OHIO DEPARTMENT OF NATURAL RESOURCES
DIVISION OF RECLAMATION

Quarterly Monitoring Report Sheet
(Submit in Quadruplicate)

Permittee: CENTURY MINE Permit Location: D-425 2010

___X__1st Qtr. _____2nd Qtr. ____3rd Qtr _____4th Qtr

_____Pre-Mining __X__Mining _____Post-Mining
(X appropriate blank for mine status)

Legend
W = Drilled Well (No Log Available)
WL = Drilled Well (Log Available)
DW = Dug Well
DS = Developed Spring
D = Downstream Sampling Station
U = Upstream Sampling Station
P = Water Impoundment
S = Spring (Undeveloped)
06 = Monitoring Wells

Monitoring Site	*Static Water Level	Stream or Spring Discharge (cfs/gpm)	Date Measured	pH Standard Units	Total Acidity mg/l as CaCO3	Total Alkalinity mg/l as CaCO3	Total Iron mg/l	Total Manganese mg/l	Total Suspended Solids mg/l	Total Hardness mg/l	Total Sulfate mg/l	Specific Conductance @ 25° C µmho/cm
DS-48.00A		3.8 gpm	01/20/10	7.22	7.2	45	0.11	0.007[J]	0.00	140	20.9	155
DS-48.00A		1.7 gpm	02/18/10									
DS-48.00A		2.7 gpm	03/19/10									
DS-58.01		0.63 gpm	01-07-10									
DS-58.01		0.61 gpm	02-04-10									
DS-58.01		1.7 gpm	03-04-01									
DS-96.00		0.96 gpm	01-07-10	8.34	0.00	220	0.3	0.03	0.00	272	21.2	495
DS-96.00		2.1 gpm	02-04-10									
DS-96.00		5.8 gpm	03-04-10									
DS-68.01		0.00gpm	01-07-10									
DS-68.01		0.00gpm	02-04-10									
DS-68.01		0.00gpm	03-04-10									
DS-68.06		0.00 gpm	01-07-10									
DS-68.06		0.00 gpm	02-04-10									
DS-68.06		0.00 gpm	03-04-10									
DS-68.07		0.02 gpm	01-07-10	7.98	2.50	110	0.6	0.02	0.00	165	29.1	346
DS-68.07		0.05 gpm	02-04-10									
DS-68.07		0.25 gpm	03-04-10									
DS-96.02		0.01gpm	01-07-10	8.14	0.84	80	0.4	0.00	0.00	130	31.2	232
DS-96.02		0.04gpm	02-04-10									
DS-96.02		0.10gpm	03-04-10									
DS-96.06		0.09 gpm	01-07-10	8.12	2.20	250	0.00	0.00	0.00	405	109	706
DS-96.06		0.19 gpm	02-04-10									
DS-96.06		1.2 gpm	03-04-10									
DS-111.00		2.0 gpm	01-28-10	8.07	4.40	170	0.06[J]	0.008[J]	0.00	222	29.0	431

AEC 12682

Monitoring Site	*Static Water Level	Stream or Spring Discharge (cfs/gpm)	Date Measured	pH Standard Units	Total Acidity mg/l as CaCO3	Alkalinity mg/l as CaCO3	Total Iron mg/l	Total Manganese mg/l	Total Suspended Solids mg/l	Total Hardness mg/l	Total Sulfate mg/l	Specific Conductance @ 25° C µmho/cm
DS-111.00		1.6 gpm	02-18-10									
DS-111.00		3.9 gpm	03-26-10									
DW-94.01	16'		01-22-10	7.95	2.80	140	0.04[J]	0.006[J]	0.00	205	38.1	534
DW-94.01	19.5'		02-13-10									
DW-94.01	15'		03-26-10									
P96.01		0.004 cfs	01-07-10	8.10	3.20	210	0.50	0.180	0.00	295	24.2	484
P96.01		0.009 cfs	02-04-10									
P96.01		0.010 cfs	03-04-10									
U5-10		0.000cfs	01-07-10									
U5-10		0.000cfs	02-04-10									
U5-10		0.000cfs	03-04-10									
U5-26		0.007 cfs	01-20-10	8.12	1.70	220	0.41	0.006[J]	14	210	68.2	592
U5-26		0.003 cfs	02-18-10									
U5-26		0.01 cfs	03-19-10									
U5-27		0.000cfs	01-20-10									
U5-27		0.000cfs	02-18-10									
U5-27		0.000cfs	03-19-10									
U5-28		0.000cfs	01-20-10									
U5-28		0.000cfs	02-18-10									
U5-28		0.000cfs	03-19-10									
W-10Y	11'		01-07-10	8.98	0.00	370	48.6	0.19	58	38	25.9	777
W-10Y	11'		02/25/10									
W-10Y	11'		03/12/10									
W-12Y	10'		01-07-10	7.72	6.9	170	10.9	0.18	74	190	27.1	415
W-12Y	10'		02/25/10									
W-12Y	10'		03/12/10									
W-13Y	3.5'		01-07-10	7.24	16	44	0.7	0.51	11	95	12.4	266
W-13Y	2.5'		02/25/10									
W-13Y	3'		03/12/10									
W-8Y	1.5'		01-07-10	7.94	3.60	95	7.8	0.21	59	240	436	1690
W-8Y	0.5'		02/25/10									
W-8Y	2.5'		03/12/10									
W-9Y	13'		01-07-10	7.72	8.3	250	9.8	0.26	19	190	48.8	589
W-9Y	12.5'		02/25/10									
W-9Y	13'		03/12/10									
W-68.02	Filled											
W-68.02	Filled											
W-68.02	Filled											
W-83.00	20'		01-28-10	8.02	6.8	180	0.10	0.011[J]	0.00	238	34.0	509

AEC 12683

Monitoring Site	*Static Water Level	Stream or Spring Discharge (cfs/gpm)	Date Measured	pH Standard Units	Total Acidity mg/l as CaCO3	Total Alkalinity mg/l as CaCO3	Total Iron mg/l	Total Manganese mg/l	Total Suspended Solids mg/l	Total Hardness mg/l	Total Sulfate mg/l	Specific Conductance @ 25° C µmho/cm
W-83.00	24'		02/13/10									
W-83.00	19.5'		03/26/10									
W-91.01	36.5'		01-28-10	7.95	9.0	230	1.5	0.044	20	300	62.3	584
W-91.01	38'		02/13/10									
W-91.01	34'		03/26/10									
WL-88.00	28.5'		01-28-10	7.97	4.10	100	0.69	0.024	0.00	189	32.1	360
WL-88.00	13'		02/13/10									
WL-88.00	26'		03/26/10									
WL-84.00	38'		01-28-10	8.07	5.5	200	0.03[J]	0.009[J]	0.00	180	55.4	544
WL-84.00	56'		02/13/10									
WL-84.00	38'		03/26/10									
WL-92.00	na		NA									
WL-92.00	na		NA									
WL-92.00	na		NA									
WL-86.00	NA		01-28-10									
WL-86.00	NA		2/13/2010									
WL-86.00	NA		3/26/2010									
WL-94.00	N/A		01-22-10	7.40	8.2	200	0.00	0.00	0.00	299	97.1	597
WL-94.00	N/A		2/13/2010									
WL-94.00	N/A		3/26/2010									
U5-16		0.000 cfs	1/22/2010									
U5-16		0.000cfs	2/13/2010									
U5-16		0.000cfs	3/26/2010									
U5-49		0.03cfs	1/20/2010	7.92	1.9	140	0.12	0.00	0.00	189	62.7	419
U5-49		0.11cfs	2/25/2010									
U5-49		0.20cfs	3/19/2010									
DS-48.00		0.0 gpm	01-20-10									
DS-48.00		0.0 gpm	2/18/2010									
DS-48.00		0.0 gpm	3/19/2010									
DS-68.00		0.10 cfs	1/7/2010	8.57	0.00	170	0.2	0.05	0.00	230	55.9	480
DS-68.00		0.25 cfs	2/4/2010									
DS-68.00		0.54 cfs	2/4/2010									
P-48.01		0.000cfs	01-20-10	7.76	1.8J	23	1.3	0.051	10	140	22.7	125
P-48.01		0.000cfs	02-25-10									
P-48.01		0.0008cfs	03-19-10									
P-108.01		0.000cfs	01-28-10	8.00	2.50	65	0.22	0.077	0.00	105	52.2	369
P-108.01		0.000cfs	02-18-10									
P-108.01		0.000cfs	03-26-10									
U5-29		0.009 cfs	01-20-10	7.63	1.90	55	0.15	0.006[J]	0.00	200	25.8	207

AEC 12684

Monitoring Site	*Static Water Level	Stream or Spring Discharge (cfs/gpm)	Date Measured	pH Standard Units	Total Acidity mg/l as CaCO3	Alkalinity mg/l as CaCO3	Total Iron mg/l	Total Manganese mg/l	Total Suspended Solids mg/l	Total Hardness mg/l	Total Sulfate mg/l	Specific Conductance @ 25° C µmho/cm
U5-29		0.02 cfs	02-25-10									
U5-29		0.008 cfs	3-19-10									
U5-32		0.000 cfs	1/20/2010									
U5-32		0.000 cfs	2/18/2010									
U5-32		0.000 cfs	3/19/2010									
U5-33		0.000 cfs	1/20/2010									
U5-33		0.000 cfs	2/18/2010									
U5-33		0.000 cfs	3/19/2010									
DS-70.00		0.00gpm	1/7/2010									
DS-70.00		0.00gpm	2/4/2010									
DS-70.00		0.00gpm	3/4/2010									
DW-48.02	DRY		01-20-10									
DW-48.02	DRY		2/18/2010									
DW-48.02	DRY		3/19/2010									
W-48.03	DRY		01-20-10									
W-48.03	DRY		2/25/2010									
W-48.03	DRY		3/19/2010									
W-49.00	54.0'		01-20-10	8.12	2.6[J]	240	0.08[J]	0.040	0.00	290	17.8	574
W-49.00	57'.0		2/18/2010									
W-49.00	67.5'		3/19/2010									
U5-11		0.000 cfs	1/22/2010									
U5-11		0.000 cfs	2/13/2010									
U5-11		0.000 cfs	3/26/2010									
U5-13		0.002 cfs	1/7/2010	7.77	2.70	45	0.7	0.11	0.00	122	20.0	143
U5-13		0.002 cfs	2/4/2010									
U5-13		0.006cfs	3/4/2001									
U5-14		0.001 cfs	1/7/2010	7.76	3.2	58	0.2	0.00	0.00	90	22.8	169
U5-14		0.001 cfs	2/4/2010									
U5-14		0.003 cfs	12/10/2009									
U5-15		0.000 cfs	1/22/2010									
U5-15		0.000 cfs	2/13/2010									
U5-15		0.000 cfs	3/26/2010									
U5-30		0.000 cfs	1/20/2010									
U5-30		0.000 cfs	2/25/2010									
U5-30		0.000 cfs	3/19/2010									
U5-31		0.000 cfs	1/20/2010									
U5-31		0.000 cfs	2/25/2010									
U5-31		0.000 cfs	3/19/2010									
D5-1		1.41 cfs	01-07-10	8.46	0.00	230	0.1	0.02	0.00	148	49.4	595

AEC 12685

Monitoring Site	*Static Water Level	Stream or Spring Discharge (cfs/gpm)	Date Measured	pH Standard Units	Total Acidity mg/l as CaCO3	Total Alkalinity mg/l as CaCO3	Total Iron mg/l	Total Manganese mg/l	Total Suspended Solids mg/l	Total Hardness mg/l	Total Sulfate mg/l	Specific Conductance @ 25° C µmho/cm
D5-1		3.34 cfs	2/4/2010									
D5-1		4.41 cfs	3/4/2010									
D5-2		0.20 cfs	01-07-10	7.93	1.7	80	0.1	0.00	0.00	138	30.6	242
D5-2		0.51 cfs	2/4/2010									
D5-2		0.90 cfs	3/4/2010									
D5-3		0.14 cfs	01-07-10	8.06	1.30	98	0.1	0.00	0.00	155	38.8	281
D5-3		0.26 cfs	2/4/2010									
D5-3		0.33 cfs	3/4/2010									
D5-5		0.28 cfs	1/20/10	7.90	1.80	63	0.23	0.016[J]	0.00	220	28.2	218
D5-5		0.07 cfs	2/18/2010									
D5-5		0.43 cfs	3/19/2010									
D5-9		0.37 cfs	1/28/10	8.02	2.20	74	0.15	0.036	0.00	100	25.8	219
D5-9		0.13 cfs	2/18/2010									
D5-9		1.55 cfs	3/26/2010									
D5-8		0.11 CFS	01-28-10	8.02	2.00	49	0.11	0.012[J]	0.00	70	26.4	174
D5-8		0.07CFS	2/18/2010									
D5-8		0.43 CFS	3/26/2010									
DS-60.03		1.6 GPM	01-20-10	8.54	0.00	71	0.06[J]	0.007[J]	0.00	149	29.5	144
DS-60.03		2.7 GPM	2/25/2010									
DS-60.03		2.1 GPM	3/19/2010									
DS-72.00		1.7 gpm	01-20-10	8.07	1.60	180	1.1	0.056	37	450	38.7	433
DS-72.00		0.94 gpm	2/18/2010									
DS-72.00		6.3 gpm	3/19/2010									
WL-90.00	75.7'		01-22-10	7.78	6.0	230	0.00	0.006[J]	0.00	252	31.3	627
WL-90.00	77'		2/13/2010									
WL-90.00	72'		03-26-10									
DW-61.00	na		na									
DW-61.00	na		na									
DW-61.00	na		na									
DW-60.02	5'		01-20-10	7.33	4.20	91	0.06[J]	0.006[J]	0.00	148	31.9	390
DW-60.02	5'		2/25/2010									
DW-60.02	5.5'		3/19/2010									
W-60.01	16.5'		01-20-10	7.08	17	140	0.03[J]	0.075	0.00	270	52.2	470
W-60.01	17'		2/25/2010									
W-60.01	17'		3/19/2010									
DS-91.02		2.0 gpm	01-28-10	8.27	1.00	170	0.10	0.006[J]	0.00	188	35.9	421
DS-91.02		0.9 gpm	2/13/2010									
DS-91.02		4.00 gpm	3/26/2010									

AEC 12686

Monitoring Site	*Static Water Level	Stream or Spring Discharge (cfs/gpm)	Date Measured	pH Standard Units	Total Acidity mg/l as CaCO3	Alkalinity mg/l as CaCO3	Total Iron mg/l	Total Manganese mg/l	Total Suspended Solids mg/l	Total Hardness mg/l	Total Sulfate mg/l	Specific Conductance @ 25° C µmho/cm
DS-91.03		3.0 gpm	01-28-10	8.16	4.3	180	0.15	0.00	0.00	250	42.8	457
DS-91.03		1.5 gpm	2/13/2010									
DS-91.03		7.0 gpm	3/26/2010									
DS-91.04		0.05 gpm	01-28-10	8.29	3.90	170	0.03^{J}	0.00	0.00	255	78.7	513
DS-91.04		0.02 gpm	2/13/2010									
DS-91.04		0.15 gpm	3/26/2010									
DS-91.06		2.1 gpm	01-28-10	7.89	2.20	40	0.08^{J}	0.029	0.00	72	18.9	201
DS-91.06		1.6 gpm	2/13/2010									
DS-91.06		4.4 gpm	3/26/2010									
DS-91.05		3.0 gpm	01-28-10	7.90	3.50	64	0.21	0.010^{J}	0.00	118	24.6	194
DS-91.05		1.2 gpm	2/13/2010									
DS-91.05		7.5 gpm	3/26/2010									
DS-91.07		0.27 gpm	01-28-10	8.00	2.60	88	0.06^{J}	0.010^{J}	0.00	145	35.2	305
DS-91.07		0.20 gpm	2/13/2010									
DS-91.07		0.63 gpm	3/26/2010									
DS-95.01		0.25 gpm	01-22-10	7.44	1.60	63	0.30	0.017^{J}	0.00	113	20.2	196
DS-95.01		0.0 gpm	2/13/2010									
DS-95.01		1.0 gpm	3/26/2010									
DW-91.00	22'		01-28-10	8.12	5.4	190	0.00	0.00	0.00	229	39.0	481
DW-91.00	22.5'		2/13/2010									
DW-91.00	21'		3/26/2010									
DW-95.00	14'		01-22-10	7.51	7.0	150	0.18	0.060	0.00	243	42.4	484
DW-95.00	14'		2/13/2010									
DW-95.00	NA		3/26/2010									
U5-12		0.09 cfs	01-28-10	7.84	1.80	36	0.17	0.011^{J}	0.00	70	17.6	150
U5-12		0.03 cfs	2/13/2010									
U5-12		0.09 cfs	3/26/2010									
DS-48.04		6.3 gpm	1/20/10	8.10	2.80	210	0.21	0.011^{J}	10	200	105	716
DS-48.04		6.8 gpm	2/25/2010									
DS-48.04		6.0 gpm	3/19/2010									
DS-122.0		0.51 gpm	01-20-10	7.60	3.90	130	0.14	0.00	0.00	236	91.6	450
DS-122.0		0.39 gpm	2/25/2010									
DS-122.0		0.3 gpm	3/19/2010									
W-5Y	NA		BURIED									
W-5Y	NA		BURIED									
W-5Y	NA		BURIED									
W-60.0	BURIED		NA									
W-60.0	BURIED		NA									

AEC 12687

Monitoring Site	*Static Water Level	Stream or Spring Discharge (cfs/gpm)	Date Measured	pH Standard Units	Total Acidity mg/l as CaCO3	Alkalinity mg/l as CaCO3	Total Iron mg/l	Total Manganese mg/l	Total Suspended Solids mg/l	Total Hardness mg/l	Total Sulfate mg/l	Specific Conductance @ 25° C µmho/cm
W-60.0	BURIED		NA									
WL-108	NA		NA									
WL-108	NA		NA									
WL-108	NA		NA									
U9-8		0.04cfs	1/20/2010	8.00	1.40	67	0.21	0.00	0.00	270	28.9	207
U9-8		0.07cfs	2/4/2010									
U9-8		0.07cfs	3/4/2010									
U9-10		0.005cfs	1/20/2010	7.65	2.40	83	0.1	0.01	0.00	109	23.3	236
U9-10		0.01cfs	2/25/2010									
U9-10		0.002cfs	3/19/2010									
D5-0		1.86cfs	1/7/2010	8.44	0.00	210	0.1	0.00	0.00	143	18.3	543
D5-0		4.1cfs	2/4/2010									
D5-0		5.83cfs	3/4/2010									
WL-123.00		112.5'	1/20/2010	7.72	3.5[J]	270	0.21	0.00	0.00	70	61.5	730
WL-123.00		113'	2/25/2010									
WL-123.00		112.5'	3/19/2010									
DW-123.01		NA	NA									
DW-123.01		NA	NA									
DW-123.01		NA	NA									

*Static Water Level of Well Below Land Surface (feet)

AEC 12688