

**ATTACHMENT 1**  
**(30 PAGES)**

## Alleged Clean Water Act Violations by Frasure Creek Mining, LLC and Trinity Coal Corporation

**Table 1. Reporting Violations—SS Discrepancies:** Known instances where SS, as reported on “corrected” and originally filed DMRs during the first quarter 2014, does not match the value recorded on the corresponding bench sheets.

DSMRE #	KPDES #	Outfall #	Precipitation Event Date	SS reported on “corrected” DMR	SS reported on Bench Sheet
836-0394	KYG046408	51	January 14, 2014	0.5 mL/L	1 mL/L
836-5582	KYG045752	1	February 5, 2014	0.5 mL/L	1 mL/L
836-5582	KYG045752	6	February 5, 2014	0.5 mL/L	1 mL/L
860-0467	KYG041006	167	March 17, 2014	0.8 mL/L	1 mL/L
860-0470	KYG041006	162	March 17, 2014	0.5 mL/L	2 mL/L <sup>1</sup>
860-0470	KYG041006	167	February 4, 2014	0.5 mL/L	No bench sheet <sup>2</sup>
860-0470	KYG041006	167	February 21, 2014	0.5 mL/L	2 mL/L <sup>3</sup>
860-9014 <sup>4</sup>	KY0101761	290	February 11, 2014	0.5 mL/L	1 mL/L

<sup>1</sup> Cabinet issued a demand for stipulated penalties but has not issued an NOV for false reporting/failure to report.

<sup>2</sup> Despite the Cabinet’s request, Frasure Creek failed to produce the raw laboratory data to support its DMR report for this outfall.

<sup>3</sup> Cabinet issued a demand for stipulated penalties but has not issued an NOV for false reporting/failure to report.

<sup>4</sup> The SS discrepancy listed here is between the raw data provided to the Cabinet and the original DMR report. The other discrepancies in this table are between the raw data provided to the Cabinet and the “corrected” DMRs submitted to the Cabinet after the Citizens’ Groups sent the 2014 NOI.

**Table 2. Reporting Violations—Other Discrepancies:** Known instances where any water quality parameter besides SS, as reported on uncorrected DMRs for the first quarter 2014, does not match the value recorded on the corresponding bench sheet.

DSMRE #	KPDES #	Outfall #	Effluent Characteristic	DATE	Permit Limits	Reported Value on DMR	Bench Sheet Value
897-0503	KYG045676	212	Total Iron	1/2014	3 mg/L (Monthly Ave.)	0.2 mg/L (impossible value)	N/A <sup>5</sup>
				1/2014	4 mg/L (Daily Max.)	0.2 mg/L	4.91 mg/L
813-0350	KYG045943	102	Total Manganese	3/2014	2 mg/L (Monthly Ave.)	2.15 mg/L (impossible value)	N/A <sup>5</sup>
				3/2014	4 mg/L (Daily Max.)	2.37 mg/L	6.62 mg/L
860-0467	KYG040112	102	Total Manganese	3/2014	2 mg/L (Monthly Ave.)	2.15 mg/L (impossible value)	N/A <sup>5</sup>
				3/2014	4 mg/L (Daily Max.)	2.37 mg/L	6.62 mg/L

<sup>5</sup> The bench sheet does not report the monthly average values.

**Table 3. Reporting Violations:** Known instances where a first quarter 2014 “corrected” DMR and bench sheet data indicate an outfall was flowing that was originally reported as having “no flow.”

DSMRE #	KPDES #	Outfall #
836-0394	KYG046408	51
836-0394	KYG046408	33
836-0394	KYG046408	42
836-0394	KYG046408	50
836-5583	KYG040512	13
877-0177	KYG044922	4
836-5583	KYG040512	12

**Table 4. Reporting Violations:** Duplicate DMRs from 2<sup>nd</sup> Quarter 2014 to 4<sup>th</sup> Quarter 2014

DSMRE #	KPDES #	Outfall #	Monitoring Period	Nature of Violation	Description of Violation
897-0503	KYG045676	212	3 <sup>rd</sup> Quarter 2014 4 <sup>th</sup> Quarter 2014	Duplicate values reported on DMR	All data from 7/2014 repeated for 10/2014

**Table 5: First Quarter 2014 SS Exceedance Violations:** Known instances where the SS value on a bench sheet records a permit exceedance that was not reported on a DMR.

DSMRE #	KPDES #	Outfall #	Effluent Characteristic	Permit Limits	Date	DMR Reported Value	Bench Sheet Value
836-5582	KYG045752	6	Settleable Solids	0.5 mL/L (Daily Max.)	2/2014	0.5 mL/L	1 mL/L
836-5582	KYG045752	1	Settleable Solids	0.5 mL/L (Daily Max.)	2/2014	0.5 mL/L	1 mL/L
836-0394	KYG046408	51	Settleable Solids	0.5 mL/L (Daily Max.)	1/2014	0.5 mL/L	1 mL/L
860-0467	KYG041006	167	Settleable Solids	0.5 mL/L (Daily Max)	3/2014	0.8 mL/L	1 mL/L
860-0470	KYG041006	162	Settleable Solids	0.5 mL/L (Daily Max)	3/2014	0.5 mL/L	2 mL/L
860-0467	KYG041006	167	Settleable Solids	0.5 mL/L (Daily Max)	3/2014	0.5 mL/L	2 mL/L
860-9014	KY0101761	290	Settleable Solids	0.5 mL/L (Daily Max)	2/2014	0.5 mL/L	1 mL/L

**Table 6. Exceedance Violations Based on Discrepancies Other Than SS:** Known instances where an effluent limit value, excluding SS, on a bench sheet or uncorrected DMR records an exceedance.

DSMRE #	KPDES #	Outfall #	Effluent Characteristic	Permit Limits	Date	Discharge as Reported on Bench Sheet or DMR	# of Violations
897-0503	KYG045676	212	Total Iron	3 mg/L (Monthly Average)	1/2014	0.2 mg/L (reported on DMR) <sup>6</sup> N/A (reported on bench sheet) <sup>7</sup>	31
				4 mg/L (Daily Max.)	1/2014	0.2 mg/L (reported on DMR) 4.91 mg/L (reported on bench sheet)	
813-0350	KYG045943	102	Total Manganese	2 mg/L (Monthly Average)	3/2014	2.15 mg/L (reported on DMR) N/A (reported on bench sheet) <sup>6</sup>	31
				4 mg/L (Daily Max.)	3/2014	6.62 mg/L (reported on bench sheet) 2.37 mg/L (reported on DMR)	

<sup>6</sup> 0.2 mg/L is an impossible monthly average value in this instance where the bench sheet reports a daily maximum value of 4.91 mg/L.

<sup>7</sup> Monthly averages are not reported on bench sheets.

**Table 7. Exceedance Violations:** Instances of self-reported effluent limit exceedances in “corrected” DMRs for first quarter 2014.

DSMRE #	KPDES #	Outfall #	Effluent Characteristic	Permit Limits	Reported Discharge	# of Violations
836-0394	KYG046408	51	Acidity/Alkalinity	Avg. Acidity < Avg. Alkalinity	16 > 14 (Monthly Ave. for 1/2014)	31
				Daily Max. Acidity < Daily Max. Alkalinity	16 > 14 (Daily Max. for 1/2014)	
836-5583	KYG040512	13	Total Suspended Solids	35 mg/L (Monthly Ave.)	38 mg/L (Monthly Ave. for 1/2014)	31
836-5583	KYG040512	13	Total Iron	3 mg/L (Monthly Ave.)	6.6 mg/L (Monthly Ave. for 1/2014)	31
				4 mg/L (Daily Max.)	6.6 mg/L (Daily Max. for 1/2014)	
877-0177	KYG044922	4	Total Suspended Solids	35 mg/L (Monthly Ave.)	62 mg/L (Monthly Ave. for 3/2014)	31
877-0177	KYG044922	4	Total Iron	3 mg/L (Monthly Ave.)	9.13 mg/L (Monthly Ave. for 3/2014)	31
				4 mg/L (Daily Max.)	9.13 mg/L (Daily Max. for 3/2014)	
877-0200	KYG046314	P4	Total Iron	4 mg/L (Daily Max.)	5.03 mg/L (Daily Max. for 3/2014)	1

FRASURE CREEK, LLC  
ATTACHMENT 1

877-0200	KYG046314	P4	Total Manganese	2 mg/L (Monthly Ave.)	4.73 mg/L (Monthly Ave. for 3/2014)	31
				4 mg/L (Daily Max.)	6.01 mg/L (Daily Max. for 3/2014)	
836-0395	KYG046409	11	Total Iron	3 mg/L (Monthly Ave.)	4.1 mg/L (Monthly Ave. for 3/2014)	31
				4 mg/L (Daily Max.)	4.1 mg/L (Daily Max. for 3/2014)	
836-5583	KYG040512	12	Total Suspended Solids	35 mg/L (Monthly Ave.)	202 mg/L (Monthly Ave. for 1/2014)	31
				70 mg/L (Daily Max.)	202 mg/L (Daily Max. for 1/2014)	
877-0177	KYG044922	13	Total Suspended Solids	35 mg/L (Monthly Ave.)	43 mg/L (Monthly Ave. for 1/2014)	31
				70 mg/L (Daily Max.)	76 mg/L (Daily Max. for 1/2014)	
877-0200	KYG046314	P3	Total Manganese	2 mg/L (Monthly Ave.)	2.69 mg/L (Monthly Ave. for 3/2014)	31
				4 mg/L (Daily Max.)	4.91 mg/L (Daily Max. for 3/2014)	



FRASURE CREEK, LLC  
ATTACHMENT 1

898-0865	KYG045749	45	Total Suspended Solids	35 mg/L (Monthly Ave.)	574 mg/L (Monthly Ave. for 3/2014)	31
				70 mg/L (Daily Max.)	574 mg/L (Daily Max. for 3/2014)	
836-0326	KY0108111	1	Total Suspended Solids	35 mg/L (Monthly Ave.)	50 mg/L (Monthly Ave. for 3/2014)	31
836-0394	KYG046408	34	Total Suspended Solids	35 mg/L (Monthly Ave.)	36 mg/L (Monthly Ave. for 3/2014)	31
877-0200	KYG046314	P1	Total Manganese	2 mg/L (Monthly Ave.)	2.22 mg/L (Monthly Ave. for 3/2014)	31
877-0200	KYG046314	P2	Total Manganese	2 mg/L (Monthly Ave.)	2.17 mg/L (Monthly Ave. for 1/2014)	31
877-0200	KYG046314	P2	Total Manganese	2 mg/L (Monthly Ave.)	2.45 mg/L (Monthly Ave. for 3/2014)	31
877-0209	KYG046282	15B	Total Suspended Solids	35 mg/L (Monthly Ave.)	60 mg/L (Monthly Ave. for 1/2014)	31
877-0200	KYG046314	P3	Total Suspended Solids	35 mg/L (Monthly Ave.)	52 mg/L (Monthly Ave. for 2/2014)	28
				70 mg/L (Daily Max.)	74 mg/L (Daily Max. for 2/2014)	

FRASURE CREEK, LLC  
ATTACHMENT 1

898-0865	KYG045749	55	Total Suspended Solids	35 mg/L (Monthly Ave.)	60 mg/L (Monthly Ave. for 2/2014)	28
				70 mg/L (Daily Max.)	110 mg/L (Daily Max. for 2/2014)	
836-0394	KYG046408	33	Total Suspended Solids	35 mg/L (Monthly Ave.)	59.5 mg/L (Monthly Ave. for 2/2014)	28
836-8072	KYG044819	2	Total Suspended Solids	35 mg/L (Monthly Ave.)	36 mg/L (Monthly Ave. for 2/2014)	28

**Table 8. Exceedance Violations:** Instances of a self-reported effluent limit exceedances in the third and fourth quarters of 2014.

DSMRE #	KPDES #	Outfall #	Effluent Characteristic	Permit Limits	Reported Discharge	# of Violations
860-0469	KYG040569	145	Total Manganese	2 mg/L (Monthly Ave.)	3.89 mg/L (Monthly Ave. for 10/2014)	31
				4 mg/L (Daily Max.)	4.78 mg/L (Daily Max. for 10/2014)	
860-0469	KYG040569	145	Acidity/Alkalinity	Avg. Acidity < Avg. Alkalinity	4.5 > 4 (Monthly Ave. for 10/2014)	31
				Daily Max. Acidity < Daily Max. Alkalinity	9 > 8 (Daily Max. for 10/2014)	
860-0469	KYG040569	145	pH	Max 9.0; Min. 6.0	5.02 (for 10/2014)	1
860-0469	KYG040569	145	Total Manganese	2 mg/L (Monthly Ave.)	2.58 mg/L (Monthly Ave. for 8/2014)	31
860-0469	KYG040569	145	Acidity/Alkalinity	Avg. Acidity < Avg. Alkalinity	7 > 5 (Monthly Ave. for 8/2014)	31
				Daily Max. Acidity < Daily Max. Alkalinity	7 > 5 (Daily Max. for 8/2014)	
860-0469	KYG040569	145	pH	Max 9.0; Min. 6.0	5.4 (for 8/2014)	1
860-0469	KYG040569	147	Total Iron	3 mg/L (Monthly Ave.)	3.6 mg/L (Monthly Ave. for 8/2014)	31
860-0469	KYG040569	147	Total Manganese	2 mg/L (Monthly Ave.)	15.5 mg/L (Monthly Ave. for 8/2014)	31
				4 mg/L (Daily Max.)	15.5 mg/L (Daily Max. for 8/2014)	
860-0469	KYG040569	147	Acidity/Alkalinity	Avg. Acidity < Avg. Alkalinity	7 > 5 (Monthly Ave. for 8/2014)	31
				Daily Max. Acidity < Daily Max. Alkalinity	7 > 5 (Daily Max. for 8/2014)	

FRASURE CREEK, LLC  
ATTACHMENT 1

860-0469	KYG040569	151	Total Manganese	2 mg/L (Monthly Ave.)	33.9 mg/L (Monthly Ave. for 10/2014)	31
				4 mg/L (Daily Max.)	37.2 mg/L (Daily Max. for 10/2014)	
860-0469	KYG040569	151	Acidity/Alkalinity	Avg. Acidity < Avg. Alkalinity	29.5 > 10 (Monthly Ave. for 10/2014)	31
				Daily Max. Acidity < Daily Max. Alkalinity	59 > 20 (Daily Max. for 10/2014)	
860-0469	KYG040569	151	pH	Max 9.0; Min. 6.0	5.61 (for 10/2014)	1
860-0469	KYG040569	151	Total Manganese	2 mg/L (Monthly Ave.)	31.55 mg/L (Monthly Ave. for 9/2014)	30
				4 mg/L (Daily Max.)	34.1 mg/L (Daily Max. for 9/2014)	
860-0469	KYG040569	151	Acidity/Alkalinity	Avg. Acidity < Avg. Alkalinity	38 > 5 (Monthly Ave. for 9/2014)	30
				Daily Max. Acidity < Daily Max. Alkalinity	44 > 5 (Daily Max. for 9/2014)	
860-0469	KYG040569	155	Total Manganese	2 mg/L (Monthly Ave.)	20.31 mg/L (Monthly Ave. for 9/2014)	30
				4 mg/L (Daily Max.)	25.5 mg/L (Daily Max. for 9/2014)	
860-0469	KYG040569	155	Acidity/Alkalinity	Avg. Acidity < Avg. Alkalinity	32 > 5 (Monthly Ave. for 9/2014)	30
				Daily Max. Acidity < Daily Max. Alkalinity	43 > 5 (Daily Max. for 9/2014)	
860-0469	KYG040569	155	pH	Max 9.0; Min. 6.0	4.31 (Daily Min. for 9/2014)	1
860-0469	KYG040569	151	Total Iron	3 mg/L (Monthly Ave.)	7.075 mg/L (Monthly Ave. for 7/2014)	31
				4 mg/L (Daily Max.)	8.91 mg/L (Daily Max. for 7/2014)	

FRASURE CREEK, LLC  
ATTACHMENT 1

860-0469	KYG040569	151	Total Manganese	2 mg/L (Monthly Ave.)	18.2 mg/L (Monthly Ave. for 7/2014)	31
				4 mg/L (Daily Max.)	23.29 mg/L (Daily Max. for 7/2014)	
860-0469	KYG040569	151	Acidity/Alkalinity	Avg. Acidity < Avg. Alkalinity	42 > 5 (Monthly Ave. for 7/2014)	31
				Daily Max. Acidity < Daily Max. Alkalinity	42 > 5 (Daily Max. for 7/2014)	
860-0469	KYG040569	154	Total Manganese	2 mg/L (Monthly Ave.)	36.2 mg/L (Monthly Ave. for 9/2014)	30
				4 mg/L (Daily Max.)	36.2 mg/L (Daily Max. for 9/2014)	
860-0469	KYG040569	154	Acidity/Alkalinity	Avg. Acidity < Avg. Alkalinity	42 > 5 (Monthly Ave. for 9/2014)	30
				Daily Max. Acidity < Daily Max. Alkalinity	42 > 5 (Daily Max. for 9/2014)	
860-0469	KYG040569	154	pH	Max 9.0; Min. 6.0	4.58 (Daily Min. for 9/2014)	1
860-0469	KYG040569	154	Total Manganese	2 mg/L (Monthly Ave.)	27.9 mg/L (Monthly Ave. for 8/2014)	31
				4 mg/L (Daily Max.)	27.9 mg/L (Daily Max. for 8/2014)	
860-0469	KYG040569	154	Acidity/Alkalinity	Avg. Acidity < Avg. Alkalinity	41 > 5 (Monthly Ave. for 8/2014)	31
				Daily Max. Acidity < Daily Max. Alkalinity	41 > 5 (Daily Max. for 8/2014)	
860-0469	KYG040569	154	pH	Max 9.0; Min. 6.0	4.67 (Daily Min. for 8/2014)	1
860-0469	KYG040569	153	Total Manganese	2 mg/L (Monthly Ave.)	13.9 mg/L (Monthly Ave. for 11/2014)	30
				4 mg/L (Daily Max.)	16.5 mg/L (Daily Max. for 11/2014)	

FRASURE CREEK, LLC  
ATTACHMENT 1

860-0469	KYG040569	153	Acidity/Alkalinity	Avg. Acidity < Avg. Alkalinity	18 > 5 (Monthly Ave. for 11/2014)	30
				Daily Max. Acidity < Daily Max. Alkalinity	36 > 5 (Daily Max. for 11/2014)	
860-0469	KYG040569	153	pH	Max 9.0; Min. 6.0	4.23 (Daily Min. for 11/2014)	1
860-0469	KYG040569	154	Total Manganese	2 mg/L (Monthly Ave.)	21.55 mg/L (Monthly Ave. for 12/2014)	31
				4 mg/L (Daily Max.)	24 mg/L (Daily Max. for 12/2014)	
860-0469	KYG040569	154	Acidity/Alkalinity	Avg. Acidity < Avg. Alkalinity	31.5 > 5 (Monthly Ave. for 12/2014)	31
				Daily Max. Acidity < Daily Max. Alkalinity	34 > 5 (Daily Max. for 12/2014)	
860-0469	KYG040569	154	pH	Max 9.0; Min. 6.0	4.75 (Daily Min. for 12/2014)	1
860-0469	KYG040569	154	Total Manganese	2 mg/L (Monthly Ave.)	20.75 mg/L (Monthly Ave. for 11/2014)	30
				4 mg/L (Daily Max.)	21 mg/L (Daily Max. for 11/2014)	
860-0469	KYG040569	154	Acidity/Alkalinity	Avg. Acidity < Avg. Alkalinity	25 > 5 (Monthly Ave. for 11/2014)	30
				Daily Max. Acidity < Daily Max. Alkalinity	31 > 5 (Daily Max. for 11/2014)	
860-0469	KYG040569	154	pH	Max 9.0; Min. 6.0	4.68 (Daily Min. for 11/2014)	1
860-0469	KYG040569	147	Total Iron	3 mg/L (Monthly Ave.)	5.49 mg/L (Monthly Ave. for 7/2014)	31
				4 mg/L (Daily Max.)	9.22 mg/L (Daily Max. for 7/2014)	

FRASURE CREEK, LLC  
ATTACHMENT 1

860-0469	KYG040569	147	Total Manganese	2 mg/L (Monthly Ave.)	10.415 mg/L (Monthly Ave. for 7/2014)	31
				4 mg/L (Daily Max.)	15.62 mg/L (Daily Max. for 7/2014)	
860-0469	KYG040569	147	Acidity/Alkalinity	Avg. Acidity < Avg. Alkalinity	27 > 5 (Monthly Ave. for 7/2014)	31
				Daily Max. Acidity < Daily Max. Alkalinity	28 > 5 (Daily Max. for 7/2014)	
860-0469	KYG040569	154	Total Manganese	2 mg/L (Monthly Ave.)	30.4 mg/L (Monthly Ave. for 10/2014)	31
				4 mg/L (Daily Max.)	34.5 mg/L (Daily Max. for 10/2014)	
860-0469	KYG040569	154	Acidity/Alkalinity	Avg. Acidity < Avg. Alkalinity	21 > 5 (Monthly Ave. for 10/2014)	31
				Daily Max. Acidity < Daily Max. Alkalinity	24 > 5 (Daily Max. for 10/2014)	
860-0469	KYG040569	154	pH	Max 9.0; Min. 6.0	4.59 (Daily Min. for 10/2014)	1
860-0469	KYG040569	155	Total Manganese	2 mg/L (Monthly Ave.)	7.135 mg/L (Monthly Ave. for 12/2014)	31
				4 mg/L (Daily Max.)	7.28 mg/L (Daily Max. for 12/2014)	
860-0469	KYG040569	155	Acidity/Alkalinity	Avg. Acidity < Avg. Alkalinity	16.5 > 5 (Monthly Ave. for 12/2014)	31
				Daily Max. Acidity < Daily Max. Alkalinity	17 > 5 (Daily Max. for 12/2014)	
860-0469	KYG040569	155	pH	Max 9.0; Min. 6.0	4.57 (Daily Min. for 12/2014)	1
860-0469	KYG040569	155	Total Manganese	2 mg/L (Monthly Ave.)	9.21 mg/L (Monthly Ave. for 8/2014)	31
				4 mg/L (Daily Max.)	9.21 mg/L (Daily Max. for 8/2014)	

FRASURE CREEK, LLC  
ATTACHMENT 1

860-0469	KYG040569	155	Acidity/Alkalinity	Avg. Acidity < Avg. Alkalinity	16 > 5 (Monthly Ave. for 8/2014)	31
				Daily Max. Acidity < Daily Max. Alkalinity	16 > 5 (Daily Max. for 8/2014)	
860-0469	KYG040569	155	pH	Max 9.0; Min. 6.0	4.73 (Daily Min. for 8/2014)	1
860-0469	KYG040569	155	Total Manganese	2 mg/L (Monthly Ave.)	7.135 mg/L (Monthly Ave. for 11/2014)	30
				4 mg/L (Daily Max.)	7.22 mg/L (Daily Max. for 11/2014)	
860-0469	KYG040569	155	Acidity/Alkalinity	Avg. Acidity < Avg. Alkalinity	15.5 > 5 (Monthly Ave. for 11/2014)	30
				Daily Max. Acidity < Daily Max. Alkalinity	16 > 5 (Daily Max. for 11/2014)	
860-0469	KYG040569	155	pH	Max 9.0; Min. 6.0	4.6 (Daily Min. for 11/2014)	1
860-0469	KYG040569	155	pH	Max 9.0; Min. 6.0	4.53 (Daily Min. for 11/2014)	1
860-0469	KYG040569	155	Total Suspended Solids	35 mg/L (Monthly Ave.)	74 mg/L (Monthly Ave. for 10/2014)	31
				70 mg/L (Daily Max.)	145 mg/L (Daily Max. for 10/2014)	
860-0469	KYG040569	155	Total Manganese	2 mg/L (Monthly Ave.)	14.65 mg/L (Monthly Ave. for 10/2014)	31
				4 mg/L (Daily Max.)	25.4 mg/L (Daily Max. for 10/2014)	
860-0469	KYG040569	155	Acidity/Alkalinity	Avg. Acidity < Avg. Alkalinity	7.5 > 3.5 (Monthly Ave. for 10/2014)	31
				Daily Max. Acidity < Daily Max. Alkalinity	15 > 7 (Daily Max. for 10/2014)	
860-0469	KYG040569	155	pH	Max 9.0; Min. 6.0	4.5 (Daily Min. for 10/2014)	1



FRASURE CREEK, LLC  
ATTACHMENT 1

860-0469	KYG040569	147	Total Iron	3 mg/L (Monthly Ave.)	3.755 mg/L (Monthly Ave. for 10/2014)	31
				4 mg/L (Daily Max.)	4.12 mg/L (Daily Max. for 10/2014)	
860-0469	KYG040569	147	Total Manganese	2 mg/L (Monthly Ave.)	10.033 mg/L (Monthly Ave. for 10/2014)	31
				4 mg/L (Daily Max.)	19.9 mg/L (Daily Max. for 10/2014)	
860-0469	KYG040569	147	Acidity/Alkali nity	Avg. Acidity < Avg. Alkalinity	7 > 6.5 (Monthly Ave. for 10/2014)	31
				Daily Max. Acidity < Daily Max. Alkalinity	14 > 7 (Daily Max. for 10/2014)	
860-0469	KYG040569	147	pH	Max 9.0; Min. 6.0	4.5 (Daily Min. for 10/2014)	1
860-0469	KYG040569	153	Total Manganese	2 mg/L (Monthly Ave.)	38.05 mg/L (Monthly Ave. for 10/2014)	31
				4 mg/L (Daily Max.)	49.1 mg/L (Daily Max. for 10/2014)	
860-0469	KYG040569	153	Acidity/Alkali nity	Avg. Acidity < Avg. Alkalinity	61.5 > 46 (Monthly Ave. for 10/2014)	31
				Daily Max. Acidity < Daily Max. Alkalinity	123 > 92 (Daily Max. for 10/2014)	
860-0469	KYG040569	153	pH	Max 9.0; Min. 6.0	3.91 (Daily Min. for 10/2014)	1
860-0469	KYG040569	145	Total Manganese	2 mg/L (Monthly Ave.)	2.185 mg/L (Monthly Ave. for 12/2014)	31
860-0469	KYG040569	145	Acidity/Alkali nity	Avg. Acidity < Avg. Alkalinity	11 > 5 (Monthly Ave. for 12/2014)	31
				Daily Max. Acidity < Daily Max. Alkalinity	11 > 5 (Daily Max. for 12/2014)	
860-0469	KYG040569	145	pH	Max 9.0; Min. 6.0	4.95 (Daily Min. for 12/2014)	1

FRASURE CREEK, LLC  
ATTACHMENT 1

860-0469	KYG040569	153	Total Iron	4 mg/L (Daily Max.)	5.2 mg/L (Daily Max. for 12/2014)	1
860-0469	KYG040569	153	Total Manganese	2 mg/L (Monthly Ave.)	10.435 mg/L (Monthly Ave. for 12/2014)	31
				4 mg/L (Daily Max.)	17.7 mg/L (Daily Max. for 12/2014)	
860-0469	KYG040569	153	Acidity/Alkalinity	Avg. Acidity < Avg. Alkalinity	106.5 > 5 (Monthly Ave. for 12/2014)	31
				Daily Max. Acidity < Daily Max. Alkalinity	109 > 5 (Daily Max. for 12/2014)	
860-0469	KYG040569	153	pH	Max 9.0; Min. 6.0	3.14 (Daily Min. for 12/2014)	1
860-0469	KYG040569	145	Acidity/Alkalinity	Avg. Acidity < Avg. Alkalinity	9 > 5 (Monthly Ave. for 11/2014)	30
				Daily Max. Acidity < Daily Max. Alkalinity	10 > 5 (Daily Max. for 11/2014)	
860-0469	KYG040569	145	pH	Max 9.0; Min. 6.0	4.63 (Daily Min. for 11/2014)	1
813-0321	KYG040075	Dam 119	Total Suspended Solids	35 mg/L (Monthly Ave.)	36 mg/L (Monthly Ave. for 9/2014)	30
813-0321	KYG040075	Dam 123R	Total Manganese	2 mg/L (Monthly Ave.)	2.095 mg/L (Monthly Ave. for 7/2014)	31
813-0321	KYG040075	Dam 123R	Total Manganese	2 mg/L (Monthly Ave.)	2.26 mg/L (Monthly Ave. for 9/2014)	30
813-0350	KYG045943	113	Total Suspended Solids	35 mg/L (Monthly Ave.)	93 mg/L (Monthly Ave. for 8/2014)	31
				70 mg/L (Daily Max.)	93 mg/L (Daily Max. for 8/2014)	
813-0350	KYG045943	113	Total Iron	3 mg/L (Monthly Ave.)	3.54 mg/L (Monthly Ave. for 8/2014)	31
813-0350	KYG045943	113	pH	Max 9.0; Min. 6.0	4.96 (Daily Min. for 8/2014)	1

FRASURE CREEK, LLC  
ATTACHMENT 1

813-0350	KYG045943	123	Total Manganese	2 mg/L (Monthly Ave.)	3.86 mg/L (Monthly Ave. for 8/2014)	31
813-0350	KYG045943	123	pH	Max 9.0; Min. 6.0	5.51(Daily Min. for 8/2014)	1
813-0350	KYG045943	123	Total Manganese	2 mg/L (Monthly Ave.)	4.88 mg/L (Monthly Ave. for 9/2014)	30
				4 mg/L (Daily Max.)	5.74 mg/L (Daily Max. for 9/2014)	
813-0350	KYG045943	123	pH	Max 9.0; Min. 6.0	5.2(Daily Min. for 9/2014)	1
813-0350	KYG045943	281	pH	Max 9.0; Min. 6.0	5.69(Daily Min. for 8/2014)	1
813-0350	KYG045943	284	Total Suspended Solids	35 mg/L (Monthly Ave.)	58 mg/L (Monthly Ave. for 7/2014)	31
				70 mg/L (Daily Max.)	88 mg/L (Daily Max. for 7/2014)	
813-0350	KYG045943	284	Total Manganese	2 mg/L (Monthly Ave.)	4.64 mg/L (Monthly Ave. for 8/2014)	31
				4 mg/L (Daily Max.)	4.64 mg/L (Daily Max. for 8/2014)	
813-0350	KYG045943	284	Total Manganese	2 mg/L (Monthly Ave.)	3.06 mg/L (Monthly Ave. for 9/2014)	30
813-0350	KYG045943	285	Total Manganese	2 mg/L (Monthly Ave.)	3.39 mg/L (Monthly Ave. for 8/2014)	31
813-0350	KYG045943	285	Total Suspended Solids	35 mg/L (Monthly Ave.)	38.5 mg/L (Monthly Ave. for 9/2014)	30
				70 mg/L (Daily Max.)	73 mg/L (Daily Max. for 9/2014)	
813-0350	KYG045943	285	Total Manganese	2 mg/L (Monthly Ave.)	3.905 mg/L (Monthly Ave. for 9/2014)	30
				4 mg/L (Daily Max.)	4.12 mg/L (Daily Max. for 9/2014)	

FRASURE CREEK, LLC  
ATTACHMENT 1

813-0350	KYG045943	286	Total Manganese	2 mg/L (Monthly Ave.)	3.46 mg/L (Monthly Ave. for 8/2014)	31
813-0350	KYG045943	286	Total Manganese	2 mg/L (Monthly Ave.)	3.33 mg/L (Monthly Ave. for 9/2014)	30
836-0326	KY0108111	6	Total Suspended Solids	35 mg/L (Monthly Ave.)	49 mg/L (Monthly Ave. for 9/2014)	30
836-0391	KYG045764	1	Total Suspended Solids	35 mg/L (Monthly Ave.)	40 mg/L (Monthly Ave. for 7/2014)	31
860-0467	KYG041006	167	Total Manganese	2 mg/L (Monthly Ave.)	2.76 mg/L (Monthly Ave. for 8/2014)	31
860-0467	KYG041006	167	Total Manganese	2 mg/L (Monthly Ave.)	2.79 mg/L (Monthly Ave. for 9/2014)	30
860-0468	KYG046750	104	Total Manganese	2 mg/L (Monthly Ave.)	2.095 mg/L (Monthly Ave. for 7/2014)	31
860-0468	KYG046750	104	Total Manganese	2 mg/L (Monthly Ave.)	2.26 mg/L (Monthly Ave. for 9/2014)	30
860-0468	KYG046750	133	Total Manganese	2 mg/L (Monthly Ave.)	2.19 mg/L (Monthly Ave. for 9/2014)	30
860-0469	KYG040569	140	Total Suspended Solids	35 mg/L (Monthly Ave.)	74 mg/L (Monthly Ave. for 7/2014)	31
				70 mg/L (Daily Max.)	136 mg/L (Daily Max. for 7/2014)	
860-0469	KYG040569	140	Total Iron	3 mg/L (Monthly Ave.)	3.65 mg/L (Monthly Ave. for 7/2014)	31
				4 mg/L (Daily Max.)	5.48 mg/L (Daily Max. for 7/2014)	
860-0469	KYG040569	140	Total Manganese	2 mg/L (Monthly Ave.)	8.405 mg/L (Monthly Ave. for 7/2014)	31
				4 mg/L (Daily Max.)	14.41 mg/L (Daily Max. for 7/2014)	
860-0469	KYG040569	140	Total Suspended Solids	35 mg/L (Monthly Ave.)	36 mg/L (Monthly Ave. for 8/2014)	31

FRASURE CREEK, LLC  
ATTACHMENT 1

860-0469	KYG040569	140	Total Manganese	2 mg/L (Monthly Ave.)	5.66 mg/L (Monthly Ave. for 8/2014)	31
				4 mg/L (Daily Max.)	5.66 mg/L (Daily Max. for 8/2014)	
860-0469	KYG040569	140	Total Manganese	2 mg/L (Monthly Ave.)	8.045 mg/L (Monthly Ave. for 9/2014)	30
				4 mg/L (Daily Max.)	9.05 mg/L (Daily Max. for 9/2014)	
860-0469	KYG040569	142	Total Suspended Solids	35 mg/L (Monthly Ave.)	40 mg/L (Monthly Ave. for 7/2014)	31
860-0469	KYG040569	142	Total Manganese	2 mg/L (Monthly Ave.)	2.22 mg/L (Monthly Ave. for 7/2014)	31
860-0469	KYG040569	142	Total Manganese	2 mg/L (Monthly Ave.)	13.2 mg/L (Monthly Ave. for 9/2014)	30
				4 mg/L (Daily Max.)	15.9 mg/L (Daily Max. for 9/2014)	
860-0469	KYG040569	143	Total Manganese	2 mg/L (Monthly Ave.)	2.905 mg/L (Monthly Ave. for 7/2014)	31
				4 mg/L (Daily Max.)	4.76 mg/L (Daily Max. for 7/2014)	
860-0469	KYG040569	143	Total Manganese	2 mg/L (Monthly Ave.)	2.98 mg/L (Monthly Ave. for 8/2014)	31
860-0469	KYG040569	143	Total Manganese	2 mg/L (Monthly Ave.)	8.145 mg/L (Monthly Ave. for 9/2014)	30
				4 mg/L (Daily Max.)	9.75 mg/L (Daily Max. for 9/2014)	
860-0469	KYG040569	145	Total Manganese	2 mg/L (Monthly Ave.)	4.245 mg/L (Monthly Ave. for 9/2014)	30
				4 mg/L (Daily Max.)	4.9 mg/L (Daily Max. for 9/2014)	

FRASURE CREEK, LLC  
ATTACHMENT 1

860-0469	KYG040569	146	Total Iron	3 mg/L (Monthly Ave.)	3.96 mg/L (Monthly Ave. for 7/2014)	31
				4 mg/L (Daily Max.)	4.03 mg/L (Daily Max. for 7/2014)	
860-0469	KYG040569	146	Total Manganese	2 mg/L (Monthly Ave.)	10.44 mg/L (Monthly Ave. for 7/2014)	31
				4 mg/L (Daily Max.)	11.08 mg/L (Daily Max. for 7/2014)	
860-0469	KYG040569	146	Total Manganese	2 mg/L (Monthly Ave.)	4.65 mg/L (Monthly Ave. for 8/2014)	31
				4 mg/L (Daily Max.)	4.65 mg/L (Daily Max. for 8/2014)	
860-0469	KYG040569	146	Total Manganese	2 mg/L (Monthly Ave.)	5.825 mg/L (Monthly Ave. for 9/2014)	30
				4 mg/L (Daily Max.)	6.51 mg/L (Daily Max. for 9/2014)	
860-0469	KYG040569	147	Total Iron	3 mg/L (Monthly Ave.)	3.445 mg/L (Monthly Ave. for 9/2014)	30
860-0469	KYG040569	147	Total Manganese	2 mg/L (Monthly Ave.)	18.3 mg/L (Monthly Ave. for 9/2014)	30
				4 mg/L (Daily Max.)	19 mg/L (Daily Max. for 9/2014)	
860-0469	KYG040569	148	Total Iron	3 mg/L (Monthly Ave.)	9.745 mg/L (Monthly Ave. for 7/2014)	31
				4 mg/L (Daily Max.)	12.35 mg/L (Daily Max. for 7/2014)	
860-0469	KYG040569	148	Total Manganese	2 mg/L (Monthly Ave.)	27.09 mg/L (Monthly Ave. for 7/2014)	31
				4 mg/L (Daily Max.)	34.64 mg/L (Daily Max. for 7/2014)	

FRASURE CREEK, LLC  
ATTACHMENT 1

860-0469	KYG040569	148	Total Manganese	2 mg/L (Monthly Ave.)	29.2 mg/L (Monthly Ave. for 8/2014)	31
				4 mg/L (Daily Max.)	29.2 mg/L (Daily Max. for 8/2014)	
860-0469	KYG040569	148	Total Manganese	2 mg/L (Monthly Ave.)	31.6 mg/L (Monthly Ave. for 9/2014)	30
				4 mg/L (Daily Max.)	35.7 mg/L (Daily Max. for 9/2014)	
860-0469	KYG040569	150	Total Suspended Solids	35 mg/L (Monthly Ave.)	46 mg/L (Monthly Ave. for 7/2014)	31
				70 mg/L (Daily Max.)	82 mg/L (Daily Max. for 7/2014)	
860-0469	KYG040569	150	Total Manganese	2 mg/L (Monthly Ave.)	3.115 mg/L (Monthly Ave. for 7/2014)	31
860-0469	KYG040569	151	Total Manganese	2 mg/L (Monthly Ave.)	26.1 mg/L (Monthly Ave. for 8/2014)	31
				4 mg/L (Daily Max.)	26.1 mg/L (Daily Max. for 8/2014)	
860-0469	KYG040569	153	Total Manganese	2 mg/L (Monthly Ave.)	4.285 mg/L (Monthly Ave. for 7/2014)	31
				4 mg/L (Daily Max.)	5.85 mg/L (Daily Max. for 7/2014)	
860-0469	KYG040569	153	Total Manganese	2 mg/L (Monthly Ave.)	9.3 mg/L (Monthly Ave. for 8/2014)	31
				4 mg/L (Daily Max.)	9.3 mg/L (Daily Max. for 8/2014)	
860-0469	KYG040569	153	Total Manganese	2 mg/L (Monthly Ave.)	22.2155 mg/L (Monthly Ave. for 9/2014)	30
				4 mg/L (Daily Max.)	44 mg/L (Daily Max. for 9/2014)	
860-9014	KY0101761	133	Total Manganese	2 mg/L (Monthly Ave.)	2.19 mg/L (Monthly Ave. for 9/2014)	30

FRASURE CREEK, LLC  
ATTACHMENT 1

897-0497	KYG044510	195	Total Suspended Solids	35 mg/L (Monthly Ave.)	38 mg/L (Monthly Ave. for 7/2014)	31
897-0499	KYG044971	103	Total Suspended Solids	35 mg/L (Monthly Ave.)	36 mg/L (Monthly Ave. for 9/2014)	30
897-0499	KYG044971	104	Total Manganese	2 mg/L (Monthly Ave.)	2.095 mg/L (Monthly Ave. for 7/2014)	31
897-0499	KYG044971	104	Total Manganese	2 mg/L (Monthly Ave.)	2.26 mg/L (Monthly Ave. for 9/2014)	30
897-0527	KYG044054	195	Total Suspended Solids	35 mg/L (Monthly Ave.)	38 mg/L (Monthly Ave. for 7/2014)	31
897-8048	KY0046981	272	Total Manganese	2 mg/L (Monthly Ave.)	3.28 mg/L (Monthly Ave. for 8/2014)	31
813-0321	KYG040075	Dam 119	Total Suspended Solids	35 mg/L (Monthly Ave.)	46 mg/L (Monthly Ave. for 11/2014)	30
				70 mg/L (Daily Max.)	82 mg/L (Daily Max. for 11/2014)	
813-0321	KYG040075	Dam 123R	Total Manganese	2 mg/L (Monthly Ave.)	2.195 mg/L (Monthly Ave. for 10/2014)	31
813-0321	KYG040075	Dam 123R	Total Manganese	2 mg/L (Monthly Ave.)	2.915 mg/L (Monthly Ave. for 12/2014)	31
813-0350	KYG045943	123	Total Manganese	2 mg/L (Monthly Ave.)	3.1 mg/L (Monthly Ave. for 10/2014)	31
813-0350	KYG045943	123	pH	Max 9.0; Min. 6.0	5.18 (Daily Min. for 10/2014)	1
813-0350	KYG045943	123	Total Manganese	2 mg/L (Monthly Ave.)	2.134 mg/L (Monthly Ave. for 11/2014)	30
813-0350	KYG045943	123	pH	Max 9.0; Min. 6.0	5.84 (Daily Min. for 11/2014)	1
813-0350	KYG045943	123	Total Manganese	2 mg/L (Monthly Ave.)	3.67 mg/L (Monthly Ave. for 12/2014)	31
				4 mg/L (Daily Max.)	4.1 mg/L (Daily Max. for 12/2014)	



FRASURE CREEK, LLC  
ATTACHMENT 1

813-0350	KYG045943	281	pH	Max 9.0; Min. 6.0	5.78 (Daily Min. for 10/2014)	1
813-0350	KYG045943	284	Total Suspended Solids	35 mg/L (Monthly Ave.)	51.5 mg/L (Monthly Ave. for 11/2014)	30
				70 mg/L (Daily Max.)	99 mg/L (Daily Max. for 11/2014)	
813-0350	KYG045943	284	Total Manganese	2 mg/L (Monthly Ave.)	2.52 mg/L (Monthly Ave. for 11/2014)	30
813-0350	KYG045943	285	Total Manganese	2 mg/L (Monthly Ave.)	3.77 mg/L (Monthly Ave. for 10/2014)	31
				4 mg/L (Daily Max.)	4.08 mg/L (Daily Max. for 10/2014)	
813-0350	KYG045943	285	Total Manganese	2 mg/L (Monthly Ave.)	2.0405 mg/L (Monthly Ave. for 11/2014)	30
813-0350	KYG045943	285	Total Manganese	2 mg/L (Monthly Ave.)	3.43 mg/L (Monthly Ave. for 12/2014)	31
813-0350	KYG045943	286	Total Manganese	2 mg/L (Monthly Ave.)	2.12 mg/L (Monthly Ave. for 10/2014)	31
813-0350	KYG045943	286	Total Manganese	2 mg/L (Monthly Ave.)	2.495 mg/L (Monthly Ave. for 12/2014)	31
836-0326	KY0108111	6	Total Suspended Solids	35 mg/L (Monthly Ave.)	49 mg/L (Monthly Ave. for 9/2014)	30
836-0326	KY0108111	6	Total Suspended Solids	35 mg/L (Monthly Ave.)	76.5 mg/L (Monthly Ave. for 10/2014)	31
				70 mg/L (Daily Max.)	141 mg/L (Daily Max. for 10/2014)	
836-0326	KY0108111	6	Total Iron	3 mg/L (Monthly Ave.)	3.105 mg/L (Monthly Ave. for 10/2014)	31
				4 mg/L (Daily Max.)	5.94 mg/L (Daily Max. for 10/2014)	

FRASURE CREEK, LLC  
ATTACHMENT 1

836-0391	KYG045764	2	Total Suspended Solids	35 mg/L (Monthly Ave.)	84.5 mg/L (Monthly Ave. for 12/2014)	31
				70 mg/L (Daily Max.)	166 mg/L (Daily Max. for 12/2014)	
860-0467	KYG041006	167	Total Manganese	2 mg/L (Monthly Ave.)	2.74 mg/L (Monthly Ave. for 10/2014)	31
860-0467	KYG041006	167	Total Manganese	2 mg/L (Monthly Ave.)	2.905 mg/L (Monthly Ave. for 12/2014)	31
860-0468	KYG046750	104	Total Manganese	2 mg/L (Monthly Ave.)	2.195 mg/L (Monthly Ave. for 10/2014)	31
860-0468	KYG046750	104	Total Manganese	2 mg/L (Monthly Ave.)	2.915 mg/L (Monthly Ave. for 12/2014)	31
860-0468	KYG046750	133	Total Manganese	2 mg/L (Monthly Ave.)	2.23 mg/L (Monthly Ave. for 10/2014)	31
860-0468	KYG046750	133	Total Manganese	2 mg/L (Monthly Ave.)	2.41 mg/L (Monthly Ave. for 11/2014)	30
860-0468	KYG046750	133	Total Manganese	2 mg/L (Monthly Ave.)	2.22 mg/L (Monthly Ave. for 12/2014)	31
860-0469	KYG040569	140	Total Manganese	2 mg/L (Monthly Ave.)	6.605 mg/L (Monthly Ave. for 10/2014)	31
				4 mg/L (Daily Max.)	7.03 mg/L (Daily Max. for 10/2014)	
860-0469	KYG040569	140	Total Manganese	2 mg/L (Monthly Ave.)	5.51 mg/L (Monthly Ave. for 11/2014)	30
				4 mg/L (Daily Max.)	6.59 mg/L (Daily Max. for 11/2014)	
860-0469	KYG040569	140	Total Manganese	2 mg/L (Monthly Ave.)	6.13 mg/L (Monthly Ave. for 12/2014)	31
				4 mg/L (Daily Max.)	6.13 mg/L (Daily Max. for 12/2014)	

FRASURE CREEK, LLC  
ATTACHMENT 1

860-0469	KYG040569	142	Total Manganese	2 mg/L (Monthly Ave.)	17.3 mg/L (Monthly Ave. for 10/2014)	31
				4 mg/L (Daily Max.)	19.6 mg/L (Daily Max. for 10/2014)	
860-0469	KYG040569	142	Total Manganese	2 mg/L (Monthly Ave.)	6.45 mg/L (Monthly Ave. for 11/2014)	30
				4 mg/L (Daily Max.)	12.9 mg/L (Daily Max. for 11/2014)	
860-0469	KYG040569	142	Total Manganese	2 mg/L (Monthly Ave.)	15.9 mg/L (Monthly Ave. for 12/2014)	31
				4 mg/L (Daily Max.)	18.7 mg/L (Daily Max. for 12/2014)	
860-0469	KYG040569	143	Total Iron	4 mg/L (Daily Max.)	4.72 mg/L (Daily Max. for 11/2014)	1
860-0469	KYG040569	143	Total Manganese	2 mg/L (Monthly Ave.)	3.495 mg/L (Monthly Ave. for 11/2014)	30
				4 mg/L (Daily Max.)	5.03 mg/L (Daily Max. for 11/2014)	
860-0469	KYG040569	143	Total Iron	3 mg/L (Monthly Ave.)	5.02 mg/L (Monthly Ave. for 12/2014)	31
				4 mg/L (Daily Max.)	5.21 mg/L (Daily Max. for 12/2014)	
860-0469	KYG040569	143	Total Manganese	2 mg/L (Monthly Ave.)	6.455 mg/L (Monthly Ave. for 12/2014)	31
				4 mg/L (Daily Max.)	6.61 mg/L (Daily Max. for 12/2014)	
860-0469	KYG040569	146	Total Manganese	2 mg/L (Monthly Ave.)	5.745 mg/L (Monthly Ave. for 10/2014)	31
				4 mg/L (Daily Max.)	5.78 mg/L (Daily Max. for 10/2014)	

FRASURE CREEK, LLC  
ATTACHMENT 1

860-0469	KYG040569	146	Total Manganese	2 mg/L (Monthly Ave.)	3.86 mg/L (Monthly Ave. for 11/2014)	30
				4 mg/L (Daily Max.)	6.38 mg/L (Daily Max. for 11/2014)	
860-0469	KYG040569	146	Total Manganese	2 mg/L (Monthly Ave.)	7.315 mg/L (Monthly Ave. for 12/2014)	31
				4 mg/L (Daily Max.)	8.49 mg/L (Daily Max. for 12/2014)	
860-0469	KYG040569	147	Total Manganese	2 mg/L (Monthly Ave.)	6.835 mg/L (Monthly Ave. for 11/2014)	30
				4 mg/L (Daily Max.)	11.5 mg/L (Daily Max. for 11/2014)	
860-0469	KYG040569	147	Total Manganese	2 mg/L (Monthly Ave.)	13.65 mg/L (Monthly Ave. for 12/2014)	31
				4 mg/L (Daily Max.)	15.3 mg/L (Daily Max. for 12/2014)	
860-0469	KYG040569	148	Total Manganese	2 mg/L (Monthly Ave.)	15.75 mg/L (Monthly Ave. for 10/2014)	31
				4 mg/L (Daily Max.)	18 mg/L (Daily Max. for 10/2014)	
860-0469	KYG040569	148	Total Manganese	2 mg/L (Monthly Ave.)	15.58 mg/L (Monthly Ave. for 11/2014)	30
				4 mg/L (Daily Max.)	26.4 mg/L (Daily Max. for 11/2014)	
860-0469	KYG040569	148	Total Manganese	2 mg/L (Monthly Ave.)	23.75 mg/L (Monthly Ave. for 12/2014)	31
				4 mg/L (Daily Max.)	24.1 mg/L (Daily Max. for 12/2014)	
860-0469	KYG040569	151	Total Manganese	2 mg/L (Monthly Ave.)	18.75 mg/L (Monthly Ave. for 11/2014)	30
				4 mg/L (Daily Max.)	23.2 mg/L (Daily Max. for 11/2014)	

FRASURE CREEK, LLC  
ATTACHMENT 1

860-0469	KYG040569	151	Total Manganese	2 mg/L (Monthly Ave.)	18.15 mg/L (Monthly Ave. for 12/2014)	31
				4 mg/L (Daily Max.)	20 mg/L (Daily Max. for 12/2014)	
860-0469	KYG040569	152	Total Manganese	2 mg/L (Monthly Ave.)	9.22 mg/L (Monthly Ave. for 11/2014)	30
				4 mg/L (Daily Max.)	11.1 mg/L (Daily Max. for 11/2014)	
860-0469	KYG040569	152	Total Manganese	2 mg/L (Monthly Ave.)	13.05 mg/L (Monthly Ave. for 12/2014)	31
				4 mg/L (Daily Max.)	13.7 mg/L (Daily Max. for 12/2014)	
860-0469	KYG040569	156	pH	Max 9.0; Min. 6.0	5.93 (Daily Min. for 10/2014)	1
860-0469	KYG040569	156	pH	Max 9.0; Min. 6.0	5.5 (Daily Min. for 11/2014)	1
860-0469	KYG040569	156	pH	Max 9.0; Min. 6.0	5.64 (Daily Min. for 12/2014)	1
860-9014	KY0101761	133	Total Manganese	2 mg/L (Monthly Ave.)	2.23 mg/L (Monthly Ave. for 10/2014)	31
860-9014	KY0101761	133	Total Manganese	2 mg/L (Monthly Ave.)	2.41 mg/L (Monthly Ave. for 11/2014)	30
860-9014	KY0101761	133	Total Manganese	2 mg/L (Monthly Ave.)	2.22 mg/L (Monthly Ave. for 12/2014)	31
860-9014	KY0101761	290	Total Manganese	2 mg/L (Monthly Ave.)	3.645 mg/L (Monthly Ave. for 11/2014)	30
				4 mg/L (Daily Max.)	4.46 mg/L (Daily Max. for 11/2014)	
897-0499	KYG044971	103	Total Suspended Solids	35 mg/L (Monthly Ave.)	46 mg/L (Monthly Ave. for 11/2014)	30
				70 mg/L (Daily Max.)	82 mg/L (Daily Max. for 11/2014)	

FRASURE CREEK, LLC  
ATTACHMENT 1

860-9014	KY0101761	290	Total Manganese	2 mg/L (Monthly Ave.)	3.71 mg/L (Monthly Ave. for 12/2014)	31
				4 mg/L (Daily Max.)	4.1 mg/L (Daily Max. for 12/2014)	
897-0499	KYG044971	104	Total Manganese	2 mg/L (Monthly Ave.)	2.195 mg/L (Monthly Ave. for 10/2014)	31
897-0499	KYG044971	104	Total Manganese	2 mg/L (Monthly Ave.)	2.915 mg/L (Monthly Ave. for 12/2014)	31
897-0499	KYG044971	172	Total Suspended Solids	35 mg/L (Monthly Ave.)	39.5 mg/L (Monthly Ave. for 11/2014)	30
				70 mg/L (Daily Max.)	79 mg/L (Daily Max. for 11/2014)	
897-0499	KYG044971	174	Total Suspended Solids	35 mg/L (Monthly Ave.)	91.5 mg/L (Monthly Ave. for 11/2014)	30
				70 mg/L (Daily Max.)	183 mg/L (Daily Max. for 11/2014)	
860-0469	KYG040569	155	pH	Max 9.0; Min. 6.0	5.57 (Daily Min. for 10/2014)	1
860-0469	KYG040569	145	pH	Max 9.0; Min. 6.0	5.14 (Daily Min. for 12/2014)	1
860-0469	KYG040569	154	pH	Max 9.0; Min. 6.0	4.97 (Daily Min. for 11/2014)	1
860-0469	KYG040569	154	pH	Max 9.0; Min. 6.0	4.92 (Daily Min. for 12/2014)	1
860-0469	KYG040569	153	pH	Max 9.0; Min. 6.0	4.89 (Daily Min. for 11/2014)	1
860-0469	KYG040569	145	pH	Max 9.0; Min. 6.0	4.83 (Daily Min. for 11/2014)	1
860-0469	KYG040569	155	pH	Max 9.0; Min. 6.0	4.72 (Daily Min. for 9/2014)	1
860-0469	KYG040569	155	pH	Max 9.0; Min. 6.0	4.71 (Daily Min. for 12/2014)	1
860-0469	KYG040569	154	pH	Max 9.0; Min. 6.0	4.68 (Daily Min. for 10/2014)	1

FRASURE CREEK, LLC  
ATTACHMENT 1

860-0469	KYG040569	153	pH	Max 9.0; Min. 6.0	4.03 (Daily Min. for 12/2014)	1
----------	-----------	-----	----	----------------------	----------------------------------	---