<LOD	57		41.00	6					
[redacted]	07/11/06	289.00	16		27.00	7		<LOD	60		81.00	8					
[redacted]	07/11/06	712.00	22	820.33	<LOD	19	<LOD	<LOD	52	<LOD	109.00	7	110.33				
[redacted]	07/11/06	886.00	27		<LOD	21		<LOD	55		132.00	8					
[redacted]	07/11/06	863.00	24		<LOD	17		<LOD	50		90.00	7					
[redacted]	07/11/06	588.00	21	633.67	<LOD	17	<LOD	<LOD	56	<LOD	71.00	7	93.33				
[redacted]	07/11/06	742.00	24		<LOD	20		<LOD	56		111.00	8					
[redacted]	07/11/06	571.00	21		<LOD	19		<LOD	57		98.00	8					
[redacted]	07/11/06	595.00	23	636.33	34.00	7	42.33	<LOD	62	<LOD	79.00	8	89.00				

EX 6
91 REDACTIONS

Appendix N
Residential, Vacant, and Commercial Property XRF Results and Corresponding Laboratory Results
Old American Zinc Plant Site, Fairmont City, Illinois

														Laboratory Verification Sample Results (mg/kg)			
Sample ID	Sample Date	Zn	(+/-)	Zn Avg	As	(+/-)	As Avg	Cd	(+/-)	Cd Avg	Pb	(+/-)	Pb Avg	Pb	As	Cd	Zn
[redacted]	07/11/06	676.00	24		44.00	7		<LOD	64		72.00	7					
[redacted]	07/11/06	638.00	23		49.00	8		<LOD	59		116.00	9					
[redacted]	07/11/06	366.00	16	397.00	<LOD	18	<LOD	<LOD	56	<LOD	79.00	7	78.33				
[redacted]	07/11/06	385.00	17		<LOD	6		<LOD	56		68.00	7					
[redacted]	07/11/06	440.00	18		<LOD	7		<LOD	57		88.00	7					
[redacted]	07/11/06	425.00	18	445.67	<LOD	16	19.00	<LOD	57	<LOD	56.00	6	54.33				
[redacted]	07/11/06	449.00	18		<LOD	17		<LOD	57		57.00	6					
[redacted]	07/11/06	463.00	19		19.00	5		<LOD	57		50.00	6					
[redacted]	07/11/06	980.00	27	946.00	<LOD	20	<LOD	<LOD	53	<LOD	133.00	8	126.00				
[redacted]	07/11/06	1,067.00	30		<LOD	22		<LOD	56		127.00	8					
[redacted]	07/11/06	791.00	25		<LOD	20		<LOD	56		118.00	8					
[redacted]	07/11/06	1,401.00	38	1,436.00	<LOD	27	<LOD	<LOD	60	<LOD	195.00	11	225.33				
[redacted]	07/11/06	1,459.00	37		<LOD	31		<LOD	58		276.00	12					
[redacted]	07/11/06	1,448.00	40		<LOD	29		<LOD	62		205.00	11					
[redacted]	07/11/06	919.00	28	914.33	<LOD	20	23.00	<LOD	57	<LOD	99.00	8	102.00				
[redacted]	07/11/06	929.00	29		23.00	7		<LOD	58		107.00	8					
[redacted]	07/11/06	895.00	29		<LOD	21		<LOD	59		100.00	8					
[redacted]	07/11/06	704.00	24	1,087.33	25.00	6	25.00	<LOD	59	<LOD	58.00	6	97.33				
[redacted]	07/11/06	1,365.00	36		<LOD	21		<LOD	58		100.00	8					
[redacted]	07/11/06	1,193.00	36		<LOD	25		<LOD	64		134.00	10					
[redacted]	07/11/06	1,531.00	41	1,743.00	<LOD	24	20.00	<LOD	61	<LOD	135.00	9	115.33				
[redacted]	07/11/06	1,987.00	49		<LOD	24		<LOD	60		136.00	10					
[redacted]	07/11/06	1,711.00	42		20.00	6		<LOD	58		75.00	7					
[redacted]	07/11/06	658.00	21	514.33	<LOD	19	<LOD	<LOD	53	<LOD	109.00	7	80.00				
[redacted]	07/11/06	500.00	19		<LOD	18		<LOD	54		86.00	7					
[redacted]	07/11/06	385.00	16		<LOD	14		<LOD	52		45.00	5					
[redacted]	07/11/06	634.00	22	647.33	<LOD	25	<LOD	<LOD	58	<LOD	180.00	10	173.33				
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[redacted]	07/11/06	554.00	23		<LOD	24		<LOD	62		115.00	9					
[redacted]	07/11/06	589.00	21	638.00	<LOD	21	<LOD	<LOD	56	<LOD	115.00	8	128.67				
[redacted]	07/11/06	726.00	25		<LOD	23		<LOD	59		139.00	9					
[redacted]	07/11/06	599.00	23		<LOD	23		<LOD	61		132.00	9					
[redacted]	07/11/06	767.00	24	741.67	<LOD	23	<LOD	<LOD	55	<LOD	157.00	9	154.67	140	12	18	690
[redacted]	07/11/06	757.00	24		<LOD	21		<LOD	56		123.00	8					
[redacted]	07/11/06	701.00	23		<LOD	25		<LOD	57		184.00	10					
[redacted]	07/11/06	424.00	18	404.33	<LOD	20	25.00	<LOD	56	<LOD	108.00	8	105.33				
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[redacted]	07/11/06	372.00	18		<LOD	20		<LOD	54		117.00	8					
[redacted]	07/11/06	936.00	27	981.67	<LOD	9	<LOD	<LOD	54	<LOD	245.00	11	266.33				
[redacted]	07/11/06	996.00	27		<LOD	28		<LOD	52		290.00	12					
[redacted]	07/11/06	1,013.00	27		<LOD	27		<LOD	50		264.00	11					
[redacted]	07/11/06	970.00	28	974.00	<LOD	30	33.00	<LOD	56	<LOD	292.00	12	292.67	280	12	24	900
[redacted]	07/11/06	950.00	28		<LOD	31		<LOD	56		299.00	13					
[redacted]	07/11/06	1,002.00	30		33.00	11		<LOD	57		287.00	13					
[redacted]	07/11/06	523.00	20	556.00	<LOD	24	<LOD	<LOD	57	<LOD	164.00	9	160.00				
[redacted]	07/11/06	597.00	21		<LOD	23		<LOD	56		147.00	9					
[redacted]	07/11/06	548.00	20		<LOD	24		<LOD	56		169.00	9					
[redacted]	07/11/06	1,145.00	32	973.33	<LOD	25	<LOD	<LOD	58	<LOD	161.00	10	190.33				
[redacted]	07/11/06	945.00	29		<LOD	30		<LOD	58		267.00	12					
[redacted]	07/11/06	830.00	26		<LOD	23		<LOD	56		143.00	9					
[redacted]	07/11/06	705.00	24	593.67	31.00	9	38.67	<LOD	59	<LOD	212.00	11	206.00				
[redacted]	07/11/06	502.00	20		36.00	9		<LOD	58		179.00	10					
[redacted]	07/11/06	574.00	22		49.00	10		<LOD	58		227.00	11					
[redacted]	07/10/06	453.37	22	545.31	<LOD	22	<LOD	<LOD	68	<LOD	93.94	9	105.64				
[redacted]	07/10/06	632.93	24		<LOD	22		<LOD	61		116.62	9					
[redacted]	07/10/06	549.62	21		<LOD	20		<LOD	57		106.35	8					
[redacted]	07/10/06	706.75	26	657.47	<LOD	25	<LOD	<LOD	63	<LOD	155.10	10	117.09				
[redacted]	07/10/06	624.21	23		<LOD	19		<LOD	58		91.26	8					
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[redacted]	07/10/06	396.07	18		<LOD	17		<LOD	58		73.23	7					
[redacted]	07/10/06	313.30	16	286.07	<LOD	15	18.10	<LOD	59	<LOD	42.01	6	35.57				
[redacted]	07/10/06	273.11	15		<LOD	14		<LOD	60		29.33	5					
[redacted]	07/10/06	271.79	14		18.10	5		<LOD	58		35.37	5					
[redacted]	07/10/06	279.33	14	244.06	13.75	4	13.75	<LOD	55	<LOD	19.64	5	19.97				
[redacted]	07/10/06	207.08	13		<LOD	13		<LOD	58		18.86	5					
[redacted]	07/10/06	245.78	14		<LOD	12		<LOD	57		21.39	5					
[redacted]	07/10/06	488.15	20	484.65	<LOD	19	<LOD	<LOD	60	<LOD	82.47	7	77.71				
[redacted]	07/10/06	493.39	20		<LOD	18		<LOD	60		72.41	7					
[redacted]	07/10/06	472.41	20		<LOD	18		<LOD	57		78.25	7					
[redacted]	07/10/06	517.80	20	514.84	<LOD	19	<LOD	<LOD	57	<LOD	87.03	7	87.20				
[redacted]	07/10/06	488.72	19		<LOD	17		<LOD	56		84.33	7					
[redacted]	07/10/06	538.01	21		<LOD	19		<LOD	58		90.25	8					
[redacted]	07/10/06	431.33	18	624.99	<LOD	20	<LOD	<LOD	56	<LOD	117.35	8	133.18	68	9.8	12	440
[redacted]	07/10/06	980.69	28		<LOD	24		<LOD	53		179.48	9					
[redacted]	07/10/06	462.96	18		<LOD	19		<LOD	56		102.71	8					
[redacted]	07/10/06	319.34	15	341.81	<LOD	14	13.93	<LOD	56	<LOD	39.16	5	38.55				
[redacted]	07/10/06	381.15	17		<LOD	16		<LOD	56		49.26	6					
[redacted]	07/10/06	324.93	15		13.93	4		<LOD	56		27.22	5					
[redacted]	07/10/06	264.87	14	317.91	<LOD	14	<LOD	<LOD	58	<LOD	32.16	5	29.03				
[redacted]	07/10/06	302.78	15		<LOD	13		<LOD	56		35.01	5					
[redacted]	07/10/06	386.06	17		<LOD	11		<LOD	55		19.92	5					
[redacted]	07/10/06	661.92	25	577.31	<LOD	20	<LOD	<LOD	64	<LOD	79.66	8	81.88				
[redacted]	07/10/06	530.41	21		<LOD	19		<LOD	61		79.21	7					
[redacted]	07/10/06	538.58	21		<LOD	18		<LOD	60		88.76	8					
[redacted]	07/10/06	743.35	24	730.49	<LOD	23	<LOD	74.49	19	74.49	155.25	9	152.43	110	8	13	610
[redacted]	07/10/06	763.06	25		<LOD	23		<LOD	58		154.88	9					
[redacted]	07/10/06	685.07	23		<LOD	22		<LOD	57		147.15	9					
[redacted]	07/10/06	507.75	20	478.62	<LOD	20	<LOD	<LOD	58	<LOD	109.59	8	94.83				
[redacted]	07/10/06	418.13	18		<LOD	18		<LOD	57		77.25	7					

EX 6
91 REDACTIONS

Appendix N
Residential, Vacant, and Commercial Property XRF Results and Corresponding Laboratory Results
Old American Zinc Plant Site, Fairmont City, Illinois

														Laboratory Verification Sample Results (mg/kg)			
Sample ID	Sample Date	Zn	(+/-)	Zn Avg	As	(+/-)	As Avg	Cd	(+/-)	Cd Avg	Pb	(+/-)	Pb Avg	Pb	As	Cd	Zn
[redacted]	07/10/06	509.98	19		<LOD	19		<LOD	54		97.63	7					
[redacted]	07/10/06	555.92	21	585.84	<LOD	20	<LOD	<LOD	57	<LOD	101.47	8	109.59				
[redacted]	07/10/06	621.06	22		<LOD	21		<LOD	57		125.90	8					
[redacted]	07/10/06	580.54	21		<LOD	20		<LOD	57		101.39	8					
[redacted]	07/10/06	487.34	20	497.55	<LOD	17	<LOD	<LOD	59	<LOD	57.85	6	54.09				
[redacted]	07/10/06	439.93	19		<LOD	17		<LOD	58		55.31	6					
[redacted]	07/10/06	565.38	22		<LOD	17		<LOD	60		49.11	6					
[redacted]	07/10/06	653.08	22	609.06	<LOD	23	<LOD	<LOD	56	<LOD	156.94	9	176.66				
[redacted]	07/10/06	564.06	22		<LOD	26		<LOD	60		199.21	11					
[redacted]	07/10/06	610.05	22		<LOD	24		<LOD	57		173.81	10					
[redacted]	07/10/06	1,028.96	31	953.15	<LOD	38	<LOD	<LOD	59	<LOD	358.59	15	388.84	300	15	17	740
[redacted]	07/10/06	923.80	28		<LOD	34		<LOD	57		363.67	14					
[redacted]	07/10/06	906.70	29		<LOD	38		<LOD	60		444.24	16					
[redacted]	07/10/06	590.78	22	538.69	<LOD	25	<LOD	<LOD	58	<LOD	189.93	10	198.50				
[redacted]	07/10/06	553.51	20		<LOD	30		<LOD	56		301.66	13					
[redacted]	07/10/06	471.78	19		<LOD	21		<LOD	59		123.92	8					
[redacted]	07/10/06	446.99	19	442.64	23.27	6	23.27	<LOD	59	<LOD	70.22	7	74.25				
[redacted]	07/10/06	473.89	19		<LOD	19		<LOD	57		86.52	7					
[redacted]	07/10/06	407.03	18		<LOD	17		<LOD	59		66.02	7					
[redacted]	07/10/06	367.58	17	387.84	<LOD	16	17.31	<LOD	58	<LOD	52.19	6	52.80				
[redacted]	07/10/06	408.10	18		17.31	6		<LOD	57		53.41	6					
[redacted]	07/10/06	519.61	20	603.48	<LOD	19	<LOD	<LOD	57	66.26	96.38	7	104.21				
[redacted]	07/10/06	739.54	24		<LOD	19		66.26	19		99.34	8					
[redacted]	07/10/06	551.24	21		<LOD	21		<LOD	57		116.91	8					
[redacted]	07/10/06	482.54	22	519.07	<LOD	22	<LOD	<LOD	67	<LOD	93.36	9	98.17				
[redacted]	07/10/06	527.66	21		<LOD	21		<LOD	59		103.37	8					
[redacted]	07/10/06	547.02	21		<LOD	20		<LOD	59		97.77	8					
[redacted]	07/10/06	404.03	17	377.23	21.01	6	21.01	<LOD	57	<LOD	51.80	6	55.19				
[redacted]	07/10/06	365.59	17		<LOD	17		<LOD	58		56.23	6					
[redacted]	07/10/06	362.08	17		<LOD	16		<LOD	59		57.54	6					
[redacted]	07/10/06	361.60	16	348.30	<LOD	15	<LOD	<LOD	56	<LOD	37.92	5	37.39				
[redacted]	07/10/06	313.51	16		<LOD	15		<LOD	58		40.03	6					
[redacted]	07/10/06	369.80	17		<LOD	15		<LOD	60		34.21	6					
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[redacted]	06/27/06	677.51	24		32.92	9		<LOD	58		169.38	10					
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[redacted]	06/27/06	431.03	19	424.48	<LOD	21	20.61	<LOD	60	<LOD	96.47	8	90.02				
[redacted]	06/27/06	482.19	20		20.61	7		<LOD	57		92.07	8					
[redacted]	06/27/06	360.21	18		<LOD	18		<LOD	57		81.51	7					
[redacted]	06/27/06	539.37	20	550.27	<LOD	20	<LOD	<LOD	56	<LOD	95.63	7	99.42				
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[redacted]	06/27/06	580.61	21		<LOD	20		<LOD	56		115.12	8					
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[redacted]	06/27/06	420.60	17		<LOD	28		<LOD	56		265.17	12					
[redacted]	06/27/06	341.50	17		<LOD	16		<LOD	60		56.58	6					
[redacted]	06/27/06	369.22	16	318.58	<LOD	13	<LOD	<LOD	55	<LOD	39.38	5	36.74				
[redacted]	06/27/06	298.95	14		<LOD	13		<LOD	53		36.77	5					
[redacted]	06/27/06	287.58	14		<LOD	14		<LOD	56		34.07	5					
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[redacted]	06/27/06	205.95	14		<LOD	14		<LOD	65		25.26	6					
[redacted]	06/27/06	522.59	20		<LOD	15		<LOD	58		60.76	6					
[redacted]	06/27/06	454.00	44	911.87	<LOD	24	<LOD	NA		<LOD	140.90	17	114.40				
[redacted]	06/27/06	1560.00	81		<LOD	27		NA			101.00	18					
[redacted]	06/27/06	721.60	56		<LOD	25		NA			101.30	16					
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[redacted]	06/27/06	NA			NA			<LOD	32		NA						
[redacted]	06/27/06	NA			NA			<LOD	37		NA						
[redacted]	06/27/06	668.00	38	745.33	<LOD	15	<LOD	NA		<LOD	62.60	10	68.17	200	9.3	6.4	580
[redacted]	06/27/06	767.60	56		<LOD	22		NA			75.00	15					
[redacted]	06/27/06	800.40	57		<LOD	22		NA			66.90	14					
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[redacted]	06/27/06	NA			NA			<LOD	27		NA						
[redacted]	06/27/06	NA			NA			<LOD	29		NA						
[redacted]	06/27/06	640.80	44	659.73	<LOD	16	<LOD	NA		<LOD	51.20	11	66.57				
[redacted]	06/27/06	770.40	55		<LOD	19		NA			40.90	12					
[redacted]	06/27/06	568.00	47		<LOD	21		NA			107.60	15					
[redacted]	06/27/06	NA			NA			<LOD	24		NA						
[redacted]	06/27/06	NA			NA			<LOD	39		NA						
[redacted]	06/27/06	NA			NA			<LOD	30		NA						
[redacted]	06/27/06	932.00	74	700.13	<LOD	24	<LOD	NA		<LOD	<LOD	20	<LOD				
[redacted]	06/27/06	537.60	53		<LOD	21		NA			<LOD	18					
[redacted]	06/27/06	630.80	59		<LOD	21		NA			<LOD	20					
[redacted]	06/27/06	NA			NA			<LOD	27		NA						
[redacted]	06/27/06	NA			NA			<LOD	27		NA						
[redacted]	06/27/06	NA			NA			<LOD	31		NA						
[redacted]	06/27/06	922.40	67	581.53	<LOD	23	<LOD	NA		<LOD	<LOD	19	29.15				

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Appendix N
Residential, Vacant, and Commercial Property XRF Results and Corresponding Laboratory Results
Old American Zinc Plant Site, Fairmont City, Illinois

														Laboratory Verification Sample Results (mg/kg)			
Sample ID	Sample Date	Zn	(+/-)	Zn Avg	As	(+/-)	As Avg	Cd	(+/-)	Cd Avg	Pb	(+/-)	Pb Avg	Pb	As	Cd	Zn
[redacted]	06/27/06	421.20	40		<LOD	16		NA			28.40	10					
[redacted]	06/27/06	401.00	43		<LOD	17		NA			28.90	11					
[redacted]	06/27/06	NA			NA			<LOD	43		NA						
[redacted]	06/27/06	612.23	21	566.89	<LOD	20	<LOD	<LOD	55	<LOD	117.17	8	105.08				
[redacted]	06/27/06	412.10	18		<LOD	17		<LOD	57		67.91	7					
[redacted]	06/27/06	676.35	23		<LOD	21		<LOD	56		130.10	8					
[redacted]	06/27/06	569.22	21	562.24	<LOD	25	23.51	<LOD	57	<LOD	181.17	10	141.27				
[redacted]	06/27/06	517.86	19		<LOD	19		<LOD	55		105.02	8					
[redacted]	06/27/06	599.84	22		23.51	8		<LOD	59		137.83	9					
[redacted]	06/27/06	491.04	19	453.08	<LOD	20	<LOD	<LOD	57	<LOD	106.21	8	71.25				
[redacted]	06/27/06	481.89	18		<LOD	16		<LOD	55		58.82	6					
[redacted]	06/27/06	406.50	18		<LOD	15		<LOD	57		48.93	6					
[redacted]	06/27/06	351.90	16	318.89	15.73	5	15.73	<LOD	58	<LOD	37.62	5	39.47				
[redacted]	06/27/06	379.33	18		<LOD	16		<LOD	60		54.76	6					
[redacted]	06/27/06	225.45	13		<LOD	13		<LOD	56		26.04	5					
[redacted]	06/27/06	261.19	14	234.01	16.35	5	16.35	<LOD	58	<LOD	27.74	5	38.69				
[redacted]	06/27/06	125.21	15		<LOD	17		<LOD	84		<LOD	21					
[redacted]	06/27/06	315.62	21		<LOD	20		<LOD	77		49.65	8					
[redacted]	06/27/06	537.93	20	591.12	<LOD	17	<LOD	<LOD	55	<LOD	84.41	7	96.14				
[redacted]	06/27/06	625.53	22		<LOD	20		<LOD	56		111.06	8					
[redacted]	06/27/06	609.91	21		<LOD	18		<LOD	54		92.93	7					
[redacted]	06/27/06	457.48	18	444.75	<LOD	17	<LOD	<LOD	55	<LOD	71.98	7	73.23				
[redacted]	06/27/06	505.67	20		<LOD	18		<LOD	57		72.06	7					
[redacted]	06/27/06	371.11	17		<LOD	18		<LOD	60		75.66	7					
[redacted]	06/27/06	410.41	17	416.11	<LOD	17	<LOD	<LOD	56	<LOD	73.54	7	80.13				
[redacted]	06/27/06	431.86	18		<LOD	18		<LOD	57		82.34	7					
[redacted]	06/27/06	406.05	17		<LOD	17		<LOD	55		84.51	7					
[redacted]	06/27/06	291.27	15	270.21	<LOD	14	17.72	<LOD	56	<LOD	40.33	6	35.02				
[redacted]	06/27/06	241.38	13		17.72	5		<LOD	57		28.97	5					
[redacted]	06/27/06	277.98	15		<LOD	15		<LOD	58		37.74	6					
[redacted]	06/27/06	207.63	12	209.93	14.76	4	14.76	<LOD	57	<LOD	17.48	5	21.68	17	7.2	5.6	310
[redacted]	06/27/06	214.29	13		<LOD	13		<LOD	56		26.13	5					
[redacted]	06/27/06	207.87	13		<LOD	13		<LOD	59		21.43	5					
[redacted]	06/27/06	582.64	21	678.63	<LOD	18	<LOD	<LOD	56	<LOD	89.68	7	107.91				
[redacted]	06/27/06	701.36	23		<LOD	21		<LOD	57		125.73	8					
[redacted]	06/27/06	751.87	24		<LOD	20		<LOD	58		108.32	8					
[redacted]	06/27/06	607.85	22	731.80	<LOD	23	24.37	<LOD	57	<LOD	136.85	9	150.11				
[redacted]	06/27/06	816.78	26		24.37	8		<LOD	56		151.59	9					
[redacted]	06/27/06	770.76	24		<LOD	23		<LOD	56		161.89	9					
[redacted]	06/27/06	405.45	17	391.80	<LOD	18	19.43	<LOD	55	<LOD	85.55	7	64.78				
[redacted]	06/27/06	409.55	17		19.43	5		<LOD	54		54.49	6					
[redacted]	06/27/06	360.38	16		<LOD	16		<LOD	56		54.31	6					
[redacted]	06/27/06	221.28	13	227.71	<LOD	11	<LOD	<LOD	56	<LOD	<LOD	13	29.92				
[redacted]	06/27/06	221.56	13		<LOD	13		<LOD	58		33.34	5					
[redacted]	06/27/06	240.30	13		<LOD	12		<LOD	55		26.50	5					
[redacted]	06/27/06	153.00	12	184.62	<LOD	13	<LOD	<LOD	62	<LOD	<LOD	14	19.06				
[redacted]	06/27/06	196.79	12		<LOD	12		<LOD	56		19.06	5					
[redacted]	06/27/06	204.08	13		<LOD	11		<LOD	57		<LOD	13					
[redacted]	07/11/06	377.00	17	389.33	<LOD	17	<LOD	<LOD	56	<LOD	65.00	6	73.67				
[redacted]	07/11/06	447.00	18		<LOD	18		<LOD	56		78.00	7					
[redacted]	07/11/06	344.00	15		<LOD	17		<LOD	53		78.00	7					
[redacted]	07/11/06	626.00	22	592.33	<LOD	22	<LOD	<LOD	56	<LOD	140.00	9	132.67				
[redacted]	07/11/06	586.00	21		<LOD	23		<LOD	56		150.00	9					
[redacted]	07/11/06	565.00	21		<LOD	21		<LOD	57		108.00	8					
[redacted]	07/11/06	628.00	24	656.00	<LOD	24	<LOD	<LOD	61	<LOD	144.00	10	146.67				
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[redacted]	07/11/06	831.00	26		<LOD	23		<LOD	56		163.00	9					
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[redacted]	05/27/06	804.00	29		29.00	9		72.00	21		149.00	10					
[redacted]	05/27/06	677.00	23		<LOD	22		57.00	19		145.00	9					
[redacted]	07/11/06	434.63	18	448.65	<LOD	17	<LOD	<LOD	55	<LOD	73.03	7	83.02				
[redacted]	07/11/06	442.41	18		<LOD	18		<LOD	55		80.84	7					
[redacted]	07/11/06	462.91	18		<LOD	19		<LOD	55		95.18	7					
[redacted]	07/11/06	339.89	16	342.30	<LOD	16	<LOD	<LOD	55	<LOD	64.39	6	69.04				
[redacted]	07/11/06	364.21	17		<LOD	19		<LOD	58		80.25	7					
[redacted]	07/11/06	322.81	16		<LOD	18		<LOD	59		82.47	7					
[redacted]	07/11/06	542.67	20	481.62	<LOD	19	<LOD	<LOD	56	<LOD	92.38	7	89.35				
[redacted]	07/11/06	480.49	20		<LOD	19		<LOD	58		91.62	8					
[redacted]	07/11/06	421.59	18		<LOD	18		<LOD	58		84.05	7					
[redacted]	07/11/06	2,913.91	61	3,693.21	<LOD	41	37.46	<LOD	57	<LOD	506.34	17	427.58	220	14	9.9	950
[redacted]	07/11/06	4,450.05	81		<LOD	35		<LOD	55		394.37	14					
[redacted]	07/11/06	3,715.69	72		37.46	12		<LOD	57		382.02	14					
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[redacted]	07/11/06	1,786.36	42		<LOD	24		<LOD	59		156.12	9					
[redacted]	07/11/06	537.00	20	534.00	<LOD	20	<LOD	<LOD	54	<LOD	110.00	8	105.00				
[redacted]	07/11/06	578.00	20		<LOD	19		<LOD	54		113.00	8					
[redacted]	07/11/06	487.00	18		<LOD	18		<LOD	54		92.00	7					
[redacted]	07/11/06	566.00	21	545.33	<LOD	21	<LOD	<LOD	56	<LOD	139.00	9	117.00				
[redacted]	07/11/06	481.00	19		<LOD	19		<LOD	56		105.00	8					
[redacted]	07/11/06	589.00	21		<LOD	20		<LOD	56		107.00	8					
[redacted]	07/11/06	505.00	20	469.00	<LOD	21	<LOD	<LOD	58	<LOD	107.00	8	88.67				
[redacted]	07/11/06	430.00	18		<LOD	18		<LOD	58		68.00	7					
[redacted]	07/11/06	472.00	19		<LOD	19		<LOD	58		91.00	8					
[redacted]	07/11/06	573.00	21	565.67	<LOD	23	<LOD	<LOD	56	<LOD	143.00	9	136.67				
[redacted]	07/11/06	561.00	22		<LOD	23		<LOD	59		131.00	9					
[redacted]	07/11/06	563.00	22		<LOD	22		<LOD	59		136.00	9					
[redacted]	07/11/06	1,731.00	42	1,303.55	<LOD	29	<LOD	<LOD	57	<LOD	251.00	12	255.38	220	14	14	630

EX6
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Appendix N
Residential, Vacant, and Commercial Property XRF Results and Corresponding Laboratory Results
Old American Zinc Plant Site, Fairmont City, Illinois

															Laboratory Verification Sample Results (mg/kg)			
Sample ID	Sample Date	Zn	(+/-)	Zn Avg	As	(+/-)	As Avg	Cd	(+/-)	Cd Avg	Pb	(+/-)	Pb Avg		Pb	As	Cd	Zn
[redacted]	07/11/06	1,000.70	27		<LOD	27		<LOD	52		255.10	11						
[redacted]	07/11/06	1,178.94	32		<LOD	29		<LOD	56		260.05	12						
[redacted]	07/11/06	484.82	19	412.16	<LOD	18	<LOD	<LOD	55	<LOD	85.12	7	77.27					
[redacted]	07/11/06	383.52	16		<LOD	18		<LOD	54		98.95	7						
[redacted]	07/11/06	368.12	16		<LOD	14		<LOD	54		46.75	6						
[redacted]	07/11/06	398.67	17	533.02	<LOD	17	<LOD	<LOD	55	<LOD	85.45	7	96.79					
[redacted]	07/11/06	476.45	19		<LOD	20		<LOD	56		116.32	8						
[redacted]	07/11/06	723.93	24		<LOD	19		<LOD	58		88.61	7						
[redacted]	07/11/06	452.51	18	482.58	<LOD	20	<LOD	<LOD	57	<LOD	103.00	8	113.13					
[redacted]	07/11/06	471.69	19		<LOD	20		<LOD	58		106.46	8						
[redacted]	07/11/06	523.55	20		<LOD	21		<LOD	56		129.94	8						
[redacted]	07/11/06	999.96	31	1,133.46	<LOD	33	<LOD	<LOD	61	<LOD	280.24	13	252.09					
[redacted]	07/11/06	1,289.48	35		<LOD	26		<LOD	58		196.76	11						
[redacted]	07/11/06	1,110.95	31		<LOD	30		<LOD	58		279.27	12						
[redacted]	07/11/06	582.54	22	617.91	<LOD	23	<LOD	<LOD	58	<LOD	134.97	9	121.96					
[redacted]	07/11/06	636.14	22		<LOD	21		<LOD	56		119.08	8						
[redacted]	07/11/06	635.07	22		<LOD	21		<LOD	57		111.82	8						
[redacted]	07/11/06	478.06	18	503.90	<LOD	22	<LOD	<LOD	52	<LOD	158.88	9	134.05					
[redacted]	07/11/06	523.71	19		<LOD	20		<LOD	55		119.74	8						
[redacted]	07/11/06	509.94	19		<LOD	21		<LOD	55		123.54	8						
[redacted]	07/11/06	1,044.22	32	947.50	<LOD	32	<LOD	<LOD	61	<LOD	266.03	13	262.19					
[redacted]	07/11/06	909.10	28		<LOD	32		<LOD	57		292.69	13						
[redacted]	07/11/06	889.20	29		<LOD	30		<LOD	61		227.86	12						
[redacted]	07/11/06	992.59	30	808.56	<LOD	34	<LOD	<LOD	59	<LOD	315.04	14	231.94					
[redacted]	07/11/06	832.01	27		<LOD	27		<LOD	59		196.27	11						
[redacted]	07/11/06	601.07	27		<LOD	31		<LOD	72		184.50	13						
[redacted]	07/11/06	998.00	30	1,093.20	<LOD	36	<LOD	<LOD	60	<LOD	374.01	15	329.96					
[redacted]	07/11/06	1,120.51	32		<LOD	32		<LOD	58		311.27	13						
[redacted]	07/11/06	1,161.08	33		<LOD	33		<LOD	58		304.60	13						
[redacted]	07/11/06	8,658.44	168	8,390.20	<LOD	58	<LOD	81.84	20	73.74	991.07	27	1,217.00		990	17	55	6,800
[redacted]	07/11/06	7,832.08	146		<LOD	73		65.65	21		1,482.67	37						
[redacted]	07/11/06	7,680.07	140		<LOD	64		<LOD	62		1,177.26	30						
[redacted]	07/11/06	331.29	15	237.93	<LOD	16	<LOD	<LOD	54	<LOD	76.28	7	58.88					
[redacted]	07/11/06	203.03	12		<LOD	14		<LOD	54		59.28	6						
[redacted]	07/11/06	179.49	11		<LOD	13		<LOD	54		41.08	5						
[redacted]	07/11/06	111.56	10	239.42	17.32	5	17.32	<LOD	57	<LOD	27.41	5	51.07					
[redacted]	07/11/06	188.72	12		<LOD	13		<LOD	55		38.07	5						
[redacted]	07/11/06	417.97	18		<LOD	19		<LOD	57		87.72	7						
[redacted]	07/11/06	356.74	16	402.34	<LOD	16	<LOD	<LOD	57	<LOD	74.27	7	71.44					
[redacted]	07/11/06	492.49	19		<LOD	18		<LOD	58		88.18	7						
[redacted]	07/11/06	357.81	17		<LOD	16		<LOD	60		51.88	6						
[redacted]	07/11/06	485.66	19	495.58	<LOD	17	<LOD	<LOD	56	<LOD	77.23	7	69.52					
[redacted]	07/11/06	481.94	19		<LOD	16		<LOD	58		56.09	6						
[redacted]	07/11/06	519.07	20		<LOD	18		<LOD	58		75.25	7						
[redacted]	07/11/06	789.36	25	652.94	<LOD	20	<LOD	<LOD	57	<LOD	122.58	8	110.23					
[redacted]	07/11/06	477.37	19		<LOD	19		<LOD	57		100.83	8						
[redacted]	07/11/06	692.08	23		<LOD	19		<LOD	58		107.19	8						
[redacted]	06/28/06	327.23	16	302.42	<LOD	15	<LOD	<LOD	57	<LOD	47.86	6	48.14					
[redacted]	06/28/06	220.07	13		<LOD	14		<LOD	56		39.36	5						
[redacted]	06/28/06	359.96	19		<LOD	19		<LOD	66		57.21	7						
[redacted]	06/28/06	301.93	14	341.52	<LOD	15	<LOD	<LOD	54	<LOD	58.04	6	58.37					
[redacted]	06/28/06	369.35	17		<LOD	16		<LOD	59		60.29	7						
[redacted]	06/28/06	353.27	17		<LOD	17		<LOD	58		56.78	6						
[redacted]	06/28/06	436.98	18	390.24	<LOD	17	<LOD	<LOD	56	<LOD	64.90	6	66.73					
[redacted]	06/28/06	276.50	17		<LOD	19		<LOD	70		54.73	7						
[redacted]	06/28/06	457.23	19		<LOD	18		<LOD	58		80.55	7						
[redacted]	06/28/06	487.03	20	438.14	<LOD	18	17.03	<LOD	61	<LOD	55.73	7	62.30		53	12	8.6	400
[redacted]	06/28/06	391.96	17		17.03	5		<LOD	56		57.42	6						
[redacted]	06/28/06	435.45	19		<LOD	18		<LOD	59		73.75	7						
[redacted]	06/28/06	438.93	18	391.35	<LOD	16	<LOD	<LOD	55	<LOD	53.73	6	49.20					
[redacted]	06/28/06	393.89	17		<LOD	15		<LOD	56		42.27	6						
[redacted]	06/28/06	341.24	16		<LOD	16		<LOD	58		51.60	6						
[redacted]	06/28/06	165.43	11	167.17	<LOD	13	14.90	<LOD	56	<LOD	27.71	5	25.40					
[redacted]	06/28/06	175.44	13		<LOD	14		<LOD	64		24.31	5						
[redacted]	06/28/06	160.63	12		14.90	5		<LOD	63		24.18	5						
[redacted]	06/28/06	357.06	15	296.08	<LOD	13	<LOD	<LOD	50	<LOD	47.25	5	49.70					
[redacted]	06/28/06	318.64	16		<LOD	16		<LOD	58		64.99	7						
[redacted]	06/28/06	214.53	12		<LOD	13		<LOD	54		36.86	5						
[redacted]	06/28/06	370.11	16	390.19	<LOD	17	<LOD	<LOD	56	<LOD	63.39	6	94.33					
[redacted]	06/28/06	451.61	18		<LOD	20		<LOD	56		116.94	8						
[redacted]	06/28/06	348.86	17		<LOD	20		<LOD	59		102.66	8						
[redacted]	06/28/06	381.98	16	415.97	<LOD	17	<LOD	<LOD	54	<LOD	77.11	7	88.00					
[redacted]	06/28/06	369.65	18		<LOD	19		<LOD	61		81.60	7						
[redacted]	06/28/06	496.29	20		<LOD	21		<LOD	58		105.28	8						
[redacted]	06/28/06	1,029.44	31	670.93	<LOD	21	24.56	<LOD	59	<LOD	89.08	8	76.79					
[redacted]	06/28/06	446.36	18		<LOD	16		<LOD	55		65.32	6						
[redacted]	06/28/06	536.98	21		24.56	6		<LOD	56		75.97	7						
[redacted]	06/28/06	320.96	15	280.06	<LOD	17	<LOD	<LOD	52	<LOD	76.58	6	80.96					
[redacted]	06/28/06	253.83	14		<LOD	15		<LOD	57		41.67	6						
[redacted]	06/28/06	265.40	14		<LOD	16		<LOD	54		64.63	6						
[redacted]	06/28/06	414.68	16	440.70	<LOD	14	<LOD	<LOD	53	<LOD	53.41	6	51.94					
[redacted]	06/28/06	461.00	18		<LOD	14		<LOD	53		44.85	5						
[redacted]	06/28/06	446.43	17		<LOD	14		<LOD	53		57.56	6						
[redacted]	06/28/06	321.24	15	407.78	<LOD	14	<LOD	<LOD	53	<LOD	40.71	5	65.29					
[redacted]	06/28/06	435.09	17		<LOD	17		<LOD	54		76.68	6						
[redacted]	06/28/06	467.02	19		<LOD	18		<LOD	58		78.49	7						
[redacted]	06/28/06	344.76	15	317.76	<LOD	15	<LOD	<LOD	52	<LOD	62.98	6	57.12					
[redacted]	06/28/06	287.63	13		<LOD	14		<LOD	50		55.31	5						
[redacted]	06/28/06	320.87	14		<LOD	14		<LOD	51		53.07	5						
[redacted]	06/28/06	494.91	19	451.08	<LOD	14	<LOD	<LOD	56	<LOD	46.43	6	45.27					
[redacted]	06/28/06	485.68	19		<LOD	14		<LOD	56		37.81	5						

EX 6

91 REDACTIONS

Appendix N
Residential, Vacant, and Commercial Property XRF Results and Corresponding Laboratory Results
Old American Zinc Plant Site, Fairmont City, Illinois

														Laboratory Verification Sample Results (mg/kg)			
Sample ID	Sample Date	Zn	(+/-)	Zn Avg	As	(+/-)	As Avg	Cd	(+/-)	Cd Avg	Pb	(+/-)	Pb Avg	Pb	As	Cd	Zn
[redacted]	06/28/06	372.65	17		<LOD	15		<LOD	60		51.57	6					
[redacted]	06/28/06	757.37	25	920.67	<LOD	25	38.34	<LOD	57	<LOD	167.48	10	211.43	180	13	21	790
[redacted]	06/28/06	1,055.08	40		43.32	13		<LOD	75		251.81	15					
[redacted]	06/28/06	949.54	31		33.37	10		<LOD	64		215.01	12					
[redacted]	06/28/06	592.19	22	641.30	<LOD	20	<LOD	<LOD	57	<LOD	110.26	8	123.54				
[redacted]	06/28/06	740.43	25		<LOD	22		<LOD	58		126.20	9					
[redacted]	06/28/06	591.28	22		<LOD	22		<LOD	59		134.16	9					
[redacted]	06/28/06	462.31	17	510.13	<LOD	16	<LOD	<LOD	53	<LOD	78.00	6	77.86				
[redacted]	06/28/06	534.08	19		<LOD	16		<LOD	51		76.52	6					
[redacted]	06/28/06	534.01	19		<LOD	16		<LOD	53		79.06	7					
[redacted]	06/28/06	935.42	28	813.09	<LOD	22	<LOD	<LOD	56	<LOD	128.48	8	181.33				
[redacted]	06/28/06	726.34	24		<LOD	24		<LOD	56		170.79	10					
[redacted]	06/28/06	777.52	25		<LOD	25		<LOD	58		184.71	10					
[redacted]	06/28/06	493.37	19	413.64	<LOD	17	<LOD	<LOD	57	<LOD	66.60	6	52.70				
[redacted]	06/28/06	349.81	17		<LOD	17		<LOD	60		54.80	6					
[redacted]	06/28/06	397.73	20		<LOD	17		<LOD	68		36.70	6					
[redacted]	06/28/06	283.92	13	264.85	<LOD	13	<LOD	<LOD	51	<LOD	40.42	5	37.60				
[redacted]	06/28/06	256.45	13		<LOD	12		<LOD	52		25.04	4					
[redacted]	06/28/06	254.18	12		<LOD	13		<LOD	50		47.32	5					
[redacted]	06/28/06	304.73	15	294.36	<LOD	13	<LOD	<LOD	55	<LOD	34.69	5	42.61				
[redacted]	06/28/06	304.99	14		<LOD	14		<LOD	53		48.71	5					
[redacted]	06/28/06	273.38	14		<LOD	14		<LOD	56		44.24	6					
[redacted]	06/28/06	348.14	16	338.32	<LOD	16	<LOD	<LOD	56	<LOD	54.88	6	53.26				
[redacted]	06/28/06	337.83	16		<LOD	15		<LOD	57		44.49	6					
[redacted]	06/28/06	329.00	16		<LOD	16		<LOD	57		60.41	6					
[redacted]	06/28/06	375.73	17	315.59	<LOD	16	<LOD	<LOD	57	<LOD	51.13	6	48.44				
[redacted]	06/28/06	266.50	14		<LOD	15		<LOD	56		46.16	6					
[redacted]	06/28/06	304.53	15		<LOD	15		<LOD	57		48.04	6					
[redacted]	06/28/06	479.52	19	439.30	<LOD	18	<LOD	<LOD	58	<LOD	72.60	7	65.84	76	10	11	500
[redacted]	06/28/06	396.19	18		<LOD	17		<LOD	61		60.16	7					
[redacted]	06/28/06	442.20	18		<LOD	16		<LOD	58		64.75	6					
[redacted]	06/28/06	389.15	17	366.68	<LOD	17	17.23	<LOD	56	<LOD	67.87	6	55.93				
[redacted]	06/28/06	354.18	16		17.23	5		<LOD	58		50.77	6					
[redacted]	06/28/06	356.72	17		<LOD	16		<LOD	58		49.16	6					
[redacted]	06/28/06	303.86	14	316.31	<LOD	14	<LOD	<LOD	54	<LOD	39.30	5	47.70				
[redacted]	06/28/06	286.44	15		<LOD	15		<LOD	57		47.46	6					
[redacted]	06/28/06	358.63	14		<LOD	13		<LOD	50		56.34	5					
[redacted]	06/28/06	262.67	13	311.68	<LOD	13	<LOD	<LOD	51	<LOD	37.46	5	43.66				
[redacted]	06/28/06	369.15	16		<LOD	15		<LOD	53		53.74	6					
[redacted]	06/28/06	303.21	14		<LOD	13		<LOD	53		39.79	5					
[redacted]	06/28/06	436.51	20	394.53	<LOD	17	<LOD	<LOD	63	<LOD	55.55	7	56.97				
[redacted]	06/28/06	352.54	17		<LOD	17		<LOD	59		58.39	6					
[redacted]	06/28/06	479.42	19	325.30	<LOD	18	17.73	<LOD	57	<LOD	82.54	7	53.24				
[redacted]	06/28/06	212.47	14		<LOD	16		<LOD	62		36.98	6					
[redacted]	06/28/06	284.02	15		17.73	5		<LOD	58		40.21	6					
Cookson-BK-0.1	9/20/06	1,355.29	34	1,005.60	23.94	8	22.85	<LOD	55	<LOD	142.85	9	129.04				
Cookson-BK-0.1	9/20/06	813.03	25		<LOD	20		<LOD	54		127.83	8					
Cookson-BK-0.1	9/20/06	848.47	25		21.76	7		<LOD	54		116.45	8					
Cookson-BK-0.5	9/20/06	899.48	30	1,024.43	<LOD	30	<LOD	<LOD	62	<LOD	225.78	12	222.11				
Cookson-BK-0.5	9/20/06	1,207.70	34		<LOD	34		<LOD	59		322.15	14					
Cookson-BK-0.5	9/20/06	966.10	31		<LOD	23		<LOD	61		118.38	9					
Cookson-BK-1.0	9/20/06	1,360.63	37	2,120.98	33.00	10	50.70	<LOD	59	<LOD	260.86	12	346.37				
Cookson-BK-1.0	9/20/06	1,838.54	43		50.83	12		<LOD	57		342.34	14					
Cookson-BK-1.0	9/20/06	3,163.70	68		68.28	14		<LOD	60		435.93	16					
Cookson-BK-1.5	9/20/06	4,055.27	84	4,377.24	<LOD	53	52.12	<LOD	62	<LOD	770.16	24	729.91	360	25	21	1,900
Cookson-BK-1.5	9/20/06	5,547.45	106		<LOD	60		<LOD	61		1,065.31	28					
Cookson-BK-1.5	9/20/06	3,528.99	74		52.12	13		<LOD	60		354.25	15					
Cookson-BK-2.0	9/20/06	739.80	30	7,636.61	<LOD	16	46.39	<LOD	71	<LOD	27.15	6	68.38				
Cookson-BK-2.0	9/20/06	21,207.51	354		76.70	10		<LOD	63		136.38	10					
Cookson-BK-2.0	9/20/06	962.51	28		16.07	5		<LOD	57		41.54	6					
Cookson-FR-0.1	9/20/06	1,354.16	34	1,373.75	<LOD	24	<LOD	<LOD	53	<LOD	189.65	10	185.01				
Cookson-FR-0.1	9/20/06	1,535.10	38		<LOD	25		<LOD	57		192.67	10					
Cookson-FR-0.1	9/20/06	1,232.00	32		<LOD	23		<LOD	54		172.71	9					
Cookson-FR-0.5	9/20/06	3,156.14	75	2,895.33	53.87	12	49.52	<LOD	68	<LOD	269.26	14	336.23				
Cookson-FR-0.5	9/20/06	2,240.36	51		<LOD	36		<LOD	59		385.06	15					
Cookson-FR-0.5	9/20/06	3,289.49	73		45.17	13		<LOD	63		354.38	15					
Cookson-FR-1.0	9/20/06	2,470.46	53	2,929.95	<LOD	29	<LOD	<LOD	57	<LOD	238.25	11	290.91				
Cookson-FR-1.0	9/20/06	3,704.64	72		<LOD	36		<LOD	58		408.39	15					
Cookson-FR-1.0	9/20/06	2,614.75	69		<LOD	35		<LOD	71		226.09	14					
Cookson-FR-1.5	9/20/06	1,293.10	35	1,730.40	<LOD	30	55.12	<LOD	58	<LOD	252.09	12	437.35				
Cookson-FR-1.5	9/20/06	1,970.29	48		72.49	16		<LOD	58		662.39	20					
Cookson-FR-1.5	9/20/06	1,927.83	44		37.75	12		<LOD	57		397.57	15					
Cookson-FR-2.0	9/20/06	1,002.86	30	802.47	<LOD	19	21.09	<LOD	58	<LOD	77.98	7	57.13				
Cookson-FR-2.0	9/20/06	720.73	25		<LOD	19		<LOD	59		75.83	7					
Cookson-FR-2.0	9/20/06	683.82	27		21.09	5		<LOD	68		17.80	5					
Maryland-NE-0.1	09/21/06	1,703.95	38	1,577.50	<LOD	23	<LOD	<LOD	54	60.66	193.67	10	185.51				
Maryland-NE-0.1	09/21/06	1,635.12	38		<LOD	24		<LOD	54		187.48	10					
Maryland-NE-0.1	09/21/06	1,393.42	34		<LOD	23		60.66	18		165.39	9					
Maryland-NE-0.5	09/21/06	1,415.80	36	1,383.34	<LOD	29	<LOD	61.26	19	70.40	258.08	12	250.62				
Maryland-NE-0.5	09/21/06	1,385.18	35		<LOD	28		79.53	19		253.57	11					
Maryland-NE-0.5	09/21/06	1,349.05	34		<LOD	28		<LOD	57		240.22	11					
Maryland-NE-1.0	09/21/06	1,156.75	31	1,187.94	21.70	5	21.70	<LOD	56	<LOD	42.54	6	42.89	46	6.8	44	1,200
Maryland-NE-1.0	09/21/06	1,184.70	32		<LOD	16		<LOD	58		53.35	6					
Maryland-NE-1.0	09/21/06	1,222.38	34		<LOD	14		<LOD	62		32.79	6					
Maryland-NE-1.5	09/21/06	1,363.23	35	1,318.04	20.35	6	20.35	<LOD	58	<LOD	53.11	6	53.68				
Maryland-NE-1.5	09/21/06	1,271.34	34		<LOD	16		<LOD	58		47.50	6					
Maryland-NE-1.5	09/21/06	1,319.55	35		<LOD	17		<LOD	57		60.44	6					
Maryland-NE-2.0	09/21/06	1,303.68	35	1,156.19	<LOD	17	<LOD	<LOD	60	<LOD	59.11	6	60.88				
Maryland-NE-2.0	09/21/06	942.92	30		<LOD	16		<LOD	62		40.38	6					
Maryland-NE-2.0	09/21/06	1,221.96	33		<LOD	19		<LOD	58		83.15	7					
Maryland-NW-0.1	09/21/06	2,487.06	51	2,749.31	<LOD	32	<LOD	104.32	18	76.57	357.81	13	433.11				

EX 6
45 REDACTIONS

Appendix N
Residential, Vacant, and Commercial Property XRF Results and Corresponding Laboratory Results
Old American Zinc Plant Site, Fairmont City, Illinois

															Laboratory Verification Sample Results (mg/kg)			
Sample ID	Sample Date	Zn	(+/-)	Zn Avg	As	(+/-)	As Avg	Cd	(+/-)	Cd Avg	Pb	(+/-)	Pb Avg		Pb	As	Cd	Zn
Maryland-NW-0.1	09/21/06	2,958.03	59		<LOD	37		65.00	19		484.43	16						
Maryland-NW-0.1	09/21/06	2,801.85	56		<LOD	35		60.37	19		457.10	15						
Maryland-NW-0.5	09/21/06	1,524.51	37	1,525.50	<LOD	32	<LOD	<LOD	57	79.50	332.18	13	337.06					
Maryland-NW-0.5	09/21/06	1,599.00	38		<LOD	32		84.00	19		337.00	13						
Maryland-NW-0.5	09/21/06	1,453.00	36		<LOD	33		75.00	19		342.00	13						
Maryland-NW-1.0	09/21/06	1,257.00	33	1,267.33	<LOD	15	<LOD	<LOD	57	78.00	45.00	6	47.67					
Maryland-NW-1.0	09/21/06	1,238.00	32		<LOD	16		<LOD	56		58.00	6						
Maryland-NW-1.0	09/21/06	1,307.00	34		<LOD	15		78.00	19		40.00	5						
Maryland-NW-1.5	09/21/06	1,370.00	35	1,432.00	<LOD	13	<LOD	<LOD	56	<LOD	28.00	5	29.33					
Maryland-NW-1.5	09/21/06	1,521.00	37		<LOD	13		<LOD	57		31.00	5						
Maryland-NW-1.5	09/21/06	1,405.00	35		<LOD	13		<LOD	57		29.00	5						
Maryland-NW-2.0	09/21/06	947.00	28	969.00	<LOD	12	<LOD	<LOD	57	<LOD	23.00	5	23.33					
Maryland-NW-2.0	09/21/06	1,183.00	32		<LOD	13		<LOD	56		27.00	5						
Maryland-NW-2.0	09/21/06	777.00	27		<LOD	13		<LOD	61		20.00	5						
Maryland-SE-0.1	09/21/06	1,742.17	38	1,689.44	<LOD	23	<LOD	<LOD	50	<LOD	168.57	9	229.72					
Maryland-SE-0.1	09/21/06	1,656.50	36		<LOD	23		<LOD	48		197.28	9						
Maryland-SE-0.1	09/21/06	1,669.67	41		<LOD	32		<LOD	55		323.32	13						
Maryland-SE-0.5	09/21/06	1,132.23	30	1,143.22	<LOD	27	31.34	<LOD	53	74.41	245.71	11	229.67					
Maryland-SE-0.5	09/21/06	1,172.20	32		<LOD	27		74.41	19		217.18	11						
Maryland-SE-0.5	09/21/06	1,125.23	30		31.34	9		<LOD	55		226.12	11						
Maryland-SE-1.0	09/21/06	795.19	25	805.37	<LOD	16	<LOD	<LOD	55	<LOD	62.24	6	58.47					
Maryland-SE-1.0	09/21/06	914.63	27		<LOD	18		<LOD	56		64.72	6						
Maryland-SE-1.0	09/21/06	706.27	25		<LOD	15		<LOD	60		48.46	6						
Maryland-SE-1.5	09/21/06	993.76	28	971.34	<LOD	16	17.99	<LOD	56	<LOD	65.08	6	55.57					
Maryland-SE-1.5	09/21/06	982.14	28		17.31	5		<LOD	56		53.27	6						
Maryland-SE-1.5	09/21/06	938.13	27		18.66	5		<LOD	55		48.35	6						
Maryland-SE-2.0	09/21/06	416.53	18	563.19	<LOD	12	<LOD	<LOD	58	<LOD	19.35	5	40.21					
Maryland-SE-2.0	09/21/06	512.71	24		<LOD	15		<LOD	70		19.99	6						
Maryland-SE-2.0	09/21/06	760.33	25		<LOD	19		<LOD	57		81.27	7						
Maryland-SW-0.1	09/21/06	1,509.50	34	1,849.95	<LOD	25	<LOD	<LOD	50	<LOD	249.35	10	324.88					
Maryland-SW-0.1	09/21/06	2,148.53	46		<LOD	35		<LOD	57		415.13	15						
Maryland-SW-0.1	09/21/06	1,891.81	42		<LOD	30		<LOD	54		310.16	12						
Maryland-SW-0.5	09/21/06	1,491.48	38	1,547.76	<LOD	34	<LOD	<LOD	59	73.26	365.91	14	372.48		380	15	63	1,500
Maryland-SW-0.5	09/21/06	1,546.05	38		<LOD	35		65.13	19		415.61	15						
Maryland-SW-0.5	09/21/06	1,605.74	39		<LOD	32		81.39	19		335.91	13						
Maryland-SW-1.0	09/21/06	747.63	23	821.19	<LOD	13	<LOD	<LOD	55	<LOD	34.47	5	29.83					
Maryland-SW-1.0	09/21/06	755.99	24		<LOD	12		<LOD	55		24.32	5						
Maryland-SW-1.0	09/21/06	959.95	27		<LOD	12		<LOD	55		30.71	5						
Maryland-SW-1.5	09/21/06	1,092.46	30	1,112.11	<LOD	13	<LOD	<LOD	57	65.63	32.00	5	36.01					
Maryland-SW-1.5	09/21/06	1,118.74	31		<LOD	15		<LOD	56		53.24	6						
Maryland-SW-1.5	09/21/06	1,125.13	31		<LOD	12		65.53	19		22.79	5						
Maryland-SW-2.0	09/21/06	709.27	24	771.07	<LOD	13	<LOD	<LOD	59	<LOD	29.64	5	26.38					
Maryland-SW-2.0	09/21/06	850.06	25		<LOD	12		<LOD	54		19.66	4						
Maryland-SW-2.0	09/21/06	753.89	24		<LOD	13		<LOD	57		29.83	5						
[redacted]	07/20/06	723.00	23	692.33	<LOD	24	<LOD	<LOD	57	<LOD	172.00	9	279.00					
[redacted]	07/20/06	696.00	23		<LOD	27		<LOD	55		241.00	11						
[redacted]	07/20/06	658.00	22		<LOD	36		<LOD	55		424.00	15						
[redacted]	07/20/06	837.00	34	796.33	59.00	15	59.00	<LOD	73	<LOD	360.00	18	365.67					
[redacted]	07/20/06	701.00	25		<LOD	35		<LOD	60		353.00	15						
[redacted]	07/20/06	851.00	28		<LOD	37		<LOD	61		384.00	15						
[redacted]	07/20/06	818.00	25	921.67	<LOD	28	<LOD	<LOD	55	<LOD	241.00	11	309.33					
[redacted]	07/20/06	1,093.00	34		<LOD	40		<LOD	63		411.00	17						
[redacted]	07/20/06	854.00	27		<LOD	30		<LOD	57		276.00	12						
[redacted]	07/20/06	768.00	25	790.67	<LOD	26	<LOD	<LOD	57	<LOD	199.00	10	230.33					
[redacted]	07/20/06	841.00	25		<LOD	29		<LOD	55		271.00	12						
[redacted]	07/20/06	763.00	25		<LOD	27		<LOD	56		221.00	11						
[redacted]	07/20/06	343.00	18	372.33	<LOD	18	<LOD	<LOD	63	<LOD	71.00	7	95.67					
[redacted]	07/20/06	382.00	17		<LOD	21		<LOD	57		111.00	8						
[redacted]	07/20/06	392.00	18		<LOD	21		<LOD	62		105.00	8						
[redacted]	07/20/06	559.00	20	554.00	<LOD	21	<LOD	<LOD	54	<LOD	140.00	8	132.33					
[redacted]	07/20/06	499.00	18		<LOD	19		<LOD	52		118.00	8						
[redacted]	07/20/06	604.00	20		<LOD	21		<LOD	54		139.00	8						
[redacted]	07/20/06	425.00	18	518.67	<LOD	23	<LOD	<LOD	60	<LOD	156.00	9	152.33					
[redacted]	07/20/06	580.00	21		<LOD	24		<LOD	58		174.00	10						
[redacted]	07/20/06	551.00	20		<LOD	21		<LOD	55		127.00	8						
[redacted]	07/20/06	356.00	16	380.67	<LOD	17	<LOD	<LOD	54	<LOD	75.00	7	60.67					
[redacted]	07/20/06	399.00	15		<LOD	15		<LOD	58		53.00	6						
[redacted]	07/20/06	385.00	17		<LOD	16		<LOD	57		54.00	6						
[redacted]	07/20/06	241.00	14	302.33	<LOD	15	<LOD	<LOD	60	<LOD	43.00	6	39.33					
[redacted]	07/20/06	336.00	16		<LOD	14		<LOD	58		37.00	6						
[redacted]	07/20/06	330.00	15		<LOD	14		<LOD	56		38.00	5						
[redacted]	07/20/06	168.00	12	188.33	<LOD	13	<LOD	<LOD	60	<LOD	25.00	5	26.67					
[redacted]	07/20/06	181.00	11		<LOD	12		<LOD	53		26.00	5						
[redacted]	07/20/06	216.00	13		<LOD	13		<LOD	58		29.00	5						
[redacted]	07/20/06	947.00	28	1,695.67	44.00	14	44.00	<LOD	56	<LOD	504.00	17	381.67					
[redacted]	07/20/06	1,670.00	40		<LOD	29		<LOD	55		220.00	12						
[redacted]	07/20/06	2,470.00	49		<LOD	33		<LOD	51		421.00	14						
[redacted]	07/20/06	1,317.00	35	1,334.00	<LOD	34	<LOD	<LOD	59	<LOD	334.00	14	382.00		440	13	20	1,600
[redacted]	07/20/06	1,355.00	37		<LOD	35		<LOD	61		345.00	14						
[redacted]	07/20/06	1,330.00	38		<LOD	42		<LOD	61		467.00	18						
[redacted]	07/20/06	998.00	29	831.00	<LOD	27	38.00	<LOD	56	<LOD	209.00	11	203.00					
[redacted]	07/20/06	816.00	26		<LOD	26		<LOD	58		185.00	10						
[redacted]	07/20/06	679.00	22		38.00	9		<LOD	54		215.00	10						
[redacted]	07/20/06	653.00	22	817.00	23.00	6	23.00	<LOD	56	<LOD	78.00	7	173.00					
[redacted]	07/20/06	867.00	27		<LOD	24		<LOD	57		158.00	9						
[redacted]	07/20/06	931.00	28		<LOD	31		<LOD	57		283.00	12						
[redacted]	07/20/06	558.00	23	803.00	<LOD	31	<LOD	<LOD	62	<LOD	253.00	13	214.00					
[redacted]	07/20/06	943.00	36		<LOD	34		<LOD	36		217.00	14						
[redacted]	07/20/06	908.00	28		<LOD	25		<LOD	58		172.00	10						
[redacted]	07/20/06	925.00	27	902.33	<LOD	30	<LOD	<LOD	56	<LOD	290.00	12	239.00					
[redacted]	07/20/06	807.00	23		<LOD	21		<LOD	48		161.00	8						

EX 6

47 REDACTIONS

Appendix N
Residential, Vacant, and Commercial Property XRF Results and Corresponding Laboratory Results
Old American Zinc Plant Site, Fairmont City, Illinois

														Laboratory Verification Sample Results (mg/kg)			
Sample ID	Sample Date	Zn	(+/-)	Zn Avg	As	(+/-)	As Avg	Cd	(+/-)	Cd Avg	Pb	(+/-)	Pb Avg	Pb	As	Cd	Zn
[redacted]	07/20/06	975.00	28		<LOD	29		<LOD	55		266.00	12					
[redacted]	07/20/06	1,150.00	32	1,081.33	<LOD	36	47.00	<LOD	57	<LOD	427.00	15	406.67	310	9.2	10	940
[redacted]	07/20/06	1,027.00	30		<LOD	35		<LOD	57		390.00	15					
[redacted]	07/20/06	1,067.00	30		47.00	12		<LOD	56		403.00	15					
[redacted]	07/20/06	708.00	23	776.33	<LOD	23	<LOD	<LOD	56	<LOD	171.00	9	224.33				
[redacted]	07/20/06	764.00	24		<LOD	26		<LOD	55		239.00	11					
[redacted]	07/20/06	857.00	26		<LOD	28		<LOD	57		263.00	12					
[redacted]	07/20/06	499.00	22	326.67	<LOD	17	<LOD	<LOD	65	<LOD	56.00	7	42.67				
[redacted]	07/20/06	244.00	14		<LOD	14		<LOD	60		38.00	6					
[redacted]	07/20/06	237.00	13		<LOD	14		<LOD	57		34.00	5					
[redacted]	07/20/06	184.00	13	180.67	<LOD	13	<LOD	<LOD	62	<LOD	20.00	5	23.00				
[redacted]	07/20/06	179.00	16		<LOD	16		<LOD	78		28.00	7					
[redacted]	07/20/06	179.00	16		<LOD	15		<LOD	79		23.00	7					

EX. 6
13 REDACTIONS

Appendix N
Surficial XRF Results and Corresponding Laboratory Results
Old American Zinc Plant Site, Fairmont City, Illinois

Sample ID	Sample Date	Cu	(+/-)	Cu Avg	Zn	(+/-)	Zn Avg	As	(+/-)	As Avg	Cd	(+/-)	Cd Avg	Pb	(+/-)	Pb Avg	Laboratory Verification Sample Results (mg/kg) Pb	As	Cd	Zn
CSS-01																	370	19	62	4,900
SS-01-SE	05/24/06	229.03	19	262.64	6,792.66	120	7,226.39	<LOD	42	<LOD	119.39	20	101.16	559.73	18	586.07				
SS-01-SE	05/24/06	301.16	21		7,946.52	139		<LOD	48		90.26	20		724.26	22					
SS-01-SE	05/24/06	257.73	20		6,939.80	124		<LOD	39		93.83	20		474.03	17					
SS-01-SW	05/24/06	73.89	13	75.66	2,030.64	46	2,013.31	<LOD	25	<LOD	<LOD	57	<LOD	180.17	10	165.34				
SS-01-SW	05/24/06	77.43	13		2,181.84	49		<LOD	25		<LOD	57		172.35	10					
SS-01-SW	05/24/06	<LOD	89		1,997.81	103		<LOD	54		<LOD	131		160.18	21					
SS-01-SW	05/24/06	<LOD	88		1,851.17	97		<LOD	53		<LOD	128		148.69	20					
CSS-02																	1,600	57	170	18,000
SS-02-NE	05/31/06				20,495.00	362		143.00	29		183.00	23		1,867.00	45	1,820.35				
SS-02-NE	05/31/06				20,265.00	349		<LOD	88		187.00	22		1,998.00	48					
SS-02-NE	05/31/06				17,159.00	297		84.00	28		184.00	22		1,598.00	39					
SS-02-SE	05/31/06	1,516.68	49	1,462.68	13,092.87	231	13,043.43	89.98	21	89.98	138.31	22	150.58	986.83	28	961.81				
SS-02-SE	05/31/06	1,258.38	43		12,846.43	221		<LOD	60		185.92	22		971.65	27					
SS-02-SE	05/31/06	1,563.00	50		13,391.20	237		<LOD	60		127.46	22		944.35	27					
SS-02-SW	05/31/06	543.25	28	533.04	8,389.47	184	9,669.29	<LOD	81	<LOD	156.09	22	143.07	1,120.34	29	1,150.89				
SS-02-SW	05/31/06	522.82	27		9,592.40	188		<LOD	60		157.12	21		1,058.34	28					
SS-02-SW	05/31/06				10,148.00	178		<LOD	66		116.00	21		1,278.00	32					
CSS-03																	1,200	62	94	21,000
SS-03-NE	05/31/06				11,183.00	204		<LOD	45		90.00	22		515.00	19	558.33				
SS-03-NE	05/31/06				1,123.00	203		<LOD	45		97.00	22		526.00	19					
SS-03-NE	05/31/06				14,697.00	264		<LOD	50		<LOD	66		634.00	22					
SS-03-NW	05/31/06	1,129.60	410	1,135.47	27,392.00	610	24,029.87	<LOD	113	<LOD	NA		164.40	1,260.00	91	1,223.20				
SS-03-NW	05/31/06	936.80	360		20,600.00	640		<LOD	104		NA			1,089.60	83					
SS-03-NW	05/31/06	1,340.00	420		23,897.60	710		<LOD	110		NA			1,320.00	91					
SS-03-NW	05/31/06	NA			NA			NA			184.40	65		NA						
SS-03-NW	05/31/06	NA			NA			NA			<LOD	126		NA						
SS-03-NW	05/31/06	NA			NA			NA			<LOD	195		NA						
SS-03-SE	05/31/06				27,889.00	582	25,888.50	265.00	39		<LOD	88		2,075.00	59	2,197.75				
SS-03-SE	05/31/06				24,088.00	494		228.00	35		<LOD	76		1,788.00	51					
CSS-04																	7,200	190	92	23,000
SS-04-NE	05/31/06				26,195.00	519	25,708.00	165.00	37		<LOD	75		2,313.00	60	2,221.33				
SS-04-NE	05/31/06				30,347.00	612		215.00	41		<LOD	76		2,615.00	68					
SS-04-NE	05/31/06				20,582.00	400		195.00	32		83.00	24		1,736.00	47					
SS-04-NW	05/31/06	NA			NA			NA			<LOD	130		NA						
SS-04-NW	05/31/06	NA			NA			NA			<LOD	225		NA						
SS-04-NW	05/31/06	NA			NA			NA			<LOD	102		NA						
SS-04-NW	05/31/06	1,409.80	330	1,832.80	13,866.00	480	18,891.20	574.80	180	632.00	NA		<LOD	5,769.80	230	8,557.87				
SS-04-NW	05/31/06	2,858.80	490		18,891.20	610		500.40	190		NA			7,904.00	310					
SS-04-NW	05/31/06	1,420.00	500		19,494.40	750		829.60	220		NA			12,000.00	440					
SS-04-SE	05/31/06	3,080.00	400	2,993.07	22,796.80	670	22,327.47	286.40	100	281.87	NA		<LOD	2,640.00	130	2,582.93				
SS-04-SE	05/31/06	3,280.00	400		24,396.80	700		320.40	110		NA			2,640.00	140					
SS-04-SE	05/31/06	2,619.20	360		19,766.80	580		256.00	94		NA			2,268.80	120					
SS-04-SE	05/31/06	NA			NA			NA			<LOD	101		NA						
SS-04-SE	05/31/06	NA			NA			NA			<LOD	98		NA						
SS-04-SE	05/31/06	NA			NA			NA			<LOD	107		NA						
CSS-05																	7,700	180	130	61,000
SS-05-NE	05/31/06	5,097.60	260	4,914.13	14,297.60	340	17,958.40	152.20	47	141.85	NA		<LOD	927.20	54	1,158.93				
SS-05-NE	05/31/06	3,987.20	330		13,866.00	390		131.50	58		NA			1,120.00	69					
SS-05-NE	05/31/06	5,857.60	1800		25,689.60	1690		<LOD	255		NA			1,429.80	190					
SS-05-NE	05/31/06	NA			NA			NA			<LOD	80		NA						
SS-05-NE	05/31/06	NA			NA			NA			<LOD	43		NA						
SS-05-NE DUP	05/31/06	5,857.60	1800		25,689.60	1690		<LOD	255		NA			1,429.80	190					
SS-05-NW	05/31/06	3,219.20	770	4,278.40	33,280.00	1500	48,341.33	<LOD	330	1,049.60	NA		<LOD	5,856.40	350	6,560.93				
SS-05-NW	05/31/06	5,337.60	2099		70,860.80	4899		1,049.60	470		NA			13,094.40	1000					
SS-05-NW	05/31/06	<LOD	930		40,883.20	1800		<LOD	315		NA			6,720.00	340					
SS-05-NW	05/31/06	NA			NA			NA			<LOD	165		NA						
SS-05-NW	05/31/06	NA			NA			NA			522.40	240		NA						
SS-05-NW	05/31/06	NA			NA			NA			<LOD	122		NA						
CSS-06																	910	8.6	4.9	990
SS-05-SE	05/31/06	5,040.00	490	4,742.40	70,860.80	1400	60,006.40	172.80	70	143.23	NA		<LOD	1,929.80	86	1,522.93				
SS-05-SE	05/31/06	4,278.40	580		52,684.80	1500		119.83	78		NA			1,229.80	92					
SS-05-SE	05/31/06	4,908.80	560		56,473.60	1400		137.10	75		NA			1,409.60	90					
SS-05-SE	05/31/06	NA			NA			NA			<LOD	76		NA						
SS-05-SE	05/31/06	NA			NA			NA			<LOD	69		NA						
SS-05-SE	05/31/06	NA			NA			NA			<LOD	81		NA						
SS-06-NE	05/31/06	<LOD	185	<LOD	425.60	68	<LOD	<LOD	51	<LOD	NA		<LOD	362.00	41	<LOD				
SS-06-NE	05/31/06	<LOD	265		239.00	82		<LOD	47		NA			234.00	35					
SS-06-NE	05/31/06	<LOD	680		513.20	180		<LOD	79		NA			556.00	82					
SS-06-NE	05/31/06	NA			NA			NA			<LOD	56		NA						
SS-06-NE	05/31/06	NA			NA			NA			<LOD	90		NA						
SS-06-NE	05/31/06	NA			NA			NA			<LOD	63		NA						
SS-06-NE DUP	05/31/06	<LOD	680		513.20	180		<LOD	79		NA			556.00	82					
SS-06-NW	05/31/06	NA			NA			NA			<LOD	61		NA						
SS-06-NW	05/31/06	<LOD	980	<LOD	533.20	180	<LOD	<LOD	81	<LOD	NA		<LOD	492.00	62	<LOD				
SS-06-NW	05/31/06	<LOD	225		378.20	82		<LOD	56		NA			271.20	43					
SS-06-NW	05/31/06	<LOD	565		397.80	160		<LOD	78		NA			405.80	59					
SS-06-SE	05/31/06	<LOD	180	<LOD	186.80	63	<LOD	<LOD	42	<LOD	NA		<LOD	159.00	32	<LOD				
SS-06-SE	05/31/06	<LOD	255		194.80	78		<LOD	55		NA			318.20	43					
SS-06-SE	05/31/06	<LOD	300		307.00	89		<LOD	51		NA			271.20	36					
SS-06-SE	05/31/06	NA			NA			NA			<LOD	55		NA						
CSS-07																	730	4.8	3.2	380
SS-07-NE	05/31/06	NA			NA			NA			<LOD	72		NA						
SS-07-NE	05/31/06	<LOD	390	<LOD	<LOD	150	<LOD	<LOD	37	<LOD	NA		<LOD	41.70	24	<LOD				
SS-07-NE	05/31/06	<LOD	149		98.20	49		<LOD	30		NA			64.10	22					
SS-07-NE	05/31/06	<LOD	185		109.30	55		<LOD	32		NA			65.20	24					
SS-07-NW	05/31/06	<LOD	148	<LOD	194.70	54	<LOD	<LOD	63	<LOD	NA		<LOD	568.80	51	<LOD				
SS-07-NW	05/31/06	<LOD	180		181.30	64		<LOD	67		NA			488.80	53					
SS-07-NW	05/31/06	<LOD	1185		<LOD	435		<LOD	110		NA			418.80	78					
SS-07-NW	05/31/06	NA			NA			NA			<LOD	56		NA						
SS-07-SW	05/31/06	<LOD	145	<LOD	209.20	54	<LOD	<LOD	35	<LOD	NA		<LOD	100.80	26	<LOD				
SS-07-SW	05/31/06	<LOD	118		247.20	48		<LOD	33		NA			167.40	26					
SS-07-SW	05/31/06	<LOD	138		249.00	51		<LOD	36		NA			203.90	28					
SS-07-SW	05/31/06	NA			NA			NA			<LOD	46		NA						
CSS-08																	110	4.3	3.8	510
SS-08-NE	05/31/06	NA			NA			NA			<LOD	43		NA						
SS-08-NE	05/31/06	<LOD	375	<LOD	<LOD	150	<LOD	<LOD	31	<LOD	NA		<LOD	<LOD	31	<LOD				
SS-08-NE	05/31/06	<LOD	315		<LOD	124		<LOD	30		NA			<LOD	30					
SS-08-NE	05/31/06	<LOD	180		100.90	62		<LOD	30		NA			<LOD	30					
SS-08-NW	05/31/06	<LOD	495	<LOD	<LOD	180	<LOD	<LOD	34	<LOD	NA		<LOD	<LOD	31	<LOD				
SS-08-NW	05/31/06	<LOD	107		80.20	37		<LOD	20		NA			<LOD	21					
SS-08-NW	05/31/06	<LOD	450		<LOD	185		<LOD	34		NA			<LOD	33					
SS-08-NW	05/31/06	NA			NA			NA			<LOD	57		NA						
SS-08-SE	05/31/06	NA			NA			NA			<LOD	45		NA						
SS-08-SE	05/31/06	<LOD	136	3,798.40	215.40	51	195.55	<LOD	26	<LOD	NA		<LOD	44.40	20	44.40				
SS-08-SE	05/31/06	3,798.40	1000		<LOD	555		<LOD	86		NA			<LOD	75					
SS-08-SE	05/31/06	<LOD	330		175.70	93		<LOD	31		NA			<LOD	31					
CSS-09																	1,900	84	120	28,000
SS-09-NE	05/31/06	NA			NA			NA			<LOD	144		NA						
SS-09-NE	05/31/06	1,240.00	790	1,280.00	37,880.40	1300	35,293.87	<LOD	138	<LOD	NA		<LOD	1,200.00	110	1,046.93				
SS-09-NE	05/31/06	<LOD	1440		33,884.40	1400		<LOD	150		NA			1,020.00	120					
SS-09-NE	05/31/06	1,320.00	580		33,986.80	1000		<LOD	108		NA			920.80	83					
SS-09-NE DUP		1,240.00	790		37,880.40	1300		<LOD	138		NA			1,200.00	110					
SS-09-NW	05/31/06	1,209.60	340	1,121.80	20,286.00	580	22,792.53	178.20	85	235.80	NA		<LOD	2,120.00	110	2,383.20				
SS-09-NW	05/31/06	845.80	410		24,089.60	680		293.40	98		NA			2,489.60	130					
SS-09-NW	05/31/06	1,309.60	700		24,000.00	810		<LOD	165		NA			2,480.00	140					
SS-09-NW	05/31/06	NA			NA			NA			295.40	120		NA						
SS-09-NW	05/31/06	NA			NA			NA			156.60	92		NA						
SS-09-NW	05/31/06	NA			NA			NA			<LOD	99		NA						
SS-09-NW DUP	05/31/06	NA			NA			NA			<LOD	99		NA						

Appendix N
Surficial XRF Results and Corresponding Laboratory Results
Old American Zinc Plant Site, Fairmont City, Illinois

Sample ID	Sample Date	Cu	(+/-)	Cu Avg	Zn	(+/-)	Zn Avg	As	(+/-)	As Avg	Cd	(+/-)	Cd Avg	Pb	(+/-)	Pb Avg	Laboratory Verification Sample Results (mg/kg) Pb	As	Cd	Zn
SS-09-NW DUP	05/31/06	NA			NA			NA			<LOD	98		NA						
SS-09-SW	05/31/06	2,729.60	930	2,299.73	29,184.00	1200	24,324.27	184.00	100	169.45	NA		<LOD	1,100.00	120	1,273.33				
SS-09-SW	05/31/06	2,369.60	970		24,691.20	1200		194.90	120		NA			1,440.00	150					
SS-09-SW	05/31/06	1,800.00	330		19,097.60	510		<LOD	95		NA			1,280.00	78					
SS-09-SW	05/31/06	NA			NA			NA			<LOD	50		NA						
CSS-10																	690	49	33	3,500
SS-10-NE	05/31/06	NA			NA			NA			<LOD	53		NA						
SS-10-NE		<LOD	195		1,400.00	100		<LOD	59		NA			441.20	45	529.47				
SS-10-NE		<LOD	1304		2,748.80	380		<LOD	118		NA			535.20	84					
SS-10-NE		<LOD	720		1,809.80	220		<LOD	92		NA			612.00	70					
SS-10-NE	05/31/06	<LOD	525		3,427.20	210		<LOD	83		NA			660.00	64	790.00				
SS-10-NE	05/31/06	<LOD	435		3,988.00	190		<LOD	74		NA			754.00	58					
SS-10-NE	05/31/06	<LOD	930		4,158.80	340		<LOD	126		NA			936.00	89					
SS-10-NE	05/31/06	NA			NA			NA			<LOD	45		NA						
SS-10-SE	05/31/06	<LOD	285		417.60	84		48.20	30		NA			288.80	33	210.20				
SS-10-SE	05/31/06	<LOD	870		463.20	230		<LOD	69		NA			155.00	45					
SS-10-SE	05/31/06	<LOD	145		773.20	87		42.40	25		NA			209.00	28					
SS-10-SE	05/31/06	NA			NA			NA			88.90	54		NA						
SS-10-SE	05/31/06	NA			NA			NA			<LOD	73		NA						
SS-10-SE	05/31/06	NA			NA			NA			<LOD	69		NA						
SS-10-SE DUP		<LOD	870		463.20	230		<LOD	69		NA			155.00	45					
CSS-11																	870	31	61	8,400
SS-11-NE	06/12/06	336.03	14	344.08	2,507.27	36	2,520.80	29.26	7	29.26	<LOD	39	<LOD	268.31	8	274.68				
SS-11-NE	06/12/06	313.65	13		2,372.14	34		<LOD	21		<LOD	38		267.88	8					
SS-11-NE	06/12/06	379.36	15		2,682.96	37		<LOD	22		<LOD	39		289.64	8					
SS-11-NW	06/12/06	733.08	21	736.10	8,886.82	102	9,352.56	<LOD	34	<LOD	83.21	14	92.74	630.36	14	699.08				
SS-11-NW	06/12/06	639.37	21		9,409.24	116		<LOD	38		92.35	15		713.46	15					
SS-11-NW	06/12/06	835.66	23		9,961.63	115		<LOD	37		102.85	14		753.42	15					
SS-11-SW	06/12/06	2,381.79	43	2,410.45	8,433.85	106	8,447.67	<LOD	37	<LOD	79.50	15	68.15	698.15	15	700.40				
SS-11-SW	06/12/06	2,473.07	44		8,742.46	108		<LOD	38		<LOD	44		706.57	15					
SS-11-SW	06/12/06	2,376.50	43		8,186.69	101		<LOD	36		52.60	15		694.48	15					
CSS-12																	1,600	78	110	27,000
SS-12-NE	06/01/06	NA			NA			NA			<LOD	61		NA						
SS-12-NE	06/01/06	1,828.80	360	1,795.73	24,192.00	610	24,025.60	<LOD	81	<LOD	NA		<LOD	954.40	67	926.13				
SS-12-NE	06/01/06	1,729.60	460		25,190.40	710		<LOD	92		NA			909.60	73					
SS-12-NE	06/01/06	1,828.80	370		22,894.40	600		<LOD	83		NA			914.40	68					
SS-12-NW	06/01/06	3,987.20	280	5,235.47	14,092.80	350	16,426.67	<LOD	70	<LOD	NA		<LOD	909.60	57	994.13				
SS-12-NW	06/01/06	7,449.60	1000		20,086.00	880		<LOD	150		NA			1,129.60	110					
SS-12-NW	06/01/06	4,329.60	390		15,091.20	440		<LOD	64		NA			943.20	67					
SS-12-NW	06/01/06	NA			NA			NA			105.30	62		NA						
SS-12-NW	06/01/06	NA			NA			NA			<LOD	58		NA						
SS-12-NW	06/01/06	NA			NA			NA			<LOD	78		NA						
SS-12-SE	06/01/06	NA			NA			NA			<LOD	108		NA						
SS-12-SE	06/01/06	2,388.80	370	2,215.47	20,697.60	540	21,060.27	436.80	97	447.07	NA		<LOD	2,889.60	120	3,049.80				
SS-12-SE	06/01/06	2,308.80	430		21,388.80	590		429.20	100		NA			3,089.60	140					
SS-12-SE	06/01/06	1,846.60	630		21,094.40	770		475.20	130		NA			3,169.60	170					
CSS-13																	13,000	31,000	6,000	88,000
SS-13-NE	06/01/06	NA			NA			NA			4,980.00	900		NA						
SS-13-NE	06/01/06	NA			NA			NA			4,688.80	870		NA						
SS-13-NE	06/01/06	NA			NA			NA			4,208.00	580		NA						
SS-13-NE	06/01/06	5,200.00	680	4,988.80	96,064.00	1699	59,545.60	41,088.00	1200	41,719.47	NA		<LOD	8,108.80	330	9,243.73				
SS-13-NE	06/01/06	5,308.80	950		65,280.00	2400		48,387.20	1699		NA			10,894.40	490					
SS-13-NE	06/01/06	4,457.60	720		57,292.80	1800		37,683.20	1200		NA			8,828.00	360					
SS-13-NW	06/01/06	NA			NA			NA			184.10	85		NA						
SS-13-NW	06/01/06	NA			NA			NA			<LOD	58		NA						
SS-13-NW	06/01/06	NA			NA			NA			<LOD	68		NA						
SS-13-NW	06/01/06	1,540.00	280	1,898.27	15,580.40	430	17,757.87	194.80	63	234.40	NA		<LOD	1,200.00	74	1,236.53				
SS-13-NW	06/01/06	1,760.00	560		18,888.00	630		231.60	85		NA			1,320.00	98					
SS-13-NW	06/01/06	1,788.80	280		18,985.20	480		276.80	80		NA			1,189.60	68					
SS-13-SE	06/01/06	NA			NA			NA			<LOD	102		NA						
SS-13-SE	06/01/06	13,990.40	1400	12,795.73	34,380.80	1699	30,455.47	509.20	180	456.00	NA		<LOD	2,188.80	200	2,029.33				
SS-13-SE	06/01/06	12,697.60	960		31,692.80	1300		444.00	130		NA			2,089.60	180					
SS-13-SE	06/01/06	11,699.20	590		25,292.80	750		414.80	92		NA			1,809.60	110					
CSS-14																	13,000	600	610	110,000
SS-14-NW	06/01/06	NA			NA			NA			519.20	120		NA						
SS-14-NW	06/01/06	NA			NA			NA			1,329.60	250		NA						
SS-14-NW	06/01/06	NA			NA			NA			447.60	180		NA						
SS-14-NW	06/01/06	4,547.20	650	5,101.87	52,889.60	1500	55,773.87	472.40	140	487.87	NA		<LOD	3,958.40	190	4,225.07				
SS-14-NW	06/01/06	5,139.20	700		58,675.20	1600		575.60	140		NA			4,368.80	200					
SS-14-NW	06/01/06	5,619.20	580		55,758.80	1400		415.60	130		NA			4,348.80	180					
SS-14-SE	06/01/06	NA			NA			NA			292.80	94		NA						
SS-14-SE	06/01/06	NA			NA			NA			200.30	80		NA						
SS-14-SE	06/01/06	NA			NA			NA			190.30	79		NA						
SS-14-SE	06/01/06	3,609.60	510	3,482.13	49,689.60	1200	50,551.47	663.20	200	767.60	NA		<LOD	12,294.40	350	12,362.67				
SS-14-SE	06/01/06	3,728.00	730		54,189.60	1800		936.80	240		NA			12,998.40	440					
SS-14-SE	06/01/06	3,108.80	450		47,795.20	1100		702.60	180		NA			11,795.20	310					
SS-14-SW	06/01/06	NA			NA			NA			<LOD	270		NA						
SS-14-SW	06/01/06	11,296.00	1699	10,523.73	245,984.80	9094	227,293.87	402.80	200	498.00	NA		<LOD	5,097.60	300	4,791.47				
SS-14-SW	06/01/06	10,798.80	1600		229,990.41	8088		543.20	200		NA			4,937.60	280					
SS-14-SW	06/01/06	9,478.40	1200		205,926.41	5698		442.00	150		NA			4,339.20	200					
CSS-15																	23,000	480	260	110,000
SS-15-NE	06/01/06	NA			NA			NA			303.20	150		NA						
SS-15-NE	06/01/06	NA			NA			NA			258.20	110		NA						
SS-15-NE	06/01/06	NA			NA			NA			382.80	200		NA						
SS-15-NE	06/01/06	7,699.20	1400	7,552.00	84,889.60	3699	85,845.33	2,200.00	470	1,513.07	NA		<LOD	24,588.80	1100	23,291.73				
SS-15-NE	06/01/06	8,409.60	1300		95,283.20	3696		1,349.60	440		NA			25,292.80	1100					
SS-15-NE	06/01/06	6,547.20	800		77,363.20	2400		989.60	310		NA			19,993.60	680					
SS-15-NW	06/01/06	NA			NA			NA			<LOD	126		NA						
SS-15-NW	06/01/06	16,691.20	2800	14,828.80	337,920.00	17997	313,890.13	841.20	280	797.07	NA		<LOD	5,699.20	430	5,186.13				
SS-15-NW	06/01/06	10,297.60	1500		242,827.60	8294		600.40	180		NA			4,240.00	240					
SS-15-NW	06/01/06	17,497.60	3000		360,857.59	18995		1,149.60	310		NA			5,619.20	430					
SS-15-SE	06/01/06	NA			NA			NA			<LOD	139		NA						
SS-15-SE	06/01/06	6,273.40	840	5,404.80	28,598.40	990	20,228.27	307.40	150	301.67	NA		<LOD	3,860.00	200	3,635.73				
SS-15-SE	06/01/06	4,528.00	350		14,592.00	430		322.60	100		NA			3,288.80	140					
SS-15-SE	06/01/06	5,408.00	730		19,494.40	750		275.00	150		NA			3,858.40	200					
CSS-16																	2,900	97	80	32,000
SS-16-NE	06/01/06	NA			NA			NA			<LOD	121		NA						
SS-16-NE	06/01/06	2,449.60	630	2,252.80	43,878.40	1400	54,016.00	206.60	120	208.60	NA		<LOD	2,580.00	180	3,158.93				
SS-16-NE	06/01/06	1,889.60	1200		60,774.40	2699		<LOD	270		NA			3,728.00	260					
SS-16-NE	06/01/06	2,419.20	750		57,395.20	1899		<LOD	210		NA			3,188.80	180					
SS-16-NW	06/01/06	NA			NA			NA			<LOD	65		NA						
SS-16-NW	06/01/06	<LOD	810		1,260.00	230		<LOD	71		NA			246.40	49	271.23				
SS-16-NW	06/01/06	<LOD	345		1,009.60	120		<LOD	57		NA			382.40	45					
SS-16-NW	06/01/06	<LOD	1005		620.80	260		<LOD	80		NA			184.90	51					
SS-16-SW	06/01/06	NA			NA			NA			<LOD	73		NA						
SS-16-SW	06/01/06	848.80	240	1,104.27	10,798.80	310	12,891.73	<LOD	81	<LOD	NA		<LOD	1,140.00	67	1,178.53				
SS-16-SW	06/01/06	944.00	230		13,388.80	350		<LOD	80		NA			1,120.00	65					
SS-16-SW	06/01/06	1,520.00	570		14,489.60	550		<LOD	121		NA			1,269.60	98					
CSS-17																	2,300	66	67	21,000
SS-17-NE	06/01/06	NA			NA			NA			<LOD	89		NA						
SS-17-NE	06/01/06	2,449.60	860	3,035.73	18,428.00	630	20,825.60	<LOD	142	316.00	NA		<LOD	1,849.60	120	1,913.07				
SS-17-NE	06/01/06	3,179.20	740		26,083.20	980		316.00	110		NA			2,089.60	140					
SS-17-NE	06/01/06	3,478.40	390		15,897.60	480		<LOD	111		NA			1,800.00	95					
SS-17-NW	06/01/06	<LOD	195		880.00	87		<LOD	44		NA			224.00	34	245.60				
SS-17-NW	06/01/06	<LOD	1230		868.80	320		<LOD	97		NA			203.20	61					
SS-17-NW	06/01/06	<LOD	980		866.40	260		<LOD	83		NA			308.80	58					
SS-17-NW	06/01/06	NA			NA			NA			<LOD	39		NA						
SS-17-SE	06/01/06	1,149.60	470	1,028.00	23,091.20	700	20,962.13	<LOD	130	140.50	NA		<LOD	1,779.20	110	1,549.60				
SS-17-SE	06/01/06	1,180.00	620		20,897.60	700		156.30	89		NA			1,489.60	110					
SS-17-SE	06/01/06	754.40	320		19,097.60	520		124.70	69		NA			1,400.00	84					

Appendix N
Surficial XRF Results and Corresponding Laboratory Results
Old American Zinc Plant Site, Fairmont City, Illinois

																	Laboratory Verification Sample Results (mg/kg)			
Sample ID	Sample Date	Cu	(+/-)	Cu Avg	Zn	(+/-)	Zn Avg	As	(+/-)	As Avg	Cd	(+/-)	Cd Avg	Pb	(+/-)	Pb Avg	Pb	As	Cd	Zn
SS-17-SE	06/01/06	NA			NA			NA			<LOD	63		NA						
CSS-18																	4,300	96	37	23,000
SS-18-NW	06/01/06	<LOD	345	1,624.40	10,195.20	260	10,212.27	<LOD	75	<LOD	NA		<LOD	1,320.00	64	1,280.00				
SS-18-NW	06/01/06	1,699.20	410		12,896.00	410		<LOD	108		NA			1,500.00	88					
SS-18-NW	06/01/06	1,549.60	300		7,545.60	270		<LOD	81		NA			1,020.00	67					
SS-18-NW	06/01/06	NA			NA			NA			<LOD	63		NA						
SS-18-SE	06/02/06	<LOD	690	518.00	5,148.80	280	5,960.53	146.20	78	146.20	NA		<LOD	1,400.00	94	1,443.20				
SS-18-SE	06/02/06	518.00	160		6,057.60	210		<LOD	90		NA			1,400.00	75					
SS-18-SE	06/02/06	<LOD	765		6,675.20	340		<LOD	128		NA			1,529.60	100					
SS-18-SE	06/02/06	NA			NA			NA			<LOD	76		NA						
SS-18-SE DUP		<LOD	690		5,148.80	280		146.20	78		NA			1,400.00	94					
SS-18-SW	06/02/06	NA			NA			NA			<LOD	65		NA						
SS-18-SW	06/02/06	2,188.80	260	1,899.20	15,897.60	390	13,764.27	120.00	73	120.00	NA		<LOD	2,289.60	94	2,189.33				
SS-18-SW	06/02/06	1,609.60	290		12,499.20	360		<LOD	116		NA			2,219.20	100					
SS-18-SW	06/02/06	<LOD	1035		12,896.00	540		<LOD	150		NA			2,059.20	130					
SS-18-SW DUP		1,609.60	290		12,499.20	380		<LOD	116		NA			2,219.20	100					
CSS-19																	2,200	47	46	9,400
SS-19-NE	06/01/06	<LOD	1065	648.40	8,435.20	480	7,162.67	<LOD	144	<LOD	NA		<LOD	1,240.00	120	1,169.87				
SS-19-NE	06/01/06	648.40	380		6,675.20	310		<LOD	111		NA			1,140.00	90					
SS-19-NE	06/01/06	<LOD	735		6,377.60	320		<LOD	110		NA			1,129.60	89					
SS-19-NE	06/01/06	NA			NA			NA			<LOD	62		NA						
SS-19-NW	06/01/06	124.88	11	112.67	1,944.51	33	1,577.33	<LOD	37	47.29	<LOD	43	<LOD	751.62	15	737.54				
SS-19-NW	06/01/06	89.46	10		1,328.27	26		47.29	12		<LOD	44		706.91	15					
SS-19-NW	06/01/06	124.26	11		1,459.21	27		<LOD	38		<LOD	43		754.08	16					
SS-19-NW	06/01/06	NA			NA			NA			<LOD	38		NA						
SS-19-SW	06/01/06	NA			NA			NA			61.40	37		NA						
SS-19-SW	06/01/06	<LOD	765		1,440.00	220		<LOD	70		NA			281.80	49	324.27				
SS-19-SW	06/01/06	<LOD	450		2,209.60	160		<LOD	56		NA			316.40	43					
SS-19-SW	06/01/06	<LOD	390		1,760.00	130		<LOD	50		NA			374.60	39					
CSS-20																	1,900	59	110	18,000
SS-20-NE	9/20/2006	1114.641235	41.381535		22941.76172	381.93634	19,197.79	79.368523	24.339071	81.05	81.624455	20.797047	103.99	1432.528931	35.453177	1,526.96				
SS-20-NE	9/20/2006	960.603943	38.100786		16105.96826	276.67157		<LOD	78.388716		127.426277	21.055317		1700.16396	40.267345					
SS-20-NE	9/20/2006	765.200664	34.574062		18545.61523	314.06017		82.725204	24.539356		102.727333	20.8526		1448.181763	35.840687					
SS-20-SW	9/20/2006	382.028137	22.906712		4266.972656	84.131134	3,658.66	38.568163	10.493693	38.57	<LOD	60.837193	<LOD	250.476547	12.170317	270.11				
SS-20-SW	9/20/2006	363.219513	22.351749		3965.629683	79.357742		<LOD	34.563737		<LOD	56.206791		339.944655	14.178659					
SS-20-SW	9/20/2006	332.481689	20.755991		2743.364014	58.289906		<LOD	28.381401		<LOD	57.239975		219.916214	11.037774					
CSS-21																	2,200	280	47	12,000
SS-21-NE	9/20/06	4332.537109	109.213242		10663.20508	219.639371	13,233.98	91.019203	22.933644	128.35	<LOD	69.049423	<LOD	845.062214	30.606526	1,134.79				
SS-21-NE	9/20/06	4008.186279	113.075554		15784.08055	338.169159		155.791367	30.053385		<LOD	78.969199		1343.271118	42.23093					
SS-21-NE	9/20/06	3469.712402	100.099983		13054.66699	277.869679		138.231079	27.040945		<LOD	77.393074		1116.00769	38.624973					
SS-21-NW	9/20/06	4906.889648	158.72345		13192.7168	345.624168	11,148.52	557.69917	53.137173	501.93	<LOD	92.465103	<LOD	2592.700928	82.293877	2,314.80				
SS-21-NW	9/20/06	4501.264648	143.01329		11489.26856	293.327698		643.88269	52.552063		<LOD	90.344165		2617.325195	79.747566					
SS-21-NW	9/20/06	4827.565918	143.060257		8763.570313	219.614792		304.015808	38.792576		<LOD	84.498642		1734.374878	55.840576					
SS-21-SW	9/20/06	2418.464111	65.041451		13910.11914	243.702911	14,963.83	<LOD	74.774101	137.46	72.925179	21.758375	71.85	1512.807544	37.325333	1,516.92				
SS-21-SW	9/20/06	2605.29248	70.387863		15493.44043	277.182129		137.460632	26.250542		69.867035	21.448426		1483.288011	37.912781					
SS-21-SW	9/20/06	2674.390669	69.768311		15487.94141	269.671387		<LOD	76.100159		72.765114	21.638677		1554.66377	38.176338					
CSS-22																	2,300	120	63	68,000
SS-22-NE	06/02/06	3,854.31	231	3,839.02	<LOD	135	<LOD	<LOD	76	<LOD	<LOD	121	<LOD	301.63	35	328.20				
SS-22-NE	06/02/06	3,454.33	224		<LOD	140		<LOD	75		<LOD	122		322.72	36					
SS-22-NE	06/02/06	4,208.43	247		<LOD	144		<LOD	79		<LOD	124		360.04	38					
SS-22-NW	06/01/06	4,926.00	510	4,596.40	33,484.80	940	34,884.27	165.70	68	163.03	NA		<LOD	979.20	79	1,224.48				
SS-22-NW	06/01/06	5,968.00	560		28,390.40	830		140.20	64		NA			834.40	73					
SS-22-NW	06/02/06	2,899.20	950		42,777.60	1699		183.20	100		NA			1,109.60	120					
SS-22-NW	06/02/06	4,838.40	2400		61,266.40	4000		<LOD	315		NA			1,819.20	250					
SS-22-NW	06/02/06	3,577.60	1000		48,179.20	1899		286.80	110		NA			1,360.00	130					
SS-22-NW	06/02/06	NA			NA			NA			<LOD	95		NA						
SS-22-SW	06/02/06	3,975.87	235	3,775.82	<LOD	135	<LOD	<LOD	74	<LOD	<LOD	123	<LOD	318.72	36	311.93				
SS-22-SW	06/02/06	3,608.69	226		<LOD	135		<LOD	73		<LOD	119		284.56	35					
SS-22-SW	06/02/06	3,742.90	235		<LOD	144		<LOD	77		<LOD	123		332.50	37					
CSS-23																	9,800	340	390	200,000
SS-23-NW	06/02/06	6,687.92	155	6,267.16	161,274.66	2893	156,564.50	277.32	46	377.39	189.06	25	173.43	3,461.52	78	3,455.16				
SS-23-NW	06/02/06	6,209.90	145		159,409.50	2849		509.64	47		186.59	25		3,433.82	77					
SS-23-NW	06/02/06	5,903.67	137		149,009.34	2618		345.21	45		144.64	25		3,470.13	78					
SS-23-SE	06/02/06	7,704.40	152	6,307.11	72,649.78	1167	60,976.75	407.88	40	314.51	519.68	25	443.20	3,319.25	67	2,724.31				
SS-23-SE	06/02/06	5,115.51	122		50,542.09	920		258.18	37		384.41	27		2,375.08	57					
SS-23-SE	06/02/06	6,101.41	130		59,738.39	1005		277.47	38		425.51	25		2,478.63	55					
SS-23-SW	06/02/06	3,820.88	85	3,854.99	69,951.73	1086	73,895.01	205.30	29	207.12	<LOD	62	82.73	1,921.83	42	1,734.73				
SS-23-SW	06/02/06	3,960.36	89		64,634.53	1011		186.91	27		<LOD	63		1,568.61	37					
SS-23-SW	06/02/06	3,783.73	87		87,098.77	1362		229.14	29		82.73	21		1,713.56	40					
CSS-24																	12,000	330	650	130,000
SS-24-NE	06/02/06	8,912.14	193	8,586.15	140,550.69	2510	129,474.12	666.16	72	722.79	511.94	29	523.33	8,837.18	173	8,936.66				
SS-24-NE	06/02/06	8,839.95	190		133,114.61	2358		729.30	73		590.53	29		9,038.25	175					
SS-24-NE	06/02/06	8,006.35	168		114,757.05	1957		772.90	70		467.53	27		8,934.54	167					
SS-24-NW	06/02/06	10,307.29	170	10,498.83	38,328.29	554	35,960.60	252.17	36	237.78	62.85	19	62.85	3,542.46	62	3,357.29				
SS-24-NW	06/02/06	11,236.79	183		36,681.57	529		284.82	35		<LOD	56		3,387.41	60					
SS-24-NW	06/02/06	9,952.40	174		32,871.95	504		176.36	35		<LOD	60		3,141.98	59					
SS-24-SW	06/02/06	3,179.18	168	2,864.93	529,301.19	15634	478,517.41	<LOD	236	233.18	858.10	54	1,097.57	4,032.55	145	3,899.92				
SS-24-SW	06/02/06	2,762.04	136		414,821.75	11032		233.18	70		1,064.49	52		3,795.19	125					
SS-24-SW	06/02/06	2,653.57	146		491,429.28	14074		<LOD	226		1,370.13	63		3,872.03	136					
CSS-25																	6,900	210	370	61,000
SS-25-NE	06/02/06	2,588.80	760	2,525.87	29,875.20	1100	29,546.67	<LOD	195	216.85	NA		<LOD	3,019.20	180	2,792.53				
SS-25-NE	06/02/06	2,059.20	380		25,689.60	650		191.30	87		NA			2,459.20	110					
SS-25-NE	06/02/06	2,929.60	550		33,075.20	960		242.40	110		NA			2,899.20	150					
SS-25-NE	06/02/06	NA			NA			NA			181.60	100		NA						
SS-25-NE	06/02/06	NA			NA			NA			364.60	150		NA						
SS-25-NE	06/02/06	NA			NA			NA			514.60	180		NA						
SS-25-NW	06/02/06	NA			NA			NA			<LOD	115		NA						
SS-25-NW	06/02/06	2,499.20	890	2,229.60	30,387.20	1100	29,542.40	<LOD	195	201.80	NA		<LOD	2,769.60	180	2,904.80				
SS-25-NW	06/02/06	1,960.00	640		28,697.60	880		201.60	120		NA			3,040.00	150					
SS-25-SE	06/02/06	NA			NA			NA			483.60	160		NA						
SS-25-SE	06/02/06	NA			NA			NA			314.40	130		NA						
SS-25-SE	06/02/06	NA			NA			NA			409.00	150		NA						
SS-25-SE	06/02/06	6,240.00	1699	6,801.07	106,905.60	5498	127,931.73	422.40	220	366.00	NA		<LOD	3,987.20	320	4,600.53				
SS-25-SE	06/02/06	7,104.00	1300		129,945.60	5098		309.60	190		NA			4,467.20	260					
SS-25-SE	06/02/06	7,059.20	1699		148,944.00	6899		<LOD	360		NA			5,347.20	370					
CSS-26																	4,700	190	130	49,000
SS-26-NE	06/02/06	NA			NA			NA			<LOD	210		NA						
SS-26-NE	06/02/06	4,320.00	690	4,176.00	23,091.20	900	24,422.40	<LOD	180	322.40	NA		<LOD	2,139.20	150	2,289.60				
SS-26-NE	06/02/06	3,440.00	1200		29,184.00	1400		322.40	160		NA			2,520.00	210					
SS-26-NE	06/02/06	4,768.00	660		20,992.00	720		<LOD	150		NA			2,209.60	130					
SS-26-SE	06/02/06	NA			NA			NA			<LOD	136		NA						
SS-26-SE	06/02/06	<LOD	2400	2,500.00	41,395.20	2099	36,317.87	<LOD	315	199.90	NA		<LOD	3,200.00	270	3,000.00				
SS-26-SE	06/02/06	2,440.00	680		33,280.00	1100		<LOD	180		NA			2,880.00	160					
SS-26-SE	06/02/06	2,560.00	640		34,278.40	1100		199.90	120		NA			2,920.00	160					
SS-26-SW	06/02/06	2,028.80	390	2,225.60	23,398.40	650	29,730.13	<LOD	109	<LOD	NA		<LOD	1,469.60	91	1,646.13				
SS-26-SW	06/02/06	1,908.80	470		27,494.40	830		<LOD	122		NA			1,489.60	100					
SS-26-SW	06/02/06	2,739.20	1000		38,297.60	1500		<LOD	195		NA			1,979.20	160					
SS-26-SW	06/02/06	NA			NA			NA			<LOD	111		NA						
SS-26-SW DUP		2,739.20	1000		38,297.60	1500		<LOD	195		NA			1,979.20	160					
CSS-27																	2,100	72	110	26,000
SS-27-NW	06/02/06	NA			NA			NA			<LOD	121		NA						
SS-27-NW	06/02/06	2,209.60	770	2,193.07	36,377.60	1400	35,012.27	<LOD	165	<LOD	NA		<LOD	1,889.60	150	1,879.73				
SS-27-NW	06/02/06	2,400.00	790		40,678.40	1500		<LOD	180		NA			2,180.00	160					
SS-27-NW	06/02/06	1,969.60	540		27,980.80	1100		<LOD	150		NA			1,569.60	130					
SS-27-SE	06/05/06	790.65	27	867.67	27,352.99	348	31,055.30	64.28	21	78.37	127.75	17	178.02	1,633.99	30	1,813.25				
SS-27-SE	06/05/06	929.06	31		33,633.58	446		92.46	24		200.60	19		1,868.66	35					
SS-27-SE	06/05/06	883.30	30		32,179.34	428		<LOD	72		205.72	18		1,937.11	36					
SS-27-SW	06/02/06	840.00	350	898.67	11,795.20	450	10,997.33	<LOD	120	114.45	NA		<LOD	1,300.00	98	1,233.07				
SS-27-SW	06/02/06	954.40	280		10,099.20	350		109.20	66		NA			1,069.60	79					
SS-27-SW	06/02/06	901.60	270		11,097.60	370		119.70	71		NA			1,329.60	87					

Appendix N
Surficial XRF Results and Corresponding Laboratory Results
Old American Zinc Plant Site, Fairmont City, Illinois

Sample ID	Sample Date	Cu	(+/-)	Cu Avg	Zn	(+/-)	Zn Avg	As	(+/-)	As Avg	Cd	(+/-)	Cd Avg	Pb	(+/-)	Pb Avg	Laboratory Verification Sample Results (mg/kg) Pb	As	Cd	Zn
SS-27-SW	06/02/06	NA			NA			NA			<LOD	85		NA						
CSS-28																	6,900	180	96	25,000
SS-28-NE	06/05/06	151.22	13	185.48	1,921.44	35	2,731.07	65.30	14	100.08	<LOD	47	<LOD	757.33	17	681.33				
SS-28-NE	06/05/06	171.29	14		2,592.22	46		89.75	13		<LOD	49		606.61	16					
SS-28-NE	06/05/06	233.92	15		3,679.55	56		145.13	17		<LOD	47		1,080.04	21					
SS-28-NW	06/05/06	377.50	18	351.25	8,455.86	113	7,319.88	39.13	13	41.10	<LOD	48	87.18	622.63	15	571.28				
SS-28-NW	06/05/06	382.46	18		6,882.79	98		<LOD	37		<LOD	49		549.46	15					
SS-28-NW	06/05/06	307.78	18		8,621.00	90		43.06	12		87.18	18		541.78	14					
SS-28-SE	06/05/06	3,939.62	73	2,443.73	38,846.39	484	38,340.01	486.46	46	483.43	122.39	18	136.61	6,807.57	96	7,142.21				
SS-28-SE	06/05/06	1,645.44	43		38,157.74	514		536.49	48		113.87	18		7,098.22	105					
SS-28-SE	06/05/06	1,746.14	45		40,015.91	544		447.34	50		173.78	19		7,520.84	111					
CSS-29																	3,900	94	110	25,000
SS-29-NE	06/05/06	1,278.37	34	1,248.37	29,028.73	383	30,983.92	211.15	30	183.65	86.30	16	87.22	3,400.31	52	3,592.85				
SS-29-NE	06/05/06	1,245.11	34		30,147.34	383		175.61	33		102.48	17		3,819.79	58					
SS-29-NE	06/05/06	1,223.62	34		33,715.89	422		184.18	31		92.87	18		3,558.45	54					
SS-29-SE	06/05/06	1,003.61	31	890.33	31,992.69	401	32,235.55	129.56	31	166.44	203.52	17	202.90	3,549.41	54	3,681.64				
SS-29-SE	06/05/06	881.51	30		32,681.51	422		136.87	33		219.96	18		3,629.66	59					
SS-29-SE	06/05/06	785.88	29		32,037.45	435		227.89	34		185.23	19		3,865.86	60					
SS-29-SW	06/05/06	1,139.30	33	1,120.79	18,812.88	228	18,524.98	170.44	26	159.67	<LOD	53	65.42	2,224.11	38	2,221.55				
SS-29-SW	06/05/06	1,190.38	34		18,804.38	217		161.69	25		<LOD	53		2,143.12	36					
SS-29-SW	06/05/06	1,032.77	31		17,157.69	230		146.88	26		65.42	17		2,297.41	39					
CSS-30																	860	50	89	8,100
SS-30-NE	06/12/06	88.53	9	90.41	2,186.04	30	2,336.24	<LOD	21	<LOD	60.23	12	61.48	305.33	8	296.29				
SS-30-NE	06/12/06	93.29	9		2,450.25	34		<LOD	21		<LOD	38		282.91	8					
SS-30-NE	06/12/06	91.40	9		2,370.43	33		<LOD	22		62.88	13		300.64	8					
SS-30-NW	06/12/06	84.36	9	81.87	2,002.58	31	2,405.55	<LOD	21	<LOD	47.43	13	47.12	270.53	8	250.41				
SS-30-NW	06/12/06	75.59	10		2,268.12	38		<LOD	21		46.80	14		224.72	8					
SS-30-NW	06/12/06	85.67	10		2,845.94	41		<LOD	21		<LOD	40		255.99	8					
SS-30-SW	06/12/06	236.41	14	223.29	3,102.38	68	5,301.35	39.52	13	42.32	62.34	15	57.23	788.22	18	701.69				
SS-30-SW	06/12/06	204.03	13		5,378.74	68		45.12	12		56.54	14		704.15	15					
SS-30-SW	06/12/06	229.42	13		5,422.73	68		<LOD	32		52.62	13		632.70	13					
CSS-31																	3,700	470	100	18,000
SS-31-NW	06/13/06				3,918.00	52	3,526.33	<LOD	30	32.00	51.00	14	52.33	546.00	12	386.00				
SS-31-NW	06/13/06				3,057.00	42		<LOD	23		52.00	13		299.00	9					
SS-31-NW	06/13/06				3,594.00	49		32.00	8		54.00	14		311.00	9					
SS-31-SE	06/05/06	3,193.54		3,410.38	7,313.10		8,594.46	322.75		301.09	11.03		29.56	1,577.31		1,825.70				
SS-31-SE	06/05/06	3,297.30			7,378.67			245.42			7.04			1,823.70						
SS-31-SE	06/05/06	3,740.29			5,091.87			335.10			70.61			2,276.10						
SS-31-SW	06/05/06	6,094.12		5,892.73	26,298.87		26,972.89	827.15		778.83	195.75		130.89	3,831.45		3,464.28				
SS-31-SW	06/05/06	5,748.31			28,337.10			695.92			141.96			3,521.46						
SS-31-SW	06/05/06	5,835.83			26,292.75			813.43			54.98			3,299.92						
CSS-32																	86,000	310	220	46,000
SS-32-NW	06/05/06	3,040.05	57	2,783.13	8,355.75	117	5,958.63	126.48	16	157.02	<LOD	49	<LOD	817.10	19	784.95				
SS-32-NW	06/05/06	3,517.74	64		8,434.81	96		209.54	19		<LOD	51		1,157.69	24					
SS-32-NW	06/05/06	1,731.59	37		3,085.60	50		135.04	10		<LOD	47		320.05	10					
SS-32-SE	06/05/06	8,785.81	306	8,732.27	103,057.68	2978	102,201.22	5,377.83	452	5,175.89	298.74	41	324.43	130,795.56	3752	133,252.78				
SS-32-SE	06/05/06	9,349.33	340		112,737.58	3428		5,125.05	495		352.69	43		146,384.88	4425					
SS-32-SE	06/05/06	8,081.67	276		90,808.39	2532		5,024.79	420		321.66	39		122,817.91	3393					
SS-32-SW	06/05/06	4,562.92	87	4,883.07	11,232.27	173	11,953.55	612.34	30	520.73	<LOD	57	<LOD	2,060.97	40	1,989.93				
SS-32-SW	06/05/06	4,691.04	85		11,739.46	173		452.13	27		<LOD	53		1,833.94	35					
SS-32-SW	06/05/06	5,395.24	97		12,888.92	192		497.71	29		<LOD	55		1,994.86	38					
CSS-33																	110,000	320	230	50,000
SS-33-NE	06/05/06	94.66	11	120.61	665.83	18	1,016.47	37.68	12	37.68	<LOD	46	<LOD	848.41	15	846.36				
SS-33-NE	06/05/06	145.32	12		728.30	19		<LOD	37		<LOD	44		658.86	15					
SS-33-NE	06/05/06	121.84	12		1,653.29	31		<LOD	36		<LOD	44		632.01	15					
SS-33-NW	06/05/06	7,366.32	137	7,434.46	46,364.15	704	45,815.93	377.41	41	473.96	142.84	21	148.16	3,992.78	73	4,109.53				
SS-33-NW	06/05/06	7,460.00	139		44,654.21	678		536.98	43		162.70	20		4,120.62	74					
SS-33-NW	06/05/06	7,429.06	139		46,429.43	711		507.50	43		138.93	21		4,215.18	76					
SS-33-SE	06/05/06	106.87	11	175.73	1,423.21	27	1,692.84	<LOD	21	<LOD	<LOD	43	<LOD	212.56	8	239.81				
SS-33-SE	06/05/06	142.08	12		1,456.39	28		<LOD	22		<LOD	45		219.19	8					
SS-33-SE	06/05/06	278.23	14		2,196.91	38		<LOD	24		<LOD	43		287.68	9					
CSS-34																	4,900	270	160	21,000
SS-34-NW	06/05/06	174.41	13	145.31	1,262.55	26	1,013.60	<LOD	52	51.41	<LOD	47	<LOD	1,319.98	24	862.03				
SS-34-NW	06/05/06	60.58	11		519.81	16		43.38	12		<LOD	46		572.94	14					
SS-34-NW	06/05/06	200.95	14		1,256.45	26		59.44	13		<LOD	46		693.16	16					
SS-34-SE	06/05/06	2,273.16	52		9,805.78	145	9,257.83	286.81	25		<LOD	55		1,771.02	35					
SS-34-SE	06/05/06	1,973.23	45		8,809.67	129		248.17	23		<LOD	51		1,535.92	30					
SS-34-SW	06/05/06	4,489.67	83	4,522.14	43,012.83	563	45,587.55	519.22	42	493.73	356.10	20	313.15	5,003.87	78	5,209.26				
SS-34-SW	06/05/06	4,317.54	81		43,355.43	568		416.99	41		329.67	20		5,037.47	78					
SS-34-SW	06/05/06	4,779.21	91		50,334.60	706		544.97	46		253.67	20		5,586.73	89					
CSS-35																	4,600	220	290	31,000
SS-35-NE	06/05/06	1,436.00	31	1,332.49	9,920.88	117	9,657.52	121.59	16	113.85	87.19	15	85.57	1,165.68	20	1,229.94				
SS-35-NE	06/05/06	1,283.76	30		10,162.43	123		126.39	16		72.42	15		1,196.56	21					
SS-35-NE	06/05/06	1,277.72	28		8,889.24	106		90.97	17		97.09	15		1,327.57	22					
SS-35-SE	06/05/06	224.38	13	222.77	7,113.21	84	7,047.62	100.93	12	103.90	66.52	14	53.25	631.30	13	627.06				
SS-35-SE	06/05/06	220.06	13		7,000.88	82		112.36	11		47.14	14		617.19	13					
SS-35-SE	06/05/06	223.84	13		7,029.00	83		88.39	11		48.09	14		632.69	13					
SS-35-SW	06/05/06	815.13	26	931.49	17,374.17	221	20,237.72	65.39	21	107.31	201.18	17	110.94	1,757.61	31	1,932.86				
SS-35-SW	06/05/06	930.67	27		20,075.83	245		119.06	22		64.25	18		1,953.62	32					
SS-35-SW	06/05/06	1,048.66	29		23,263.16	281		137.49	23		67.40	18		2,087.35	34					
CSS-36																	4,000	110	110	26,000
SS-36-NW	06/05/06	2,204.49	50	2,095.99	24,054.06	324	23,214.05	171.39	33	168.55	<LOD	53	86.78	3,856.79	58	3,810.45				
SS-36-NW	06/05/06	2,070.92	48		23,124.83	312		198.57	33		81.13	18		3,842.57	58					
SS-36-NW	06/05/06	2,012.55	47		22,483.46	306		195.68	33		92.43	18		3,531.99	57					
SS-36-SE	06/05/06	829.91	25	804.21	15,976.76	194	16,187.75	185.39	21	180.23	113.06	16	94.94	1,829.93	30	1,759.21				
SS-36-SE	06/05/06	786.36	25		16,102.24	195		138.16	20		99.92	16		1,707.04	29					
SS-36-SE	06/05/06	798.37	24		16,482.25	197		176.13	20		71.85	15		1,740.87	29					
SS-36-SW	06/05/06	2,514.15	59	2,480.69	46,645.46	662	46,830.31	119.04	39	184.15	133.97	20	122.12	4,070.06	69	4,088.38				
SS-36-SW	06/05/06	2,518.97	60		47,341.86	679		150.50	38		100.78	20		4,061.19	70					
SS-36-SW	06/05/06	2,408.96	57		46,503.60	659		222.92	39		131.60	19		4,125.66	70					
CSS-37																	3,400	190	130	27,000
SS-37-NW	06/05/06	4,406.29	83	4,309.27	29,182.92	408	27,475.19	189.74	30	181.61	59.57	18	59.57	2,568.84	47	2,582.67				
SS-37-NW	06/05/06	4,274.15	80		26,072.39	383		174.05	30		<LOD	54		2,629.72	47					
SS-37-NW	06/05/06	4,247.37	77		27,170.28	381		181.03	28		<LOD	52		2,530.26	43					
SS-37-SE	06/05/06	1,193.03	33	1,242.86	22,889.51	293	23,503.16	152.94	25	190.14	170.44	17	175.87	2,244.45	38	2,273.12				
SS-37-SE	06/05/06	1,251.86	35		24,279.99	317		210.02	26		179.81	18		2,269.74	39					
SS-37-SE	06/05/06	1,284.00	35		23,359.87	305		206.85	26		176.78	17		2,305.18	39					
SS-37-SW	06/05/06	3,759.70	79	3,675.22	43,217.00	632	43,564.07	311.77	35	319.31	83.43	20	83.43	3,193.77	58	2,917.61				
SS-37-SW	06/05/06	3,387.46	74		46,116.34	677		243.52	34		<LOD	58		2,919.80	55					
SS-37-SW	06/05/06	3,698.47	80		41,356.88	595		402.63	33		<LOD	58		2,636.27	49					
CSS-38																	3,800	100	130	34,000
SS-38-NE	06/05/06	1,642.06	46	1,516.70	54,774.26	770	54,657.20	148.92	36	132.69	175.74	20	163.24	3,715.44	64	3,486.95				
SS-38-NE	06/05/06	1,440.65	41		52,805.36	710		99.40	33		129.88	19		3,357.03	56					
SS-38-NE	06/05/06	1,467.40	42		56,391.98	788		151.74	34		184.30	19		3,424.38	58					
SS-38-NW	06/05/06	1,001.34	29	1,027.28	15,177.04	194	16,078.82	113.36	22	131.44	48.87	16	52.32	1,801.82	31	1,740.62				
SS-38-NW	06/05/06	1,077.48	30		17,056.63	215		166.47	21		55.77	16		1,570.47	28					
SS-38-NW	06/05/06	1,003.05	28		16,002.79	198		114.50	21		<LOD	46		1,850.37	31					
SS-38-SW	06/05/06	1,823.84	44	1,431.41	50,336.86	684	51,517.42	239.86	36	233.14	95.05	18	109.12	3,892.87	64	3,765.30				
SS-38-SW	06/05/06	1,476.02	43		54,087.40	748		282.66	37		122.75	19		3,842.84	64					
SS-38-SW	06/05/06	1,194.36	37		50,148.01	678		176.90	34		109.57	18		3,560.28	59					
CSS-39																	880	27	68	8,100
SS-39-NE	06/12/06	832.30	22	882.40	2,826.83	42	2,930.81	25.70	7	25.93	<LOD	41	47.38	230.90	8	248.19				
SS-39-NE	06/12/06	883.67	23		2,723.77	40		<LOD	21		49.87	14		239.78	8					
SS-39-NE	06/12/06	871.23	24		3,241.82	49		26.15	6		45.08	15		273.91	9					
SS-39-NW	06/12/06	174.67	10	159.18	2,409.47	32	2,298.77	<LOD	17	<LOD	65.09	12	50.83	212.75	7	180.89				
SS-39-NW	06/12/06	203.80	10		2,707.46	34		<LOD	17		53.23	12		233.52	7					
SS-39-NW	06/12/06	99.06	7		1,779.38	23		<LOD	11		33.58	10		98.40	4					
SS-39-SE	06/12/06	3,351.03	50	3,829.14	3,793.38	51	3,989.77	<LOD	39	<LOD	<LOD	41	<LOD	979.50	17	980.20				
SS-39-SE	06/12/06	3,353.94	50		3,727.58	50		<LOD	39		<LOD	41		941.45	17					
SS-39-SE	06/12/06	4,782.47	65		4,448.37	57		<LOD	39		<LOD	41		956.86	17					

Appendix N
Surficial XRF Results and Corresponding Laboratory Results
Old American Zinc Plant Site, Fairmont City, Illinois

Sample ID	Sample Date	Cu	(+/-)	Cu Avg	Zn	(+/-)	Zn Avg	As	(+/-)	As Avg	Cd	(+/-)	Cd Avg	Pb	(+/-)	Pb Avg	Laboratory Verification Sample Results (mg/kg) Pb	As	Cd	Zn
CSS-40																	2,300	94	42	13,000
SS-40-NE	06/06/06	3,801.90	55	3,914.48	4,789.90	61	4,626.78	<LOD	38	<LOD	54.53	14	54.53	801.39	15	773.91				
SS-40-NE	06/06/06	3,727.13	53		4,503.17	57		<LOD	35		<LOD	40		760.54	14					
SS-40-NE	06/06/06	4,214.35	59		4,613.22	59		<LOD	35		<LOD	41		759.81	15					
SS-40-SE	06/06/06	10,632.15	129	11,620.83	9,802.92	114	9,762.74	63.21	16	57.62	<LOD	43	<LOD	1,255.16	21	1,330.81				
SS-40-SE	06/06/06	12,768.95	157		9,687.14	119		55.17	17		<LOD	44		1,389.31	24					
SS-40-SE	06/06/06	12,059.78	148		9,898.17	120		54.47	17		<LOD	42		1,347.97	23					
SS-40-SW	06/06/06	10,118.75	154	10,836.65	22,175.20	302	24,104.00	213.39	24	173.75	<LOD	52	<LOD	1,748.06	33	1,877.59				
SS-40-SW	06/06/06	7,902.12	133		23,551.46	339		151.13	27		<LOD	54		2,004.07	39					
SS-40-SW	06/06/06	13,891.09	211		26,585.33	373		156.54	25		<LOD	55		1,880.64	37					
CSS-41																	2,600	92	44	15,000
SS-41-NE	06/06/06				23,684.00	403	22,851.67	571.00	32	544.67	<LOD	64	<LOD	1,574.00	39	1,565.67				
SS-41-NE	06/06/06				21,569.00	367		512.00	30		<LOD	64		1,472.00	37					
SS-41-NE	06/06/06				23,282.00	394		551.00	32		<LOD	64		1,651.00	40					
SS-41-SE	06/06/06				742.00	20	677.67	<LOD	33	<LOD	<LOD	49	<LOD	485.00	14	374.33				
SS-41-SE	06/06/06				729.00	18		<LOD	24		<LOD	44		377.00	9					
SS-41-SE	06/06/06				562.00	18		<LOD	28		<LOD	45		361.00	11					
SS-41-SW	06/06/06				17,811.00	284	14,789.67	441.00	32	523.67	<LOD	59	<LOD	2,195.00	45	2,546.00				
SS-41-SW	06/06/06				13,451.00	217		583.00	37		<LOD	60		2,902.00	55					
SS-41-SW	06/06/06				13,107.00	205		537.00	33		<LOD	57		2,541.00	48					
CSS-42																	3,400	380	110	34,000
SS-42-NW	06/06/06				72,476.00	1145	60,390.00	460.00	37	456.00	172.00	52	143.33	2,697.00	56	2,441.00				
SS-42-NW	06/06/06				54,496.00	837		503.00	34		135.00	21		2,417.00	49					
SS-42-NW	06/06/06				54,198.00	834		402.00	33		123.00	21		2,209.00	46					
SS-42-SE	06/06/06				30,228.00	455	30,505.67	242.00	29	220.33	<LOD	59	<LOD	2,112.00	43	2,117.00				
SS-42-SE	06/06/06				30,804.00	456		260.00	29		<LOD	56		2,101.00	42					
SS-42-SE	06/06/06				30,485.00	433		189.00	29		<LOD	59		2,138.00	44					
SS-42-SW	06/06/06				13,671.00	187	16,489.00	367.00	28	438.33	65.00	17	63.50	1,996.00	36	2,485.67				
SS-42-SW	06/06/06				16,333.00	239		432.00	30		<LOD	56		2,327.00	43					
SS-42-SW	06/06/06				19,493.00	290		516.00	35		102.00	19		3,072.00	55					
CSS-43																	2,300	470	82	18,000
SS-43-SE	06/06/06	2,559.10	55	2,543.95	24,997.15	339	26,479.67	209.77	24	145.29	<LOD	53	74.34	1,662.57	33	1,863.70				
SS-43-SE	06/06/06	2,602.46	55		27,459.67	365		141.46	23		<LOD	51		1,656.29	32					
SS-43-SE	06/06/06	2,537.09	52		26,805.39	343		104.67	22		<LOD	50		1,657.69	30					
SS-43-SE	06/06/06	2,477.13	54		26,556.27	365		125.28	23		74.34	18		1,658.26	33					
SS-43-SE	06/06/06				27,913.00	366		152.00	23		<LOD	52		1,684.00	32					
SS-43-SE	06/06/06				26,026.00	345		152.00	21		80.00	17		1,436.00	29					
SS-43-SW	06/06/06	3,436.50	72	3,115.10	18,700.25	279	16,892.17	636.23	33	433.88	152.56	20	103.14	2,436.44	46	1,818.71				
SS-43-SW	06/06/06	3,004.11	63		17,827.90	254		325.49	26		67.50	18		1,773.29	35					
SS-43-SW	06/06/06	2,904.70	60		13,548.36	194		337.93	22		69.36	16		1,244.40	27					
CSS-44																	1,800	130	90	15,000
SS-44-NW	06/06/06				8,580.00	100	6,417.33	234.00	14	236.67	<LOD	51	59.00	480.00	14	613.33				
SS-44-NW	06/06/06				5,892.00	84		240.00	16		59.00	16		678.00	17					
SS-44-NW	06/06/06				6,960.00	100		236.00	16		<LOD	48		684.00	17					
SS-44-SE	06/06/06				26,405.00	358	29,482.33	144.00	23	162.33	<LOD	54	66.00	1,883.00	33	1,832.00				
SS-44-SE	06/06/06				29,774.00	410		187.00	26		68.00	18		2,019.00	38					
SS-44-SE	06/06/06				32,268.00	433		156.00	24		64.00	18		1,794.00	34					
SS-44-SW	06/06/06				10,274.00	136	8,950.33	86.00	18	93.33	75.00	16	63.33	1,189.00	23	923.00				
SS-44-SW	06/06/06				7,735.00	100		82.00	13		69.00	15		691.00	15					
SS-44-SW	06/06/06				8,842.00	116		112.00	15		106.00	16		889.00	19					
CSS-45																	2,800	170	140	21,000
SS-45-NW	06/06/06				15,152.00	182	15,338.00	57.00	18	75.50	135.00	16	120.33	1,467.00	25	1,470.33				
SS-45-NW	06/06/06				13,748.00	165		94.00	18		110.00	15		1,390.00	24					
SS-45-NW	06/06/06				17,114.00	207		<LOD	57		118.00	16		1,554.00	27					
SS-45-SE	06/06/06				37,741.00	504	34,415.33	247.00	34	238.67	160.00	18	178.33	3,706.00	60	3,410.67				
SS-45-SE	06/06/06				35,286.00	478		279.00	34		209.00	19		3,447.00	57					
SS-45-SE	06/06/06				30,219.00	390		190.00	30		160.00	17		3,079.00	48					
SS-45-SW	06/06/06				20,568.00	304	21,279.67	309.00	23	312.67	<LOD	56	<LOD	1,191.00	28	1,131.00				
SS-45-SW	06/06/06				22,272.00	333		297.00	23		<LOD	57		1,146.00	27					
SS-45-SW	06/06/06				20,829.00	302		332.00	22		<LOD	56		1,056.00	25					
CSS-46																	3,800	160	160	28,000
SS-46-NE	06/06/06				45,046.00	667	42,146.00	187.00	34	180.00	139.00	20	160.33	2,933.00	55	2,833.67				
SS-46-NE	06/06/06				41,815.00	590		157.00	32		165.00	19		2,882.00	32					
SS-46-NE	06/06/06				39,583.00	563		196.00	31		177.00	20		2,686.00	49					
SS-46-NW	06/06/06				34,091.00	448	33,149.67	218.00	30	169.00	146.00	18	201.00	2,990.00	49	2,846.67				
SS-46-NW	06/06/06				36,319.00	467		185.00	29		346.00	18		2,856.00	47					
SS-46-NW	06/06/06				29,039.00	359		104.00	27		111.00	16		2,692.00	43					
SS-46-SE	06/06/06				19,013.00	249	17,863.33	468.00	34	380.33	<LOD	50	75.00	3,900.00	59	3,891.33				
SS-46-SE	06/06/06				15,983.00	205		254.00	31		<LOD	46		3,554.00	53					
SS-46-SE	06/06/06				18,594.00	246		419.00	36		75.00	17		4,220.00	64					
CSS-47																	5,100	110	520	64,000
SS-47-NE	06/06/06				50,172.00	699	42,450.00	290.00	41	245.00	193.00	20	192.33	4,873.00	79	4,401.33				
SS-47-NE	06/06/06				38,242.00	496		225.00	36		177.00	18		4,339.00	68					
SS-47-NE	06/06/06				38,936.00	496		220.00	34		207.00	17		3,992.00	61					
SS-47-NW	06/06/06				>10%	1725	#DIV/0!	190.00	42	218.67	707.00	27	783.33	3,894.00	78	4,005.67				
SS-47-NW	06/06/06				>10%	1971		257.00	46		802.00	29		4,245.00	84					
SS-47-NW	06/06/06				>10%	1996		209.00	44		781.00	29		3,878.00	78					
SS-47-SW	06/06/06				20,827.00	266	21,182.33	365.00	33	313.67	66.00	16	75.33	3,814.00	57	4,018.67				
SS-47-SW	06/06/06				22,228.00	286		330.00	37		93.00	17		4,500.00	68					
SS-47-SW	06/06/06				20,492.00	271		246.00	33		67.00	17		3,742.00	58					
CSS-48																	2,600	22	93	11,000
SS-48-NW	06/12/06	135.68	11	151.84	2,952.58	44	3,567.43	<LOD	22	<LOD	67.45	14	65.25	247.68	8	272.83				
SS-48-NW	06/12/06	178.42	11		4,564.07	54		<LOD	23		60.84	13		339.77	9					
SS-48-NW	06/12/06	140.63	12		3,175.65	49		<LOD	22		67.47	15		231.03	8					
SS-48-SE	06/12/06	190.77	11	185.87	5,002.76	59	4,871.48	<LOD	25	31.62	<LOD	38	53.67	427.12	10	462.02				
SS-48-SE	06/12/06	185.33	12		4,886.89	59		<LOD	29		53.42	14		500.58	11					
SS-48-SE	06/12/06	201.52	12		4,344.78	53		31.62	9		53.92	13		458.38	10					
SS-48-SW	06/12/06	336.84	14	342.42	5,858.64	70	7,788.03	<LOD	53	<LOD	<LOD	39	74.53	1,783.28	28	2,112.07				
SS-48-SW	06/12/06	365.83	17		9,298.41	113		<LOD	63		70.59	15		2,226.05	33					
SS-48-SW	06/12/06	324.58	16		8,208.05	105		<LOD	67		78.46	15		2,316.89	35					
CSS-49																	1,300	89	47	7,400
SS-49-NE	06/12/06	388.15	20	810.43	3,341.68	49	3,032.17	59.57	16	59.57	43.41	14	61.75	1,223.95	21	1,089.36				
SS-49-NE	06/12/06	1,289.39	26		2,848.13	39		<LOD	41		74.88	13		1,157.31	18					
SS-49-NE	06/12/06	555.75	19		2,906.70	43		<LOD	40		86.96	14		886.89	17					
SS-49-NW	06/12/06	240.07	13	232.81	2,835.88	42	2,609.81	<LOD	17	17.24	<LOD	43	60.07	145.36	7	134.30				
SS-49-NW	06/12/06	232.50	13		2,521.84	38		17.24	6		60.07	14		121.52	6					
SS-49-NW	06/12/06	225.25	13		2,471.91	38		<LOD	17		<LOD	42		136.02	6					
SS-49-SE	06/12/06	4,261.91	84	4,377.04	19,719.57	293	19,252.70	294.23	28	244.36	<LOD	57	<LOD	2,055.56	41	2,128.19				
SS-49-SE	06/12/06	4,371.90	83		18,534.86	270		193.71	26		<LOD	56		1,946.92	38					
SS-49-SE	06/12/06	4,497.30	86		19,583.66	286		245.14	29		<LOD	55		2,380.06	44					
CSS-50																	1,900	260	18	7,300
SS-50-NE	06/07/06	5,860.77	115	5,784.56	13,799.73	227	15,356.22	456.57	38	440.17	<LOD	60	<LOD	3,232.44	62	3,278.62				
SS-50-NE	06/07/06	5,090.41	100		15,792.38	250		375.60	33		<LOD	58		2,362.28	50					
SS-50-NE	06/07/06	6,402.56	130		16,476.55	262		488.34	45		<LOD	64		4,041.13	78					
SS-50-NW	06/07/06	5,718.12	110	5,715.77	17,039.04	269	14,589.92	308.67	25	316.50	<LOD	59	<LOD	1,318.91	31	1,483.22				
SS-50-NW	06/07/06	4,833.27	88		12,304.11	181		262.10	22		<LOD	53		1,303.51	28					
SS-50-NW	06/07/06	6,595.92	117		14,426.61	219		358.74	27		<LOD	56		1,827.23	37					
SS-50-SE	06/07/06	286.96	18	323.74	1,463.98	31	1,734.69	45.02	10	41.61	<LOD	49	<LOD	364.47	12	423.93				
SS-50-SE	06/07/06	358.82	17		1,945.11	35		37.27	10		<LOD	45		383.38	11					
SS-50-SE	06/07/06	325.44	18		1,794.97	32		42.55	11		<LOD	44		543.93	13					
CSS-51																	1,500	140	15	4,500
SS-51-NE	06/07/06	158.08	12	140.89	1,078.39	24	929.92	<LOD	19	<LOD	<LOD	45	<LOD	142.87	7	136.15				
SS-51-NE	06/07/06	145.12	12		722.86	19		<LOD	18		<LOD	46		125.68	7					
SS-51-NE	06/07/06	119.49	11		990.70	22		<LOD	18		<LOD	45		139.90	7					
SS-51-NW	06/07/06	526.38	20	381.09	2,175.64	38	1,577.89	58.71	12	60.06	<LOD	47	<LOD	596.68	14	467.64				
SS-51-NW	06/07/06	390.12	18		1,700.80	33		61.23	12		<LOD	48		568.26	15					
SS-51-NW	06/07/06	226.80	18		657.14	26		60.29	10		<LOD	57		237.99	11					
SS-51-SW	06/07/06	4,916.60	96	4,311.89	13,173.14	213	12,035.51	256.90	34	269.07	<LOD	59	<LOD	2,795.57	54	2,840.61				
SS-51-SW	06/07/06	3,654.10	77		10,910.84	178		231.52	31		<LOD	59		2,355.93	46					
SS-51-SW	06/07/06	4,364.96	91		12,022.54	198		318.80	34		<LOD	59		2,779.97	54					

Appendix N
Surficial XRF Results and Corresponding Laboratory Results
Old American Zinc Plant Site, Fairmont City, Illinois

Sample ID	Sample Date	Cu	(+/-)	Cu Avg	Zn	(+/-)	Zn Avg	As	(+/-)	As Avg	Cd	(+/-)	Cd Avg	Pb	(+/-)	Pb Avg	Laboratory Verification Sample Results (mg/kg) Pb	As	Cd	Zn
CSS-52																	8,300	230	110	62,000
SS-52-NE	06/07/06	98.19	12	110.94	485.24	18	692.30	<LOD	35	<LOD	<LOD	46	<LOD	622.13	15	333.50				
SS-52-NE	06/07/06	85.71	10		574.88	18		<LOD	17		<LOD	45		130.57	6					
SS-52-NE	06/07/06	150.92	12		1,016.80	22		<LOD	22		<LOD	44		244.81	9					
SS-52-NW	06/07/06	4,769.90	95	5,501.81	13,079.11	208	15,838.42	479.96	48	445.44	<LOD	59	<LOD	3,752.83	96	6,360.61				
SS-52-NW	06/07/06	5,541.25	114		18,738.72	313		443.61	58		<LOD	64		6,894.83	122					
SS-52-NW	06/07/06	6,194.26	121		16,697.44	258		412.64	52		<LOD	61		6,494.18	112					
SS-52-SW	06/07/06	3,872.19	108	4,104.14	170,301.83	3155	188,754.77	533.52	73	653.06	103.43	25	156.92	8,377.03	172	10,062.13				
SS-52-SW	06/07/06	4,069.14	106		115,485.96	2072		579.60	85		184.54	25		12,540.80	240					
SS-52-SW	06/07/06	4,371.06	125		260,476.53	6734		848.07	101		188.78	33		9,266.75	244					
CSS-53																	4,200	280	280	69,000
SS-53-NE	06/07/06	530.56	21	274.39	2,896.83	49	1,696.77	60.50	8	40.59	<LOD	46	<LOD	184.39	8	117.75				
SS-53-NE	06/07/06	220.90	14		1,494.07	29		20.68	6		<LOD	44		121.77	6					
SS-53-NE	06/07/06	72.61	10		697.45	17		<LOD	14		<LOD	43		67.14	5					
SS-53-NW	06/07/06	1,988.56	56	2,285.13	68,220.34	1046	64,525.28	178.43	43	301.41	249.58	22	298.21	4,400.76	80	4,718.01				
SS-53-NW	06/07/06	2,530.63	64		55,546.58	849		352.54	44		408.38	23		4,871.74	84					
SS-53-NW	06/07/06	2,326.05	62		69,808.92	1063		373.27	46		230.87	22		5,081.52	90					
SS-53-SE	06/07/06	5,089.73	108	4,912.62	50,186.16	612	43,821.02	354.03	34	398.01	132.63	22	129.34	2,317.00	50	2,272.85				
SS-53-SE	06/07/06	4,883.25	100		44,736.18	708		331.48	33		178.62	22		2,291.97	49					
SS-53-SE	06/07/06	5,004.88	105		36,580.73	585		502.53	34		78.76	21		2,208.99	48					
CSS-54																	8,600	240	200	35,000
SS-54-NW	06/07/06	1,812.23	39	1,885.55	24,297.92	310	27,921.23	88.19	19	120.37	203.24	17	194.15	1,255.26	25	1,378.95				
SS-54-NW	06/07/06	1,908.05	45		29,252.89	388		128.93	21		179.04	18		1,382.37	28					
SS-54-NW	06/07/06	2,138.36	48		30,182.88	396		163.99	22		200.17	18		1,499.22	29					
SS-54-SE	06/07/06	5,925.41	102	8,126.31	11,562.40	171	12,235.65	227.34	23	239.75	<LOD	54	<LOD	1,479.49	30	1,551.24				
SS-54-SE	06/07/06	6,286.17	111		13,232.92	200		240.48	25		<LOD	56		1,688.35	34					
SS-54-SE	06/07/06	6,167.35	106		11,911.63	178		251.43	23		<LOD	54		1,505.87	31					
SS-54-SW	06/07/06	1,999.06	46	2,188.24	28,924.63	370	35,922.97	339.48	44	526.98	114.85	18	121.01	6,061.47	92	8,425.41				
SS-54-SW	06/07/06	2,294.63	59		39,913.32	601		645.70	59		128.71	20		8,878.90	140					
SS-54-SW	06/07/06	2,271.04	57		40,930.95	605		595.78	64		119.46	20		10,515.85	164					
SS-54-SW	06/07/06	2,345.35	58	2,342.07	35,888.00	519	36,340.52	278.89	48	491.31	123.50	19	113.26	6,638.91	105	6,556.98				
SS-54-SW	06/07/06	2,299.04	57		34,889.68	515		734.08	58		106.53	19		8,926.34	140					
CSS-55																	11,000	280	180	46,000
SS-55-NW	06/07/06	2,361.63	58		38,245.91	555		481.57	40		109.78	19		4,105.63	70					
SS-55-NW	06/07/06	2,528.65	60	2,175.03	44,236.18	640	38,690.01	375.32	41	370.97	140.00	19	115.96	4,403.46	75	3,927.15				
SS-55-NW	06/07/06	2,680.00	62		43,020.08	624		438.77	41		96.25	19		4,303.74	74					
SS-55-SE	06/07/06	1,316.43	38	1,492.27	28,840.77	370	33,504.02	298.67	30	267.35	112.62	17	139.43	3,074.25	49	3,038.80				
SS-55-SE	06/07/06	1,453.84	40		33,744.14	480		281.63	31		154.09	19		2,859.67	49					
SS-55-SE	06/07/06	1,706.53	44		37,927.16	506		221.75	32		151.57	18		3,182.47	53					
SS-55-SW	06/07/06	2,966.91	74	2,942.96	45,900.39	727	47,846.36	697.86	100	720.98	125.12	21	112.53	23,157.34	371	19,476.17				
SS-55-SW	06/07/06	2,960.01	70		51,333.09	775		812.70	85		116.70	20		17,896.57	275					
SS-55-SW	06/07/06	2,881.97	67		45,703.65	671		652.33	81		95.78	20		17,574.61	264					
CSS-56																	1,400	60	130	27,000
SS-56-NW	06/07/06	1,016.67		800.38	16,055.70		15,109.47	87.40		5.38	183.63		133.89	2,582.69		2,210.96				
SS-56-NW	06/07/06	496.20			16,081.94			-82.19			72.74			2,142.83						
SS-56-NW	06/07/06	286.07			13,190.77			-19.14			145.31			1,907.36						
SS-56-SW	06/07/06	199.05		282.86	8,368.10		9,934.03	15.01		-8.34	182.01		240.03	1,614.84		1,888.93				
SS-56-SW	06/07/06	365.90			10,494.81			-1.28			295.75			1,753.58						
SS-56-SW	06/07/06	263.64			10,939.19			-32.78			242.34			2,298.35						
CSS-57																	1,500	86	140	14,000
SS-57-NW	06/12/06	88.87	9	85.47	1,471.29	25	1,469.28	<LOD	18	<LOD	<LOD	39	<LOD	200.05	7	200.34				
SS-57-NW	06/12/06	77.72	9		1,354.16	24		<LOD	18		<LOD	40		188.50	7					
SS-57-NW	06/12/06	90.07	9		1,562.36	26		<LOD	19		<LOD	39		212.48	7					
SS-57-SE	06/12/06	6,461.04	98	7,054.37	24,172.98	301	26,546.02	92.30	20	91.18	149.89	17	214.77	1,469.27	27	1,560.37				
SS-57-SE	06/12/06	7,506.96	112		28,804.30	357		77.44	22		254.29	18		1,750.10	31					
SS-57-SE	06/12/06	7,194.97	107		26,860.81	332		103.81	20		240.18	17		1,461.74	27					
SS-57-SW	06/12/06	125.67	9	113.14	1,982.95	28	1,866.68	<LOD	22	<LOD	46.81	12	56.64	366.53	9	327.21				
SS-57-SW	06/12/06	113.78	9		1,921.29	28		<LOD	22		62.02	12		331.08	8					
SS-57-SW	06/12/06	99.99	9		1,695.75	26		<LOD	20		61.08	12		283.97	8					
CSS-58																	2,300	20	130	12,000
SS-58-NE	06/12/06	28,175.56		26,604.17	44,104.08		37,723.87	-44.72		-28.46	218.87		152.44	905.38		945.59				
SS-58-NE	06/12/06	28,267.55			38,431.91			-56.36			151.29			884.42						
SS-58-NE	06/12/06	23,369.41			30,636.63			15.65			89.05			1,047.00						
SS-58-NW	06/12/06	231.14		201.86	2,116.63		2,045.90	-7.58		3.23	77.09		51.93	514.76		467.05				
SS-58-NW	06/12/06	176.78			1,971.78			5.80			46.92			480.78						
SS-58-NW	06/12/06	197.65			2,049.30			11.46			29.79			405.80						
SS-58-SE	06/08/06	218.08		199.09	963.19		814.46	9.90		9.79	98.32		47.45	184.42		181.59				
SS-58-SE	06/08/06	177.67			727.11			27.28			107.35			156.86						
SS-58-SE	06/08/06	201.52			753.07			-7.80			-63.33			144.68						
CSS-59																	910	92	16	4,900
SS-59-NW	06/08/06	181.58	13	138.14	742.40	19	627.31	<LOD	38	<LOD	<LOD	45	<LOD	887.55	15	601.92				
SS-59-NW	06/08/06	108.70	11		538.47	18		<LOD	35		<LOD	48		573.39	14					
SS-59-NW	06/08/06	126.15	14		601.07	20		<LOD	40		<LOD	54		584.87	16					
SS-59-SE	06/08/06	6,108.09	101	4,772.22	10,938.02	157	11,598.58	205.45	19	198.98	61.21	17	61.21	1,079.22	24	1,192.51				
SS-59-SE	06/08/06	3,933.61	67		11,122.35	147		174.48	17		<LOD	48		1,049.04	22					
SS-59-SE	06/08/06	4,274.95	75		12,728.37	174		216.93	21		<LOD	50		1,449.28	28					
SS-59-SW	06/08/06	120.37	11	92.64	690.08	18	520.24	22.38	6	22.38	<LOD	44	<LOD	144.53	7	240.38				
SS-59-SW	06/08/06	78.38	10		378.59	13		<LOD	27		<LOD	45		354.43	11					
SS-59-SW	06/08/06	81.18	10		492.04	14		<LOD	21		<LOD	43		222.20	8					
CSS-60																	240	13	10	980
SS-60-NW	06/08/06	154.78	12	172.53	692.06	18	829.87	<LOD	17	<LOD	<LOD	45	<LOD	121.45	6	149.19				
SS-60-NW	06/08/06	208.50	13		1,008.34	22		<LOD	20		<LOD	44		179.10	7					
SS-60-NW	06/08/06	154.32	12		789.20	19		<LOD	18		<LOD	45		147.02	7					
SS-60-SE	06/08/06	126.78	11	134.39	1,189.14	24	1,241.82	<LOD	18	<LOD	<LOD	42	<LOD	140.15	6	159.46				
SS-60-SE	06/08/06	139.71	11		1,263.69	24		<LOD	16		<LOD	42		184.12	7					
SS-60-SE	06/08/06	137.20	12		1,272.64	26		<LOD	20		<LOD	45		165.12	7					
SS-60-SW	06/08/06	56.54	10	69.86	317.60	12	372.78	12.36	4	12.36	<LOD	44	<LOD	44.54	4	55.17				
SS-60-SW	06/08/06	73.85	10		377.13	13		<LOD	14		<LOD	45		64.33	5					
SS-60-SW	06/08/06	79.69	11		423.60	14		<LOD	14		<LOD	46		56.63	5					
CSS-61																	11,000	360	210	69,000
SS-61-NW	06/08/06	3,374.09	64	2,836.12	7,410.44	110	6,708.05	178.30	20	174.29	<LOD	51	<LOD	1,332.45	27	1,177.90				
SS-61-NW	06/08/06	2,050.67	44		6,145.29	91		183.60	18		<LOD	50		1,024.01	22					
SS-61-NW	06/08/06	3,083.59	59		6,562.42	99		180.97	19		<LOD	50		1,177.25	25					
SS-61-SE	06/08/06	4,484.88	104	4,572.23	104,427.54	1730	108,978.48	612.86	67	545.68	444.18	25	447.38	8,739.63	159	8,534.59				
SS-61-SE	06/08/06	4,907.58	115		109,774.23	1862		457.15	68		440.51	26		8,954.10	166					
SS-61-SE	06/08/06	4,344.26	100		108,733.67	1722		567.56	62		457.45	25		7,900.05	141					
SS-61-SW	06/08/06	1,271.58	38	1,373.75	8,333.45	133	8,110.29	504.51	65	438.90	<LOD	57	74.76	12,300.96	181	12,675.63				
SS-61-SW	06/08/06	1,534.11	40		7,386.15	114		373.29	53		<LOD	53		9,189.10	131					
SS-61-SW	06/08/06	1,315.55	39		8,611.26	137		<LOD	221		74.78	19		16,536.82	240					
CSS-62																	800	42	63	4,100
SS-62-NW	06/08/06	336.19	17	313.81	2,884.05	48	2,523.07	34.28	11	49.25	48.24	16	46.24	476.26	13	478.78				
SS-62-NW	06/08/06	293.27	15		2,340.37	40		<LOD	33		<LOD	45		491.57	13					
SS-62-NW	06/08/06	311.97	15		2,344.78	38		64.22	11		<LOD	44		462.46	12					
SS-62-SE	06/08/06	2,056.67	55	1,480.66	25,477.43	400	25,817.47	423.57	46	412.18	786.61	27	973.14	5,038.92	89	7,020.49				
SS-62-SE	06/08/06	1,090.93	32		21,789.86	288		318.15	47		889.78	23		7,947.16	110					
SS-62-SE	06/08/06	1,234.37	35		30,205.12	391		494.82	49		1,263.02	27		8,075.40	112					
SS-62-SW	06/08/06	77.37	10	84.19	1,347.86	26	1,288.35	<LOD	15	<LOD	<LOD	43	<LOD	98.61	6	113.08				
SS-62-SW	06/08/06	81.44	10		1,228.75	25		<LOD	16		<LOD	44		119.28	6					
SS-62-SW	06/08/06	95.77	11		1,268.42	26		<LOD	17		<LOD	45		121.33	6					
CSS-63																	3,500	270	110	21,000
SS-63-NE	06/08/06	6,402.13		6,675.58	18,861.11		17,426.53	223.99		173.56	-56.54		-9.44	1,097.87		1,141.06				
SS-63-NE	06/08/06	6,888.25			16,922.76			120.11			67.21			1,208.16						
SS-63-NE	06/08/06	6,736.37			18,475.73			178.58			-36.99			1,117.25						
SS-63-NW	06/08/06	3,951.88		3,507.80	36,505.07		36,771.44	106.34		88.12	249.84		195.68	2,171.05		2,094.58				
SS-63-NW	06/08/06	3,339.56			36,582.71			57.83			173.75			2,095.20						
SS-63-NW	06/08/06	3,231.98			37,226.54			100.20			163.46			2,017.43						
SS-63-SW	06/08/06	3,116.50		5,630.95	9,050.25		13,413.55	331.37		285.92	35.81		43.89	1,887.39		2,521.60				
SS-63-SW	06/08/06	10,390.46			22,052.67			240.56			-26.84			3,743.79						
SS-63-SW	06/08/06	3,385.93			9,137.72			285.83			122.71			1,833.61						
CSS-64																	790	32	43	1,900

Appendix N
Surficial XRF Results and Corresponding Laboratory Results
Old American Zinc Plant Site, Fairmont City, Illinois

Sample ID	Sample Date	Cu	(+/-)	Cu Avg	Zn	(+/-)	Zn Avg	As	(+/-)	As Avg	Cd	(+/-)	Cd Avg	Pb	(+/-)	Pb Avg	Laboratory Verification Sample Results (mg/kg) Pb	As	Cd	Zn
SS-64-NE	08/09/06	335.73		347.75	11,815.54		11,943.53	6.06		15.36	47.40		76.29	823.22		906.99				
SS-64-NE	08/09/06	327.96			11,554.47			-12.33			123.44			1,013.77						
SS-64-NE	08/09/06	379.55			12,860.59			52.35			58.03			863.97						
SS-64-SE	08/09/06	57.32		57.00	1,237.57		1,160.15	9.46		1.03	96.99		44.77	150.56		144.10				
SS-64-SE	08/09/06	70.82			1,296.97			5.32			-20.48			134.57						
SS-64-SE	08/09/06	42.77			945.91			-11.68			57.79			147.15						
SS-64-SW	08/09/06	416.93		381.12	5,249.89		5,106.34	21.10		24.73	76.50		58.92	568.81		554.33				
SS-64-SW	08/09/06	370.41			5,243.08			26.63			17.73			665.18						
SS-64-SW	08/09/06	356.03			4,826.06			26.47			82.52			429.06						
CSS-65																	3,000	42	120	9,800
SS-65-NW	08/12/06	77.47		110.71	2,914.61		3,960.99	8.64		10.07	124.01		151.31	339.13		358.26				
SS-65-NW	08/12/06	125.03			4,049.51			23.09			142.67			381.66						
SS-65-NW	08/12/06	129.84			4,978.85			-1.51			187.76			378.98						
SS-65-SE	08/12/06	221.94		197.74	2,477.35		2,012.68	17.25		15.39	76.79		62.69	316.86		338.72				
SS-65-SE	08/12/06	173.50			1,638.08			9.17			41.66			353.41						
SS-65-SE	08/12/06	197.79			1,922.64			19.74			69.62			344.58						
SS-65-SW	08/12/06	1,136.53		964.66	5,020.08		4,915.76	38.13		32.55	62.04		81.92	1,283.49		1,331.42				
SS-65-SW	08/12/06	783.26			4,562.43			12.84			87.74			1,366.66						
SS-65-SW	08/12/06	974.19			5,164.77			46.89			35.98			1,344.11						
CSS-66																	810	60	34	5,400
SS-66-NE	08/12/06	1,847.55		1,715.66	4,141.26		4,307.99	38.82		50.85	76.52		124.94	1,299.92		1,211.82				
SS-66-NE	08/12/06	1,475.89			4,990.13			54.10			156.72			1,034.90						
SS-66-NE	08/12/06	1,823.54			3,792.56			59.92			141.58			1,300.65						
SS-66-NW	08/12/06	256.87		245.09	2,089.60		2,190.90	-20.36		0.66	164.66		117.16	349.06		318.24				
SS-66-NW	08/12/06	241.52			2,466.26			20.38			95.35			303.59						
SS-66-NW	08/12/06	236.68			1,996.85			2.62			91.47			302.06						
SS-66-SE	08/09/06	815.63		897.10	4,679.25		5,780.57	14.53		32.88	-15.39		39.20	407.96		423.61				
SS-66-SE	08/09/06	943.73			7,172.15			50.97			72.97			466.22						
SS-66-SE	08/09/06	931.74			5,491.30			33.14			60.07			396.64						
CSS-67																	1,600	110	63	10,000
SS-67-NW	08/09/06	3,217.63		3,089.85	20,480.84		19,899.98	84.67		132.41	249.02		168.43	2,656.06		2,622.01				
SS-67-NW	08/09/06	2,795.12			19,274.83			100.13			83.99			2,580.10						
SS-67-NW	08/09/06	3,256.80			19,944.27			212.23			172.27			2,627.85						
SS-67-SE	08/09/06	403.55		355.17	1,849.03		1,903.43	7.63		19.46	105.27		80.50	302.72		305.54				
SS-67-SE	08/09/06	356.74			2,203.49			19.76			63.94			335.47						
SS-67-SE	08/09/06	303.21			1,657.76			30.99			12.30			278.44						
SS-67-SW	08/09/06	2,990.80		2,689.11	13,874.06		13,974.66	115.35		98.57	100.23		122.24	1,142.48		1,071.85				
SS-67-SW	08/09/06	2,879.85			15,293.40			89.03			143.98			1,089.36						
SS-67-SW	08/09/06	2,196.67			12,756.50			91.33			122.53			964.70						
CSS-68																	2,100	380	71	10,000
SS-68-NW	08/09/06	3,811.54	89	4,233.25	10,392.20	190	9,532.33	383.80	29	415.17	<LOD	64	<LOD	1,505.94	38	1,524.48				
SS-68-NW	08/09/06	4,191.40	98		7,970.55	155		335.78	28		<LOD	68		1,358.23	36					
SS-68-NW	08/09/06	4,696.62	105		10,234.25	189		526.18	33		<LOD	68		1,709.28	41					
SS-68-SE	08/09/06	643.85		1,029.35	4,701.87		5,752.74	18.06		65.48	50.42		90.23	536.19		712.42				
SS-68-SE	08/09/06	1,207.11	30		6,042.87	84		75.07	13		116.05	16		712.12	16					
SS-68-SE	08/09/06	1,661.69	36		8,025.73	106		103.32	17		112.57	16		1,106.20	21					
SS-68-SE	08/09/06	564.73	17		4,240.48	51		<LOD	27		61.89	13		491.16	11					
SS-68-SW	08/09/06	211.70	16	137.66	1,660.06	37	1,203.06	<LOD	20	<LOD	<LOD	54	<LOD	120.91	8	121.44				
SS-68-SW	08/09/06	96.46	13		696.33	21		<LOD	16		<LOD	51		100.95	7					
SS-68-SW	08/09/06	105.42	12		1,250.84	27		<LOD	19		<LOD	47		142.75	7					
CSS-69																	1,800	78	91	5,800
SS-69-NW	08/09/06	154.63	11	166.76	1,689.46	29	1,558.30	<LOD	32	<LOD	<LOD	42	<LOD	552.12	13	563.49				
SS-69-NW	08/09/06	165.97	11		1,591.79	26		<LOD	31		<LOD	40		621.46	13					
SS-69-NW	08/09/06	159.68	12		1,393.84	26		<LOD	30		<LOD	41		518.90	12					
SS-69-SE	08/09/06	309.79	15	312.62	4,342.21	62	3,922.57	<LOD	42	43.61	<LOD	44	49.48	887.92	18	915.66				
SS-69-SE	08/09/06	327.84	15		3,842.44	54		43.61	14		<LOD	43		965.69	18					
SS-69-SE	08/09/06	301.03	14		3,363.05	49		<LOD	39		49.48	14		893.38	17					
SS-69-SW	08/09/06	2,269.94	40	2,103.72	7,895.88	95	7,648.40	206.17	22	175.90	97.05	14	108.84	2,471.46	34	2,426.57				
SS-69-SW	08/09/06	1,833.70	37		7,375.45	91		168.98	22		119.53	14		2,267.14	33					
SS-69-SW	08/09/06	2,091.91	39		7,673.86	94		150.56	23		103.95	14		2,541.10	36					
CSS-70																	1,200	97	32	10,000
SS-70-NE	08/09/06	<LOD	28	#DIV/0!	344.92	12	294.74	<LOD	14	<LOD	<LOD	44	<LOD	77.39	5	68.20				
SS-70-NE	08/09/06	<LOD	24		252.27	10		<LOD	12		<LOD	42		61.91	5					
SS-70-NE	08/09/06	<LOD	25		267.04	11		<LOD	13		<LOD	42		65.29	5					
SS-70-NW	08/09/06	2,510.76	51	2,502.13	4,517.94	72	3,544.17	152.96	25	137.92	<LOD	50	<LOD	2,172.41	37	1,822.46				
SS-70-NW	08/09/06	1,682.58	35		3,032.90	43		122.88	17		<LOD	41		1,520.33	23					
SS-70-NW	08/09/06	3,113.06	51		3,082.07	48		<LOD	57		<LOD	42		1,774.65	28					
SS-70-SW	08/08/06	6,550.70	112	5,784.71	30,222.95	420	27,141.81	109.76	20	116.56	<LOD	55	<LOD	1,095.52	25	1,008.65				
SS-70-SW	08/08/06	4,977.32	89		24,418.07	338		110.08	18		<LOD	53		973.71	23					
SS-70-SW	08/08/06	5,826.10	100		26,784.11	369		129.63	18		<LOD	54		956.72	23					
CSS-71																	1,200	130	64	9,200
SS-71-NW	08/08/06	4,084.57	78	4,225.58	14,452.83	205	14,083.90	112.00	20	165.66	<LOD	54	84.13	1,179.44	26	1,039.65				
SS-71-NW	08/08/06	4,273.43	78		13,726.24	196		215.77	19		<LOD	53		961.63	23					
SS-71-NW	08/08/06	4,318.75	78		14,072.62	197		169.60	18		84.13	17		977.89	22					
SS-71-SE	08/08/06	162.20	12	172.66	4,871.47	62	4,617.79	<LOD	39	72.94	37.73	14	51.79	909.83	17	926.01				
SS-71-SE	08/08/06	161.47	12		4,618.60	60		72.94	13		<LOD	42		846.84	16					
SS-71-SE	08/08/06	194.90	12		4,963.30	63		<LOD	41		45.84	14		1,018.55	18					
SS-71-SW	08/08/06	2,868.96	49	2,978.44	8,385.85	83	8,046.80	82.80	15	86.09	52.35	14	51.86	1,063.66	20	1,015.15				
SS-71-SW	08/08/06	4,082.26	63		7,484.91	95		103.74	16		51.36	15		1,175.49	21					
SS-71-SW	08/08/06	1,938.08	41		4,289.83	65		71.72	15		<LOD	46		806.10	18					
CSS-72																	860	43	18	4,800
SS-72-NW	08/12/06	70.91		83.47	1,570.86		1,691.16	2.93		1.42	-46.98		24.18	91.41		168.74				
SS-72-NW	08/12/06	96.70			1,831.77			-11.45			37.60			300.64						
SS-72-NW	08/12/06	82.81			1,670.73			12.77			81.92			114.18						
SS-72-SE	08/09/06	1,272.03		1,302.92	6,430.23		6,899.51	48.53		29.72	7.59		47.02	550.68		557.38				
SS-72-SE	08/09/06	1,205.68			6,981.73			7.62			51.93			561.73						
SS-72-SE	08/09/06	1,430.56			7,295.56			32.70			81.53			539.73						
SS-72-SW	08/12/06	905.62		1,139.46	6,639.76		6,409.53	5.25		20.20	39.45		39.72	435.81		413.05				
SS-72-SW	08/12/06	1,472.53			6,645.95			45.44			7.41			409.87						
SS-72-SW	08/12/06	1,040.23			5,742.85			9.90			72.30			393.48						
SS-73-NW	08/09/06	157.06		117.77	1,101.12		951.28	19.75		5.54	-57.84		-2.37	133.95		125.56				
SS-73-NW	08/09/06	93.99			887.52			-4.30			10.38			124.02						
SS-73-NW	08/09/06	102.23			865.20			1.18			40.34			119.11						
SS-73-SE-Pest	08/09/06	162.36		170.57	2,900.05		3,575.41	10.62		27.10	89.13		75.49	215.21		238.12				
SS-73-SE-Pest	08/09/06	213.43			4,937.86			24.07			60.53			262.91						
SS-73-SE-Pest	08/09/06	136.91			2,868.31			46.66			76.80			236.23						
CSS-73																	370	16	19	3,200
SS-73-SW	08/09/06	283.96		289.63	2,152.92		2,176.14	7.28		17.23	70.14		68.73	547.91		549.96				
SS-73-SW	08/09/06	280.61			2,202.05			17.96			60.72			585.66						
SS-73-SW	08/09/06	245.22			2,173.46			26.45			75.34			516.30						
CSS-74																	260	11	18	1,300
SS-74-NW	08/09/06	199.44	13	175.94	1,289.46	25	1,245.05	<LOD	22	<LOD	<LOD	43	<LOD	235.97	8	243.78				
SS-74-NW	08/09/06	162.90	12		1,159.89	24		<LOD	22		<LOD	44		242.65	9					
SS-74-NW	08/09/06	165.49	12		1,286.01	26		<LOD	23		<LOD	44		252.73	9					
SS-74-SE	08/09/06	314.46	14	247.31	2,837.68	41	3,090.03	<LOD	24	<LOD	<LOD	41	55.85	319.50	9	354.20				
SS-74-SE	08/09/06	320.11	14		4,111.89	54		<LOD	24		<LOD	41		316.03	9					
SS-74-SE	08/09/06	107.37	10		2,320.51	34		<LOD	26		<LOD	40		427.06	10					
SS-74-SW	08/09/06	126.39	10	114.11	2,468.16	36	2,530.29	<LOD	27	<LOD	<LOD	40	69.91	416.35	10	421.43				
SS-74-SW	08/09/06	101.82	10		2,592.42	38		<LOD	26		69.91	13		424.50	10					
CSS-75																	630	19	26	2,500
SS-75-NE	08/09/06	100.44	10	102.50	1,703.26	28	1,829.45	<LOD	23	<LOD	<LOD	40	44.90	323.86	9	332.65				
SS-75-NE	08/09/06	96.58	10		1,943.58	31		<LOD	25		<LOD	39		380.91	10					
SS-75-NE	08/09/06	110.46	10		1,841.49	29		<LOD	22		44.90	13		293.36	8					
SS-75-NW	08/09/06	74.53	9	66.07	1,086.44	21	1,077.98	<LOD	18	<LOD	<LOD	40	<LOD	143.82	6	149.92				
SS-75-NW	08/09/06	58.40	9		1,096.12	21		<LOD	17		<LOD	39		156.97	6					
SS-75-NW	08/09/06	65.27	9		1,047.39	21		<LOD	17		<LOD	42		148.96	6					
SS-75-SW	08/09/06	45.56	7	48.45	784.50	15	801.10	<LOD	15	<LOD	<LOD	34	<LOD	172.12	6	160.45				
SS-75-SW	08/09/06	39.76	8		783.48	15		<LOD	15		<LOD	35		188.74	6					
SS-75-SW	08/09/06	40.03	7		855.32	15		<LOD	14		<LOD	33		140.50	5					

Appendix N
Waste XRF Results and Corresponding Laboratory Results
Old American Zinc Plant Site, Fairmont City, Illinois

Sample ID	Sample Date	Cu	(+/-)	Cu Avg	Zn	(+/-)	Zn Avg	As	(+/-)	As Avg	Cd	(+/-)	Cd Avg	Pb	(+/-)	Pb Avg	Laboratory Verification Sample Results Pb	As	Cd	Zn
TR-02-0-15-0-2	06/09/06	60.23	9		692.45	16		<LOD	15		<LOD	41		113.05	6					
TR-02-0-15-2-4	06/09/06	58.88	9		746.55	17		11.27	3		<LOD	42		12.43	3					
TR-02-0-15-4-6	06/09/06	26.29	8		1,194.84	23		16.05	4		<LOD	41		37.05	4					
TR-02-105-120-0-2	06/09/06	2,171.98			98,067.59			47.72			127.25			4,275.38						
TR-02-105-120-2-4	06/09/06	1,241.68			85,795.97			-20.08			148.17			2,661.13						
TR-02-105-120-4-6	06/09/06	1,327.71			84,623.94			-32.17			104.98			2,722.73						
TR-02-15-30-0-2	06/09/06	1,284.38	42		63,686.03	925		298.54	26		78.01	19		1,577.11	34					
TR-02-15-30-2-4	06/09/06	30.44	8		1,115.79	20		<LOD	11		<LOD	39		52.60	4					
TR-02-15-30-4-6	06/09/06	27.34	8		124.75	7		<LOD	9		<LOD	39		20.01	3					
TR-02-30-45-0-2	06/09/06	4,356.94	113		153,909.67	2769		<LOD	206		125.07	25		8,373.20	167					
TR-02-60-75-0-2	06/09/06	1,392.44	39		47,195.91	617		87.30	29		79.84	18		2,706.35	46					
TR-02-60-75-2-4	06/09/06	236.59	16		10,607.83	140		<LOD	42		<LOD	47		780.71	18					
TR-02-60-75-4-6	06/09/06	78.27	10		3,423.25	48		23.82	6		<LOD	42		132.61	6					
TR-02-75-90-0-2	06/09/06	2,098.54	50		47,786.48	646		250.48	35		61.68	18		3,625.75	60					
TR-02-75-90-2-4	06/09/06	844.85	25		19,518.68	233		97.06	18		<LOD	48		1,303.21	24					
TR-02-75-90-4-6	06/09/06	1,554.28	39		36,254.11	465		121.06	26		<LOD	50		2,385.54	41					
TR-02-90-105-0-2	06/09/06	2,460.64			57,719.63			25.21			107.90			4,373.02						
TR-02-90-105-2-4	06/09/06	1,714.93			45,993.20			88.00			113.67			3,312.09						
TR-02-90-105-4-6	06/09/06	2,109.93			43,311.93			153.02			137.14			3,061.13						
TR-1-0-15-0-2	06/08/06	6,635.31			174,734.81			-166.06			29.81			2,071.44						
TR-1-0-15-2-4	06/08/06	13.51			1,851.65			0.84			69.85			49.08						
TR-1-0-15-4-6	06/08/06	5.66			1,500.00			3.68			-0.89			21.75						
TR-1-105-120-0-2	06/08/06	5,081.79			241,574.19			-323.51			169.94			3,443.47						
TR-1-105-120-2-4	06/08/06	3,598.07			255,707.50			-436.49			186.76			3,054.67						
TR-1-105-120-4-6	06/08/06	235.22			14,558.63			5.05			-11.35			195.55						
TR-1-120-135-0-2	06/08/06	2,968.75			140,169.30			-103.97			203.11			1,742.96						
TR-1-120-135-2-4	06/08/06	2,931.89			166,068.91			-194.92			114.09			2,360.80						
TR-1-120-135-4-6	06/08/06	41.95			3,261.26			10.10			-159.83			81.35						
TR-1-135-150-0-2	06/08/06	2,173.44			46,988.95			83.63			114.54			2,178.89						
TR-1-135-150-2-4	06/08/06	2,800.85			90,187.13			-125.70			-85.18			1,709.84						
TR-1-135-150-4-6	06/08/06	163.76			3,834.78			24.60			47.07			201.10						
TR-1-15-30-0-2	06/08/06	2,568.17			88,014.95			184.62			93.74			1,931.21						
TR-1-15-30-2-4	06/08/06	1.11			2,251.04			7.59			87.63			33.47						
TR-1-15-30-4-6	06/08/06	94.45			6,496.64			-1.01			-9.56			234.54						
TR-1-30-45-0-2	06/08/06	2,234.51			103,694.40			132.06			87.83			1,665.63						
TR-1-30-45-2-4	06/08/06	217.86			11,718.84			31.13			117.18			228.97						
TR-1-30-45-4-6	06/08/06	36.30			1,148.04			4.50			24.05			33.48						
TR-1-45-60-0-2	06/08/06	3,168.66			92,214.56			131.17			159.01			2,780.76						
TR-1-45-60-2-4	06/08/06	90.99			3,390.12			45.27			92.41			178.43						
TR-1-45-60-4-6	06/08/06	39.84			1,674.01			13.99			-56.09			63.30						
TR-1-60-75-0-2	06/08/06	2,826.06			38,616.80			1,051.30			79.16			5,644.35						
TR-1-60-75-2-4	06/08/06	144.65			2,169.09			119.53			2.17			426.41						
TR-1-60-75-4-6	06/08/06	52.91			1,849.53			10.05			34.49			125.76						
TR-1-75-90-0-2	06/08/06	4,512.70			121,424.05			-37.33			44.93			2,902.15						
TR-1-75-90-2-4	06/08/06	169.02			4,214.71			72.75			25.89			169.24						
TR-1-75-90-4-6	06/08/06	59.59			3,019.11			34.11			40.54			81.61						
TR-1-90-105-0-2	06/08/06	4,819.50			179,949.28			-18.56			158.89			5,232.56						
TR-1-90-105-2-4	06/08/06	708.72			24,981.64			144.32			101.66			1,072.61						
TR-1-90-105-4-6	06/08/06	11.36			1,726.78			6.14			-23.26			20.31						
TR-2-135-150-0-2	06/09/06	2,609.84			78,080.13			-132.59			117.00			4,949.67						
TR-2-135-150-2-4	06/09/06	1,666.81			63,732.12			34.10			106.78			3,283.20						
TR-2-135-150-4-6	06/09/06	1,414.85			54,736.96			-58.88			146.37			2,627.50						
TR-2-150-165-0-2	06/09/06	1,630.07			44,977.48			38.39			80.18			2,934.11						
TR-2-150-165-2-4	06/09/06	1,144.86			43,781.39			94.70			187.02			3,412.54						
TR-2-150-165-4-6	06/09/06	53.16			2,212.00			23.87			16.67			124.06						
TR-2-165-180-0-2	06/09/06	1,220.68			44,983.77			39.36			34.67			2,315.06						
TR-2-165-180-2-4	06/09/06	1,541.85			46,632.44			1.56			-52.24			2,713.98						
TR-2-165-180-4-6	06/09/06	4.34			184.94			0.14			18.83			38.83						
TR-2-180-195-0-2	06/09/06	1,625.94			69,113.43			18.98			108.98			2,669.85						
TR-2-180-195-2-4	06/09/06	74.23			3,642.73			14.20			56.28			177.48						
TR-2-180-195-4-6	06/09/06	59.29			1,792.44			1.09			84.29			171.37						
TR-2-195-200-0-2	06/09/06	2,437.75			93,593.55			-80.84			195.74			3,605.45						
TR-2-195-200-2-4	06/09/06	788.50			28,583.52			44.38			82.24			1,155.32						
TR-2-195-200-4-6	06/09/06	35.12			581.77			-8.00			57.44			48.56						
TR-3-0-15-0-2	06/07/06	125.34	11		3,580.32	51		33.52	8		<LOD	42		270.18	9					
TR-3-0-15-2-4	06/07/06	100.65	9		1,746.26	27		<LOD	27		<LOD	38		459.96	10					
TR-3-0-15-4-6	06/07/06	121.24	11		3,020.25	46		50.71	9		<LOD	44		389.68	11					
TR-3-105-120-0-2	06/07/06	915.75	29		10,832.88	149		178.01	21		<LOD	48		1,479.29	28					
TR-3-105-120-2-4	06/07/06	52.79	9		967.50	20		12.37	4		<LOD	41		51.95	4					
TR-3-105-120-4-6	06/07/06	244.66	12		3,449.31	44		53.22	8		<LOD	38		372.91	9					
TR-3-120-135-0-2	06/07/06	595.74	21		10,491.38	128		153.23	18		<LOD	43		1,329.56	23					
TR-3-120-135-2-4	06/07/06	345.01	16		10,497.25	126		52.95	11		<LOD	44		524.47	13					
TR-3-120-135-4-6	06/07/06	80.30	10		5,113.59	67		56.37	10		<LOD	43		480.71	12					
TR-3-135-150-0-2	06/07/06	383.86	15		3,501.88	47		62.16	12		<LOD	39		754.55	15					
TR-3-135-150-2-4	06/07/06	214.18	13		6,479.57	81		35.53	10		111.73	15		421.46	11					
TR-3-135-150-4-6	06/07/06	<LOD	24		626.01	17		24.56	4		<LOD	38		37.53	4					
TR-3-15-30-0-2	06/07/06	1,498.42	37		27,939.23	351		235.42	39		<LOD	49		5,511.28	78					
TR-3-15-30-2-4	06/07/06	43.03	11		978.85	24		<LOD	11		<LOD	51		25.99	4					
TR-3-15-30-4-6	06/07/06	57.54	10		1,295.27	26		28.80	6		<LOD	43		132.49	6					
TR-3-30-45-0-2	06/07/06	3,214.75	71		22,691.17	344		511.64	72		<LOD	58		13,723.58	210					
TR-3-30-45-2-4	06/07/06	36.38	8		1,443.68	24		11.00	4		<LOD	38		49.34	4					
TR-3-30-45-4-6	06/07/06	96.01	9		2,072.84	31		36.02	6		<LOD	39		177.71	7					
TR-3-45-60-0-2	06/07/06	461.70	18		9,959.21	117		114.47	16		<LOD	42		1,233.27	21					
TR-3-45-60-2-4	06/07/06	51.23	8		783.84	16		<LOD	8		<LOD	39		18.21	3					
TR-3-45-60-4-6	06/07/06	<LOD	22		957.33	18		<LOD	8		<LOD	38		16.18	3					
TR-3-60-75-0-2	06/07/06	484.15	19		10,572.45	131		159.05	15		<LOD	45		930.89	19					
TR-3-60-75-2-4	06/07/06	37.20	8		550.76	13		<LOD	8		<LOD	39		23.02	3					
TR-3-60-75-4-6	06/07/06	<LOD	22		359.11	11		<LOD	8		<LOD	38		18.50	3					
TR-3-75-90-0-2	06/07/06	426.26	19		7,161.31	95		167.03	19		<LOD	45		1,477.14	26					
TR-3-75-90-2-4	06/07/06	39.22	11		1,827.57	37		24.62	7		<LOD	50		151.70	8					
TR-3-75-90-4-6	06/07/06	317.68	15		8,892.39	84		113.55	12		<LOD	42		593.32	13					
TR-3-90-105-0-2	06/07/06	741.03	25		21,950.17	265		111.74	17		48.22	16		1,149.93	22					
TR-3-90-105-2-4	06/07/06	73.27	13		4,505.69	77		<LOD	13		<LOD	54		26.08	5					
TR-4-0-15-0-2	06/07/06	5,379.77	100		43,969.87	624		236.09	27		<LOD	58		1,863.82	38					
TR-4-105-120-0-2	06/07/06	5,190.94	104		71,536.95	1064		412.82	46		294.88	22		5,069.40	88					
TR-4-120-135-0-2	06/07/06	1,367.85	35		26,471.99	327		235.51	21		401.63	18		1,502.48	27					
TR-4-120-135-2-4	06/07/06	2,731.92	56		38,923.30	529		409.01	36		260.62	19		3,973.95	63					
TR-4-120-135-4-6	06/07/06	62.41	9		2,772.00	37		74.31	8		<LOD	38		306.74	8					
TR-4-135-150-0-2	06/07/06	4,187.50	89		70,816.09	1062		674.87	63		337.90	22		9,381.30	152					
TR-4-135-150-2-4	06/07/06	3,672.11	79		62,392.27	913		482.76	58		289.97	21		8,769.74	140					
TR-4-135-150-4-6	06/07/06	1,840.23	48		38,126.87	535		312.97	53		567.24	23		8,191.98	124					
TR-4-15-30-0-2	06/07/06	3,630.00	96		113,326.13	1993		5,589.75	137		1,311.58	38		13,167.02	246					
TR-4-15-30-4-6	06/07/06	941.44	25		5,348.35	71		2,151.01	33		313.89	18		874.46	18					
TR-4-15-30-4-6	06/07/06	1,270.75	38		26,794.17	355		2,208.48	44		602.77	21		2,118.39	38					
TR-4-30-45-0-2	06/07/06	5,970.94	108		40,778.53	578		682.71	39		166.21	19		3,692.57	63					
TR-4-30-45-2-4	06/07/06	1,940.30	45		14,272.72	196		3,903.39	63		447.52	20		2,681.63	45					
TR-4-30-45-4-6	06/07/06	1,381.92	32		8,078.63	105		2,896.67	43		235.98	18		1,385.79	25					
TR-4-45-60-0-2	06/07/06	1,384.16	32		17,523.85	202		186.78	26		77.85	14		3,173.97	44					

Appendix N
Waste XRF Results and Corresponding Laboratory Results
Old American Zinc Plant Site, Fairmont City, Illinois

Sample ID	Sample Date	Cu	(+/-)	Cu Avg	Zn	(+/-)	Zn Avg	As	(+/-)	As Avg	Cd	(+/-)	Cd Avg	Pb	(+/-)	Pb Avg	Laboratory Verification Sample Results Pb	As	Cd	Zn
TR-4-60-7-0-2	06/07/06	2,436.82	51		28,181.38	385		235.28	31		74.08	17		3,376.89	53					
TR-4-75-95-0-2	06/07/06	3,503.97	69		32,022.67	434		186.88	32		68.34	18		3,106.44	52					
TR-4-90-105-0-2	06/07/06	3,220.84	70		21,253.13	319		213.02	27		<LOD	57		1,833.98	39					
TR-5-0'-15'-0'-2'	06/05/06	<LOD	1364		16,284.40	770		886.40	300		NA			14,592.00	600					
TR-5-0'-15'-0'-2'	06/05/06	NA			NA			NA			<LOD	77		NA						
TR-5-0'-15'-2'-4'	06/05/06	NA			NA			NA			<LOD	80		NA						
TR-5-0'-15'-2'-4'	06/05/06	<LOD	1304		6,745.60	500		<LOD	390		NA			9,017.60	440					
TR-5-0'-15'-4'-6'	06/05/06	205.80	110		1,000.00	82		208.80	87		NA			3,259.20	120					
TR-5-0'-15'-4'-6'	06/05/06	NA			NA			NA			<LOD	47		NA						
TR-5-105-120-0-2	06/05/06				10,146.00	128		181.00	32		<LOD	45		4,530.00	61					
TR-5-105-120-2-4	06/05/06				7,663.00	115		238.00	45		<LOD	51		6,887.00	99					
TR-5-105-120-4-6	06/05/06				4,659.00	87		<LOD	113		98.00	15		6,334.00	82					
TR-5-120-135-0-2	06/05/06				13,646.00	168		<LOD	84		<LOD	44		3,551.00	49					
TR-5-120-135-2-4	06/05/06				10,387.00	142		402.00	44		<LOD	50		7,177.00	97					
TR-5-120-135-4-6	06/05/06				3,108.00	44		<LOD	50		<LOD	41		1,545.00	24					
TR-5-135-150-0-2	06/05/06				23,683.00	312		189.00	30		<LOD	51		3,118.00	50					
TR-5-135-150-2-4	06/05/06				8,910.00	118		110.00	34		<LOD	47		5,058.00	68					
TR-5-135-150-4-6	06/05/06				13,458.00	179		<LOD	49		<LOD	49		7,110.00	97					
TR-5-15'-30'-0'-2'	06/05/06	NA			NA			NA			<LOD	44		NA						
TR-5-15'-30'-0'-2'	06/05/06	<LOD	1410		5,977.60	510		1,569.60	520		NA			37,888.00	1500					
TR-5-15'-30'-2'-4'	06/05/06	<LOD	930		3,089.60	310		443.20	210		NA			8,008.40	350					
TR-5-15'-30'-2'-4'	06/05/06	NA			NA			NA			<LOD	91		NA						
TR-5-15'-30'-4'-6'	06/05/06	NA			NA			NA			<LOD	57		NA						
TR-5-15'-30'-4'-6'	06/05/06	330.80	110		2,259.20	90		252.20	69		NA			3,600.00	93					
TR-5-30-40-0-2	06/05/06				4,700.00	79		268.00	60		<LOD	53		11,748.00	167					
TR-5-30-45-2-4	06/05/06				6,423.00	96		348.00	42		<LOD	50		8,114.00	87					
TR-5-30-45-4-6	06/05/06				2,269.00	38		97.00	27		<LOD	44		3,516.00	48					
TR-5-45-60-0-2	06/05/06				8,995.00	159		699.00	89		<LOD	61		18,618.00	300					
TR-5-45-60-2-4	06/05/06				5,682.00	76		415.00	43		<LOD	43		8,327.00	100					
TR-5-45-60-4-6	06/05/06				768.00	18		<LOD	89		<LOD	43		2,811.00	38					
TR-5-60-75-0-2	06/05/06				9,678.00	150		560.00	79		<LOD	54		18,612.00	264					
TR-5-60-75-2-4	06/05/06				9,182.00	150		646.00	87		<LOD	57		25,852.00	380					
TR-5-60-75-2-4	06/05/06				11,852.00	198		494.00	88		<LOD	61		19,460.00	304					
TR-5-60-75-4-6	06/05/06				2,135.00	39		331.00	54		<LOD	46		11,952.00	150					
TR-5-60-75-4-6	06/05/06				8,872.00	190		1,186.00	112		<LOD	76		20,117.00	395					
TR-5-75-90-0-2	06/05/06				11,589.00	250		841.00	159		<LOD	77		39,312.00	775					
TR-5-90-105-0-2	06/05/06				35,331.00	629		631.00	126		<LOD	68		30,742.00	343					
TR-5-90-105-2-4	06/05/06				7,715.00	100		303.00	39		234.00	16		6,728.00	85					
TR-5-90-105-4-6	06/05/06				2,948.00	49		119.00	20		<LOD	48		1,464.00	27					
TR-6-0-15-0-2	06/06/06	1,285.77	38		48,340.13	652		124.27	29		177.89	19		2,538.77	45					
TR-6-0-15-2-4	06/06/06	1,810.11	60		123,097.38	2003		<LOD	90		124.95	23		1,816.41	43					
TR-6-0-15-4-6	06/06/06	574.32	21		28,878.85	328		<LOD	44		228.87	18		947.04	19					
TR-6-120-135-0-2	06/06/06	825.82	32		45,417.91	632		283.98	34		176.43	19		3,335.21	57					
TR-6-120-135-2-4	06/06/06				13,601.00	242		70.00	16		291.00	17		990.00	20					
TR-6-120-135-4-6	06/06/06				>10%	2777		474.00	129		859.00	35		26,104.00	515					
TR-6-135-150-0-2	06/06/06				22,370.00	278		140.00	24		271.00	17		2,235.00	37					
TR-6-135-150-2-4	06/06/06				12,672.00	148		74.00	11		357.00	16		515.00	13					
TR-6-135-150-4-6	06/06/06				6,400.00	90		85.00	12		56.00	16		538.00	14					
TR-6-15-30-0-2	06/06/06	622.27	24		20,441.18	280		51.86	14		68.17	17		757.54	18					
TR-6-15-30-2-4	06/06/06	623.40	25		36,855.18	483		67.49	16		205.64	18		909.89	20					
TR-6-15-30-4-6	06/06/06	284.85	18		18,883.95	225		40.28	12		239.98	17		558.76	14					
TR-6-30-45-0-2	06/06/06	947.99	29		20,283.18	257		118.24	21		<LOD	49		1,850.80	30					
TR-6-30-45-2-4	06/06/06	2,086.62	104		320,109.88	7707		<LOD	277		320.83	35		8,793.19	234					
TR-6-30-45-4-6	06/06/06	1,272.38	78		301,321.34	6771		<LOD	198		4,099.83	106		5,091.30	134					
TR-6-45-60-0-2	06/06/06	1,273.23	38		53,173.67	710		128.13	18		163.73	18		934.93	22					
TR-6-45-60-2-4	06/06/06	619.06	23		15,536.08	198		68.02	14		69.59	18		685.23	16					
TR-6-45-60-4-6	06/06/06	377.79	18		14,595.42	188		52.05	10		426.58	18		355.73	11					
TR-6-60-75-0-2	06/06/06	5,105.28	122		150,516.52	2604		213.38	42		368.30	26		3,153.47	70					
TR-6-75-90-0-2	06/06/06	5,808.22	124		100,862.32	1830		259.92	33		399.27	24		2,105.48	48					
TR-6-90-105-0-2	06/06/06	2,134.66	73		159,878.88	2859		151.49	31		567.06	29		1,552.88	43					
TR-6-90-105-2-4	06/06/06	1,066.57	37		69,216.33	954		80.51	18		1,307.42	30		925.01	23					
TR-6-90-105-4-6	06/06/06	32.46	8		2,572.61	35		<LOD	10		254.14	14		37.11	4					
TR-7-0-15-0-2	06/06/06				15,094.00	238		551.00	52		72.00	19		6,972.00	114					
TR-7-105-120-0-2	06/06/06	2,007.27	43		13,385.99	175		201.22	30		602.67	20		3,304.19	50					
TR-7-120-135-0-2	06/06/06	2,115.38	42		10,528.56	134		140.93	22		1,434.96	26		2,015.82	32					
TR-7-120-135-2-4	06/06/06	1,719.55	44		13,941.48	204		136.63	24		17,938.49	244		1,654.30	33					
TR-7-120-135-4-6	06/06/06	197.98	15		1,773.14	36		29.27	9		21,598.23	270		244.53	10					
TR-7-135-150-0-2	06/06/06	2,108.32	50		19,868.49	280		131.03	23		13,480.33	184		1,501.99	31					
TR-7-135-150-2-4	06/06/06	1,013.90	27		11,938.59	145		<LOD	50		1,513.95	26		1,245.14	22					
TR-7-135-150-4-6	06/06/06	190.84	14		3,680.08	55		29.52	8		279.37	16		234.02	9					
TR-7-15-30-0-2	06/06/06				14,092.00	204		345.00	27		602.00	22		1,990.00	38					
TR-7-30-45-0-2	06/06/06				20,058.00	253		193.00	21		446.00	18		1,599.00	29					
TR-7-30-45-4-6	06/06/06				3,369.00	44		14.00	4		323.00	14		52.00	4					
TR-7-30-45-4-6	06/06/06				12,881.00	156		45.00	13		760.00	20		742.00	16					
TR-7-45-60-0-2	06/06/06				40,210.00	600		249.00	37		857.00	26		3,467.00	63					
TR-7-45-60-2-4	06/06/06	2,285.61	53		33,932.78	469		128.05	39		2,477.75	43		4,851.35	74					
TR-7-45-60-4-6	06/06/06	297.06	13		7,481.41	83		31.24	9		209.69	13		478.77	11					
TR-7-60-75-0-2	06/06/06	2,882.94	53		14,430.33	192		183.47	21		326.85	18		1,549.41	29					
TR-7-60-75-2-4	06/06/06	324.82	14		6,457.92	72		54.59	9		216.86	13		422.35	10					
TR-7-60-75-4-6	06/06/06	73.30	9		4,934.99	60		<LOD	23		103.59	14		349.71	9					
TR-7-70-3.5	06/06/06	105.83	10		10,218.44	106		<LOD	27		380.88	14		508.25	11					
TR-7-75-90-0-2	06/06/06	846.01	30		37,630.32	494		<LOD	79		285.90	19		2,384.89	41					
TR-7-75-90-2-4	06/06/06	531.36	20		15,417.53	185		55.32	14		181.24	18		780.52	17					
TR-7-75-90-4-6	06/06/06	137.92	12		4,098.21	56		<LOD	21		42.85	14		215.27	8					
TR-7-90-105-0-2	06/06/06	1,630.38	39		6,576.52	98		117.03	14		<LOD	50		629.55	16					
TR-7-foundry sand	06/06/06				195.00	8		<LOD	9		6,324.00	67		24.00	4					
TR-7-foundry sand	06/06/06				741.00	18		<LOD	15		1,043.00	114		80.00	5					
TR-7-foundry sand	06/06/06				260.00	10		<LOD	12		6,326.00	89		45.00	4					
W-001-TR-5-2-4	06/05/06				32,255.00	1535		26,841.00	1737		1,781.00	116		>10%	20883					
W-001-TR-5-2-4	06/05/06	1,944.57	172		21,708.28	925		20,798.74	1291		1,385.90	87		367,851.41	14769					
W-001-TR-5-2-4	06/05/06	3,351.19	233		20,691.41	914		23,445.88	1431		1,306.27	87		392,325.38	16284					
W-002-TR-6-90-2	06/09/06	1,100.53	97		453,198.00	11773		<LOD	115		645.49	44		1,185.87	51					
W-002-TR-6-90-2	06/09/06	859.68	88		424,460.47	10828		<LOD	101		1,202.98	53		914.55	43					
W-002-TR-6-90-2	06/09/06	847.56	56		206,603.78	3979		70.62	22		500.01	32		601.72	25					
W-002-TR-6-90-2	06/08/06	-805.81			274,219.94			-739.84			627.80			1,147.36						
W-002-TR-6-90-2	06/08/06	-1,031.34			332,232.44			-681.43			924.32			1,842.73						
W-002-TR-6-90-2	06/08/06	-1,845.42			833,726.83			-1,693.04			1,368.87			1,788.78						
W-005-TR-7-75-5	06/06/06				6,417.00	81		125.00	14		58.00	5		807.00	16					
W-005-TR-7-75-5	06/06/06				6,530.00	82		96.00	14		<LOD	43		956.00	18					
W-005-TR-7-75-5	06/06/06				6,216.00	79		115.00	12		151.00	15		587.00	13					
W-006-TR-7-115 trough sludge	06/06/06				11,265.00	246		<LOD	95		67,231.00	1310		1,331.00	43					
W-006-TR-7-115 trough sludge	06/06/06				8,644.00	218		93.00	29		90,430.00	420		775.00	35					
W-006-TR-7-115 trough sludge	06/06/06				9,940.00	242		130.00	32		85,176.00	1821		1,022.00	40					
W-007-TR-7-30-0.5	06/06/06				7,614.00	123		423.00	25		64.00	19		1,480.00	31					
W-007-TR-7-30-0.5	06/06/06				8,180.00	120		<LOD	105		132.00	18		4,299.00	66					
W-012-TR2-138-Drum-1	06/08/06	5.05			200.58			1.62			57.32			4.85			50	3	6.7	510
W-012-TR2-138-Drum-1	06/08/06	15.84			161.35			4.16			92.58			5.68						
W-012-TR2-138-Drum-1	06/08/06	23.29			1,323.55			0.49			61.97			74.42						

Appendix N
Waste XRF Results and Corresponding Laboratory Results
Old American Zinc Plant Site, Fairmont City, Illinois

																	Laboratory Verification Sample Results			
Sample ID	Sample Date	Cu	(+/-)	Cu Avg	Zn	(+/-)	Zn Avg	As	(+/-)	As Avg	Cd	(+/-)	Cd Avg	Pb	(+/-)	Pb Avg	Pb	As	Cd	Zn
W-013-TR2-138-Drum-2	06/08/06	6.09			91.02			-4.87			50.68			7.00			50	3	6.7	510
W-013-TR2-138-Drum-2	06/08/06	27.33			91.05			4.82			69.56			-2.43						
W-013-TR2-138-Drum-2	06/08/06	27.58			82.78			-0.97			20.57			-5.57						
W013-TR-2-150-4-6	06/09/06	40.55			492.98			-6.01			47.63			97.77			39	0.71 B	3.9	460
W013-TR-2-150-4-6	06/09/06	18.61			514.75			5.82			22.01			48.62						
W013-TR-2-150-4-6	06/09/06	10.98			558.78			1.74			53.13			48.76						
W-10-TR-1-120-4	06/08/06																			
W-10-TR-1-120-4	06/08/06	191.12			10,326.59			42.56			63.68			482.34						
W-10-TR-1-120-4	06/08/06	48.60			3,587.27			43.39			-50.55			231.23						
WW-009-TR7	06/07/06	50.78	7		3,047.11	34		85.69	11		630.26	13		909.07	13					

Appendix N
Subsurface Soil XRF Results and Corresponding Laboratory Results
Old American Zinc Plant Site, Fairmont City, Illinois

																	Laboratory Verification Sample Results (mg/kg)			
Sample ID	Sample Date	Cu	(+/-)	Cu Avg	Zn	(+/-)	Zn Avg	As	(+/-)	As Avg	Cd	(+/-)	Cd Avg	Pb	(+/-)	Pb Avg	Pb	As	Cd	Zn
MW-01-0.5	06/19/06	4,114.56	245		<LOD	143		<LOD	83		<LOD	126		403.73	40					
MW-01-1.0	06/19/06	3,863.61	226		<LOD	128		<LOD	75		<LOD	117		322.38	35					
MW-01-2.0	06/19/06	4,067.80	248		<LOD	141		<LOD	83		<LOD	130		355.62	39					
MW-01-3.0	06/19/06	3,691.55	228		<LOD	138		<LOD	76		<LOD	121		325.77	36					
MW-01-4.0	06/19/06	4,375.38	250		<LOD	141		<LOD	79		<LOD	125		341.24	38					
MW-01-5.0	06/19/06	3,622.32	223		<LOD	135		<LOD	72		<LOD	117		272.88	34					
MW-01-6.0	06/19/06	4,295.28	260		<LOD	153		<LOD	84		<LOD	134		393.39	41		14	6.7	<0.26 U	120
MW-01-7.0	06/19/06	3,874.67	231		<LOD	134		<LOD	75		<LOD	120		283.22	35					
MW-01-8.0	06/19/06	3,754.57	228		<LOD	140		<LOD	73		<LOD	119		274.95	34					
MW-01-9.0	06/19/06	3,841.15	221		<LOD	135		<LOD	74		<LOD	118		323.67	35					
MW-01-10.0	06/19/06	3,946.21	242		<LOD	146		<LOD	79		<LOD	124		330.66	38					
MW-01-11.0	06/19/06	3,708.39	225		<LOD	128		<LOD	74		<LOD	120		337.91	36					
MW-01-12.0	06/19/06	4,019.19	232		<LOD	129		<LOD	70		<LOD	120		271.41	34					
MW-01-13.0	06/19/06	4,022.02	239		<LOD	138		<LOD	80		<LOD	122		402.08	39					
MW-01-14.0	06/19/06	3,915.47	234		<LOD	142		<LOD	74		<LOD	118		308.23	36		5.5	4.2	<0.23 U	26
MW-01-15.0	06/19/06	3,690.07	242		<LOD	145		<LOD	82		<LOD	132		350.69	39					
MW-01-16.0	06/19/06	3,875.45	230		<LOD	133		<LOD	75		<LOD	118		313.53	36					
MW-02-0.5	06/15/06	187.41	12		3,472.84	48		47.44	11		<LOD	42		640.79	14					
MW-02-1.0	06/15/06	38.62	10		1,252.25	27		<LOD	16		<LOD	47		78.32	6					
MW-02-2.0	06/15/06	45.73	9		1,709.97	29		21.31	4		<LOD	42		53.31	4					
MW-02-3.0	06/15/06	32.43	8		1,225.47	23		16.88	3		48.23	14		30.69	4		15	6.4	38	1,200
MW-02-4.0	06/15/06	<LOD	24		650.39	16		8.73	3		<LOD	41		9.61	3					
MW-02-5.0	06/15/06	<LOD	23		641.39	15		<LOD	9		<LOD	40		16.47	3					
MW-02-6.0	06/15/06	<LOD	24		491.37	14		<LOD	9		<LOD	43		16.35	3					
MW-02-7.0	06/15/06	<LOD	22		602.93	15		<LOD	8		<LOD	40		19.36	3					
MW-02-8.0	06/15/06	<LOD	24		71.89	6		<LOD	9		<LOD	45		9.77	3					
MW-02-9.0	06/15/06	<LOD	22		340.23	11		<LOD	9		<LOD	39		20.92	3					
MW-02-10.0	06/15/06	<LOD	22		40.70	5		<LOD	8		<LOD	41		<LOD	9					
MW-02-11.0	06/15/06	<LOD	22		46.09	5		<LOD	7		<LOD	40		8.95	3					
MW-02-12.0	06/15/06	<LOD	22		41.29	5		<LOD	8		<LOD	38		15.47	3		5.5	4.1	0.086 B	29
MW-02-13.0	06/15/06	<LOD	21		52.65	5		<LOD	8		<LOD	39		12.75	3					
MW-02-14.0	06/15/06	<LOD	22		48.46	5		<LOD	8		<LOD	38		13.91	3					
MW-02-15.0	06/15/06	<LOD	20		37.78	4		<LOD	7		<LOD	38		9.33	3					
MW-02-16.0	06/15/06	<LOD	20		31.01	4		<LOD	7		<LOD	37		<LOD	8					
MW-03-0.5	06/15/06	NA			NA			NA			<LOD	50		NA						
MW-03-0.5	06/15/06	3,240.00	390		21,696.00	570		476.80	130		NA			5,120.00	170					
MW-03-1.0	06/15/06	NA			NA			NA			64.00	35		NA						
MW-03-1.0	06/15/06	6,796.80	360		23,193.60	470		662.40	130		NA			8,204.80	190					
MW-03-2.0	06/15/06	NA			NA			NA			<LOD	42		NA						
MW-03-2.0	06/15/06	2,419.20	310		34,278.40	550		<LOD	96		NA			2,529.60	78					
MW-03-3.0	06/15/06	NA			NA			NA			<LOD	40		NA						
MW-03-3.0	06/15/06	1,069.60	270		27,289.60	460		<LOD	80		NA			1,769.60	64					
MW-03-4.0	06/15/06	NA			NA			NA			42.70	28		NA						
MW-03-4.0	06/15/06	652.80	280		31,795.20	510		<LOD	82		NA			1,868.80	65					
MW-03-5.0	06/15/06	NA			NA			NA			<LOD	32		NA						
MW-03-5.0	06/15/06	1,939.20	170		14,195.20	230		68.20	40		NA			1,489.60	47					
MW-03-6.0	06/15/06	NA			NA			NA			53.10	23		NA						
MW-03-6.0	06/15/06	153.60	87		2,889.60	93		<LOD	16		NA			25.90	11					
MW-03-7.0	06/15/06	NA			NA			NA			33.00	21		NA			15	5.4	0.83	4,700
MW-03-7.0	06/15/06	142.40	93		3,228.80	100		<LOD	17		NA			<LOD	15					
MW-03-8.0	06/15/06	NA			NA			NA			<LOD	25		NA						
MW-03-8.0	06/15/06	240.40	83		1,779.20	79		<LOD	17		NA			<LOD	14					
MW-03-9.0	06/15/06	NA			NA			NA			69.50	28		NA						
MW-03-9.0	06/15/06	182.30	79		1,580.00	74		<LOD	16		NA			<LOD	15					
MW-03-10.0	06/15/06	NA			NA			NA			45.50	22		NA						
MW-03-10.0	06/15/06	235.60	98		3,808.00	110		<LOD	16		NA			<LOD	15					
MW-03-11.0	06/15/06	NA			NA			NA			<LOD	28		NA						
MW-03-11.0	06/15/06	304.40	88		3,240.00	94		<LOD	15		NA			<LOD	13					
MW-03-12.0	06/15/06	NA			NA			NA			<LOD	29		NA						
MW-03-12.0	06/15/06	<LOD	126		3,520.00	94		<LOD	13		NA			<LOD	12					
MW-03-13.0	06/15/06	NA			NA			NA			<LOD	29		NA						
MW-03-13.0	06/15/06	989.60	110		3,347.20	110		<LOD	18		NA			<LOD	14					
MW-03-14.0	06/15/06	NA			NA			NA			<LOD	22		NA			9.1	6.9	30	5,300
MW-03-14.0	06/15/06	207.00	89		3,449.60	98		<LOD	15		NA			14.90	10					
MW-03-15.0	06/15/06	NA			NA			NA			<LOD	30		NA						
MW-03-15.0	06/15/06	749.60	110		3,369.60	110		<LOD	19		NA			<LOD	15					
MW-03-16.0	06/15/06	NA			NA			NA			71.00	22		NA						
MW-03-16.0	06/15/06	426.40	130		7,718.40	160		<LOD	16		NA			<LOD	14					
MW-04-0.5	06/15/06	1,585.39	41		24,645.23	334		<LOD	109		140.69	18		4,560.75	71					
MW-04-1.0	06/15/06	1,993.39	45		30,730.63	394		<LOD	116		120.02	17		5,482.61	79					
MW-04-2.0	06/15/06	110.40	11		3,923.21	54		27.56	7		108.88	14		180.07	7		580	14	87	5,100
MW-04-3.0	06/15/06	<LOD	24		1,739.95	29		<LOD	10		<LOD	41		25.71	4					
MW-04-4.0	06/15/06	<LOD	25		823.23	19		11.37	4		<LOD	43		31.10	4					
MW-04-5.0	06/15/06	<LOD	24		282.43	10		9.39	3		<LOD	41		11.03	3					
MW-04-6.0	06/15/06	<LOD	24		339.43	11		<LOD	8		<LOD	41		11.20	3					
MW-04-7.0	06/15/06	<LOD	22		293.41	10		<LOD	8		<LOD	38		13.28	3					
MW-04-8.0	06/15/06	<LOD	21		387.83	11		<LOD	8		<LOD	38		13.85	3					
MW-04-9.0	06/15/06	<LOD	22		436.80	12		<LOD	7		<LOD	38		14.01	3		8.9	5.8	0.37	560
MW-04-10.0	06/15/06	<LOD	21		290.20	10		<LOD	8		<LOD	38		20.57	3					
MW-04-11.0	06/15/06	<LOD	23		314.01	10		<LOD	8		<LOD	40		11.97	3					
MW-04-12.0	06/15/06	<LOD	22		128.69	7		<LOD	8		<LOD	39		17.83	3					
MW-04-13.0	06/15/06	<LOD	21		136.44	7		<LOD	7		<LOD	38		12.75	3					
MW-04-14.0	06/15/06	<LOD	22		83.46	6		<LOD	8		<LOD	39		16.83	3					
MW-04-15.0	06/15/06	<LOD	20		50.88	5		<LOD	7		<LOD	37		13.11	3					
MW-04-16.0	06/15/06	<LOD	21		225.28	8		<LOD	7		<LOD	38		13.13	3					
MW-05-0.5	06/15/06	NA			NA			NA			<LOD	30		NA						
MW-05-0.5	06/15/06	464.80	84		514.40	56		<LOD	44		NA			479.60	33					
MW-05-1.0	06/15/06	NA			NA			NA			<LOD	37		NA						
MW-05-1.0	06/15/06	4,288.00	420		34,585.60	720		<LOD	88		NA			986.40	62					
MW-05-2.0	06/15/06	NA			NA			NA			54.40	32		NA						
MW-05-2.0	06/15/06	2,508.80	360		39,398.40	680		<LOD	70		NA			899.20	50					
MW-05-3.0	06/15/06	NA			NA			NA			69.40	32		NA						
MW-05-3.0	06/15/06	1,720.00	230		22,092.80	350		<LOD	44		NA			471.20	31					
MW-05-4.0	06/15/06	NA			NA			NA			338.60	48		NA						
MW-05-4.0	06/15/06	618.00	89		2,748.80	87		<LOD	19		NA			56.30	12					
MW-05-5.0	06/15/06	NA			NA			NA			383.40	45		NA						
MW-05-5.0	06/15/06	763.20	110		4,707.20	120		<LOD	16		NA			<LOD	13					
MW-05-6.0	06/15/06	36.42	9		4,279.86	54		<LOD	8		120.35	14		13.80	3					
MW-05-7.0	06/15/06	33.49	9		3,576.72	47		<LOD	8		45.22	14		14.23	3					

Appendix N
Subsurface Soil XRF Results and Corresponding Laboratory Results
Old American Zinc Plant Site, Fairmont City, Illinois

																		Laboratory Verification Sample Results (mg/kg)			
Sample ID	Sample Date	Cu	(+/-)	Cu Avg	Zn	(+/-)	Zn Avg	As	(+/-)	As Avg	Cd	(+/-)	Cd Avg	Pb	(+/-)	Pb Avg		Pb	As	Cd	Zn
MW-05-8.0	06/15/06	26.59	8		1,961.16	31		9.18	3		<LOD	40		11.39	3						
MW-05-9.0	06/15/06	<LOD	23		837.74	18		<LOD	9		<LOD	40		20.34	3						
MW-05-10.0	06/15/06	34.64	8		198.17	9		9.03	3		<LOD	41		11.45	3						
MW-05-11.0	06/15/06	25.01	8		464.01	13		<LOD	9		<LOD	41		16.48	3						
MW-05-12.0	06/15/06	<LOD	21		297.36	10		<LOD	7		<LOD	38		10.26	3						
MW-05-13.0	06/15/06	23.93	8		82.22	6		<LOD	8		<LOD	38		15.65	3						
MW-05-14.0	06/15/06	<LOD	21		91.35	6		<LOD	8		<LOD	39		18.82	3						
MW-05-15.0	06/15/06	26.88	8		134.88	7		10.41	3		<LOD	40		12.62	3						
MW-05-16.0	06/15/06	29.97	8		80.82	6		9.39	3		<LOD	38		10.48	3						
MW-05-17.0	06/15/06	<LOD	22		65.90	5		8.55	3		<LOD	39		8.74	3			17	11	0.36	73
MW-05-18.0	06/15/06	<LOD	22		30.22	4		<LOD	8		<LOD	38		14.60	3						
MW-05-19.0	06/15/06	26.12	7		41.58	4		<LOD	8		<LOD	38		16.37	3						
MW-05-20.0	06/15/06	<LOD	21		39.01	4		<LOD	8		<LOD	38		17.39	3						
MW-06-0.5	06/19/06	125.04	13		2,533.09	45		<LOD	29		<LOD	49		320.81	11						
MW-06-1.0	06/19/06	30.81	8		1,094.18	21		<LOD	9		50.05	14		25.40	3						
MW-06-2.0	06/19/06	60.71	10		1,436.35	28		<LOD	13		<LOD	45		53.84	5						
MW-06-3.0	06/19/06	<LOD	23		219.06	9		<LOD	8		<LOD	40		14.35	3						
MW-06-4.0	06/19/06	<LOD	24		213.78	9		10.51	3		<LOD	41		17.11	3						
MW-06-5.0	06/19/06	<LOD	25		154.84	8		11.77	3		<LOD	44		16.57	3						
MW-06-6.0	06/19/06	<LOD	23		115.02	7		<LOD	8		<LOD	39		15.00	3						
MW-06-7.0	06/19/06	<LOD	23		90.51	6		<LOD	8		<LOD	39		16.57	3						
MW-06-8.0	06/19/06	<LOD	23		72.75	6		<LOD	8		<LOD	40		13.58	3			14	7.4	0.12 B	89
MW-06-9.0	06/19/06	<LOD	22		62.85	5		<LOD	8		<LOD	40		14.22	3						
MW-06-10.0	06/19/06	31.75	7		70.26	5		<LOD	8		<LOD	37		16.17	3						
MW-06-11.0	06/19/06	<LOD	22		69.49	5		12.81	3		<LOD	39		8.84	3						
MW-06-12.0	06/19/06	27.22	8		81.83	6		<LOD	8		<LOD	40		17.33	3						
MW-06-13.0	06/19/06	30.73	8		74.12	6		<LOD	8		<LOD	40		14.94	3						
MW-06-14.0	06/19/06	<LOD	22		53.32	5		<LOD	8		<LOD	40		12.94	3						
MW-06-15.0	06/19/06	<LOD	24		36.43	5		<LOD	8		<LOD	41		16.81	3						
MW-06-16.0	06/19/06	<LOD	25		47.67	5		10.73	3		<LOD	42		11.38	3			14	9.5	<0.26 U	68
MW-06-17.0	06/19/06	25.51	8		46.35	5		10.37	3		<LOD	39		10.74	3						
MW-06-18.0	06/19/06	<LOD	22		41.55	4		<LOD	8		<LOD	38		12.75	3						
MW-06-19.0	06/19/06	<LOD	22		46.27	5		<LOD	8		<LOD	38		18.28	3						
MW-06-20.0	06/19/06	<LOD	21		44.04	4		<LOD	7		<LOD	38		9.37	3						
MW-07-0.5	06/19/06	174.98	12		3,010.07	43		44.06	7		75.09	14		176.23	7						
MW-07-1.0	06/19/06	75.18	9		2,124.61	33		14.12	4		49.68	14		59.95	4						
MW-07-2.0	06/19/06	<LOD	23		1,257.45	22		<LOD	9		<LOD	40		25.07	3						
MW-07-3.0	06/19/06	24.00	8		465.69	13		<LOD	8		<LOD	40		11.85	3						
MW-07-4.0	06/19/06	<LOD	22		98.21	6		<LOD	8		<LOD	40		15.14	3			10	6.3	0.87	61
MW-07-5.0	06/19/06	<LOD	23		50.26	5		10.72	3		<LOD	40		12.92	3						
MW-07-6.0	06/19/06	<LOD	22		39.27	5		<LOD	8		<LOD	40		13.86	3						
MW-07-7.0	06/19/06	<LOD	23		38.21	5		<LOD	8		<LOD	41		12.42	3						
MW-07-8.0	06/19/06	<LOD	22		34.74	4		8.09	3		<LOD	40		8.75	3						
MW-07-9.0	06/19/06	<LOD	22		34.12	4		<LOD	8		<LOD	39		15.31	3						
MW-07-10.0	06/19/06	<LOD	23		65.18	5		<LOD	8		<LOD	39		16.21	3						
MW-07-11.0	06/19/06	<LOD	22		45.23	5		<LOD	8		<LOD	39		13.36	3						
MW-07-12.0	06/19/06	<LOD	23		60.83	5		<LOD	8		<LOD	40		12.98	3						
MW-07-13.0	06/19/06	<LOD	22		34.64	4		<LOD	8		<LOD	39		14.76	3						
MW-07-14.0	06/19/06	<LOD	22		42.81	5		<LOD	8		<LOD	39		13.71	3						
MW-07-15.0	06/19/06	<LOD	21		56.26	5		<LOD	8		<LOD	38		16.00	3						
MW-07-16.0	06/19/06	<LOD	22		61.84	5		<LOD	7		<LOD	39		10.96	3						
MW-07-17.0	06/19/06	<LOD	22		51.80	5		<LOD	8		<LOD	38		14.47	3			10	7.4	0.15 B	49
MW-07-18.0	06/19/06	<LOD	22		49.15	5		<LOD	7		<LOD	38		10.44	3						
MW-07-19.0	06/19/06	<LOD	20		56.08	5		<LOD	8		<LOD	38		18.88	3						
MW-07-20.0	06/19/06	<LOD	21		24.82	4		<LOD	7		<LOD	39		<LOD	8						
MW-07-21.0	06/19/06	<LOD	22		31.00	4		<LOD	8		<LOD	38		15.24	3						
MW-07-22.0	06/19/06	<LOD	23		34.12	5		<LOD	8		<LOD	41		16.31	3						
MW-07-23.0	06/19/06	<LOD	22		32.33	4		<LOD	8		<LOD	39		14.49	3						
MW-07-24.0	06/19/06	<LOD	21		24.60	4		<LOD	7		<LOD	38		14.19	3						
P-01-1.0	06/19/06	824.29	28		30,437.69	383		<LOD	95		137.69	17		3,747.90	56						
P-01-2.0	06/19/06	414.17	21		26,147.41	333		<LOD	55		114.83	17		1,223.40	25						
P-01-3.0	06/19/06	1,678.29	58		109,288.28	1802		<LOD	148		<LOD	69		5,133.94	99						
P-01-4.0	06/19/06	675.54	36		70,208.62	1111		<LOD	97		133.79	22		2,278.86	49						
P-01-5.0	06/19/06	32.17	9		4,599.87	59		<LOD	9		926.53	19		17.23	3			13	5.8	620	6,600
P-01-6.0	06/19/06	<LOD	28		4,551.07	64		<LOD	9		<LOD	45		16.19	3						
P-01-7.0	06/19/06	<LOD	25		2,300.74	36		<LOD	8		<LOD	42		<LOD	9						
P-01-8.0	06/19/06	<LOD	25		2,721.30	39		<LOD	9		<LOD	41		18.44	3						
P-01-9.0	06/19/06	<LOD	27		2,414.96	42		<LOD	10		<LOD	48		<LOD	10						
P-01-10.0	06/19/06	<LOD	28		1,980.35	37		<LOD	10		54.85	16		17.74	4			13	8.4	53	3,100
P-01-11.0	06/19/06	39.23	8		1,645.24	27		<LOD	8		71.43	14		9.86	3						
P-01-12.0	06/19/06	<LOD	25		3,132.73	46		<LOD	9		76.73	14		11.78	3						
P-01-13.0	06/19/06	31.93	8		3,885.55	49		<LOD	8		65.68	14		16.01	3						
P-01-14.0	06/19/06	<LOD	28		6,351.35	81		<LOD	10		141.09	15		18.18	3						
P-01-15.0	06/19/06	<LOD	25		5,554.90	68		9.82	3		62.98	14		11.00	3						
P-01-16.0	06/19/06	<LOD	23		2,908.83	41		12.92	3		51.83	14		9.66	3			8.2	7.1	57	3,400
P-01-17.0	06/19/06	29.48	8		4,950.40	60		14.93	3		100.18	14		12.52	3						
P-01-18.0	06/19/06	27.83	9		2,830.54	41		<LOD	8		141.75	14		12.74	3						
P-01-19.0	06/19/06	39.48	8		3,490.53	45		12.37	3		150.93	14		17.52	3						
P-01-20.0	06/19/06	25.74	8		2,557.14	35		<LOD	8		162.11	13		12.34	3						
P-02-1.0	06/19/06	NA			NA			NA			130.30	43		NA							
P-02-1.0	06/19/06	2,249.60	940		218,931.20	4000		<LOD	50		NA			67.40	31						
P-02-2.0	06/19/06	NA			NA			NA			262.80	61		NA							
P-02-2.0	06/19/06	9,280.00	1300		293,888.00	6298		<LOD	73		NA			215.80	47						
P-02-3.0	06/19/06	NA			NA			NA			311.80	60		NA							
P-02-3.0	06/19/06	6,579.20	890		180,940.80	3398		<LOD	93		NA			1,140.00	70						
P-02-4.0	06/19/06	3,671.64	95		136,247.06	2315		<LOD	115		535.85	27		2,782.87	62						
P-02-5.0	06/19/06	1,904.77	48		73,787.45	971		<LOD	73		533.72	21		1,971.93	37			3,500	18	2,500	170,000
P-02-6.0	06/19/06	58.14	10		7,460.38	91		16.78	4		<LOD	42		50.58	4						
P-02-7.0	06/19/06	54.93	9		1,784.12	28		12.97	3		<LOD	39		28.62	3						
P-02-8.0	06/19/06	44.98	9		1,659.01	29		<LOD	9		<LOD	43		19.19	3						
P-02-9.0	06/19/06	<LOD	25		322.70	11		<LOD	8		<LOD	42		<LOD	9						
P-02-10.0	06/19/06	<LOD	28		367.73	14		<LOD	11		<LOD	52		15.67	4						
P-02-11.0	06/19/06	<LOD	25		487.02	14		9.56	3		<LOD	42		12.45	3						
P-02-12.0	06/19/06	<LOD	23		684.59	15		<LOD	8		<LOD	39		20.08	3						
P-02-13.0	06/19/06	<LOD	23		1,288.49	22		<LOD	8		<LOD	39		15.14	3						
P-02-14.0	06/19/06	<LOD	23		1,447.81	24		<LOD	8		<LOD	39		12.45	3						
P-02-15.0	06/19/06	<LOD	22		1,217.14	21		<LOD	7		<LOD	38		9.95	3						
P-02-16.0	06/19/06	26.30	8		4,943.29	58		<LOD	8		46.89	13		13.89	3						
P-02-17.0	06/19/06	<LOD	27		9,730.61	109		<LOD	9		88.89	14		11.92	3						

Appendix N
Subsurface Soil XRF Results and Corresponding Laboratory Results
Old American Zinc Plant Site, Fairmont City, Illinois

																	Laboratory Verification Sample Results (mg/kg)			
Sample ID	Sample Date	Cu	(+/-)	Cu Avg	Zn	(+/-)	Zn Avg	As	(+/-)	As Avg	Cd	(+/-)	Cd Avg	Pb	(+/-)	Pb Avg	Pb	As	Cd	Zn
P-02-18.0	06/19/06	34.61	9		10,480.00	117		14.73	3		96.17	14		14.62	3					
P-02-19.0	06/19/06	<LOD	23		2,371.85	34		<LOD	8		<LOD	39		16.50	3					
P-02-20.0	06/19/06	<LOD	23		799.71	17		<LOD	8		<LOD	41		10.18	3		7	4.9	13	1,300
P-02-21.0	06/19/06	<LOD	23		1,145.15	21		<LOD	7		<LOD	39		<LOD	8					
P-02-22.0	06/19/06	<LOD	22		936.63	18		<LOD	8		<LOD	39		13.52	3					
P-02-23.0	06/19/06	<LOD	21		924.65	18		<LOD	7		<LOD	38		12.86	3					
P-02-24.0	06/19/06	<LOD	22		867.32	17		8.68	3		<LOD	38		10.62	3					
P-03-0.5	06/14/06	3,059.11	63		9,228.03	141		327.70	30		<LOD	54		2,500.78	45					
P-03-1.0	06/14/06	1,156.94	34		6,000.46	95		<LOD	161		<LOD	52		9,824.46	139					
P-03-2.0	06/14/06	1,581.77	38		5,487.90	83		347.47	45		<LOD	49		7,321.53	100					
P-03-3.0	06/14/06	1,128.63	35		9,188.84	141		<LOD	244		<LOD	52		22,046.67	305					
P-03-4.0	06/14/06	708.38	30		8,656.31	145		272.38	49		<LOD	57		6,190.87	103					
P-03-5.0	06/14/06	<LOD	108		24,974.86	620		<LOD	125		142.49	32		1,877.69	64					
P-03-6.0	06/14/06	35.80	8		2,020.07	31		17.37	4		105.33	14		34.83	4					
P-03-7.0	06/14/06	26.57	8		2,006.52	30		12.90	3		<LOD	39		31.90	3					
P-03-8.0	06/14/06	<LOD	24		1,355.64	25		11.42	3		<LOD	42		22.54	4					
P-03-9.0	06/14/06	<LOD	22		676.45	16		<LOD	9		<LOD	39		19.89	3					
P-03-10.0	06/14/06	30.36	8		438.08	12		15.04	3		<LOD	38		12.54	3					
P-03-11.0	06/14/06	29.11	7		375.51	11		11.87	3		<LOD	37		19.78	3					
P-03-12.0	06/14/06	42.12	8		767.61	17		9.38	3		<LOD	40		17.46	3					
P-03-13.0	06/14/06	36.70	8		773.74	17		<LOD	11		<LOD	39		44.44	4					
P-03-14.0	06/14/06	51.20	8		976.13	19		<LOD	9		<LOD	38		21.56	3					
P-03-15.0	06/14/06	24.34	8		810.37	17		12.13	3		<LOD	39		17.45	3					
P-03-16.0	06/14/06	48.99	8		1,370.85	24		<LOD	8		74.75	13		14.27	3					
P-03-17.0	06/14/06	61.00	9		4,401.09	57		<LOD	9		226.33	15		21.42	3					
P-03-18.0	06/14/06	45.53	9		6,547.08	79		<LOD	9		354.56	15		15.01	3					
P-03-19.0	06/14/06	44.40	9		4,702.50	60		<LOD	8		318.01	15		11.30	3					
P-03-20.0	06/14/06	34.84	9		5,563.74	70		9.17	3		249.83	15		13.55	3					
P-03-21.0	06/14/06	<LOD	22		160.62	7		<LOD	8		<LOD	37		15.28	3					
P-03-22.0	06/14/06	<LOD	21		106.96	6		<LOD	7		<LOD	38		9.96	3					
P-03-23.0	06/14/06	<LOD	22		37.19	4		<LOD	7		<LOD	37		14.88	3					
P-03-24.0	06/14/06	<LOD	22		81.99	6		<LOD	7		<LOD	38		11.50	3					
[redacted]	06/06/06	NA			NA			NA			<LOD	96		NA						
[redacted]	06/06/06	2,809.60	370		4,320.00	250		442.40	63		NA			434.80	56					
[redacted]	06/06/06	NA			NA			NA			<LOD	108		NA			580	410	2.1	6,700
[redacted]	06/06/06	3,488.00	510		4,288.00	290		533.60	74		NA			429.60	62					
[redacted]	06/06/06	NA			NA			NA			<LOD	61		NA						
[redacted]	06/06/06	2,699.20	390		5,788.80	300		497.60	67		NA			407.40	57					
[redacted]	06/06/06	NA			NA			NA			<LOD	61		NA						
[redacted]	06/06/06	2,600.00	740		3,889.80	340		304.60	72		NA			347.40	64					
[redacted]	06/06/06	NA			NA			NA			<LOD	65		NA						
[redacted]	06/06/06	12,697.60	1100		12,396.80	640		117.30	72		NA			283.80	67					
[redacted]	06/06/06	NA			NA			NA			<LOD	68		NA						
[redacted]	06/06/06	10,899.20	500		2,960.00	220		<LOD	35		NA			37.40	24					
[redacted]	06/06/06	811.60	95		321.50	50		<LOD	18		NA			21.60	13					
[redacted]	06/06/06	NA			NA			NA			<LOD	44		NA						
[redacted]	06/14/06	504.12	17		7,842.91	89		12.54	4		52.57	14		60.31	4					
[redacted]	06/14/06	606.04	19		7,336.26	88		<LOD	14		79.73	14		88.84	5		85	8.2	47	9,200
[redacted]	06/14/06	67.49	10		8,829.44	100		15.95	3		50.75	14		26.77	4					
[redacted]	06/14/06	71.99	11		9,251.57	111		17.01	4		<LOD	43		22.19	4					
[redacted]	06/14/06	167.62	14		8,408.59	111		<LOD	15		<LOD	46		65.43	5					
[redacted]	05/30/06	NA			NA			NA			<LOD	91		NA						
[redacted]	05/30/06	NA			NA			NA			<LOD	129		NA						
[redacted]	05/30/06	NA			NA			NA			<LOD	39		NA						
[redacted]	05/30/06	5,587.20	830		24,192.00	680		67.90	43		NA			340.80	45					
[redacted]	05/30/06	5,488.00	550		28,390.40	450		68.30	35		NA			769.60	40					
[redacted]	05/30/06	5,907.20	1300		33,484.80	1200		<LOD	78		NA			209.20	52					
[redacted]	05/30/06	NA			NA			NA			<LOD	72		NA						
[redacted]	05/30/06	NA			NA			NA			<LOD	38		NA						
[redacted]	05/30/06	NA			NA			NA			<LOD	49		NA						
[redacted]	05/30/06	7,347.20	750		36,275.20	680		<LOD	69		NA			990.40	54					
[redacted]	05/30/06	7,097.60	780		34,099.20	690		111.40	43		NA			654.40	47					
[redacted]	05/30/06	7,968.00	650		40,965.60	590		<LOD	65		NA			1,369.60	53					
[redacted]	05/30/06	7,174.40	1100		53,299.20	1300		190.30	91		NA			2,348.80	110					
[redacted]	05/30/06	8,627.20	840		53,760.00	880		108.40	72		NA			2,929.60	92					
[redacted]	05/30/06	6,499.20	820		46,489.60	840		120.80	66		NA			2,099.20	81					
[redacted]	05/30/06	NA			NA			NA			<LOD	44		NA						
[redacted]	05/30/06	NA			NA			NA			<LOD	46		NA						
[redacted]	05/30/06	NA			NA			NA			<LOD	34		NA						
[redacted]	05/30/06	1,650.14	73		81,118.60	1720		247.70	61		<LOD	83		5,286.19	130					
[redacted]	05/30/06	1,780.07	79		83,388.82	1846		<LOD	193		<LOD	89		5,503.95	141					
[redacted]	05/30/06	1,279.10	62		68,155.43	1437		<LOD	163		<LOD	83		4,374.94	110					
[redacted]	05/30/06	1,639.03	84		121,785.89	2865		<LOD	207		<LOD	96		5,750.75	156					
[redacted]	05/30/06	1,531.43	88		161,500.59	3992		<LOD	194		114.94	34		4,488.99	133					
[redacted]	05/30/06	136.64	15		10,702.19	158		64.21	11		<LOD	48		375.91	13					
[redacted]	05/30/06	1,520.00	280		9,996.80	160		<LOD	21		NA			106.80	14					
[redacted]	05/30/06	1,689.60	300		8,236.80	180		<LOD	26		NA			134.90	18					
[redacted]	05/30/06	801.20	210		6,508.80	130		19.40	13		NA			123.50	14					
[redacted]	05/30/06	NA			NA			NA			45.80	27		NA						
[redacted]	05/30/06	NA			NA			NA			<LOD	36		NA						
[redacted]	05/30/06	NA			NA			NA			189.80	33		NA						
[redacted]	05/30/06	<LOD	38		3,445.56	78		<LOD	15		<LOD	66		32.22	6					
[redacted]	05/30/06	71.43	13		3,652.46	69		21.28	6		<LOD	56		63.90	6					
[redacted]	05/30/06	113.52	17		7,979.35	144		32.44	8		<LOD	61		131.14	9					
[redacted]	05/30/06	<LOD	42		1,836.60	50		<LOD	16		<LOD	68		32.46	6		30	10	1.3	2,800
[redacted]	05/30/06	73.24	15		1,397.29	40		<LOD	17		<LOD	66		49.18	7					
[redacted]	05/30/06	<LOD	42		2,198.47	57		<LOD	17		<LOD	68		30.31	6					
[redacted]	05/30/06	NA			NA			NA			<LOD	27		NA						
[redacted]	05/30/06	1,129.60	290		4,000.00	140		<LOD	32		NA			137.10	22					
[redacted]	05/30/06	675.20	260		4,697.60	140		<LOD	30		NA			195.30	22					
[redacted]	05/30/06	<LOD	240		723.60	59		<LOD	16		NA			24.50	12					
[redacted]	05/30/06	NA			NA			NA			<LOD	26		NA						
[redacted]	05/30/06	NA			NA			NA			<LOD	29		NA						
[redacted]	05/31/06	4,833.81	206		205,576.53	6202		<LOD	248		<LOD	116		4,962.10	176					
[redacted]	05/31/06	5,273.11	198		157,020.25	4305		<LOD	183		<LOD	112		3,544.97	121					
[redacted]	05/31/06	222.80	140		1,120.00	60		<LOD	19		NA			86.80	14					
[redacted]	05/31/06	NA			NA			NA			158.90	42		NA						
[redacted]	05/31/06	522.62	25		7,290.70	122		49.49	14		<LOD	54		589.60	18		3,100	110	110	59,000
[redacted]	05/31/06	581.84	30		7,952.82	148		86.04	17		<LOD	61		654.25	22					

EX b

67 REDACTIONS

Appendix N
Subsurface Soil XRF Results and Corresponding Laboratory Results
Old American Zinc Plant Site, Fairmont City, Illinois

Sample ID	Sample Date	Cu	(+/-)	Cu Avg	Zn	(+/-)	Zn Avg	As	(+/-)	As Avg	Cd	(+/-)	Cd Avg	Pb	(+/-)	Pb Avg	Laboratory Verification Sample Results (mg/kg) Pb	As	Cd	Zn
[redacted]	05/31/06	<LOD	29		1,299.19	31		53.96	7		<LOD	47		104.24	7					
[redacted]	05/31/06	4,606.43	184		168,901.30	4686		286.45	71		121.15	36		3,881.84	132					
[redacted]	05/31/06	102.71	11		332.46	13		45.10	5		<LOD	44		53.78	5					
[redacted]	05/31/06	NA			NA			NA			<LOD	22		NA						
[redacted]	05/31/06	368.63	24		13,985.09	230		<LOD	57		<LOD	60		972.42	26		8,700	43	12	37,000
[redacted]	05/31/06	72.93	16		566.74	26		60.35	19		<LOD	71		656.44	25					
[redacted]	05/31/06	1,980.44	65		45,839.77	829		123.12	33		<LOD	69		2,128.34	53					
[redacted]	05/31/06	1,061.57	42		24,943.75	430		68.62	20		<LOD	67		824.37	26					
[redacted]	05/31/06	1,496.02	64		31,405.68	674		<LOD	112		<LOD	80		2,034.27	59					
[redacted]	05/31/06	807.60	280		8,198.40	180		<LOD	22		NA			103.90	16					
[redacted]	05/31/06	NA			NA			NA			99.30	31		NA						
[redacted]	05/31/06	NA			NA			NA			139.90	28		NA						
[redacted]	05/31/06	71.84	17		8,252.24	164		<LOD	22		<LOD	59		86.81	9					
[redacted]	05/31/06	95.68	18		10,046.72	191		<LOD	25		<LOD	67		121.99	10					
[redacted]	05/31/06	<LOD	39		6,556.49	118		<LOD	13		83.93	21		<LOD	14					
[redacted]	05/31/06	589.20	220		4,358.40	120		<LOD	16		NA			19.00	11		15	6.3	130	7,100
[redacted]	05/31/06	NA			NA			NA			119.50	27		NA						
[redacted]	05/31/06	<LOD	41		6,674.83	125		<LOD	14		131.94	22		21.43	5					
[redacted]	05/31/06	678.32	31		10,871.02	191		<LOD	58		<LOD	64		962.26	27					
[redacted]	05/31/06	875.30	37		11,118.52	204		97.94	27		<LOD	64		1,610.73	40					
[redacted]	05/31/06	1,016.82	43		24,880.78	444		<LOD	69		<LOD	69		1,170.04	33					
[redacted]	05/31/06	<LOD	45		3,639.97	87		<LOD	15		<LOD	72		23.82	8					
[redacted]	05/31/06	<LOD	330		2,788.80	110		<LOD	18		NA			18.70	12					
[redacted]	05/31/06	NA			NA			NA			<LOD	29		NA						
[redacted]	05/31/06				129.00	12		25.00	6		<LOD	66		48.00	7					
[redacted]	05/31/06				5,614.00	120		142.00	16		<LOD	71		361.00	17					
[redacted]	05/31/06				1,592.00	58		<LOD	46		<LOD	85		280.00	18					
[redacted]	05/31/06				1,761.00	44		15.00	4		<LOD	60		17.00	5		15	7.2	12	2,300
[redacted]	05/31/06				1,506.00	39		<LOD	12		<LOD	59		<LOD	14					
[redacted]	05/31/06	290.80	130		1,029.60	53		<LOD	14		NA			27.70	10					
[redacted]	05/31/06	NA			NA			NA			<LOD	22		NA						
[redacted]	12/13/06	8768.92	336.89		227411.08	7089.55		<LOD	257.17		<LOD	125.94		4739.84	175.75					
[redacted]	12/13/06	525.88	27.45		10599.67	183.31		291.81	35.56		64.92	20.28		3174.37	61.97		4,500	230	45	170,000
[redacted]	12/13/06	39.90	11.66		1922.98	43.13		<LOD	15.49		<LOD	56.38		53.85	5.91					
[redacted]	12/13/06	<LOD	31.81		708.95	23.05		<LOD	11.59		<LOD	55.59		15.68	4.31					
[redacted]	12/13/06	254.16	18.92		8051.25	132.49		39.64	8.29		<LOD	57.48		155.51	9.10					
[redacted]	12/13/06	199.08	20.27		10921.37	196.04		<LOD	40.89		<LOD	65.30		415.39	16.74		1,700	25	73	20,000
[redacted]	12/13/06	<LOD	66.05		1205.10	70.13		<LOD	26.19		<LOD	126.57		<LOD	25.67					
[redacted]	12/13/06	<LOD	33.65		1017.34	30.34		<LOD	13.53		<LOD	57.84		23.35	5.04					
[redacted]	12/13/06	<LOD	32.92		282.52	13.85		<LOD	11.64		<LOD	55.17		15.10	4.39					
[redacted]	12/13/06	<LOD	31.51		285.75	14.13		<LOD	11.03		<LOD	54.46		<LOD	12.33					
[redacted]	05/31/06	347.57	25		17,165.49	310		<LOD	58		123.27	23		823.09	26					
[redacted]	05/31/06	403.08	27		16,485.92	295		<LOD	59		<LOD	67		874.12	27					
[redacted]	05/31/06	2,014.90	72		66,865.04	1282		<LOD	105		<LOD	76		2,150.26	57					
[redacted]	05/31/06	2,030.20	64		52,376.11	904		<LOD	75		<LOD	66		1,332.41	36		2,100	12	50	61,000
[redacted]	05/31/06	889.37	43		35,540.20	670		<LOD	51		<LOD	69		751.98	27					
[redacted]	05/31/06	3,987.20	350		15,892.80	230		47.50	26		NA			691.20	30					
[redacted]	05/31/06	NA			NA			NA			<LOD	35		NA						
[redacted]	05/31/06	42.82	14		9,759.15	160		<LOD	17		<LOD	57		54.70	6					
[redacted]	05/31/06	1,220.00	270		6,480.00	150		<LOD	23		NA			107.70	16					
[redacted]	05/31/06	NA			NA			NA			<LOD	27		NA						
[redacted]	05/31/06	<LOD	37		4,981.14	91		<LOD	12		<LOD	56		18.07	5					
[redacted]	05/31/06	<LOD	38		4,565.67	86		<LOD	12		<LOD	59		15.28	5					
[redacted]	05/31/06	<LOD	39		2,850.57	65		<LOD	14		<LOD	62		23.17	5					
[redacted]	12/13/06	55.02	13.70		1247.94	37.25		<LOD	18.49		<LOD	64.44		63.09	7.18					
[redacted]	12/13/06	<LOD	32.65		1432.97	34.90		16.24	4.35		<LOD	54.82		24.32	4.67					
[redacted]	12/13/06	<LOD	33.22		1178.65	31.56		15.00	4.02		<LOD	55.88		13.27	4.29					
[redacted]	12/13/06	<LOD	31.89		356.23	15.80		<LOD	9.70		<LOD	55.23		<LOD	11.87					
[redacted]	12/13/06	<LOD	30.86		103.27	8.96		<LOD	10.40		<LOD	54.57		15.52	4.29					
[redacted]	12/13/06	107.41	13.67		1738.98	39.84		<LOD	29.56		<LOD	55.83		277.55	11.71					
[redacted]	12/13/06	<LOD	34.20		928.64	28.11		<LOD	12.81		<LOD	58.38		19.78	4.79					
[redacted]	12/13/06	<LOD	33.08		435.73	17.63		<LOD	11.36		<LOD	56.69		<LOD	12.57					
[redacted]	12/13/06	<LOD	31.60		120.31	9.38		<LOD	10.13		<LOD	54.69		17.89	4.34					
[redacted]	12/13/06	<LOD	28.18		35.73	6.24		<LOD	10.27		<LOD	55.25		<LOD	12.09					
[redacted]	06/14/06	434.81	20		4,897.40	74		<LOD	26		<LOD	51		236.69	10					
[redacted]	06/14/06	393.83	15		4,208.87	54		<LOD	15		71.49	14		96.38	5					
[redacted]	06/14/06	158.38	12		3,264.93	47		<LOD	11		<LOD	43		36.57	4					
[redacted]	06/14/06	40.39	9		3,422.33	46		<LOD	8		<LOD	41		8.81	3					
[redacted]	06/14/06	71.65	9		3,174.69	43		13.60	3		46.68	13		16.42	3					
[redacted]	06/14/06	34.14	9		2,673.98	39		<LOD	9		<LOD	41		18.04	3					
[redacted]	06/14/06	<LOD	25		2,466.76	38		<LOD	9		<LOD	43		17.53	3					
[redacted]	06/01/06	12,294.40	660		9,376.00	280		251.20	61		NA			1,340.00	69					
[redacted]	06/01/06	NA			NA			NA			<LOD	38		NA						
[redacted]	06/01/06	29,593.60	810		19,891.20	360		<LOD	71		NA			1,488.60	57					
[redacted]	06/01/06	NA			NA			NA			<LOD	35		NA						
[redacted]	06/01/06	35,096.00	750		14,988.80	260		84.60	41		NA			1,449.60	49					
[redacted]	06/01/06	NA			NA			NA			38.00	20		NA						
[redacted]	06/01/06	8,569.60	260		3,478.40	85		<LOD	41		NA			1,120.00	33					
[redacted]	06/01/06	NA			NA			NA			314.00	43		NA						
[redacted]	06/01/06	741.60	210		6,169.60	120		<LOD	13		NA			25.10	9					
[redacted]	06/01/06	21,593.60	930		17,190.40	450		461.20	67		NA			1,080.00	67					
[redacted]	06/01/06	NA			NA			NA			<LOD	44		NA						
[redacted]	06/01/06	55,961.60	1300		29,286.40	550		1,040.00	110		NA			5,548.80	140					
[redacted]	06/01/06	NA			NA			NA			121.40	38		NA						
[redacted]	06/01/06	18,291.20	1500		104,960.00	2200		157.00	87		NA			2,129.80	100					
[redacted]	06/01/06	NA			NA			NA			402.80	66		NA						
[redacted]	06/01/06	NA			NA			NA			287.60	48		NA						
[redacted]	06/01/06	9,177.60	670		43,494.40	610		197.90	60		NA			2,720.00	75					
[redacted]	06/01/06	406.40	180		6,320.00	110		<LOD	17		NA			134.90	12					
[redacted]	06/01/06	NA			NA			NA			364.60	56		NA						
[redacted]	06/01/06	454.00	88		1,140.00	39		<LOD	10		NA			51.90	7		640	140	66	7,200
[redacted]	06/01/06	NA			NA			NA			93.30	30		NA						
[redacted]	06/01/06	NA			NA			NA			51.90	24		NA						
[redacted]	06/01/06	276.40	76		698.40	32		<LOD	9		NA			32.50	6					
[redacted]	06/01/06	1,440.00	180		880.00	60		<LOD	27		NA			163.10	19					
[redacted]	06/01/06	NA			NA			NA			<LOD	38		NA						
[redacted]	06/01/06	428.40	190		2,520.00	92		<LOD	18		NA			40.00	12					
[redacted]	06/01/06	NA			NA			NA			<LOD	30		NA						
[redacted]	06/01/06	NA			NA			NA			100.00	39		NA						

EX 6

91 REDACTIONS

Appendix N
Subsurface Soil XRF Results and Corresponding Laboratory Results
Old American Zinc Plant Site, Fairmont City, Illinois

																	Laboratory Verification Sample Results (mg/kg)			
Sample ID	Sample Date	Cu	(+/-)	Cu Avg	Zn	(+/-)	Zn Avg	As	(+/-)	As Avg	Cd	(+/-)	Cd Avg	Pb	(+/-)	Pb Avg	Pb	As	Cd	Zn
[redacted]	06/01/06	31,795.20	2000		178,995.20	3600		226.60	100		NA			3,129.60	130					
[redacted]	06/01/06	18,596.40	2099		248,832.00	4598		<LOD	102		NA			1,409.60	79					
[redacted]	06/01/06	NA			NA			NA			80.90	35		NA						
[redacted]	06/01/06	NA			NA			NA			99.80	40		NA						
[redacted]	06/01/06	13,990.40	2000		251,904.00	4400		<LOD	82		NA			932.80	62					
[redacted]	06/01/06	12,294.40	1899		234,905.59	4198		<LOD	79		NA			817.60	59					
[redacted]	06/01/06	NA			NA			NA			73.30	33		NA						
[redacted]	06/01/06	NA			NA			NA			107.70	40		NA						
[redacted]	06/01/06	19,392.00	1800		187,904.00	3498		217.80	85		NA			2,640.00	110					
[redacted]	06/01/06	NA			NA			NA			99.30	28		NA						
[redacted]	06/01/06	3,398.40	270		4,080.00	120		<LOD	56		NA			1,109.60	44					
[redacted]	06/01/06	NA			NA			NA			146.10	34		NA						
[redacted]	06/01/06	779.20	170		2,768.60	84		67.30	28		NA			794.00	33					
[redacted]	06/01/06	NA			NA			NA			<LOD	25		NA			38	5.5	650	4,300
[redacted]	06/01/06	293.00	180		3,488.00	98		<LOD	18		NA			81.90	13					
[redacted]	06/01/06	3,582.20	73		35,994.91	506		1,010.20	49		177.71	19		5,820.14	92					
[redacted]	06/01/06	1,279.72	35		21,179.04	278		1,002.27	42		126.23	17		5,174.51	75					
[redacted]	06/01/06	1,207.62	56		176,028.52	3116		92.22	21		77.14	24		645.54	24					
[redacted]	06/01/06	3,834.63	141		314,699.38	7406		246.67	40		<LOD	94		1,341.17	51		910	120	52	140,000
[redacted]	06/01/06	1,969.60	780		45,184.00	830		<LOD	34		NA			86.20	22					
[redacted]	06/01/06	NA			NA			NA			<LOD	45		NA						
[redacted]	06/01/06	356.25	25		65,850.45	919		<LOD	25		<LOD	57		150.06	9					
[redacted]	06/01/06	368.60	140		972.00	55		<LOD	15		NA			16.60	10					
[redacted]	06/01/06	NA			NA			NA			<LOD	26		NA						
[redacted]	06/01/06	<LOD	26		3,022.52	45		10.04	3		<LOD	43		18.59	3					
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[redacted]	06/01/06	7,449.60	630		31,590.40	520		844.00	93		NA			5,097.60	120					
[redacted]	06/01/06	NA			NA			NA			150.20	45		NA						
[redacted]	06/01/06	5,302.34	119		129,592.38	2140		200.03	36		138.08	23		2,449.45	55					
[redacted]	06/01/06	4,919.18	96		65,143.81	940		78.69	21		160.41	21		1,081.69	27					
[redacted]	06/01/06	1,126.25	46		85,003.50	1415		53.47	16		<LOD	68		481.34	19					
[redacted]	06/01/06	1,276.90	47		57,141.91	968		<LOD	51		<LOD	67		587.20	21					
[redacted]	06/01/06	1,821.94	48		73,551.38	1009		42.09	10		<LOD	58		212.88	10					
[redacted]	06/01/06	722.80	290		7,315.20	180		<LOD	23		NA			77.00	16					
[redacted]	06/01/06	NA			NA			NA			<LOD	33		NA						
[redacted]	06/01/06	707.78	24		32,762.36	373		76.54	17		<LOD	44		1,176.94	22					
[redacted]	06/01/06	577.60	170		6,796.80	110		<LOD	35		NA			971.20	28		19,000	330	74	51,000
[redacted]	06/01/06	NA			NA			NA			<LOD	29		NA						
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[redacted]	06/01/06	NA			NA			NA			<LOD	34		NA						
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[redacted]	06/01/06	23,590.40	1000		33,177.60	710		464.00	160		NA			10,995.20	260					
[redacted]	06/01/06	24,089.60	1100		30,080.00	690		577.60	180		NA			13,491.20	320					
[redacted]	06/01/06	NA			NA			NA			<LOD	48		NA						
[redacted]	06/01/06	11,795.20	620		25,689.60	430		188.00	79		NA			4,358.40	110					
[redacted]	06/01/06	NA			NA			NA			53.40	33		NA						
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[redacted]	06/01/06	NA			NA			NA			<LOD	27		NA						
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[redacted]	05/31/06	NA			NA			NA			<LOD	30		NA						
[redacted]	05/31/06	NA			NA			NA			<LOD	48		NA						
[redacted]	05/31/06	<LOD	645		2,179.20	180		<LOD	54		NA			176.80	39					
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[redacted]	05/31/06	NA			NA			NA			<LOD	39		NA						
[redacted]	05/31/06	NA			NA			NA			44.60	30		NA						
[redacted]	05/31/06	3,148.80	380		15,091.20	250		<LOD	39		NA			503.60	30					
[redacted]	05/31/06	4,809.60	460		25,894.40	360		<LOD	51		NA			1,040.00	41					
[redacted]	05/31/06	NA			NA			NA			57.70	26		NA						
[redacted]	05/31/06	NA			NA			NA			29.50	20		NA						
[redacted]	05/31/06	1,969.60	200		3,129.60	88		<LOD	18		NA			42.50	11					
[redacted]	05/31/06	3,120.00	440		15,692.80	310		<LOD	45		NA			480.00	34					
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[redacted]	05/31/06	NA			NA			NA			63.70	26		NA						
[redacted]	05/31/06	402.40	230		2,419.20	110		<LOD	47		NA			545.80	36					
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[redacted]	05/31/06	NA			NA			NA			<LOD	33		NA						
[redacted]	05/31/06	1,369.60	350		4,659.20	180		<LOD	45		NA			305.00	33					
[redacted]	05/31/06	6,368.00	810		63,078.40	920		<LOD	56		NA			794.40	43					
[redacted]	05/31/06	NA			NA			NA			46.50	27		NA						
[redacted]	05/31/06	6,518.40	1100		88,883.20	1400		<LOD	67		NA			932.80	53					
[redacted]	05/31/06	NA			NA			NA			<LOD	34		NA						
[redacted]	05/31/06	<LOD	255		2,548.80	88		<LOD	15		NA			21.30	10		11	7.8	6.3	2,800
[redacted]	05/31/06	NA			NA			NA			<LOD	26		NA						
[redacted]	05/31/06	<LOD	39		4,026.76	83		<LOD	15		<LOD	63		24.55	5					
[redacted]	05/31/06				7,897.00	145		<LOD	84		<LOD	62		1,993.00	45					
[redacted]	05/31/06				7,193.00	121		62.00	17		<LOD	54		792.00	22					
[redacted]	05/31/06	337.37	19		4,909.12	82		94.12	14		<LOD	50		613.74	17					
[redacted]	05/31/06	51.45	10		494.61	16		80.29	7		<LOD	41		129.17	7					
[redacted]	05/31/06	579.34	25		4,774.25	82		107.67	16		<LOD	51		788.15	21					
[redacted]	05/31/06	556.00	110		1,080.00	47		<LOD	16		NA			106.50	12					
[redacted]	05/31/06	NA			NA			NA			<LOD	28		NA						
[redacted]	05/31/06	286.98	18		3,900.69	70		35.37	9		<LOD	54		201.60	10					
[redacted]	05/31/06	110.67	13		1,127.12	30		<LOD	18		<LOD	55		115.24	8					
[redacted]	05/31/06	<LOD	35		2,723.84	57		<LOD	11		<LOD	58		<LOD	12		14	7.1	34	3,400
[redacted]	05/31/06	<LOD	38		2,357.51	53		<LOD	11		<LOD	59		<LOD	13					
[redacted]	06/07/06	NA			NA			NA			<LOD	38		NA						
[redacted]	06/07/06	1,220.00	190		1,979.20	81		<LOD	25		NA			147.50	18					
[redacted]	06/07/06	2,809.60	230		1,409.60	75		<LOD	21		NA			<LOD	18		51	6.6	9.4	730
[redacted]	06/07/06	NA			NA			NA			<LOD	33		NA						
[redacted]	06/07/06	<LOD	975		2,529.60	320		<LOD	66		NA			<LOD	67					
[redacted]	06/07/06	NA			NA			NA			<LOD	78		NA						
[redacted]	06/07/06	NA			NA			NA			209.00	54		NA						
[redacted]	06/07/06	15,795.20	710		13,196.80	330		3,209.60	120		NA			2,388.80	90					
[redacted]	06/07/06	18,790.40	800		26,291.20	500		<LOD	60		NA			550.80	42					
[redacted]	06/07/06	NA			NA			NA			<LOD	35		NA						
[redacted]	06/07/06	NA			NA			NA			45.00	30		NA						
[redacted]	06/07/06	10,496.00	720		33,792.00	590		87.20	56		NA			1,720.00	68					
[redacted]	06/07/06	19,392.00	1100		41,779.20	930		<LOD	72		NA			433.20	49					

EX 6

91 REDACTIONS

Appendix N
Subsurface Soil XRF Results and Corresponding Laboratory Results
Old American Zinc Plant Site, Fairmont City, Illinois

																	Laboratory Verification Sample Results (mg/kg)			
Sample ID	Sample Date	Cu	(+/-)	Cu Avg	Zn	(+/-)	Zn Avg	As	(+/-)	As Avg	Cd	(+/-)	Cd Avg	Pb	(+/-)	Pb Avg	Pb	As	Cd	Zn
[redacted]	06/07/06	NA			NA			NA			<LOD	41		NA						
[redacted]	06/07/06	11,897.60	1100		61,696.00	1200		<LOD	67		NA			586.00	50		1,300	21	59	68,000
[redacted]	06/07/06	NA			NA			NA			102.70	41		NA						
[redacted]	06/07/06	5,977.60	540		25,190.40	420		<LOD	48		NA			455.20	33					
[redacted]	06/07/06	NA			NA			NA			40.90	27		NA						
[redacted]	06/07/06	<LOD	270		3,427.20	180		<LOD	31		NA			37.90	22					
[redacted]	06/07/06	NA			NA			NA			<LOD	85		NA						
[redacted]	06/01/06	8,585.67	144		34,284.04	490		301.87	30		<LOD	57		2,316.00	44					
[redacted]	06/01/06	5,997.08	113		24,679.61	376		92.28	20		<LOD	59		1,029.98	26					
[redacted]	06/01/06	10,140.84	180		88,187.36	1330		<LOD	89		71.83	21		2,141.68	45					
[redacted]	06/01/06	485.70	17		6,437.61	78		23.56	5		44.41	14		95.00	5		9.3	5	30	1,900
[redacted]	06/01/06	409.00	140		1,659.20	66		<LOD	13		NA			16.30	9					
[redacted]	06/01/06	NA			NA			NA			<LOD	30		NA						
[redacted]	06/07/06	6,832.94	120		46,199.58	670		526.55	34		118.86	20		2,735.11	51					
[redacted]	06/07/06	16,105.72	240		51,645.82	705		877.05	39		126.10	19		3,625.34	61					
[redacted]	06/07/06	2,437.01	51		10,603.31	152		1,142.73	50		91.83	17		7,355.63	103					
[redacted]	06/07/06	8,049.52	135		42,896.42	598		408.86	41		128.43	19		4,752.54	77		3,600	240	110	39,000
[redacted]	06/07/06	2,314.07	47		10,898.61	146		71.18	12		<LOD	49		504.96	14					
[redacted]	06/07/06	2,254.05	47		9,008.77	125		78.21	11		<LOD	50		350.73	12					
[redacted]	06/07/06	3,729.32	78		79,243.67	1114		86.96	20		168.09	21		989.89	25					
[redacted]	06/07/06	295.92	15		5,349.04	73		49.43	6		141.31	16		123.36	6					
[redacted]	06/07/06	<LOD	255		2,440.00	160		<LOD	35		NA			<LOD	36					
[redacted]	06/07/06	NA			NA			NA			<LOD	67		NA						
[redacted]	06/07/06	9,010.60	180		110,930.62	1839		661.02	63		460.30	28		7,613.15	141					
[redacted]	06/07/06	1,518.33	46		73,100.34	1053		<LOD	150		117.70	20		6,931.34	112					
[redacted]	06/07/06	1,453.54	49		96,655.13	1483		285.37	56		258.75	22		7,556.78	129		11,000	150	200	68,000
[redacted]	06/07/06	671.54	30		56,865.23	787		235.46	36		167.71	19		3,640.37	62					
[redacted]	06/07/06	2,799.36	65		63,479.63	904		<LOD	194		129.36	19		11,906.59	180					
[redacted]	06/07/06	2,309.59	53		46,476.98	620		<LOD	153		70.24	18		8,573.24	124					
[redacted]	06/07/06	154.00	11		7,286.12	84		51.95	8		1,422.92	22		265.51	8					
[redacted]	06/07/06	<LOD	285		4,067.20	200		<LOD	43		NA			138.00	31					
[redacted]	06/07/06	NA			NA			NA			507.20	120		NA						
[redacted]	06/14/06	2,874.02	59		18,895.11	260		170.71	28		87.45	17		2,468.32	43					
[redacted]	06/14/06	311.54	15		6,401.36	81		<LOD	24		111.22	15		265.95	9					
[redacted]	06/14/06	105.19	13		9,115.43	125		<LOD	29		<LOD	49		327.76	11					
[redacted]	06/14/06	28.70	9		1,862.59	32		<LOD	12		<LOD	43		50.01	4					
[redacted]	06/14/06	<LOD	88		142.00	35		<LOD	20		NA			21.50	13					
[redacted]	06/14/06	NA			NA			NA			<LOD	30		NA						
[redacted]	06/14/06	<LOD	110		107.20	39		<LOD	20		NA			<LOD	21		14	6.5	0.12 B	67
[redacted]	06/14/06	NA			NA			NA			<LOD	52		NA						
[redacted]	06/13/06				16,281.00	215		60.00	18		<LOD	49		1,127.00	23					
[redacted]	06/13/06				11,470.00	167		53.00	14		<LOD	52		602.00	17					
[redacted]	06/13/06				11,037.00	121		<LOD	32		<LOD	39		616.00	13					
[redacted]	06/13/06				3,052.00	45		<LOD	16		<LOD	44		108.00	6					
[redacted]	06/13/06				111.00	7		<LOD	8		<LOD	40		16.00	3		16	4.8	0.2 B	51
[redacted]	06/13/06				63.00	5		9.00	3		<LOD	40		14.00	3					
[redacted]	06/13/06	<LOD	118		<LOD	58		<LOD	20		NA			<LOD	21					
[redacted]	06/13/06	NA			NA			NA			<LOD	56		NA						
[redacted]	06/14/06	3,423.04	269		162,997.00	8138		<LOD	461		<LOD	190		5,373.65	314					
[redacted]	06/14/06	3,758.31	94		115,226.04	1945		298.72	58		<LOD	70		6,574.56	126					
[redacted]	06/14/06	1,180.00	35		61,038.83	774		<LOD	70		97.31	17		1,853.38	34					
[redacted]	06/14/06	<LOD	330		3,760.00	150		45.10	22		NA			103.90	22					
[redacted]	06/14/06	NA			NA			NA			<LOD	71		NA						
[redacted]	06/14/06	<LOD	114		665.60	59		<LOD	21		NA			29.50	15		14	7.3	3.3	720
[redacted]	06/14/06	NA			NA			NA			<LOD	40		NA						
[redacted]	06/14/06	2,696.32	69		80,564.91	1261		358.33	48		196.76	22		5,193.28	94					
[redacted]	06/14/06	1,158.49	34		55,261.42	690		262.39	30		313.84	16		3,125.44	49					
[redacted]	06/14/06	280.86	16		7,156.37	94		47.85	14		468.12	18		877.39	18					
[redacted]	06/14/06	828.82	26		34,733.24	396		223.16	24		248.94	16		2,455.70	37					
[redacted]	06/14/06	1,049.67	27		24,062.55	266		74.79	18		136.26	14		1,576.84	25					
[redacted]	06/14/06	<LOD	180		3,539.20	140		<LOD	25		NA			38.30	17					
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[redacted]	06/14/06	361.20	130		3,179.20	130		<LOD	23		NA			32.40	17					
[redacted]	06/14/06	NA			NA			NA			86.50	58		NA						
[redacted]	06/07/06	1,399.50	43		39,951.79	581		817.68	64		520.38	23		10,818.31	166					
[redacted]	06/07/06	711.71	35		58,179.76	894		1,298.57	74		6,125.27	101		11,758.61	191					
[redacted]	06/07/06	453.14	22		29,622.57	373		57.67	12		2,850.52	43		444.74	13					
[redacted]	06/07/06	1,001.83	32		42,222.57	550		137.36	21		58.79	17		1,411.79	28					
[redacted]	06/07/06	828.64	26		40,590.30	470		59.67	16		47.59	15		1,018.50	20		1,800	66	60	42,000
[redacted]	06/07/06	157.75	13		8,276.24	107		63.90	15		346.88	17		924.73	19					
[redacted]	06/07/06	290.20	17		10,013.18	130		<LOD	73		<LOD	46		2,483.22	38					
[redacted]	06/07/06	<LOD	116		1,260.00	72		<LOD	19		NA			20.60	13					
[redacted]	06/07/06	NA			NA			NA			<LOD	68		NA						
[redacted]	06/06/06	1,510.86	45		62,507.27	896		249.14	39		65.31	20		3,999.70	69					
[redacted]	06/06/06	1,347.36	35		31,295.34	384		149.48	31		<LOD	48		3,634.05	54					
[redacted]	06/06/06	1,702.22	51		98,506.74	1445		<LOD	107		65.87	20		3,324.06	62					
[redacted]	06/06/06	1,245.21	33		38,726.37	485		<LOD	68		<LOD	47		2,063.42	34					
[redacted]	06/06/06	<LOD	23		961.95	19		<LOD	7		<LOD	40		13.25	3					
[redacted]	06/06/06	<LOD	22		3,209.73	43		<LOD	7		<LOD	40		8.49	3		3.7	4.6	20	1,300
[redacted]	06/06/06	<LOD	23		3,421.78	45		<LOD	8		<LOD	40		22.46	3					
[redacted]	06/06/06	<LOD	133		598.40	64		<LOD	21		NA			<LOD	20					
[redacted]	06/06/06	NA			NA			NA			<LOD	50		NA						
[redacted]	06/19/06	4,129.02	251		<LOD	151		<LOD	84		<LOD	128		371.14	40					
[redacted]	06/19/06	4,129.02	251		<LOD	151		<LOD	84		<LOD	128		371.14	40					
[redacted]	06/19/06	3,662.83	231		<LOD	133		<LOD	79		<LOD	125		383.86	38		20	7	50	4,200
[redacted]	06/19/06	3,662.83	231		<LOD	133		<LOD	79		<LOD	125		383.86	38					
[redacted]	06/19/06	3,624.51	221		<LOD	125		<LOD	72		<LOD	116		276.25	34					
[redacted]	06/19/06	3,624.51	221		<LOD	125		<LOD	72		<LOD	116		276.25	34					
[redacted]	06/19/06	3,762.57	231		<LOD	134		<LOD	79		<LOD	124		395.14	39					
[redacted]	06/19/06	3,762.57	231		<LOD	134		<LOD	79		<LOD	124		395.14	39					
[redacted]	06/19/06	4,296.62	254		<LOD	145		<LOD	81		<LOD	130		352.36	39					
[redacted]	06/19/06	4,296.62	254		<LOD	145		<LOD	81		<LOD	130		352.36	39					
[redacted]	06/06/06	2,627.96	71		10,543.91	198		573.23	41		<LOD	67		2,877.61	62					
[redacted]	06/06/06	7,706.69	126		13,332.01	195		577.85	32		<LOD	54		2,526.32	45		9,900	470	6.7	21,000
[redacted]	06/06/06	3,297.89	65		9,436.45	139		263.38	19		<LOD	52		911.44	22					
[redacted]	06/06/06	9,105.79	150		9,559.07	151		425.56	20		<LOD	55		742.66	20					
[redacted]	06/06/06	15,308.17	274		30,137.43	502		703.44	27		<LOD	65		688.45	23					
[redacted]	06/06/06	6,299.83	84		5,946.88	76		167.25	10		50.94	15		328.13	10					
[redacted]	06/06/06	3,115.84	49		4,271.92	58		26.59	6		<LOD	42		170.84	7					

EX 6

91 REDACTIONS

Appendix N
Subsurface Soil XRF Results and Corresponding Laboratory Results
Old American Zinc Plant Site, Fairmont City, Illinois

																		Laboratory Verification Sample Results (mg/kg)			
Sample ID	Sample Date	Cu	(+/-)	Cu Avg	Zn	(+/-)	Zn Avg	As	(+/-)	As Avg	Cd	(+/-)	Cd Avg	Pb	(+/-)	Pb Avg	Pb	As	Cd	Zn
[redacted]	06/06/06	<LOD	270		6,067.20	230		<LOD	27		NA			<LOD	26					
[redacted]	06/06/06	NA			NA			NA			<LOD	83		NA						
[redacted]	06/09/06	47.84			406.80			47.12			31.37			756.08						
[redacted]	06/09/06	247.60			2,662.11			106.81			-13.69			1,429.92						
[redacted]	06/09/06	7,804.96			163,850.70			-123.11			540.30			6,895.71						
[redacted]	06/09/06	6,174.98			69,096.74			63.09			261.43			3,627.85						
[redacted]	06/09/06	1,556.58			28,631.80			94.96			194.73			1,947.66						
[redacted]	06/09/06	1,909.18			45,516.34			218.69			652.93			3,840.55						
[redacted]	06/09/06	283.80	130		6,297.60	170		<LOD	34		NA			212.80	26					
[redacted]	06/09/06	NA			NA			NA			<LOD	67		NA						
[redacted]	06/09/06	47.48	9		131.96	8		37.79	10		<LOD	44		428.47	12					
[redacted]	06/09/06	3,246.95	63		33,575.95	440		364.58	38		127.69	18		4,227.86	65					
[redacted]	06/09/06	1,263.65	30		23,879.32	269		136.68	17		274.13	16		1,320.28	23					
[redacted]	06/09/06	611.55	22		23,953.94	284		<LOD	68		247.97	16		2,221.96	35		2,900	26	200	16,000
[redacted]	06/09/06	229.35	13		6,775.56	80		161.93	18		43.87	13		1,751.19	26					
[redacted]	06/09/06	238.76	12		6,538.82	73		84.17	11		<LOD	38		631.81	12					
[redacted]	06/09/06	641.94	18		10,363.74	110		48.09	16		<LOD	38		1,550.73	22					
[redacted]	06/09/06	576.57	17		9,264.76	98		<LOD	42		<LOD	37		1,367.20	20					
[redacted]	06/09/06	<LOD	130		1,929.60	89		<LOD	22		NA			67.60	17					
[redacted]	06/09/06	NA			NA			NA			<LOD	79		NA						
[redacted]	06/09/06	14,945.09			27,664.45			468.10			49.10			1,787.60						
[redacted]	06/09/06	10,728.82			139,116.70			-51.95			339.50			9,975.91			20,000	450	490	110,000
[redacted]	06/09/06	4,034.76			90,155.65			20.31			257.00			4,729.70						
[redacted]	06/09/06	2,808.85			82,498.42			-64.41			176.71			1,551.41						
[redacted]	06/09/06	2,181.07			93,548.03			-80.08			19.05			1,221.03						
[redacted]	06/09/06	3,121.06			42,301.11			-18.43			228.06			1,035.67						
[redacted]	06/09/06	334.72			9,534.60			26.04			325.97			258.80						
[redacted]	06/09/06	<LOD	195		4,588.80	150		<LOD	19		NA			<LOD	20					
[redacted]	06/09/06	NA			NA			NA			82.50	42		NA						
[redacted]	06/09/06	21.02			3,043.68			-0.97			51.05			18.84						
[redacted]	06/12/06	100.90	11		1,004.33	22		<LOD	31		<LOD	44		478.22	12					
[redacted]	06/12/06	1,444.83	33		13,207.64	162		86.64	17		115.02	16		1,250.87	23					
[redacted]	06/12/06	80.58	10		8,698.52	102		52.50	7		<LOD	42		196.59	7					
[redacted]	06/12/06	50.08	8		1,933.01	30		<LOD	21		44.19	13		274.88	8					
[redacted]	06/12/06	<LOD	20		763.61	16		<LOD	9		<LOD	38		38.85	3		17	1.5	1.1	390
[redacted]	06/12/06	<LOD	21		64.02	5		<LOD	7		<LOD	37		11.95	3					
[redacted]	06/12/06	<LOD	21		453.76	12		<LOD	8		<LOD	38		23.86	3					
[redacted]	06/12/06	<LOD	21		130.58	7		<LOD	8		<LOD	38		18.55	3					
[redacted]	06/12/06	<LOD	20		349.68	10		<LOD	7		<LOD	37		15.80	3		550	4.8	44	32,000
[redacted]	06/12/06	1,918.91	84		246,064.17	5078		<LOD	136		389.18	31		2,625.52	73					
[redacted]	06/12/06	<LOD	210		5,049.60	170		<LOD	33		NA			130.10	24					
[redacted]	06/12/06	NA			NA			NA			<LOD	46		NA						
[redacted]	06/13/06				41,563.00	638		869.00	63		725.00	21		9,226.00	151					
[redacted]	06/13/06				>10%	6136		2,188.00	131		645.00	40		14,135.00	350					
[redacted]	06/13/06				>10%	1916		3,413.00	158		1,101.00	37		31,831.00	816					
[redacted]	06/13/06				36,052.00	444		<LOD	95		217.00	17		3,848.00	57					
[redacted]	06/13/06				7,096.00	99		73.00	18		175.00	16		1,199.00	23					
[redacted]	06/13/06	<LOD	165		2,729.60	120		<LOD	27		NA			65.90	19					
[redacted]	06/13/06	NA			NA			NA			279.20	88		NA			81	7.4	650	6,000
[redacted]	06/13/06				>10%	2134		795.00	73		411.00	26		9,680.00	180					
[redacted]	06/13/06				64,270.00	938		523.00	57		525.00	21		8,490.00	135					
[redacted]	06/13/06				72,795.00	1099		680.00	63		210.00	21		9,386.00	154					
[redacted]	06/13/06				67,472.00	987		643.00	57		288.00	21		8,151.00	131					
[redacted]	06/13/06				56,571.00	843		561.00	50		464.00	23		5,949.00	100					
[redacted]	06/13/06				85,360.00	1314		658.00	58		1,212.00	32		7,463.00	123					
[redacted]	06/13/06	<LOD	180		5,779.20	160		61.60	27		NA			289.60	29		110	8.5	1,800	7,500
[redacted]	06/13/06	NA			NA			NA			2,209.60	250		NA						
[redacted]	06/13/06	<LOD	225		4,368.00	170		45.70	30		NA			251.60	33					
[redacted]	06/13/06	NA			NA			NA			840.80	120		NA						
[redacted]	06/13/06				4,342.00	58		89.00	9		263.00	15		367.00	10					
[redacted]	06/13/06				15,441.00	186		130.00	19		64.00	15		1,548.00	26					
[redacted]	06/13/06				38,868.00	538		<LOD	82		236.00	20		2,263.00	42					
[redacted]	06/13/06				1,807.00	32		<LOD	11		<LOD	44		30.00	4					
[redacted]	06/13/06				1,198.00	22		<LOD	8		<LOD	40		13.00	3					
[redacted]	06/13/06				2,737.00	41		<LOD	9		133.00	14		13.00	3					
[redacted]	06/13/06	<LOD	210		2,600.00	120		<LOD	23		NA			44.50	18					
[redacted]	06/13/06	NA			NA			NA			280.60	87		NA						
[redacted]	06/13/06				3,161.00	43		<LOD	8		82.00	14		16.00	3					
[redacted]	06/13/06				1,319.00	24		<LOD	8		<LOD	41		12.00	3					
[redacted]	06/13/06				113.00	9		<LOD	12		<LOD	54		26.00	5					
[redacted]	06/07/06	376.93	17		6,966.58	92		88.15	14		<LOD	45		807.27	17					
[redacted]	06/07/06	166.21	12		2,315.24	36		<LOD	22		<LOD	40		236.02	8					
[redacted]	06/07/06	177.35	13		5,079.05	70		<LOD	40		<LOD	44		821.27	17					
[redacted]	06/07/06	94.83	11		1,266.71	26		<LOD	17		<LOD	44		116.08	8		150	5.7	2.7	750
[redacted]	06/07/06	124.93	12		5,001.95	67		64.83	7		53.41	14		185.72	8					
[redacted]	06/07/06	591.73	22		18,265.36	219		82.20	15		<LOD	46		940.14	19					
[redacted]	06/07/06	34.02	8		638.79	15		<LOD	11		<LOD	40		56.95	4					
[redacted]	06/07/06	<LOD	23		492.53	13		<LOD	9		<LOD	40		26.09	3					
[redacted]	06/07/06	<LOD	180		1,209.60	94		<LOD	25		NA			<LOD	26					
[redacted]	06/07/06	NA			NA			NA			<LOD	56		NA						
[redacted]	06/06/06				26,888.00	400		199.00	28		<LOD	57		1,998.00	41					
[redacted]	06/06/06				14,498.00	202		167.00	29		<LOD	51		2,799.00	47					
[redacted]	06/06/06				25,189.00	319		<LOD	133		164.00	17		7,578.00	103					
[redacted]	06/06/06	373.40	120		3,859.20	140		64.10	31		NA			393.60	34					
[redacted]	06/06/06	NA			NA			NA			<LOD	49		NA						
[redacted]	06/06/06	208.20	99		1,640.00	94		<LOD	32		NA			130.20	24					
[redacted]	06/06/06	NA			NA			NA			<LOD	58		NA						
[redacted]	06/06/06				11,519.00	202		167.00	29		<LOD	46		3,936.00	56					
[redacted]	06/06/06				29,456.00	202		185.00	29		<LOD	50		2,900.00	47					
[redacted]	06/06/06				77,575.00	1026		98.00	13		<LOD	53		423.00	14					
[redacted]	06/06/06				74,982.00	1028		88.00	16		59.00	18		691.00	19					
[redacted]	06/06/06	1,828.91	59		102,886.61	1672		257.86	74		<LOD	65		11,876.82	206					
[redacted]	06/06/06	903.85	40		105,446.32	1601		<LOD	109		<LOD	61		3,163.20	61					
[redacted]	06/06/06				>10%	3908		<LOD	298		<LOD	82		13,719.00	296		19,000	150	63	80,000
[redacted]	06/06/06	1,423.93	42		74,306.11	993		<LOD	117		<LOD	53		4,926.27	77					
[redacted]	06/20/06	1,969.60	130		2,019.20	90		<LOD	26		NA			117.50	18					
[redacted]	06/20/06	NA			NA			NA			<LOD	31		NA						
[redacted]	06/20/06	812.40	84		1,509.60	70		<LOD	14		NA			14.80	10					
[redacted]	06/20/06	NA			NA			NA			55.20	31		NA						

EX 6

91 REDACTIONS

Appendix N
Subsurface Soil XRF Results and Corresponding Laboratory Results
Old American Zinc Plant Site, Fairmont City, Illinois

Sample ID	Sample Date	Cu	(+/-)	Cu Avg	Zn	(+/-)	Zn Avg	As	(+/-)	As Avg	Cd	(+/-)	Cd Avg	Pb	(+/-)	Pb Avg	Laboratory Verification Sample Results (mg/kg) Pb	As	Cd	Zn
[redacted]	06/20/06	NA			NA			NA			<LOD	28		NA						
[redacted]	06/20/06	944.80	96		2,539.20	85		<LOD	16		NA			18.20	10					
[redacted]	06/20/06	732.40	83		3,408.00	83		<LOD	13		NA			27.20	8					
[redacted]	06/20/06	NA			NA			NA			<LOD	30		NA						
[redacted]	06/20/06	NA			NA			NA			41.00	23		NA			21	8.3	44	6,100
[redacted]	06/20/06	2,019.20	130		3,638.40	110		<LOD	24		NA			86.10	15					
[redacted]	06/20/06	388.00	97		3,747.20	100		<LOD	15		NA			14.10	9					
[redacted]	06/20/06	NA			NA			NA			33.70	20		NA						
[redacted]	06/20/06	NA			NA			NA			<LOD	25		NA						
[redacted]	06/20/06	428.80	85		2,539.20	84		<LOD	16		NA			40.80	11					
[redacted]	06/20/06	NA			NA			NA			<LOD	30		NA						
[redacted]	06/20/06	398.60	100		3,680.00	110		<LOD	15		NA			<LOD	15					
[redacted]	06/20/06	384.60	71		1,289.80	81		<LOD	15		NA			<LOD	13					
[redacted]	06/20/06	NA			NA			NA			<LOD	26		NA						
[redacted]	06/19/06	2,139.20	130		2,569.60	97		<LOD	48		NA			812.00	37					
[redacted]	06/19/06	NA			NA			NA			<LOD	30		NA						
[redacted]	06/19/06	NA			NA			NA			<LOD	27		NA						
[redacted]	06/19/06	1,560.00	140		2,400.00	110		<LOD	45		NA			526.40	35					
[redacted]	06/19/06	1,529.60	110		2,499.20	92		40.00	24		NA			420.80	27		470	22	42	3,900
[redacted]	06/19/06	NA			NA			NA			39.00	22		NA						
[redacted]	06/19/06	NA			NA			NA			<LOD	31		NA						
[redacted]	06/19/06	1,160.00	57		2,240.00	47		25.20	12		NA			376.20	14					
[redacted]	06/19/06	1,020.00	90		1,859.20	73		<LOD	42		NA			727.20	32					
[redacted]	06/19/06	NA			NA			NA			<LOD	25		NA						
[redacted]	06/19/06	NA			NA			NA			<LOD	23		NA						
[redacted]	06/19/06	1,060.00	99		1,739.20	78		<LOD	46		NA			794.00	36					
[redacted]	06/19/06	1,249.60	89		1,769.60	68		<LOD	31		NA			414.00	23					
[redacted]	06/19/06	NA			NA			NA			35.90	21		NA						
[redacted]	06/19/06	NA			NA			NA			<LOD	25		NA			110	7	23	1,900
[redacted]	06/19/06	NA			NA			NA			<LOD	33		NA						
[redacted]	06/19/06	928.80	84		1,160.00	61		<LOD	15		NA			33.20	10					
[redacted]	06/19/06	1,974.27	38		5,486.34	69		<LOD	34		81.28	14		697.79	14					
[redacted]	06/19/06	3,090.57	49		4,962.75	65		113.53	13		<LOD	43		702.64	15		460	14	52	5,600
[redacted]	06/19/06	511.77	19		4,161.50	59		28.18	7		102.03	15		175.73	7					
[redacted]	06/19/06	1,825.34	43		4,703.75	77		<LOD	46		62.63	18		817.50	20		150	10	61	6,000
[redacted]	06/19/06	44.67	14		3,568.11	77		<LOD	15		<LOD	65		22.72	5					
[redacted]	06/19/06	3,321.69	53		4,534.53	62		58.58	17		<LOD	43		1,332.55	22					
[redacted]	06/19/06	1,205.53	25		2,102.08	31		<LOD	17		<LOD	39		174.72	6					
[redacted]	06/19/06	872.94	25		1,733.51	32		<LOD	10		<LOD	46		20.72	4					
[redacted]	06/19/06	953.86	23		2,102.49	32		<LOD	11		<LOD	41		53.71	4					
[redacted]	06/19/06	739.98	26		2,340.76	46		<LOD	11		79.12	18		17.78	4		12	4.4	41	3,400
[redacted]	06/02/06	4,905.33	102		14,409.30	241		498.54	50		<LOD	63		5,570.15	99					
[redacted]	06/02/06	16,655.11	303		69,316.18	1151		279.27	80		<LOD	68		7,564.68	139					
[redacted]	06/02/06	2,866.70	73		61,000.60	968		687.64	88		172.78	22		17,821.97	291					
[redacted]	06/02/06	1,853.41	155		30,672.71	1205		19,612.80	1123		516.77	57		307,037.69	11576					
[redacted]	06/02/06	1,237.57	42		93,124.83	1324		179.95	31		276.66	21		2,542.05	48					
[redacted]	06/02/06	1,099.10	37		69,668.28	952		160.78	31		200.29	19		2,853.52	51					
[redacted]	06/02/06	487.50	21		28,874.34	337		<LOD	55		1,108.35	23		1,447.45	26					
[redacted]	06/02/06	<LOD	375		5,820.00	150		<LOD	27		NA			176.80	19					
[redacted]	06/02/06	NA			NA			NA			109.90	28		NA						
[redacted]	06/09/06	7,935.35	143		19,698.01	308		631.28	44		<LOD	60		4,485.96	79					
[redacted]	06/09/06	3,750.63	80		15,280.78	242		632.55	46		<LOD	59		4,950.41	85					
[redacted]	06/09/06	704.99	21		9,138.48	109		<LOD	56		<LOD	42		1,738.05	27		16,000	63	23	8,700
[redacted]	06/09/06	687.81	21		11,123.53	127		<LOD	28		<LOD	41		428.77	11					
[redacted]	06/09/06	128.55	11		1,384.02	26		65.31	9		317.08	16		388.27	11					
[redacted]	06/09/06	<LOD	150		2,009.60	100		<LOD	22		NA			<LOD	22					
[redacted]	06/09/06	NA			NA			NA			<LOD	44		NA						
[redacted]	06/12/06	3,184.85	67		6,164.90	102		1,550.35	91		<LOD	55		23,186.10	325					
[redacted]	06/12/06	2,355.29	60		5,098.34	96		317.15	31		<LOD	60		2,102.24	44					
[redacted]	06/12/06	<LOD	225		585.20	83		190.60	78		NA			2,028.80	99					
[redacted]	06/12/06	NA			NA			NA			<LOD	64		NA						
[redacted]	06/12/06	<LOD	138		160.10	49		<LOD	31		NA			74.20	22					
[redacted]	06/12/06	NA			NA			NA			<LOD	59		NA						
[redacted]	06/12/06	1,611.24	54		7,276.61	142		1,378.06	168		133.20	22		58,143.64	967					
[redacted]	06/12/06	97.20	16		1,271.61	32		476.59	84		<LOD	53		22,010.41	310					
[redacted]	06/12/06	66.74	9		4,366.98	50		<LOD	60		87.97	12		2,808.69	33					
[redacted]	06/12/06	28.67	8		206.51	8		<LOD	74		<LOD	38		4,156.89	47					
[redacted]	06/12/06	35.24	8		1,935.35	29		<LOD	18		279.56	14		198.60	7					
[redacted]	06/12/06	<LOD	180		976.00	95		112.40	47		NA			520.00	53					
[redacted]	06/12/06	NA			NA			NA			<LOD	50		NA						
[redacted]	06/12/06	<LOD	195		916.80	92		88.50	45		NA			525.60	52					
[redacted]	06/12/06	NA			NA			NA			<LOD	78		NA						
[redacted]	06/12/06	<LOD	300		2,769.60	200		3,219.20	380		NA			29,184.00	900					
[redacted]	06/12/06	NA			NA			NA			<LOD	57		NA						
[redacted]	06/13/06	1,090.83			2,518.55			558.21			14.51			934.44	5.0					
[redacted]	06/13/06	205.27			4,405.92			-37.07			-5.25			632.62	4.8					
[redacted]	06/13/06	8,961.01			86,431.55			-195.92			377.67			1,270.86	4.6					
[redacted]	06/13/06	9,328.88			85,604.83			-221.57			312.86			856.04	4.0					
[redacted]	06/13/06	<LOD	141		1,819.20	91		<LOD	20		NA			<LOD	22		42	8	83	3,700
[redacted]	06/13/06	NA			NA			NA			<LOD	53		NA						
[redacted]	06/12/06	2,502.98	55		31,893.41	431		172.27	21		<LOD	53		1,248.51	27					
[redacted]	06/12/06	237.23	18		32,713.78	405		<LOD	44		92.84	17		798.13	18					
[redacted]	06/12/06	63.35	10		3,723.98	52		<LOD	21		<LOD	43		232.33	8					
[redacted]	06/12/06	1,703.23	45		32,099.41	448		359.44	44		59.58	18		5,741.08	90					
[redacted]	06/12/06	1,661.49	39		34,218.23	421		278.13	35		<LOD	49		4,422.61	64					
[redacted]	06/12/06	409.92	17		9,733.18	113		108.51	20		<LOD	41		2,138.23	31					
[redacted]	06/12/06	<LOD	225		2,188.80	140		<LOD	48		NA			162.00	34		39	10	210	5,700
[redacted]	06/12/06	NA			NA			NA			247.40	78		NA						
[redacted]	06/12/06	4,458.82	80		18,805.73	258		262.46	21		89.65	18		1,187.02	25					
[redacted]	06/12/06	2,052.50	110		361,271.22	9101		284.29	65		639.37	43		3,575.89	113					
[redacted]	06/12/06	3,096.20	227		941,461.94	35239		<LOD	198		1,903.20	100		1,595.09	91					
[redacted]	06/12/06	1,088.90	62		213,134.20	4186		<LOD	149		1,262.27	42		3,606.17	88					
[redacted]	06/12/06	154.19	12		9,766.63	111		214.40	22		69.89	14		2,539.31	34					
[redacted]	06/12/06	101.19	11		11,096.79	126		133.54	11		729.65	18		561.88	13					
[redacted]	06/12/06	<LOD	255		9,337.60	240		83.90	38		NA			616.40	44		120	9.4	320	12,000
[redacted]	06/12/06	NA			NA			NA			111.70	55		NA						
[redacted]	06/12/06	<LOD	240		5,148.80	200		<LOD	31		NA			51.70	21					
[redacted]	06/12/06	NA			NA			NA			<LOD	89		NA						
[redacted]	06/13/06				56,926.00	838		194.00	26		314.00	22		1,580.00	35					

EX 6

91 REDACTIONS

Appendix N
Subsurface Soil XRF Results and Corresponding Laboratory Results
Old American Zinc Plant Site, Fairmont City, Illinois

Sample ID	Sample Date	Cu	(+/-)	Cu Avg	Zn	(+/-)	Zn Avg	As	(+/-)	As Avg	Cd	(+/-)	Cd Avg	Pb	(+/-)	Pb Avg	Laboratory Verification Sample Results (mg/kg) Pb	As	Cd	Zn
[redacted]	06/13/06				79,761.00	1403		524.00	36		128.00	24		1,931.00	488					
[redacted]	06/13/06				>10%	4201		336.00	60		1,172.00	42		4,873.00	116					
[redacted]	06/13/06				>10%	27206		<LOD	184		3,413.00	143		1,590.00	85					
[redacted]	06/13/06				2,720.00	110		<LOD	22		176.00	98		<LOD	21		62	11	300	5,600
[redacted]	06/13/06	<LOD	185		2,720.00	110		<LOD	22		NA			<LOD	21					
[redacted]	06/13/06	NA			NA			NA			176.30	98		NA						
[redacted]	06/07/06	278.65	16		1,686.80	33		23.62	7		<LOD	48		156.26	8					
[redacted]	06/07/06	2,179.82	53		58,915.07	814		240.18	35		388.20	21		3,449.97	59					
[redacted]	06/07/06	521.57	20		9,266.18	117		60.96	18		185.33	16		1,347.59	24					
[redacted]	06/07/06	793.51	26		13,208.96	174		148.25	29		66.08	16		3,287.02	50					
[redacted]	06/07/06	1,900.25	49		52,981.82	728		<LOD	159		<LOD	55		8,627.27	129		18,000	200	94	55,000
[redacted]	06/07/06	<LOD	180		1,420.00	88		<LOD	26		NA			68.50	19					
[redacted]	06/07/06	NA			NA			NA			<LOD	48		NA						
[redacted]	06/06/06				878.00	21		<LOD	20		<LOD	46		168.00	7					
[redacted]	06/06/06				11,797.00	152		133.00	20		90.00	16		1,555.00	28		1,300	40	100	9,800
[redacted]	06/06/06				42,809.00	551		<LOD	68		77.00	17		3,016.00	49					
[redacted]	06/06/06				62,007.00	400		<LOD	75		61.00	18		2,015.00	37					
[redacted]	06/06/06				64,168.00	863		91.00	30		66.00	18		2,692.00	47					
[redacted]	06/06/06				54,399.00	707		<LOD	89		57.00	17		2,931.00	49					
[redacted]	06/06/06				27,610.00	339		73.00	21		48.00	15		2,003.00	32					
[redacted]	06/06/06				11,919.00	134		11.00	4		<LOD	42		38.00	4					
[redacted]	06/06/06	<LOD	180		2,219.20	120		<LOD	23		NA			<LOD	24					
[redacted]	06/06/06	NA			NA			NA			<LOD	58		NA						
[redacted]	06/05/06	NA			9,128.00	177		204.20	44		<LOD	52		1,453.00	58					
[redacted]	06/05/06	2,883.36	57		10,047.88	143		160.11	20		<LOD	52		1,335.23	27					
[redacted]	06/05/06	NA			9,537.00	137		395.00	258		216.00	15		944.00	36					
[redacted]	06/05/06	354.33	16		14,384.03	161		<LOD	45		216.37	15		1,145.15	20					
[redacted]	06/05/06	NA			10,600.00	200		<LOD	81		<LOD	52		2,822.00	75					
[redacted]	06/05/06	351.53	19		7,242.26	106		<LOD	67		<LOD	52		1,795.04	33					
[redacted]	06/05/06	NA			13,500.00	200		49.90	19		40.00	12		328.70	248					
[redacted]	06/05/06				13,500.00	200		49.90	19		40.00	12		328.70	248					
[redacted]	06/05/06	NA			2,683.00	75		48.80	17		<LOD	37		332.60	22					
[redacted]	06/05/06				2,683.00	75		48.80	17		<LOD	37		332.60	22					
[redacted]	06/05/06	NA			4,573.00	106		11.40	7		<LOD	40		<LOD	14					
[redacted]	06/05/06				4,573.00	106		11.40	7		<LOD	40		<LOD	14					
[redacted]	06/05/06	458.80	180		3,259.20	95		<LOD	15		NA			<LOD	14		14	5.9	3.3	6,000
[redacted]	06/05/06	NA			NA			NA			<LOD	31		NA						
[redacted]	06/06/06	NA			NA			NA			<LOD	53		NA						
[redacted]	06/06/06	<LOD	114		677.20	59		<LOD	25		NA			83.70	19					
[redacted]	06/06/06	<LOD	127		806.40	84		<LOD	30		NA			121.30	22					
[redacted]	06/06/06	NA			NA			NA			<LOD	55		NA						
[redacted]	06/06/06	<LOD	165		519.60	76		<LOD	41		NA			122.00	30					
[redacted]	06/06/06	NA			NA			NA			<LOD	99		NA						
[redacted]	06/06/06	<LOD	113		755.20	60		<LOD	23		NA			52.40	16		42	7.4	27	1,700
[redacted]	06/06/06	NA			NA			NA			<LOD	40		NA						
[redacted]	06/06/06	<LOD	131		295.40	54		<LOD	23		NA			<LOD	23					
[redacted]	06/06/06	NA			NA			NA			<LOD	58		NA						
[redacted]	06/05/06	1,355.01	36		14,211.73	192		36.06	11		<LOD	50		370.00	12					
[redacted]	06/05/06	12,009.57	187		79,795.52	1081		<LOD	56		<LOD	55		995.88	24					
[redacted]	06/05/06	195.03	13		6,023.38	80		<LOD	11		<LOD	45		33.19	4					
[redacted]	06/05/06	615.20	210		4,169.60	110		<LOD	14		NA			<LOD	14		22	6.1	26	6,800
[redacted]	06/05/06	NA			NA			NA			<LOD	31		NA						
[redacted]	06/02/06	373.32	19		1,729.22	37		31.27	9		<LOD	52		214.07	9					
[redacted]	06/02/06	645.23	59		5,497.79	185		4,404.83	367		145.60	33		124,427.04	3012					
[redacted]	06/02/06	290.04	40		64,950.29	1292		<LOD	619		<LOD	80		67,162.48	1326					
[redacted]	06/02/06	277.43	19		18,954.35	258		53.21	16		55.54	18		809.19	20					
[redacted]	06/02/06	568.23	25		10,342.29	156		<LOD	35		<LOD	53		378.91	13					
[redacted]	06/02/06	1,451.72	39		30,919.91	420		74.29	18		75.99	18		996.21	23		470	7.6	30	8,300
[redacted]	06/02/06	2,528.84	51		14,433.32	192		47.85	11		<LOD	51		364.21	12					
[redacted]	06/02/06	1,065.48	24		894.72	20		17.42	4		<LOD	40		44.78	4					
[redacted]	06/02/06	2,369.60	210		1,269.60	69		<LOD	17		NA			33.20	11					
[redacted]	06/02/06	NA			NA			NA			<LOD	29		NA						
[redacted]	06/09/06	49.70	9		280.99	10		<LOD	13		<LOD	42		71.36	5					
[redacted]	06/09/06	1,980.05	47		6,024.63	97		156.41	16		<LOD	54		704.66	19					
[redacted]	06/09/06	4,682.87	101		44,065.23	705		241.82	34		<LOD	65		2,503.80	53					
[redacted]	06/09/06	15,880.09	306		94,266.22	1643		223.57	55		460.48	27		5,886.91	117					
[redacted]	06/09/06	804.40	30		52,505.13	679		75.52	22		189.29	18		1,578.99	31					
[redacted]	06/09/06	962.34	31		18,125.75	249		104.23	16		103.95	18		718.84	18					
[redacted]	06/09/06	249.00	110		3,129.60	120		42.10	19		NA			110.80	20		400	10	290	3,900
[redacted]	06/09/06	NA			NA			NA			<LOD	63		NA						
[redacted]	06/09/06	4,542.88	259		<LOD	140		<LOD	83		<LOD	128		424.62	41					
[redacted]	06/09/06	4,550.90	248		<LOD	134		<LOD	78		<LOD	121		341.53	37					
[redacted]	06/09/06	4,381.40	257		<LOD	143		<LOD	85		<LOD	129		412.08	41					
[redacted]	06/09/06	3,798.03	239		<LOD	140		<LOD	84		<LOD	128		432.69	41					
[redacted]	06/09/06	4,420.83	255		<LOD	138		<LOD	84		<LOD	127		416.37	41		4,000	51	100	7,300
[redacted]	06/09/06	<LOD	134		782.40	69		<LOD	22		NA			<LOD	23					
[redacted]	06/09/06	NA			NA			NA			<LOD	47		NA						
[redacted]	06/09/06	2,725.08			7,132.97			315.88			67.05			2,988.09						
[redacted]	06/09/06	2,395.09			7,656.15			663.81			45.15			29,957.72						
[redacted]	06/09/06	1,327.47			3,180.57			619.81			104.54			24,284.67						
[redacted]	06/09/06	212.59			1,475.65			69.21			78.90			1,452.00			350	32	4.5	440
[redacted]	06/09/06	319.73			1,708.84			25.56			66.79			1,527.35						
[redacted]	06/09/06	37.57			137.46			-5.13			-11.37			495.67						
[redacted]	06/09/06	283.29			451.61			0.51			24.89			123.00						
[redacted]	06/09/06	<LOD	210		538.80	70		<LOD	25		NA			62.10	18					
[redacted]	06/09/06	NA			NA			NA			<LOD	57		NA						
[redacted]	06/13/06				5,213.00	80		137.00	13		<LOD	50		460.00	14					
[redacted]	06/13/06				9,758.00	161		292.00	20		<LOD	59		731.00	21					
[redacted]	06/13/06				7,938.00	141		401.00	25		<LOD	61		1,052.00	28					
[redacted]	06/13/06				6,454.00	115		430.00	21		<LOD	60		624.00	20					
[redacted]	06/13/06	<LOD	180		790.80	67		<LOD	76		NA			772.00	63		29	13	34	980
[redacted]	06/13/06	NA			NA			NA			<LOD	70		NA						
[redacted]	06/13/06	727.80	240		2,859.20	160		110.80	46		NA			489.20	51					
[redacted]	06/13/06	NA			NA			NA			<LOD	79		NA						
[redacted]	06/13/06	<LOD	117		687.20	61		<LOD	22		NA			<LOD	22					
[redacted]	06/13/06	NA			NA			NA			<LOD	48		NA						
[redacted]	06/13/06	312.07			1,479.99			28.24			3.03			222.28	19.9					
[redacted]	06/13/06	2,824.34			10,000.08			297.00			-10.97			1,087.84	20.2					
[redacted]	06/13/06	1,988.29			7,226.11			366.38			66.88			910.05	12.5					

EX 6

91 REDACTIONS

Appendix N
Subsurface Soil XRF Results and Corresponding Laboratory Results
Old American Zinc Plant Site, Fairmont City, Illinois

Sample ID	Sample Date	Cu	(+/-)	Cu Avg	Zn	(+/-)	Zn Avg	As	(+/-)	As Avg	Cd	(+/-)	Cd Avg	Pb	(+/-)	Pb Avg	Laboratory Verification Sample Results (mg/kg) Pb	As	Cd	Zn
[redacted]	06/13/06	1,701.59			7,664.01			131.79			34.77			3,397.24	10.1					
[redacted]	06/13/06	1,734.78			9,245.70			88.68			1.26			3,529.29	6.8					
[redacted]	06/13/06	<LOD	195		5,840.00	170		<LOD	62		NA			884.80	50		1,700	30	130	19,000
[redacted]	06/13/06	NA			NA			NA			80.70	45		NA						
[redacted]	06/13/06	<LOD	94		543.20	47		<LOD	25		NA			109.40	18					
[redacted]	06/13/06	NA			NA			NA			<LOD	39		NA						
[redacted]	06/12/06	46.30			423.02			26.49			74.99			293.28	13.6					
[redacted]	06/12/06	1,955.11			24,294.03			47.21			182.02			4,388.18	10.2					
[redacted]	06/12/06	333.37			22,053.81			4.34			117.11			684.04	8.5					
[redacted]	06/12/06	15.69			3,889.38			27.22			53.93			205.07	6.9					
[redacted]	06/12/06	1,003.80			57,127.32			-81.23			19.71			1,298.61	5.7					
[redacted]	06/12/06	763.49			23,688.19			-43.56			22.12			1,541.05	1.7		5,400	29	190	48,000
[redacted]	06/12/06	<LOD	225		5,619.20	190		<LOD	34		NA			117.60	24					
[redacted]	06/12/06	NA			NA			NA			<LOD	55		NA						
[redacted]	06/08/06	278.94	15		1,440.99	29		59.72	7		<LOD	48		157.76	7					
[redacted]	06/08/06	647.98	24		3,064.11	53		54.57	10		<LOD	50		291.34	11					
[redacted]	06/08/06	4,626.81	88		7,191.08	117		299.84	21		<LOD	55		982.62	24					
[redacted]	06/08/06	5,273.23	87		7,516.33	110		263.78	17		<LOD	49		736.80	18					
[redacted]	06/08/06	6,582.91	116		8,248.57	133		466.03	24		<LOD	56		1,102.73	26		1,900	140	35	25,000
[redacted]	06/08/06	499.59	20		2,063.83	39		<LOD	21		<LOD	48		170.77	8					
[redacted]	06/08/06	277.47	13		4,574.32	55		76.01	17		<LOD	38		1,826.90	25					
[redacted]	06/08/06	32.26	9		535.90	15		<LOD	48		<LOD	43		1,328.72	22					
[redacted]	06/08/06	272.84	14		4,126.84	55		<LOD	101		<LOD	42		6,277.18	72					
[redacted]	06/08/06	NA			NA			NA			<LOD	71		NA						
[redacted]	06/08/06	5,668.23	99		8,319.27	129		252.83	20		<LOD	53		967.12	23					
[redacted]	06/08/06	5,069.16	99		9,714.51	161		306.17	21		<LOD	59		866.37	24					
[redacted]	06/08/06	6,612.59	105		9,716.80	138		126.22	24		<LOD	50		1,968.76	35					
[redacted]	06/08/06	351.57	21		8,271.80	123		283.52	76		65.35	17		19,831.01	265					
[redacted]	06/08/06	1,036.83	32		10,379.99	146		382.13	75		138.29	18		20,236.89	263		5,900	18	16	1,100
[redacted]	06/08/06	68.83	10		5,009.17	62		<LOD	55		44.48	13		1,917.35	27					
[redacted]	06/08/06	NA			NA			NA			<LOD	71		NA						
[redacted]	06/08/06	1,804.54	47		28,171.49	418		376.87	45		88.03	19		5,821.16	90					
[redacted]	06/08/06	1,338.74	40		22,712.19	331		<LOD	238		84.18	19		18,909.82	272					
[redacted]	06/08/06	269.57	14		2,738.81	42		57.19	13		<LOD	42		849.50	17		2,500	84	8.3	2,500
[redacted]	06/08/06	1,089.84	27		8,463.23	105		92.62	22		<LOD	44		2,342.17	34					
[redacted]	06/08/06	701.62	21		9,296.17	110		<LOD	59		<LOD	44		1,931.92	29					
[redacted]	06/08/06	98.80	10		2,774.02	39		25.83	5		<LOD	40		129.30	6					
[redacted]	06/08/06	NA			NA			NA			<LOD	59		NA						
[redacted]	06/08/06	855.38	34		21,273.06	332		349.74	35		<LOD	59		3,005.78	57					
[redacted]	06/08/06	457.94	22		3,279.59	58		102.72	20		<LOD	53		1,217.04	26					
[redacted]	06/08/06	1,029.17	29		5,284.07	76		<LOD	132		<LOD	46		8,730.46	111		1,000	11	30	2,500
[redacted]	06/08/06	108.92	11		3,558.92	49		27.39	9		<LOD	41		343.04	10					
[redacted]	06/08/06	46.54	9		5,539.12	65		15.10	4		250.47	14		36.59	4					
[redacted]	06/08/06	NA			NA			NA			<LOD	84		NA						
[redacted]	06/08/06	5,562.71	98		20,557.12	290		239.73	25		<LOD	54		1,800.24	35					
[redacted]	06/08/06	525.67	26		22,112.97	327		182.90	25		186.21	20		1,644.53	34					
[redacted]	06/08/06	828.63	39		21,311.95	356		822.34	92		130.85	23		18,663.93	309		23,000	35	110	15,000
[redacted]	06/08/06	<LOD	240		917.60	96		<LOD	74		NA			764.00	61					
[redacted]	06/08/06	<LOD	24		1,303.20	24		-102.90	12		<LOD	41		636.21	13					
[redacted]	06/08/06	<LOD	112		612.00	58		<LOD	26		NA			122.50	20					
[redacted]	06/08/06	65.83			3,765.00			-4.45			70.59			634.06						
[redacted]	06/08/06	3,224.73			149,133.25			-47.30			127.65			9,975.72						
[redacted]	06/08/06	436.37			26,316.53			37.26			160.47			2,891.77						
[redacted]	06/08/06	689.57			68,148.89			651.21			267.95			15,782.77						
[redacted]	06/08/06	0.09			2,440.32			-15.74			-3.77			614.65						
[redacted]	06/08/06	180.35			7,891.87			200.12			37.31			3,208.78						
[redacted]	06/08/06	178.55			15,419.18			59.33			203.62			30,642.79			25,000	110	40	7,200
[redacted]	06/08/06	106.42			4,096.47			1,649.15			125.52			13,931.63						
[redacted]	06/08/06	<LOD	136		2,028.80	92		<LOD	54		NA			782.00	46					
[redacted]	06/08/06	<LOD	150		1,180.00	91		<LOD	68		NA			657.20	53					
[redacted]	06/08/06	NA			NA			NA			<LOD	36		NA						
[redacted]	06/08/06	NA			NA			NA			<LOD	39		NA						
[redacted]	06/08/06	<LOD	270		1,389.60	120		128.10	58		NA			735.60	66					
[redacted]	06/08/06	NA			NA			NA			<LOD	45		NA						
[redacted]	06/08/06	<LOD	240		576.8	84		66	37		<LOD	65		367	42					
[redacted]	06/08/06	<LOD	300		1,480.00	140		<LOD	53		<LOD	112		156.70	38					
[redacted]	06/08/06	<LOD	94		501.20	47		70.10	29		NA			438.80	33					
[redacted]	06/08/06	<LOD	150		80.20	47		<LOD	23		NA			<LOD	25					
[redacted]	06/08/06	<LOD	144		199.30	54		<LOD	31		NA			67.60	22					
[redacted]	06/08/06	2346.97	68.96		57579.48	1148		654.12	91		161.17	23		16580.12	292					
[redacted]	06/08/06	1024.47	37.65		26740.41	406		1122.89	85		104.77	20		17825.79	271					
[redacted]	06/08/06	282.56	18.57		17104.02	231		121.64	20		357.06	19		1297.82	26					
[redacted]	06/08/06	225.86	14.83		3954.51	80		30.55	10		95.05	16		384.47	12					
[redacted]	06/08/06	91.27	11.85		16533.29	176		32.18	9		75.85	15		381.44	11		320	9	83	21,000
[redacted]	06/08/06	57.03	9.51		7607.28	87		<LOD	25		379.47	15		366.72	10					
[redacted]	06/08/06	70.78	9.7		5094.47	64		26.77	8		255.73	15		314.9	9					
[redacted]	06/08/06	<LOD	114		972.80	64		<LOD	19		NA			24.40	13					
[redacted]	06/08/06	NA			NA			NA			<LOD	46		NA						
[redacted]	06/08/06				1,130.00	21		<LOD	17		<LOD	40		163.00	6					
[redacted]	06/08/06				702.00	17		<LOD	18		<LOD	42		13.00	3					
[redacted]	06/08/06				203.00	9		12.00	3		<LOD	14		17.00	3		32	7.4	1.7	400
[redacted]	06/06/06	NA			NA			NA			<LOD	40		NA						
[redacted]	06/06/06	<LOD	465		<LOD	180		<LOD	41		NA			<LOD	36					
[redacted]	06/05/06	2,456.84	58		8,043.09	127		214.10	28		<LOD	54		1,917.68	37					
[redacted]	06/05/06	2,452.01	65		5,966.21	116		305.05	29		<LOD	66		1,559.27	38					
[redacted]	06/05/06	2,488.07	41		7,148.74	85		<LOD	31		<LOD	40		535.91	12		680	18	8	8,200
[redacted]	06/05/06	2,579.20	260		2,868.80	110		<LOD	21		NA			62.40	15					
[redacted]	06/05/06	NA			NA			NA			<LOD	27		NA						
[redacted]	06/02/06	1,509.60	220		2,228.80	93		<LOD	33		NA			268.40	24					
[redacted]	06/02/06	NA			NA			NA			<LOD	24		NA						
[redacted]	06/02/06	NA			NA			NA			270.20	47		NA						
[redacted]	06/02/06	6,457.60	630		22,489.60	470		<LOD	48		NA			344.00	35					
[redacted]	06/02/06	2,479.70	64		33,707.77	538		<LOD	284		262.74	22		22,702.27	381					
[redacted]	06/02/06	2,547.90	72		17,327.57	316		<LOD	353		262.77	24		29,521.07	515		41,000	57	180	9,700
[redacted]	06/02/06	1,119.46	25		2,674.60	38		<LOD	10		<LOD	40		39.23	4					
[redacted]	06/02/06	2,369.60	170		644.80	46		<LOD	16		NA			61.80	11					
[redacted]	06/02/06	NA			NA			NA			<LOD	23		NA						
[redacted]	06/02/06	511.98	21		1,911.08	38		43.73	9		<LOD	50		224.28	9					
[redacted]	06/02/06	2,456.75	63		9,146.39	162		397.14	32		<LOD	63		2,039.70	45					

EX6

91 REDACTIONS

Appendix N
Subsurface Soil XRF Results and Corresponding Laboratory Results
Old American Zinc Plant Site, Fairmont City, Illinois

																	Laboratory Verification Sample Results (mg/kg)			
Sample ID	Sample Date	Cu	(+/-)	Cu Avg	Zn	(+/-)	Zn Avg	As	(+/-)	As Avg	Cd	(+/-)	Cd Avg	Pb	(+/-)	Pb Avg	Pb	As	Cd	Zn
[redacted]	06/02/06	11,329.95	199		15,402.09	254		428.78	43		<LOD	62		4,227.13	78		3,600	230	7.7	230
[redacted]	06/02/06	6,869.77	118		10,876.32	166		276.12	31		<LOD	55		2,706.43	49					
[redacted]	06/02/06	6,643.11	103		9,712.29	136		236.39	22		<LOD	49		1,511.31	29					
[redacted]	06/02/06	6,444.14	110		15,026.68	218		325.74	30		156.76	19		2,536.26	45					
[redacted]	06/02/06	2,748.80	290		6,867.20	150		158.80	30		NA			607.20	32					
[redacted]	06/02/06	NA			NA			NA			70.80	25		NA						
[redacted]	06/02/06	434.40	200		1,948.80	91		<LOD	19		NA			25.40	13					
[redacted]	06/02/06	NA			NA			NA			<LOD	37		NA						
[redacted]	06/05/06				>10%	3364		497.00	71		1,103.00	40		7,215.00	161					
[redacted]	06/05/06				97,397.00	1778		<LOD	225		914.00	34		10,212.00	201					
[redacted]	06/05/06				96,401.00	1548		394.00	74		733.00	28		11,827.00	203		31,000	200	1,500	73,000
[redacted]	06/05/06				53,708.00	942		203.00	49		817.00	31		4,636.00	98					
[redacted]	06/05/06				5,350.00	66		109.00	12		138.00	14		764.00	15					
[redacted]	06/05/06	NA			NA			NA			181.10	36		NA						
[redacted]	06/05/06	542.00	320		5,478.40	180		78.40	31		NA			378.60	34					
[redacted]	06/05/06	581.60	210		3,768.60	110		38.60	17		NA			158.60	18					
[redacted]	06/05/06	NA			NA			NA			274.20	46		NA						
[redacted]	06/05/06	1,614.32	47		49,706.17	737		413.48	37		177.67	21		3,374.85	62					
[redacted]	06/05/06	452.61	21		28,254.56	347		105.30	18		632.72	20		1,236.50	24					
[redacted]	06/05/06	242.46	17		14,078.07	189		71.26	14		187.78	17		631.29	16		16	7.7	0.93	88
[redacted]	06/05/06	188.60	13		6,108.37	77		<LOD	32		180.39	15		561.46	13					
[redacted]	06/05/06	26.99	8		112.06	7		<LOD	8		<LOD	41		13.22	3					
[redacted]	06/05/06	<LOD	150		202.10	31		<LOD	13		NA			16.90	9		20	9.5	4.3	300
[redacted]	06/05/06	NA			NA			NA			<LOD	24		NA						
[redacted]	06/05/06	343.40	130		950.40	52		<LOD	14		NA			25.20	9					
[redacted]	06/05/06	NA			NA			NA			<LOD	25		NA						
[redacted]	06/05/06	2,093.75	55		3,757.25	75		234.52	18		<LOD	59		548.31	18		610	230	2	3,300
[redacted]	06/05/06	1,559.51	42		3,816.36	67		333.37	20		<LOD	57		833.13	22					
[redacted]	06/05/06	36.62	9		1,305.23	25		<LOD	9		<LOD	43		16.80	3					
[redacted]	06/05/06	4,850.71	94		59,560.37	850		173.10	30		271.03	21		2,352.11	45					
[redacted]	06/05/06	4,109.85	80		34,726.92	487		216.47	29		112.48	19		2,304.41	43					
[redacted]	06/05/06	3,516.15	79		60,883.76	918		185.06	40		<LOD	60		3,983.06	72					
[redacted]	06/05/06	3,247.98	78		98,107.98	1500		246.28	46		105.18	21		4,934.72	89					
[redacted]	06/05/06	768.88	23		5,837.18	77		<LOD	108		93.70	15		6,400.46	78		900	14	120	4,000
[redacted]	06/05/06	<LOD	330		2,569.60	110		<LOD	21		NA			43.80	15					
[redacted]	06/05/06	NA			NA			NA			117.40	30		NA						
[redacted]	06/06/06				1,321.00	25		<LOD	24		72.00	14		329.00	9					
[redacted]	06/06/06				674.00	17		<LOD	10		<LOD	43		28.00	4					
[redacted]	06/06/06	<LOD	855		<LOD	315		<LOD	55		NA			<LOD	47					
[redacted]	06/06/06	NA			NA			NA			<LOD	47		NA						
[redacted]	06/02/06	<LOD	26		50.12	6		<LOD	10		<LOD	49		15.01	4					
[redacted]	06/02/06	<LOD	27		113.17	8		<LOD	9		<LOD	46		13.82	3					
[redacted]	06/02/06	<LOD	28		65.98	6		<LOD	14		<LOD	49		64.98	5					
[redacted]	06/02/06	68.24	9		188.09	8		19.35	4		<LOD	41		60.16	4					
[redacted]	06/02/06	1,680.00	200		4,707.20	110		<LOD	50		NA			1,360.00	41					
[redacted]	06/02/06	NA			NA			NA			180.50	33		NA			3,100	160	330	12,000
[redacted]	06/02/06	418.40	120		1,449.60	56		<LOD	12		NA			18.50	8					
[redacted]	06/02/06	NA			NA			NA			<LOD	38		NA						
[redacted]	06/14/06	156.09	12		1,107.34	24		17.02	5		<LOD	44		91.63	6					
[redacted]	06/14/06	58.59	10		240.92	10		<LOD	12		<LOD	44		43.25	4					
[redacted]	06/14/06	25.48	8		142.53	8		<LOD	9		<LOD	43		20.12	3					
[redacted]	06/14/06	307.92	18		10,116.22	139		35.78	11		153.89	17		393.98	12					
[redacted]	06/14/06	<LOD	825		1,580.00	240		<LOD	53		NA			<LOD	51					
[redacted]	06/14/06	NA			NA			NA			<LOD	107		NA						
[redacted]	06/14/06	<LOD	690		371.80	190		<LOD	48		NA			<LOD	41		23	8.9	89	880
[redacted]	06/14/06	NA			NA			NA			<LOD	180		NA						
[redacted]	06/14/06	<LOD	22		130.99	7		<LOD	9		<LOD	39		20.08	3					
[redacted]	06/14/06	766.20	26		1,762.85	39		<LOD	28		<LOD	55		238.40	11					
[redacted]	06/14/06	285.81	13		771.66	17		<LOD	16		<LOD	39		134.53	6					
[redacted]	06/14/06	91.76	11		791.63	21		<LOD	19		<LOD	48		138.00	7					
[redacted]	06/14/06	934.82	24		1,832.20	32		<LOD	47		<LOD	44		1,224.32	21					
[redacted]	06/14/06	498.93	17		584.98	15		<LOD	10		<LOD	41		34.74	4					
[redacted]	06/14/06	458.22	16		702.42	17		10.83	3		<LOD	41		13.94	3					
[redacted]	06/14/06	576.81	18		1,049.36	20		11.18	3		44.53	13		9.48	3					
[redacted]	06/14/06	455.72	16		1,071.46	21		15.26	3		65.05	13		20.48	3					
[redacted]	06/14/06	124.39	10		655.43	15		<LOD	8		51.45	13		13.39	3					
[redacted]	06/14/06	<LOD	585		535.60	160		<LOD	42		NA			<LOD	39		12	7.8	46	900
[redacted]	06/14/06	NA			NA			NA			<LOD	93		NA						
[redacted]	06/14/06	48.37	8		531.59	13		<LOD	8		<LOD	40		18.32	3					
[redacted]	06/14/06	<LOD	23		435.19	12		<LOD	8		<LOD	40		12.96	3					
[redacted]	06/14/06	30.60	8		212.81	8		<LOD	8		<LOD	37		16.57	3					
[redacted]	06/14/06	1,101.46	28		3,800.58	57		68.66	11		62.96	16		459.00	13					
[redacted]	06/14/06	201.74	13		1,663.02	30		30.78	8		49.68	15		229.71	8					
[redacted]	06/14/06	405.99	16		1,847.73	31		<LOD	26		48.01	14		380.60	10					
[redacted]	06/14/06	251.42	12		404.90	12		<LOD	14		<LOD	39		121.09	5					
[redacted]	06/14/06	280.83	14		1,120.93	22		19.96	6		84.60	14		183.09	7					
[redacted]	06/14/06	<LOD	22		126.80	7		<LOD	7		<LOD	38		12.80	3					
[redacted]	06/14/06	<LOD	20		107.75	6		8.57	3		<LOD	38		11.74	3					
[redacted]	06/14/06	<LOD	21		116.84	6		<LOD	8		<LOD	38		24.15	3					
[redacted]	06/14/06	<LOD	21		140.09	7		<LOD	10		<LOD	38		48.54	4					
[redacted]	06/14/06	2,120.00	420		526.40	170		<LOD	39		NA			<LOD	31					
[redacted]	06/14/06	NA			NA			NA			<LOD	114		NA						
[redacted]	06/14/06	32.36	8		586.68	15		<LOD	8		91.74	14		13.58	3					
[redacted]	06/14/06	NA			NA			NA			<LOD	68		NA			14	9.3	93	1,200
[redacted]	06/14/06	1,819.20	430		500.40	170		<LOD	39		NA			<LOD	30					
[redacted]	06/15/06	37.44	8		586.03	14		9.17	3		100.94	13		15.28	3					
[redacted]	06/02/06	2,098.37	46		7,701.06	113		138.11	18		<LOD	51		1,018.85	22					
[redacted]	06/02/06	4,491.42	94		16,336.64	266		264.79	31		104.05	21		2,264.71	47					
[redacted]	06/02/06	524.80	170		569.60	58		<LOD	19		NA			19.50	12					
[redacted]	06/02/06	NA			NA			NA			38.10	23		NA						
[redacted]	06/05/06	310.03	14		3,234.73	43		<LOD	37		97.95	13		910.48	16					
[redacted]	06/05/06	130.19	13		1,260.65	29		<LOD	70		<LOD	50		1,975.46	35		2,000	31	27	1,100
[redacted]	06/05/06	<LOD	195		410.00	43		<LOD	19		NA			67.20	13					
[redacted]	06/05/06	NA			NA			NA			<LOD	30		NA						
[redacted]	06/05/06	<LOD	29		28.91	5		<LOD	10		<LOD	50		16.18	4					
[redacted]	06/05/06	<LOD	25		109.15	7		<LOD	9		45.42	14		20.49	3					
[redacted]	06/05/06	26.43	9		383.99	12		16.02	4		<LOD	43		50.37	4					
[redacted]	06/05/06	<LOD	34		838.30	25		<LOD	14		97.20	20		36.35	5		74	10	7.5	810
[redacted]	06/05/06	8,358.40	560		2,480.00	160		<LOD	42		NA			<LOD	28					

EX 6
91 REDACTIONS

Appendix N
Subsurface Soil XRF Results and Corresponding Laboratory Results
Old American Zinc Plant Site, Fairmont City, Illinois

																	Laboratory Verification Sample Results (mg/kg)			
Sample ID	Sample Date	Cu	(+/-)	Cu Avg	Zn	(+/-)	Zn Avg	As	(+/-)	As Avg	Cd	(+/-)	Cd Avg	Pb	(+/-)	Pb Avg	Pb	As	Cd	Zn
[redacted]	06/05/06	NA			NA			NA			<LOD	34		NA						
[redacted]	06/05/06	<LOD	40		61.48	9		<LOD	12		<LOD	70		<LOD	14					
[redacted]	06/05/06	<LOD	30		63.20	7		<LOD	10		<LOD	53		14.77	4					
[redacted]	06/05/06	<LOD	25		79.59	6		<LOD	11		<LOD	45		26.60	4					
[redacted]	06/05/06	42.75	8		890.10	18		<LOD	17		43.20	13		159.14	6		25	6.3	10	1,300
[redacted]	06/05/06	<LOD	195		504.40	46		<LOD	15		NA			18.90	10					
[redacted]	06/05/06	NA			NA			NA			<LOD	26		NA						
[redacted]	06/02/06	502.34	21		1,718.37	35		34.24	7		<LOD	49		136.03	7					
[redacted]	06/02/06	3,407.89	78		7,400.07	134		202.14	22		<LOD	61		960.13	26					
[redacted]	06/02/06	5,305.16	91		9,667.08	142		275.48	22		<LOD	53		1,303.53	27		1,100	210	13	7,900
[redacted]	06/02/06	30.64	9		628.80	16		<LOD	11		<LOD	43		41.42	4					
[redacted]	06/02/06	794.00	170		796.40	60		<LOD	19		NA			44.70	13					
[redacted]	06/02/06	NA			NA			NA			<LOD	55		NA						
[redacted]	06/05/06	51.09	9		341.71	12		<LOD	14		<LOD	43		85.80	5					
[redacted]	06/05/06	71.66	10		411.80	13		<LOD	14		<LOD	45		71.55	5					
[redacted]	06/05/06	<LOD	180		812.80	49		<LOD	14		NA			28.10	10		24	7.2	17	1,000
[redacted]	06/05/06	NA			NA			NA			<LOD	39		NA						

EX 6
17 REDACTIONS