TRADET LABORATORIES
P.O. Box 2019
Wheeling, WV 26003-0219

Phone: (304) 233-9060
Fax: (304) 233-9063
Shipping Address: 8 Industrial Park Drive
Wheeling, WV 26003

LABORATORY ANALYSES

American Energy Corporation
Century Mine
43521 Mayhugh Hill Road Twp. Hwy. 88
Beallsville, OH 43716
Attn: Mr. Fred Blumling

14-Jul-10

By: William Simpson
TraDet Laboratories

Company:	American Energy Corporation	Sampled By:	CSG (MK)
Plant:	Century Mine	Date & Time Sampled:	07-02-10 1035
Source:	D-1159 Pond 001	Date & Time Received:	07-02-10 1330
Analysis Number:	1007050		

PARAMETER	CONCENTRATION		QUALIFIER	DATE & TIME ANALYZED	ANALYST	METHOD	PQL	MDL	
Flow	1850	GPD		07-02-10 1035	CSG (MK)				
Temperature, Field	24.5	°C		07-02-10 1035	CSG (MK)				
pH, Field	8.75	S.U.		07-02-10 1035	CSG (MK)				
pH, Lab	8.75	S.U.	H	07-07-10 1650	LW	4500HB [2]			
Specific Conductance	1607	µmhos/cm		07-07-10 1430	LW	120.1 [3]	7.00	2.31	µmhos/cm
Total Dissolved Solids	1130	mg/L		07-06-10 1000	LW	2540C [2]	46.7	15.6	mg/L
Total Suspended Solids	ND	mg/L		07-06-10 1000	LW	2540D [2]	17	5.7	mg/L
Iron	0.04	mg/L	J	07-09-10 1600	TW	3111B [1]	0.1	0.03	mg/L
Manganese	0.03	mg/L		07-09-10 1600	TW	3111B [1]	0.02	0.006	mg/L

cc: Stan Piasecki, Coal Services Group, Inc.

MCL – Maximum Contaminant Level
MDL – Minimum Detection Limit
NA – Not Applicable
ND – Not Detected at PQL or MDL
PQL – Practical Quantitation Limit
B – Analyte detected in associated Method Blank

E – Estimated Value above quantitation limits
D - Duplicate not within control limits
H – Holding times for preparation or analysis exceeded
J – Analyte detected below quantitation limits
Q - Quality Control standard exceeds control limits
S – Spike recovery exceeds laboratory control limits

[1] – Standard Methods, 18th Edition
[2] – Standard Methods, 20th Edition
[3] – US EPA
[4] – ASTM
[5] – EPA SW846

TRADET LABORATORIES
P.O. Box 2019
Wheeling, WV 26003-0219

Phone: (304) 233-9060
Fax: (304) 233-9063
Shipping Address: 8 Industrial Park Drive
Wheeling, WV 26003

LABORATORY ANALYSES

American Energy Corporation
Century Mine
43521 Mayhugh Hill Road Twp. Hwy. 88
Beallsville, OH 43716
Attn: Mr. Fred Blumling

14-Jul-10

By: William Dunn
TraDet Laboratories

Company:	American Energy Corporation	Sampled By:	CSG (MK)
Plant:	Century Mine	Date & Time Sampled:	07-02-10 1200
Source:	D-0425 Pond 002	Date & Time Received:	07-02-10 1330
Analysis Number:	1007049		

PARAMETER	CONCENTRATION		QUALIFIER	DATE & TIME ANALYZED	ANALYST	METHOD	PQL	MDL	
Flow	38,700	GPD		07-02-10 1200	CSG (MK)				
Temperature, Field	24.3	°C		07-02-10 1200	CSG (MK)				
pH, Field	7.93	S.U.		07-02-10 1200	CSG (MK)				
pH, Lab	8.18	S.U.	H	07-07-10 0925	LW	4500HB [2]			
Total Dissolved Solids	5160	mg/L		07-06-10 1000	LW	2540C [2]	46.7	15.6	mg/L
Total Suspended Solids	ND	mg/L		07-06-10 1000	LW	2540D [2]	17	5.7	mg/L
Iron	0.18	mg/L		07-09-10 1600	TW	3111B [1]	0.1	0.03	mg/L
Manganese	0.03	mg/L		07-09-10 1600	TW	3111B [1]	0.02	0.006	mg/L

cc: Stan Piasecki, Coal Services Group, Inc.

MCL – Maximum Contaminant Level
MDL – Minimum Detection Limit
NA – Not Applicable
ND – Not Detected at PQL or MDL
PQL – Practical Quantitation Limit
B – Analyte detected in associated Method Blank

E – Estimated Value above quantitation limits
D - Duplicate not within control limits
H – Holding times for preparation or analysis exceeded
J – Analyte detected below quantitation limits
Q - Quality Control standard exceeds control limits
S – Spike recovery exceeds laboratory control limits

[1] – Standard Methods, 18th Edition
[2] – Standard Methods, 20th Edition
[3] – US EPA
[4] – ASTM
[5] – EPA SW846

TRADET LABORATORIES
P.O. Box 2019
Wheeling, WV 26003-0219

Phone: (304) 233-9060
Fax: (304) 233-9063
Shipping Address: 8 Industrial Park Drive
Wheeling, WV 26003

LABORATORY ANALYSES

American Energy Corporation
Century Mine
43521 Mayhugh Hill Road Twp. Hwy. 88
Beallsville, OH 43716
Attn: Mr. Fred Blumling

26-Jul-10

By: William Simpson
TraDet Laboratories

Company:	American Energy Corporation	Sampled By:	CSG (MK)
Plant:	Century Mine	Date & Time Sampled:	07-15-10 1215
Source:	D-0425 Pond 002	Date & Time Received:	07-15-10 1433
Analysis Number:	1007313		

PARAMETER	CONCENTRATION		QUALIFIER	DATE & TIME ANALYZED	ANALYST	METHOD	PQL	MDL	
Flow	41,500	GPD		07-15-10 1215	CSG (MK)				
Temperature, Field	26.9	°C		07-15-10 1215	CSG (MK)				
pH, Field	8.16	S.U.		07-15-10 1215	CSG (MK)				
pH, Lab	8.26	S.U.	H	07-20-10 0825	LW	4500HB [2]			
Total Suspended Solids	ND	mg/L		07-21-10 0955	TW	2540D [2]	17	5.7	mg/L
Total Dissolved Solids	4871	mg/L		07-21-10 0955	TW	2540C [2]	46.7	15.6	mg/L
Iron	0.23	mg/L		07-22-10 1759	TW	3111B [1]	0.1	0.03	mg/L
Manganese	0.045	mg/L		07-22-10 1759	TW	3111B [1]	0.02	0.006	mg/L

cc: Stan Piasecki, Coal Services Group, Inc.

MCL – Maximum Contaminant Level
MDL – Minimum Detection Limit
NA – Not Applicable
ND – Not Detected at PQL or MDL
PQL – Practical Quantitation Limit
B – Analyte detected in associated Method Blank

E – Estimated Value above quantitation limits
D - Duplicate not within control limits
H – Holding times for preparation or analysis exceeded
J – Analyte detected below quantitation limits
Q - Quality Control standard exceeds control limits
S – Spike recovery exceeds laboratory control limits

[1] – Standard Methods, 18th Edition
[2] – Standard Methods, 20th Edition
[3] – US EPA
[4] – ASTM
[5] – EPA SW846

TRADET LABORATORIES
P.O. Box 2019
Wheeling, WV 26003-0219

Phone: (304) 233-9060
Fax: (304) 233-9063
Shipping Address: 8 Industrial Park Drive
Wheeling, WV 26003

LABORATORY ANALYSES

American Energy Corporation
Century Mine
43521 Mayhugh Hill Road Twp. Hwy. 88
Beallsville, OH 43716
Attn: Mr. Fred Blumling

14-Jul-10

By: _____
TraDet Laboratories

Company:	American Energy Corporation	Sampled By:	CSG (MK)
Plant:	Century Mine	Date & Time Sampled:	07-01-10 1115
Source:	D-0425 Pond 008	Date & Time Received:	07-02-10 0755
Analysis Number:	1007042		

PARAMETER	CONCENTRATION		QUALIFIER	DATE & TIME ANALYZED	ANALYST	METHOD	PQL	MDL	
Flow	105,000	GPD		07-01-10 1115	CSG (MK)				
Temperature, Field	24.4	°C		07-01-10 1115	CSG (MK)				
pH, Field	8.31	S.U.		07-01-10 1115	CSG (MK)				
pH, Lab	8.29	S.U.	H	07-07-10 1650	LW	4500HB [2]			
Specific Conductance	6280	µmhos/cm		07-07-10 1430	LW	120.1 [3]	7.00	2.31	µmhos/cm
Total Dissolved Solids	8770	mg/L		07-06-10 1000	LW	2540C [2]	46.7	15.6	mg/L
Total Suspended Solids	ND	mg/L		07-06-10 1000	LW	2540D [2]	17	5.7	mg/L
Iron	0.14	mg/L		07-09-10 1600	TW	3111B [1]	0.1	0.03	mg/L
Manganese	0.17	mg/L		07-09-10 1600	TW	3111B [1]	0.02	0.006	mg/L

cc: Stan Piasecki, Coal Services Group, Inc.

MCL – Maximum Contaminant Level
MDL – Minimum Detection Limit
NA – Not Applicable
ND – Not Detected at PQL or MDL
PQL – Practical Quantitation Limit
B – Analyte detected in associated Method Blank

E – Estimated Value above quantitation limits
D - Duplicate not within control limits
H – Holding times for preparation or analysis exceeded
J – Analyte detected below quantitation limits
Q - Quality Control standard exceeds control limits
S – Spike recovery exceeds laboratory control limits

[1] – Standard Methods, 18th Edition
[2] – Standard Methods, 20th Edition
[3] – US EPA
[4] – ASTM
[5] – EPA SW846

TRADET LABORATORIES
P.O. Box 2019
Wheeling, WV 26003-0219

Phone: (304) 233-9060
Fax: (304) 233-9063
Shipping Address: 8 Industrial Park Drive
Wheeling, WV 26003

LABORATORY ANALYSES

American Energy Corporation
Century Mine
43521 Mayhugh Hill Road Twp. Hwy. 88
Beallsville, OH 43716
Attn: Mr. Fred Blumling

26-Jul-10

By: William Bryan
TraDet Laboratories

Company:	American Energy Corporation	Sampled By:	CSG (MK)
Plant:	Century Mine	Date & Time Sampled:	07-15-10 1040
Source:	D-0425 Pond 008	Date & Time Received:	07-15-10 1433
Analysis Number:	1007312		

PARAMETER	CONCENTRATION		QUALIFIER	DATE & TIME ANALYZED	ANALYST	METHOD	PQL	MDL	
Flow	89,600	GPD		07-15-10 1040	CSG (MK)				
Temperature, Field	27.7	°C		07-15-10 1040	CSG (MK)				
pH, Field	7.87	S.U.		07-15-10 1040	CSG (MK)				
pH, Lab	8.15	S.U.	H	07-20-10 0825	LW	4500HB [2]			
Specific Conductance	11,100	µmhos/cm		07-17-10 0800	LW	120.1 [3]	7.00	2.31	µmhos/cm
Total Dissolved Solids	7866	mg/L		07-21-10 0955	TW	2540C [2]	46.7	15.6	mg/L
Total Suspended Solids	7.0	mg/L	J	07-21-10 0955	TW	2540D [2]	17	5.7	mg/L
Iron	0.25	mg/L		07-22-10 1759	TW	3111B [1]	0.1	0.03	mg/L
Manganese	1.47	mg/L		07-22-10 1759	TW	3111B [1]	0.02	0.006	mg/L

cc: Stan Piasecki, Coal Services Group, Inc.

MCL – Maximum Contaminant Level
MDL – Minimum Detection Limit
NA – Not Applicable
ND – Not Detected at PQL or MDL
PQL – Practical Quantitation Limit
B – Analyte detected in associated Method Blank

E – Estimated Value above quantitation limits
D - Duplicate not within control limits
H – Holding times for preparation or analysis exceeded
J – Analyte detected below quantitation limits
Q - Quality Control standard exceeds control limits
S – Spike recovery exceeds laboratory control limits

[1] – Standard Methods, 18th Edition
[2] – Standard Methods, 20th Edition
[3] – US EPA
[4] – ASTM
[5] – EPA SW846

TRADET LABORATORIES
P.O. Box 2019
Wheeling, WV 26003-0219

Phone: (304) 233-9060
Fax: (304) 233-9063
Shipping Address: 8 Industrial Park Drive
Wheeling, WV 26003

LABORATORY ANALYSES

American Energy Corporation
Century Mine
43521 Mayhugh Hill Road Twp. Hwy. 88
Beallsville, OH 43716
Attn: Mr. Fred Blumling

14-Jul-10

By: William Dwyer
TraDet Laboratories

Company:	American Energy Corporation	Sampled By:	CSG (MK)
Plant:	Century Mine	Date & Time Sampled:	07-01-10 1140
Source:	D-0425/D-1159 Pond 011	Date & Time Received:	07-02-10 0755
Analysis Number:	1007043		

PARAMETER	CONCENTRATION		QUALIFIER	DATE & TIME ANALYZED	ANALYST	METHOD	PQL	MDL	
Flow	61,500	GPD		07-01-10 1140	CSG (MK)				
Temperature, Field	24.3	°C		07-01-10 1140	CSG (MK)				
pH, Field	7.86	S.U.		07-01-10 1140	CSG (MK)				
pH, Lab	8.12	S.U.	H	07-07-10 0925	LW	4500HB [2]			
Total Suspended Solids	6.0	mg/L	J	07-06-10 1000	LW	2540D [2]	17	5.7	mg/L
Total Dissolved Solids	2240	mg/L		07-06-10 1000	LW	2540C [2]	46.7	15.6	mg/L
Iron	0.25	mg/L		07-09-10 1600	TW	2540C [2]	0.1	0.03	mg/L
Manganese	0.09	mg/L		07-09-10 1600	TW	2540D [2]	0.02	0.006	mg/L

cc: Stan Piasecki, Coal Services Group, Inc.

MCL – Maximum Contaminant Level
MDL – Minimum Detection Limit
NA – Not Applicable
ND – Not Detected at PQL or MDL
PQL – Practical Quantitation Limit
B – Analyte detected in associated Method Blank

E – Estimated Value above quantitation limits
D - Duplicate not within control limits
H – Holding times for preparation or analysis exceeded
J – Analyte detected below quantitation limits
Q - Quality Control standard exceeds control limits
S – Spike recovery exceeds laboratory control limits

[1] – Standard Methods, 18th Edition
[2] – Standard Methods, 20th Edition
[3] – US EPA
[4] – ASTM
[5] – EPA SW846

TRADET LABORATORIES
P.O. Box 2019
Wheeling, WV 26003-0219

Phone: (304) 233-9060
Fax: (304) 233-9063
Shipping Address: 8 Industrial Park Drive
Wheeling, WV 26003

LABORATORY ANALYSES

American Energy Corporation
Century Mine
43521 Mayhugh Hill Road Twp. Hwy. 88
Beallsville, OH 43716
Attn: Mr. Fred Blumling

26-Jul-10

By: William Bragg
TraDet Laboratories

Company:	American Energy Corporation	Sampled By:	CSG (MK)
Plant:	Century Mine	Date & Time Sampled:	07-15-10 1115
Source:	D-0425/D-1159 Pond 011	Date & Time Received:	07-15-10 1433
Analysis Number:	1007314		

PARAMETER	CONCENTRATION		QUALIFIER	DATE & TIME ANALYZED	ANALYST	METHOD	PQL	MDL	
Flow	68,750	GPD		07-15-10 1115	CSG (MK)				
Temperature, Field	27.1	°C		07-15-10 1115	CSG (MK)				
pH, Field	7.64	S.U.		07-15-10 1115	CSG (MK)				
pH, Lab	8.34	S.U.	H	07-20-10 0825	LW	4500HB [2]			
Total Suspended Solids	ND	mg/L		07-21-10 0955	TW	2540D [2]	17	5.7	mg/L
Total Dissolved Solids	2285	mg/L		07-21-10 0955	TW	2540C [2]	46.7	15.6	mg/L
Iron	0.14	mg/L		07-22-10 1759	TW	2540C [2]	0.1	0.03	mg/L
Manganese	0.091	mg/L		07-22-10 1759	TW	2540D [2]	0.02	0.006	mg/L

cc: Stan Piasecki, Coal Services Group, Inc.

MCL – Maximum Contaminant Level
MDL – Minimum Detection Limit
NA – Not Applicable
ND – Not Detected at PQL or MDL
PQL – Practical Quantitation Limit
B – Analyte detected in associated Method Blank

E – Estimated Value above quantitation limits
D - Duplicate not within control limits
H – Holding times for preparation or analysis exceeded
J – Analyte detected below quantitation limits
Q - Quality Control standard exceeds control limits
S – Spike recovery exceeds laboratory control limits

[1] – Standard Methods, 18th Edition
[2] – Standard Methods, 20th Edition
[3] – US EPA
[4] – ASTM
[5] – EPA SW846

TRADET LABORATORIES
P.O. Box 2019
Wheeling, WV 26003-0219

Phone: (304) 233-9060
Fax: (304) 233-9063
Shipping Address: 8 Industrial Park Drive
Wheeling, WV 26003

LABORATORY ANALYSES

American Energy Corporation
Century Mine
43521 Mayhugh Hill Road Twp. Hwy. 88
Beallsville, OH 43716
Attn: Mr. Fred Blumling

14-Jul-10

By: William Simpson
TraDet Laboratories

Company:	American Energy Corporation	Sampled By:	CSG (MK)
Plant:	Century Mine	Date & Time Sampled:	07-02-10 1000
Source:	D-0425 Pond 015	Date & Time Received:	07-02-10 1330
Analysis Number:	1007048		

PARAMETER	CONCENTRATION		QUALIFIER	DATE & TIME ANALYZED	ANALYST	METHOD	PQL	MDL	
Flow	5400	GPD		07-02-10 1000	CSG (MK)				
Temperature, Field	21.5	°C		07-02-10 1000	CSG (MK)				
pH, Field	8.32	S.U.		07-02-10 1000	CSG (MK)				
pH, Lab	8.24	S.U.	H	07-07-10 1650	LW	4500HB [2]			
Specific Conductance	6090	µmhos/cm		07-07-10 1430	LW	120.1 [3]	7.00	2.31	µmhos/cm
Total Dissolved Solids	8750	mg/L		07-06-10 1000	LW	2540C [2]	46.7	15.6	mg/L
Total Suspended Solids	25	mg/L		07-06-10 1000	LW	2540D [2]	17	5.7	mg/L
Iron	0.32	mg/L		07-09-10 1600	TW	3111B [1]	0.1	0.03	mg/L
Manganese	0.17	mg/L		07-09-10 1600	TW	3111B [1]	0.02	0.006	mg/L

cc: Stan Piasecki, Coal Services Group, Inc.

MCL – Maximum Contaminant Level
MDL – Minimum Detection Limit
NA – Not Applicable
ND – Not Detected at PQL or MDL
PQL – Practical Quantitation Limit
B – Analyte detected in associated Method Blank

E – Estimated Value above quantitation limits
D - Duplicate not within control limits
H – Holding times for preparation or analysis exceeded
J – Analyte detected below quantitation limits
Q - Quality Control standard exceeds control limits
S – Spike recovery exceeds laboratory control limits

[1] – Standard Methods, 18th Edition
[2] – Standard Methods, 20th Edition
[3] – US EPA
[4] – ASTM
[5] – EPA SW846

TRADET LABORATORIES
P.O. Box 2019
Wheeling, WV 26003-0219

Phone: (304) 233-9060
Fax: (304) 233-9063
Shipping Address: 8 Industrial Park Drive
Wheeling, WV 26003

LABORATORY ANALYSES

American Energy Corporation
Century Mine
43521 Mayhugh Hill Road Twp. Hwy. 88
Beallsville, OH 43716
Attn: Mr. Fred Blumling

26-Jul-10

By: William Thompson
TraDet Laboratories

Company:	American Energy Corporation	Sampled By:	CSG (MK)
Plant:	Century Mine	Date & Time Sampled:	07-15-10 1000
Source:	D-0425 Pond 015	Date & Time Received:	07-15-10 1433
Analysis Number:	1007311		

PARAMETER	CONCENTRATION		QUALIFIER	DATE & TIME ANALYZED	ANALYST	METHOD	PQL	MDL	
Flow	5400	GPD		07-15-10 1000	CSG (MK)				
Temperature, Field	26.3	°C		07-15-10 1000	CSG (MK)				
pH, Field	8.08	S.U.		07-15-10 1000	CSG (MK)				
pH, Lab	8.11	S.U.	H	07-20-10 0825	LW	4500HB [2]			
Specific Conductance	11,600	µmhos/cm		07-17-10 0800	LW	120.1 [3]	7.00	2.31	µmhos/cm
Total Dissolved Solids	8596	mg/L		07-21-10 0955	TW	2540C [2]	46.7	15.6	mg/L
Total Suspended Solids	ND	mg/L		07-21-10 0955	TW	2540D [2]	17	5.7	mg/L
Iron	0.73	mg/L		07-22-10 1759	TW	3111B [1]	0.1	0.03	mg/L
Manganese	0.908	mg/L		07-22-10 1759	TW	3111B [1]	0.02	0.006	mg/L

cc: Stan Piasecki, Coal Services Group, Inc.

MCL – Maximum Contaminant Level
MDL – Minimum Detection Limit
NA – Not Applicable
ND – Not Detected at PQL or MDL
PQL – Practical Quantitation Limit
B – Analyte detected in associated Method Blank

E – Estimated Value above quantitation limits
D - Duplicate not within control limits
H – Holding times for preparation or analysis exceeded
J – Analyte detected below quantitation limits
Q - Quality Control standard exceeds control limits
S – Spike recovery exceeds laboratory control limits

[1] – Standard Methods, 18th Edition
[2] – Standard Methods, 20th Edition
[3] – US EPA
[4] – ASTM
[5] – EPA SW846

TRADET LABORATORIES
P.O. Box 2019
Wheeling, WV 26003-0219

Phone: (304) 233-9060
Fax: (304) 233-9063
Shipping Address: 8 Industrial Park Drive
Wheeling, WV 26003

LABORATORY ANALYSES
Amended Report

American Energy Corporation
Century Mine
43521 Mayhugh Hill Road Twp. Hwy. 88
Beallsville, OH 43716
Attn: Mr. Drew Hudson

13-Jul-10

By: _____
TraDet Laboratories

Company:	American Energy Corporation	Sampled By:	QES (WD)
Plant:	017 STP	Date & Time Sampled:	07-01-10 1300
Source:	Effluent	Date & Time Received:	07-02-10 0755
Analysis Number:	1007044		

PARAMETER	CONCENTRATION		QUALIFIER	DATE & TIME ANALYZED	ANALYST	METHOD	PQL	MDL	
Temperature	23.4	°C		07-01-10 1300	QES (WD)				
Dissolved Oxygen, Field	6.8	mg/L		07-01-10 1300	QES (WD)				
pH, Field	7.69	S.U.		07-01-10 1300	QES (WD)				
Total Suspended Solids	ND	mg/L		07-06-10 1000	LW	2540D [2]	17	5.7	mg/L
Ammonia Nitrogen (as N)	0.73	mg/L		07-09-10 0900	WB	4500NH_3B & C [2]	0.15	0.05	mg/L
CBOD - 5 day	4.59	mg/L		07-02-10 1130	TW/LW	5210B [2]	3.6	1.2	mg/L

cc: Stan Piasecki, Coal Services Group, Inc.

MCL – Maximum Contaminant Level
MDL – Minimum Detection Limit
NA – Not Applicable
ND – Not Detected at PQL or MDL
PQL – Practical Quantitation Limit
B – Analyte detected in associated Method Blank

E – Estimated Value above quantitation limits
D - Duplicate not within control limits
H – Holding times for preparation or analysis exceeded
J – Analyte detected below quantitation limits
Q - Quality Control standard exceeds control limits
S – Spike recovery exceeds laboratory control limits

[1] – Standard Methods, 18th Edition
[2] – Standard Methods, 20th Edition
[3] – US EPA
[4] – ASTM
[5] – EPA SW846

TRADET LABORATORIES
P.O. Box 2019
Wheeling, WV 26003-0219

Phone: (304) 233-9060
Fax: (304) 233-9063
Shipping Address: 8 Industrial Park Drive
Wheeling, WV 26003

LABORATORY ANALYSES

American Energy Corporation
Century Mine
43521 Mayhugh Hill Road Twp. Hwy. 88
Beallsville, OH 43716
Attn: Mr. Drew Hudson

15-Jul-10

By: William Simpson
TraDet Laboratories

Company:	American Energy Corporation	Sampled By:	QES (WD)
Plant:	017 STP	Date & Time Sampled:	07-08-10 0850
Source:	Effluent	Date & Time Received:	07-08-10 1015
Analysis Number:	1007122		

PARAMETER	CONCENTRATION		QUALIFIER	DATE & TIME ANALYZED	ANALYST	METHOD	PQL	MDL
Fecal Coliform (MF)	ND	CFU/100mL		07-08-10 1200	LW	9222D [1]	10 CFU/100 mL	

cc: Stan Piasecki, Coal Services Group, Inc.

MCL – Maximum Contaminant Level
MDL – Minimum Detection Limit
NA – Not Applicable
ND – Not Detected at PQL or MDL
PQL – Practical Quantitation Limit
B – Analyte detected in associated Method Blank

E – Estimated Value above quantitation limits
D - Duplicate not within control limits
H – Holding times for preparation or analysis exceeded
J – Analyte detected below quantitation limits
Q - Quality Control standard exceeds control limits
S – Spike recovery exceeds laboratory control limits

[1] – Standard Methods, 18th Edition
[2] – Standard Methods, 20th Edition
[3] – US EPA
[4] – ASTM
[5] – EPA SW846

TRADET LABORATORIES
P.O. Box 2019
Wheeling, WV 26003-0219

Phone: (304) 233-9060
Fax: (304) 233-9063
Shipping Address: 8 Industrial Park Drive
Wheeling, WV 26003

LABORATORY ANALYSES

American Energy Corporation
Century Mine
43521 Mayhugh Hill Road Twp. Hwy. 88
Beallsville, OH 43716
Attn: Mr. Drew Hudson

19-Jul-10

By: William Simpson
TraDet Laboratories

Company:	American Energy Corporation	Sampled By:	QES (WD)
Plant:	017 STP	Date & Time Sampled:	07-12-10 1200
Source:	Effluent	Date & Time Received:	07-13-10 0840
Analysis Number:	1007225		

PARAMETER	CONCENTRATION		QUALIFIER	DATE & TIME ANALYZED	ANALYST	METHOD	PQL	MDL	
Ammonia Nitrogen (as N)	0.29	mg/L		07-16-10 1530	WB	4500NH$_3$B & C [1]	0.13	0.04	mg/L

cc: Stan Piasecki, Coal Services Group, Inc.

MCL – Maximum Contaminant Level
MDL – Minimum Detection Limit
NA – Not Applicable
ND – Not Detected at PQL or MDL
PQL – Practical Quantitation Limit
B – Analyte detected in associated Method Blank

E – Estimated Value above quantitation limits
D - Duplicate not within control limits
H – Holding times for preparation or analysis exceeded
J – Analyte detected below quantitation limits
Q - Quality Control standard exceeds control limits
S – Spike recovery exceeds laboratory control limits

[1] – Standard Methods, 18th Edition
[2] – Standard Methods, 20th Edition
[3] – US EPA
[4] – ASTM
[5] – EPA SW846

TRADET LABORATORIES
P.O. Box 2019
Wheeling, WV 26003-0219

Phone: (304) 233-9060
Fax: (304) 233-9063
Shipping Address: 8 Industrial Park Drive
Wheeling, WV 26003

LABORATORY ANALYSES

American Energy Corporation
Century Mine
43521 Mayhugh Hill Road Twp. Hwy. 88
Beallsville, OH 43716
Attn: Mr. Drew Hudson

19-Jul-10

By: William Shipp
TraDet Laboratories

Company:	American Energy Corporation	Sampled By:	QES (DR)
Plant:	017 STP	Date & Time Sampled:	07-14-10 1055
Source:	Effluent	Date & Time Received:	07-15-10 0820
Analysis Number:	1007306		

PARAMETER	CONCENTRATION		QUALIFIER	DATE & TIME ANALYZED	ANALYST	METHOD	PQL	MDL	
Dissolved Oxygen, Field	6.7	mg/L		07-14-10 1055	QES (DR)				
Ammonia Nitrogen (as N)	0.36	mg/L		07-16-10 1530	WB	4500NH$_3$B & C [1]	0.13	0.04	mg/L

cc: Stan Piasecki, Coal Services Group, Inc.

MCL – Maximum Contaminant Level
MDL – Minimum Detection Limit
NA – Not Applicable
ND – Not Detected at PQL or MDL
PQL – Practical Quantitation Limit
B – Analyte detected in associated Method Blank

E – Estimated Value above quantitation limits
D - Duplicate not within control limits
H – Holding times for preparation or analysis exceeded
J – Analyte detected below quantitation limits
Q - Quality Control standard exceeds control limits
S – Spike recovery exceeds laboratory control limits

[1] – Standard Methods, 18th Edition
[2] – Standard Methods, 20th Edition
[3] – US EPA
[4] – ASTM
[5] – EPA SW846

TRADET LABORATORIES
P.O. Box 2019
Wheeling, WV 26003-0219
Phone: (304) 233-9060
Fax: (304) 233-9063
Shipping Address: 8 Industrial Park Drive
Wheeling, WV 26003

LABORATORY ANALYSES

American Energy Corporation
Century Mine
43521 Mayhugh Hill Road Twp. Hwy. 88
Beallsville, OH 43716
Attn: Mr. Drew Hudson

30-Jul-10

By: William Simpson
TraDet Laboratories

Company:	American Energy Corporation	Sampled By:	QES (WD)
Plant:	017 STP	Date & Time Sampled:	07-21-10 1030
Source:	Effluent	Date & Time Received:	07-21-10 1305
Analysis Number:	1007423		

PARAMETER	CONCENTRATION		QUALIFIER	DATE & TIME ANALYZED	ANALYST	METHOD	PQL	MDL	
Temperature	25	°C		07-21-10 1030	QES (WD)				
Dissolved Oxygen, Field	8.8	mg/L		07-21-10 1030	QES (WD)				
pH, Field	7.78	S.U.		07-21-10 1030	QES (WD)				
Total Suspended Solids	ND	mg/L		07-23-10 0915	MM/TW	2540D [2]	17	5.7	mg/L
Ammonia Nitrogen (as N)	0.27	mg/L		07-23-10 1430	WB	4500NH$_3$B & C [1]	0.13	0.04	mg/L
CBOD - 5 day	3.42	mg/L	J	07-22-10 1430	TW	5210B [2]	3.6	1.2	mg/L

cc: Stan Piasecki, Coal Services Group, Inc.

MCL – Maximum Contaminant Level
MDL – Minimum Detection Limit
NA – Not Applicable
ND – Not Detected at PQL or MDL
PQL – Practical Quantitation Limit
B – Analyte detected in associated Method Blank

E – Estimated Value above quantitation limits
D - Duplicate not within control limits
H – Holding times for preparation or analysis exceeded
J – Analyte detected below quantitation limits
Q - Quality Control standard exceeds control limits
S – Spike recovery exceeds laborztory control limits

[1] – Standard Methods, 18th Edition
[2] – Standard Methods, 20th Edition
[3] – US EPA
[4] – ASTM
[5] – EPA SW846

American Energy Corporation
Century Mine

Weekly Pond Monitoring D-1159

POND	DATE	FLOW	pH	COMMENTS
001	7-2-10	1,850	8.75	SAMPLED (monthly)
002		—		
011		62,000	7.78	
018A		—		

POND	DATE	FLOW	pH	COMMENTS
001	7-8-10	1,050	8.55	
002			—	
011		52,000	7.82	
018A			—	

POND	DATE	FLOW	pH	COMMENTS
001	7-16-10	1,100	8.51	
002			—	
011		65,250	7.69	
018A			—	

POND	DATE	FLOW	pH	COMMENTS
001	7-23-10	700 GPd	8.49	
002				
011		55,500	7.61	
018A				
001	7-29-10	1,500 GPd	8.61	
002		—	—	
011		59,500	7.47	
P018		—		

American Energy Corporation
Century Mine
OUTFALL: 013

MONTH OF: July 2010 D-0425

DAY	TIME	INITIALS	FLOW (MGD)	pH	SAMPLE TAKEN Y/N	COMMENTS
1	1220	MK	—	—	—	NO Flow
2	1025	MK	—	—	—	
3	0815	MK	—	—	—	
4	0827	MK	—	—	—	
5	1230	MK	—	—	—	
6	1015	MK	—	—	—	
7	1035	MK	—	—	—	
8	11:00	MK	—	—	—	
9	0925	MK	—	—	—	
10		JS	No Flow			
11		JS	No Flow			
12	1222	MK	—	—	—	
13	1025	MK	—	—	—	
14	1155	MK	—	—	—	
15	1140	MK	—	—	—	
16	1015	MK	—	—	—	
17	0842	MK	—	—	—	
18	0934	MK	—	—	—	
19	1300	MK	—	—	—	
20	1020	MK	—	—	—	
21	0950	MK	—	—	—	
22	1025	MK	—	—	—	
23	1110	MK	—	—	—	
24	0920	MK	—	—	—	
25	1000	MK	—	—	—	
26	1205	MK	—	—	—	
27	1230	MK	—	—	—	
28	11:10	MK	—	—	—	
29	10:40	MK	—	—	—	
30	0935	MK	—	—	—	
31	10:09	TD	—	—	—	

American Energy Corporation
Century Mine
OUTFALL: 014

MONTH OF: July 2010 D-0425

DAY	TIME	INITIALS	FLOW (MGD)	pH	SAMPLE TAKEN Y/N	COMMENTS
1	1235	MK	—	—	—	NO Flow
2	1305	MK	—	—	—	
3	1000	MK	—	—	—	
4	1010	MK	—	—	—	
5	1320	MK	—	—	—	
6	1230	MK	—	—	—	
7	1210	MK	—	—	—	
8	1145	MK	—	—	—	
9	0907	MK	—	—	—	
10		JS	No Flow			
11		JS	No Flow			
12	1210	MK	—	—	—	
13	1315	MK	—	—	—	
14	1310	MK	—	—	—	
15	1155	MK	—	—	—	
16	1045	MK	—	—	—	
17	0915	MK	—	—	—	
18	1010	MK	—	—	—	
19	1400	MK	—	—	—	
20	1240	MK	—	—	—	
21	1100	MK	—	—	—	
22	1145	MK	—	—	—	
23	1210	MK	—	—	—	
24	1050	MK	—	—	—	
25	1055	MK	—		—	
26	14:20	MK	—	—	—	
27	1315	MK	—	—	—	
28	1300	MK	—	—	—	
29	1140	MK	—	—	—	
30	1130	MK	—	—	—	
31	0859	TD	—	—	—	

American Energy Corporation
Century Mine
OUTFALL: 015

MONTH OF: July 2010 D-0425

DAY	TIME	INITIALS	FLOW (~~MGD~~)	pH	SAMPLE TAKEN Y/N	COMMENTS
1	1030	MK	5,400	7.96	N	
2	1000	MK	5,400	8.32	Y	(Biwkly)
3	0805	MK	5,400	8.22	N	
4	0810	MK	2,880	8.16	N	
5	1052	MK	4,320	8.55	N	
6	0940	MK	2,700	8.23	N	
7	1130	MK	4,320	8.12	N	
8	1135	MK	3,600	8.13	N	
9	0830	MK	2,700	8.30	N	
10	0939	JS	7200	6.98	N	
11	0810	JS	4320	7.35	N	
12	1130	MK	28,800	7.61	N	
13	0950	MK	2,700	7.72	N	
14	1230	MK	5,400	7.92	N	
15	1000	MK	5,400	8.08	Y	(Biwkly)
16	0935	MK	3,600	8.06	N	
17	0758	MK	5,760	7.04	N	
18	0845	MK	1440	7.66	N	
19	1125	MK	28,800	6.99	N	RAIN
20	0950	MK	5,400	7.33	N	
21	0715	MK	1350	7.66	N	
22	0950	MK	1,540	7.88	N	
23	1040	MK	1,350	7.98	N	
24	1020	MK	1,350	8.11	N	
25	1030	MK	1,250	8.21	N	
26	1300	MK	2,160	6.92	N	RAIN (.61)
27	10:10	MK	1,250	7.32	N	
28	12:15	MK	1,115	7.93	N	
29	1115	MK	3,600	7.25	N	
30	1050	MK	1,800	7.91	N	
31	0841	TD	1,600	8.06	N	

American Energy Corporation
Century Mine
OUTFALL: 002

MONTH OF: July 2010 D-0425

DAY	TIME	INITIALS	FLOW (MGD)	pH	SAMPLE TAKEN Y/N	COMMENTS
1	1205	MK	28800	8.03	N	
2	1200	MK	38,700	7.93	Y	(Biwkly)
3	1015	MK	21,250	7.90	N	
4	1025	MK	24,500	7.87	N	
5	1410	MK	21,250	7.89	N	
6	1300	MK	43,200	7.94	N	
7	1240	MK	42,250	7.96	N	
8	1215	MK	41,800	8.08	N	
9	1015	MK	41,800	7.95	N	
10	0830	JS	52,340	7.88	N	
11	0839	JS	39,360	7.81	N	
12	1341	MK	41,800	7.90	N	
13	1340	MK	48,200	8.10	N	
14	1350	MK	43,200	7.82	N	
15	1215	MK	44,500	8.16	Y	(Biwkly)
16	1100	MK	38,250	8.11	N	
17	0928	MK	43,200	8.09	N	
18	1028	MK	41,500	8.10	N	
19	1420	MK	28,500	8.11	N	
20	1330	MK	57,600	8.10	N	
21	1030	MK	57,600	8.18	N	
22	1150	MK	28,800	8.16	N	
23	1240	MK	28,800	8.14	N	
24	1110	MK	29,500	8.19	N	
25	1115	MK	22,700	8.22	N	
26	1400	MK	11800	7.59	N	
27	1355	MK	28,000	7.55	N	
28	1335	MK	5,400	7.98	N	
29	1055	MK	3,600	7.80	N	
30	12:00	MK	18,200	7.82	N	
31	0910	TD	18,200	7.70	N	

American Energy Corporation
Century Mine
OUTFALL: 008

MONTH OF: July 2010 D-0425

DAY	TIME	INITIALS	FLOW (~~MGD~~)	pH	SAMPLE TAKEN Y/N	COMMENTS
1	~~1105~~ 1115	MK	105,000	8.31	Y	(Biwkly)
2	1105	MK	103,500	8.29	N	
3	0840	MK	101,500	8.24	N	
4	0852	MK	101,500	8.28	N	
5	1141	MK	95,250	8.26	N	
6	1120	MK	86,400	7.86	N	
7	0950	MK	85,750	7.78	N	
8	1030	MK	87,500	7.78	N	
9	0944	MK	85,750	8.01	N	
10	0910	JS	84750	7.03	N	20 SA
11	0825	JS	84750	6.81	N	20 SA
12	1230	MK	85,750	7.22	N	
13	1120	MK	86,750	7.57	N	
14	1120	MK	91,600	8.11	N	
15	1040	MK	89,600	7.87	Y	(Biwkly)
16	0955	MK	88,500	8.08	N	
17	0825	MK	91,600	7.87	N	
18	0902	MK	89,600	7.74	N	
19	1215	MK	98,700	7.40	N	
20	1115	MK	98,000	7.46	N	
21	0855	MK	84,000	7.50	N	
22	1110	MK	81,700	7.78	N	
23	1155	MK	81,500	7.63	N	
24	0945	MK	80,750	7.69	N	
25	0930	MK	80,200	7.91	N	
26	1140	MK	100,500	7.16	N	.61 Rain Gauge
27	1145	MK	97,700	7.33	N	
28	0950	MK	89,000	7.32	N	
29	1000	MK	89,700	7.44	N	
30	0900	MK	84,500	7.50	N	
31	0956	MK	84,140	7.44	N	

American Energy Corporation
Century Mine
OUTFALL: 011

MONTH OF: July 2010 D-0425

DAY	TIME	INITIALS	FLOW (~~MGD~~)	pH	SAMPLE TAKEN Y/N	COMMENTS
1	1140	MK	61,500	7.86	Y	(Biwkly)
2	1140	MK	62,000	7.78	N	
3	0920	MK	55,000	7.93	N	
4	0925	MK	54,000	7.84	N	
5	1247	MK	54,000	7.90	N	
6	1200	MK	54,500	7.89	N	
7	1320	MK	53,800	7.75	N	
8	0955	MK	52,000	7.82	N	
9	0849	MK	52,000	7.87	N	
10	0835	TS	54,000	7.58	N	
11	0830	TS	53,280	7.75	N	
12	1145	MK	55,000	7.80	N	
13	1225	MK	61,250	7.85	N	
14	1030	MK	72,000	7.83	N	
15	1115	MK	68,750	7.64	Y	(Biwkly)
16	1030	MK	65,250	7.69	N	
17	0859	MK	68750	7.58	N	
18	0950	MK	68,750	7.63	N	
19	1340	MK	68,000	7.59	N	
20	1205	MK	68,550	7.59	N	
21	0954	MK	62,750	7.55	N	
22	1130	MK	57,250	7.49	N	
23	1140	MK	55,500	7.61	N	
24	1000	MK	53,500	7.65	N	
25	0945	MK	51,750	7.68	N	
26	1325	MK	68,000	7.51	N	
27	1050	MK	65,500	7.50	N	
28	1040	MK	62,750	7.54	N	
29	1020	MK	59,500	7.47	N	
30	1010	MK	56,000	7.53	N	
31	0924	TD	55,200	7.31	N	

AMERICAN ENERGY CORPORATION
CENTURY MINE
OUTFALL 017

MONTH OF JULY 2010 *(Page 1 of 2)*

Day	Time	Initials	Water Meter Reading DAILY TOTAL	Flow (MGD)	Sample Pulled (Y or N)	pH	Color	Odor	Turbidity	Dissolved Oxygen	Chlorine	Comments
1	1300	BD		<.001	Y	7.69	0	0	0	6.8 mg/L	0	Temp 23.4 c
2				<.001			0	0	0			
3				SAT								
4				SUN								
5				Holiday								
6				.002			0	0	0			
7				.002			0	0	0			
8	0850	BD		<.001	Y		0	0	0			Pulled Fecal
9				.009			0	0	0			Temp 23°c
10				SAT								
11				SUN								
12	1200	BD		.004	Y		0	0	0			Sampled for NH3
13				.004			0	0	0			
14	1055	DR		.004			0	0	0			NH3 Sample
15				<.001			0	0	0			Temp 23°

Reported Value	Severity Description	Color	Odor	Turbidity
0	NONE	COLORLESS	NONE	CLEAR
1	MILD			
2	MODERATE	GREY	MUSTY	LIGHT SOLIDS
3	SERIOUS			
4	EXTREME	BLACK	SEPTIC	HEAVY SOLIDS

AEC 12898

AMERICAN ENERGY CORPORATION
CENTURY MINE
OUTFALL 017

MONTH OF JULY 2010 *(Page 2 of 2)*

Day	Time	Initials	Water Meter Readig DAILY TOTAL	Flow (MGD)	Sample Pulled (Y or N)	pH	Color	Odor	Turbidity	Dissolved Oxygen	Chlorine	Comments
16				.001			0	0	0			
17				SAT								
18				SUN								
19				<.001			0	0	0			
20				.001			0	0	0			
21	1030	BD		.008	Y	7.78	0	0	0	8.8 mg/L	0	Temp 25°C
22				.009			0	0	0			
23				.002			0	0	0			
24				SAT								
25				SUN								
26				.005			0	0	0			
27				.001			0	0	0			TEMP 26°C
28				<.001			0	0	0			
29				.009			0	0	0			
30				<.001			0	0	0			
31				SAT								

Reported Value	Severity Description	Color	Odor	Turbidity
0	NONE	COLORLESS	NONE	CLEAR
1	MILD			
2	MODERATE	GREY	MUSTY	LIGHT SOLIDS
3	SERIOUS			
4	EXTREME	BLACK	SEPTIC	HEAVY SOLIDS

AEC 12899