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

30-Mar-10

By: William Dmp
TraDet Laboratories

Company:	American Energy Corporation	Sampled By:	Client
Plant:	Century Mine	Date & Time Sampled:	03-11-10 1200
Source:	D-1159 Pond 001	Date & Time Received:	03-12-10 0800
Analysis Number:	1003475		

PARAMETER	CONCENTRATION		QUALIFIER	DATE & TIME ANALYZED	ANALYST	METHOD	PQL	MDL	
Flow	5000	GPD		03-11-10 1200	Client				
Temperature, Field	16.1	°C		03-11-10 1200	Client				
pH, Field	6.93	S.U.		03-11-10 1200	Client				
pH, Lab	7.77	S.U.	H	03-15-10 1120	LW	4500HB [2]			
Specific Conductance	1470	µmhos/cm		03-15-10 1100	LW	120.1 [3]	7.00	2.31	µmhos/cm
Total Dissolved Solids	1070	mg/L		03-13-10 1600	MM	2540C [2]	46.7	15.6	mg/L
Total Suspended Solids	ND	mg/L		03-13-10 1600	MM	2540D [2]	17	5.7	mg/L
Iron	0.42	mg/L		03-24-10 1401	BS	3111B [1]	0.1	0.03	mg/L
Manganese	0.614	mg/L		03-24-10 1401	BS	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
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PQL – Practical Quantitation Limit

J – Analyte detected below quantitation limits
B – Analyte detecte in associated Method Blank
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H – Holding times for preparation or analysis exceeded
S – Spike recovery exceeds laboratory control limits

[1] – Standard Methods, 18th Edition
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[4] – ASTM
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American Energy Corporation
Century Mine
43521 Mayhugh Hill Road Twp. Hwy. 88
Beallsville, OH 43716
Attn: Mr. Fred Blumling

30-Mar-10

By: William Thompson
TraDet Laboratories

Company:	American Energy Corporation	Sampled By:	Client
Plant:	Century Mine	Date & Time Sampled:	03-11-10 1245
Source:	D-1159 Pond 002	Date & Time Received:	03-12-10 0800
Analysis Number:	1003476		

PARAMETER	CONCENTRATION		QUALIFIER	DATE & TIME ANALYZED	ANALYST	METHOD	PQL	MDL	
Flow	1500	GPD		03-11-10 1245	Client				
Temperature, Field	8.9	°C		03-11-10 1245	Client				
pH, Field	7.44	S.U.		03-11-10 1245	Client				
pH, Lab	7.50	S.U.	H	03-15-10 1120	LW	4500HB [2]			
Specific Conductance	341	µmhos/cm		03-15-10 1100	LW	120.1 [3]	7.00	2.31	µmhos/cm
Total Dissolved Solids	230	mg/L		03-13-10 1600	MM	2540C [2]	93.4	31.2	mg/L
Total Suspended Solids	ND	mg/L		03-13-10 1600	MM	2540D [2]	34	11.4	mg/L
Iron	0.33	mg/L		03-24-10 1401	BS	3111B [1]	0.1	0.03	mg/L
Manganese	0.165	mg/L		03-24-10 1401	BS	3111B [1]	0.02	0.006	mg/L

cc: Stan Piasecki, Coal Services Group, Inc.

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LABORATORY ANALYSES

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

09-Mar-10

By: William Simpson
TraDet Laboratories

Company:	American Energy Corporation	Sampled By:	Client (MK)
Plant:	Century Mine	Date & Time Sampled:	03-01-10 1205
Source:	D-0425 Pond 002	Date & Time Received:	03-02-10 1102
Analysis Number:	1003053		

PARAMETER	CONCENTRATION		QUALIFIER	DATE & TIME ANALYZED	ANALYST	METHOD	PQL	MDL	
Flow	900	GPD		03-01-10 1205	Client (MK)				
Temperature, Field	5.6	°C		03-01-10 1205	Client (MK)				
pH, Field	7.31	S.U.		03-01-10 1205	Client (MK)				
pH, Lab	7.68	S.U.	H	03-03-10 1310	LW	4500HB [2]			
Total Suspended Solids	ND	mg/L		03-03-10 1430	TW	2540D [2]	17	5.7	mg/L
Total Dissolved Solids	3181	mg/L		03-03-10 1430	TW	2540C [2]	0.35	0.12	mg/L
Iron	0.23	mg/L		03-05-10 1405	TW	3111B [1]	0.1	0.03	mg/L
Manganese	0.04	mg/L		03-05-10 1405	TW	3111B [1]	0.02	0.006	mg/L

cc: Stan Piasecki, Coal Services Group, Inc.

MCL – Maximum Contaminant Level
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PQL – Practical Quantitation Limit
B – Analyte detected in associated Method Blank

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D - Duplicate not within control limits
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American Energy Corporation
Century Mine
43521 Mayhugh Hill Road Twp. Hwy. 88
Beallsville, OH 43716
Attn: Mr. Fred Blumling

30-Mar-10

By: William Dryer
TraDet Laboratories

Company:	American Energy Corporation	Sampled By:	CSG (TD)
Plant:	Century Mine	Date & Time Sampled:	03-18-10 1240
Source:	D-0425 Pond 002	Date & Time Received:	03-19-10 0810
Analysis Number:	1003751		

PARAMETER	CONCENTRATION		QUALIFIER	DATE & TIME ANALYZED	ANALYST	METHOD	PQL	MDL	
Flow	14400	GPD		03-18-10 1240	CSG (TD)				
Temperature, Field	14.7	°C		03-18-10 1240	CSG (TD)				
pH, Field	8.18	S.U.		03-18-10 1240	CSG (TD)				
pH, Lab	8.02	S.U.	H	03-22-10 1422	KW	4500HB [2]			
Total Suspended Solids	10	mg/L	J	03-19-10 1705	MM/TW	2540D [2]	17	5.7	mg/L
Total Dissolved Solids	4260	mg/L		03-19-10 1705	MM/TW	2540C [2]	46.7	15.6	mg/L
Iron	0.21	mg/L		03-26-10 1438	BS	3111B [1]	0.1	0.03	mg/L
Manganese	0.018	mg/L	J	03-26-10 1438	BS	3111B [1]	0.02	0.006	mg/L
Mercury (Low Level)	1.59	ng/L		03-26-10 0825	MercuryOne	1631E [3]	0.5	0.2	mg/L

cc: Stan Piasecki, Coal Services Group, Inc.

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PQL – Practical Quantitation Limit
B – Analyte detected in associated Method Blank

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LABORATORY ANALYSES

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

11-Mar-10

By: William Simon
TraDet Laboratories

Company:	American Energy Corporation	Sampled By:	Client (TD)
Plant:	Century Mine	Date & Time Sampled:	03-04-10 1310
Source:	D-0425 Pond 008	Date & Time Received:	03-05-10 0830
Analysis Number:	1003155		

PARAMETER	CONCENTRATION		QUALIFIER	DATE & TIME ANALYZED	ANALYST	METHOD	PQL	MDL	
Flow	128,000	GPD		03-04-10 1310	Client (TD)				
Temperature, Field	7.3	°C		03-04-10 1310	Client (TD)				
pH, Field	8.55	S.U.		03-04-10 1310	Client (TD)				
pH, Lab	8.21	S.U.	H	03-08-10 1100	LW	4500HB [2]			
Specific Conductance	8950	µmhos/cm		03-08-10 1115	LW	120.1 [3]	7.00	2.31	µmhos/cm
Total Dissolved Solids	7205	mg/L		03-06-10 1315	TW	2540C [2]	46.7	15.6	mg/L
Total Suspended Solids	31	mg/L		03-06-10 1315	TW	2540D [2]	17	5.7	mg/L
Iron	0.27	mg/L		03-09-10 1633	BS	3111B [1]	0.1	0.03	mg/L
Manganese	0.662	mg/L		03-09-10 1633	BS	3111B [1]	0.02	0.006	mg/L

cc: Stan Piasecki, Coal Services Group, Inc.

MCL – Maximum Contaminant Level
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PQL – Practical Quantitation Limit

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

30-Mar-10

By: William Dragon
TraDet Laboratories

Company:	American Energy Corporation	Sampled By:	CSG (TD)
Plant:	Century Mine	Date & Time Sampled:	03-18-10 1525
Source:	D-0425 Pond 008	Date & Time Received:	03-19-10 0810
Analysis Number:	1003753		

PARAMETER	CONCENTRATION		QUALIFIER	DATE & TIME ANALYZED	ANALYST	METHOD	PQL	MDL	
Flow	150,000	GPD		03-18-10 1525	CSG (TD)				
Temperature, Field	16.1	°C		03-18-10 1525	CSG (TD)				
pH, Field	8.60	S.U.		03-18-10 1525	CSG (TD)				
pH, Lab	8.26	S.U.	H	03-22-10 1422	KW	4500HB [2]			
Specific Conductance	9640	µmhos/cm		03-22-10 1030	LW/KW	120.1 [3]	7.00	2.31	µmhos/cm
Total Dissolved Solids	7370	mg/L		03-19-10 1705	MM/TW	2540C [2]	46.7	15.6	mg/L
Total Suspended Solids	28	mg/L		03-19-10 1705	MM/TW	2540D [2]	17	5.7	mg/L
Iron	0.09	mg/L	J	03-26-10 1438	BS	3111B [1]	0.1	0.03	mg/L
Manganese	0.127	mg/L		03-26-10 1438	BS	3111B [1]	0.02	0.006	mg/L
Mercury (Low Level)	0.97	ng/L		03-26-10 0904	MercuryOne	1631E [3]	0.5	0.2	mg/L

cc: Stan Piasecki, Coal Services Group, Inc.

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

09-Mar-10

By: William Thayer
TraDet Laboratories

Company:	American Energy Corporation	Sampled By:	Client (MK)
Plant:	Century Mine	Date & Time Sampled:	03-01-10 1305
Source:	D-0425 Pond 011	Date & Time Received:	03-02-10 1102
Analysis Number:	1003054		

PARAMETER	CONCENTRATION		QUALIFIER	DATE & TIME ANALYZED	ANALYST	METHOD	PQL	MDL	
Flow	45,000	GPD		03-01-10 1305	Client (MK)				
Temperature, Field	3.6	°C		03-01-10 1305	Client (MK)				
pH, Field	7.32	S.U.		03-01-10 1305	Client (MK)				
pH, Lab	7.86	S.U.	H	03-03-10 1310	LW	4500HB [2]			
Total Suspended Solids	ND	mg/L		03-03-10 1430	TW	2540D [2]	17	5.7	mg/L
Total Dissolved Solids	1688	mg/L		03-03-10 1430	TW	2540C [2]	0.35	0.12	mg/L
Iron	0.33	mg/L		03-05-10 1405	TW	2540C [2]	0.1	0.02	mg/L
Manganese	0.25	mg/L		03-05-10 1405	TW	2540D [2]	0.02	0.004	mg/L

cc: Stan Piasecki, Coal Services Group, Inc.

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

30-Mar-10

By: William Simpson
TraDet Laboratories

Company:	American Energy Corporation	Sampled By:	CSG (TD)
Plant:	Century Mine	Date & Time Sampled:	03-18-10 1430
Source:	D-0425 Pond 011	Date & Time Received:	03-19-10 0810
Analysis Number:	1003752		

PARAMETER	CONCENTRATION		QUALIFIER	DATE & TIME ANALYZED	ANALYST	METHOD	PQL	MDL	
Flow	42,500	GPD		03-18-10 1430	CSG (TD)				
Temperature, Field	15.7	°C		03-18-10 1430	CSG (TD)				
pH, Field	7.52	S.U.		03-18-10 1430	CSG (TD)				
pH, Lab	8.18	S.U.	H	03-22-10 1422	KW	4500HB [2]			
Total Suspended Solids	23	mg/L		03-19-10 1705	MM/TW	2540D [2]	17	5.7	mg/L
Total Dissolved Solids	1850	mg/L		03-19-10 1705	MM/TW	2540C [2]	46.7	15.6	mg/L
Iron	0.33	mg/L		03-26-10 1438	BS	2540C [2]	0.1	0.03	mg/L
Manganese	0.319	mg/L		03-26-10 1438	BS	2540D [2]	0.02	0.006	mg/L
Mercury (Low Level)	1.00	ng/L		03-26-10 0847	MercuryOne	1631E [3]	0.5	0.2	mg/L

cc: *Stan Piasecki, Coal Services Group, Inc.*

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LABORATORY ANALYSES

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

01-Apr-10

By: _____
TraDet Laboratories

Company:	American Energy Corporation	Sampled By:	Coal Services Group
Plant:	Century Mine	Date & Time Sampled:	03-12-10 1230
Source:	D-0425 Pond 013	Date & Time Received:	03-13-10 1140
Analysis Number:	1003588		

PARAMETER	CONCENTRATION		QUALIFIER	DATE & TIME ANALYZED	ANALYST	METHOD	PQL	MDL	
Flow	7200	GPD		03-12-10 1230	CSG				
Temperature, Field	9.4	°C		03-12-10 1230	CSG				
pH, Field	8.18	S.U.		03-12-10 1230	CSG				
pH, Lab	7.38	S.U.	H	03-15-10 1120	LW	4500HB [2]			
Specific Conductance	436	µmhos/cm		03-15-10 1100	LW	120.1 [3]	7.00	2.31	µmhos/cm
Total Dissolved Solids	235	mg/L		03-14-10 1700	MM	2540C [2]	93.4	31.2	mg/L
Total Suspended Solids	ND	mg/L		03-14-10 1700	MM	2540D [2]	34	11.4	mg/L
Iron	0.55	mg/L		03-31-10 1351	BS	3111B [1]	0.1	0.03	mg/L
Manganese	0.326	mg/L		03-31-10 1351	BS	3111B [1]	0.02	0.006	mg/L

cc: Stan Piasecki, Coal Services Group, Inc.

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LABORATORY ANALYSES

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

07-Apr-10

By: William Thompson
TraDet Laboratories

Company:	American Energy Corporation	Sampled By:	CSG (TD)
Plant:	Century Mine	Date & Time Sampled:	03-24-10 1400
Source:	D-0425 Pond 013	Date & Time Received:	03-25-10 0810
Analysis Number:	1003946		

PARAMETER	CONCENTRATION		QUALIFIER	DATE & TIME ANALYZED	ANALYST	METHOD	PQL	MDL	
Flow	5760	GPD		03-24-10 1400	CSG (TD)				
Temperature, Field	15.5	°C		03-24-10 1400	CSG (TD)				
pH, Field	7.91	S.U.		03-24-10 1400	CSG (TD)				
pH, Lab	7.98	S.U.	H	03-25-10 1330	LW	4500HB [2]			
Specific Conductance	2180	µmhos/cm		03-25-10 1100	LW	120.1 [3]	7.00	2.31	µmhos/cm
Total Dissolved Solids	1610	mg/L		03-27-10 1300	MM	2540C [2]	46.7	15.6	mg/L
Total Suspended Solids	10	mg/L	J	03-27-10 1300	MM	2540D [2]	17	5.7	mg/L
Iron	0.42	mg/L		04-05-10 1641	BS	3111B [1]	0.1	0.03	mg/L
Manganese	0.239	mg/L		04-05-10 1641	BS	3111B [1]	0.02	0.006	mg/L

cc: Stan Piasecki, Coal Services Group, Inc.

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LABORATORY ANALYSES

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

22-Mar-10

By: William Simpson
TraDet Laboratories

Company:	American Energy Corporation	Sampled By:	CSG (MK)
Plant:	Century Mine	Date & Time Sampled:	03-14-10 1110
Source:	D-0425 Pond 015	Date & Time Received:	03-15-10 0832
Analysis Number:	1003590		

PARAMETER	CONCENTRATION		QUALIFIER	DATE & TIME ANALYZED	ANALYST	METHOD	PQL	MDL	
Flow	17280	GPD		03-14-10 1110	CSG (MK)				
Temperature, Field	11.7	°C		03-14-10 1110	CSG (MK)				
pH, Field	8.34	S.U.		03-14-10 1110	CSG (MK)				
pH, Lab	8.31	S.U.	H	03-15-10 1120	WB	4500HB [2]			
Specific Conductance	8840	µmhos/cm		03-15-10 1100	LW	120.1 [3]	7.00	2.31	µmhos/cm
Total Dissolved Solids	7070	mg/L		03-17-10 1500	TW	2540C [2]	46.7	15.6	mg/L
Total Suspended Solids	19	mg/L		03-17-10 1500	TW	2540D [2]	17	5.7	mg/L
Iron	3.1	mg/L		03-17-10 1409	BS	3111B [1]	0.1	0.03	mg/L
Manganese	0.956	mg/L		03-17-10 1409	BS	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

J – Analyte detected below quantitation limits
B – Analyte detecte in associated Method Blank
E – Estimated Value above quantitation limits
H – Holding times for preparation or analysis exceeded
S – Spike recovery exceeds laboratory control limits

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[5] – EPA SW846

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LABORATORY ANALYSES

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

30-Mar-10

By: William Dunn
TraDet Laboratories

Company:	American Energy Corporation	Sampled By:	CSG (TD)
Plant:	Century Mine	Date & Time Sampled:	03-18-10 1325
Source:	D-0425 Pond 015	Date & Time Received:	03-19-10 0810
Analysis Number:	1003754		

PARAMETER	CONCENTRATION		QUALIFIER	DATE & TIME ANALYZED	ANALYST	METHOD	PQL	MDL	
Flow	14,400	GPD		03-18-10 1325	CSG (TD)				
Temperature, Field	16.7	°C		03-18-10 1325	CSG (TD)				
pH, Field	8.69	S.U.		03-18-10 1325	CSG (TD)				
pH, Lab	8.46	S.U.	H	03-22-10 1422	KW	4500HB [2]			
Specific Conductance	11900	µmhos/cm		03-22-10 1030	LW/KW	120.1 [3]	7.00	2.31	µmhos/cm
Total Dissolved Solids	8480	mg/L		03-19-10 1705	TW	2540C [2]	93.4	31.2	mg/L
Total Suspended Solids	27	mg/L		03-25-10 0930	MM	2540D [2]	17	5.7	mg/L
Iron	1.6	mg/L		03-26-10 1438	BS	3111B [1]	0.1	0.03	mg/L
Manganese	1.44	mg/L		03-26-10 1438	BS	3111B [1]	0.02	0.006	mg/L
Mercury (Low Level)	2.59	ng/L		03-26-10 0927	MercuryOne	1631E [3]	0.5	0.2	mg/L

cc: Stan Piasecki, Coal Services Group, Inc.

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LABORATORY ANALYSES

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

07-Apr-10

By: William Thompson
TraDet Laboratories

Company:	American Energy Corporation	Sampled By:	CSG (TD)
Plant:	Century Mine	Date & Time Sampled:	03-25-10 1420
Source:	D-0425 Pond 015	Date & Time Received:	03-25-10 1550
Analysis Number:	1003996		

PARAMETER	CONCENTRATION		QUALIFIER	DATE & TIME ANALYZED	ANALYST	METHOD	PQL	MDL	
Flow	14400	GPD		03-25-10 1420	CSG (TD)				
Temperature, Field	15.6	°C		03-25-10 1420	CSG (TD)				
pH, Field	8.90	S.U.		03-25-10 1420	CSG (TD)				
pH, Lab	8.73	S.U.	H	03-30-10 1150	LW	4500HB [2]			
Specific Conductance	11,400	µmhos/cm		03-30-10 1100	LW	120.1 [3]	7.00	2.31	µmhos/cm
Total Dissolved Solids	8060	mg/L		03-27-10 1300	MM	2540C [2]	93.4	31.2	mg/L
Total Suspended Solids	44	mg/L		03-27-10 1300	MM	2540D [2]	34	11.4	mg/L
Iron	0.81	mg/L		04-05-10 1641	BS	3111B [1]	0.1	0.03	mg/L
Manganese	0.502	mg/L		04-05-10 1641	BS	3111B [1]	0.02	0.006	mg/L

cc: Stan Piasecki, Coal Services Group, Inc.

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PQL – Practical Quantitation Limit

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LABORATORY ANALYSES

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

30-Mar-10

By: William Dropp
TraDet Laboratories

Company:	American Energy Corporation	Sampled By:	CSG (TD)
Plant:	Century Mine	Date & Time Sampled:	03-18-10 1406
Source:	Field Blank	Date & Time Received:	03-19-10 0810
Analysis Number:	1003755		

PARAMETER	CONCENTRATION		QUALIFIER	DATE & TIME ANALYZED	ANALYST	METHOD	PQL	MDL	
Mercury (Low Level)	<0.5	ng/L		03-26-10 0940	MercuryOne	1631E [3]	0.5	0.2	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

J – Analyte detected below quantitation limits
B – Analyte detects in associated Method Blank
E – Estimated Value above quantitation limits
H – Holding times for preparation or analysis exceeded
S – Spike recovery exceeds laboratory control limits

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LABORATORY ANALYSES

CHGD MAR 31 2010

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

15-Mar-10

By: William Dungan
TraDet Laboratories

Company:	American Energy Corporation	Sampled By:	QES (WD)
Plant:	017 STP	Date & Time Sampled:	03-08-10 0945
Source:	Effluent	Date & Time Received:	03-09-10 0920
Analysis Number:	1003260		

PARAMETER	CONCENTRATION		QUALIFIER	DATE & TIME ANALYZED	ANALYST	METHOD	PQL	MDL	
Temperature	8.3	°C		03-08-10 0945	QES (WD)				
Dissolved Oxygen, Field	10.4	mg/L		03-08-10 0945	QES (WD)				
pH, Field	7.45	S.U.		03-08-10 0945	QES (WD)				
Total Suspended Solids	ND	mg/L		03-11-10 1815	MM	2540D [2]	17	5.7	mg/L
Ammonia Nitrogen (as N)	0.17	mg/L	J	03-11-10 1345	WB	4500NH$_3$C [1]	0.35	0.07	mg/L
CBOD - 5 day	ND	mg/L		03-10-10 0945	MM	5210B [2]	3.6	1.2	mg/L

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
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Q - Quality Control standard exceeds control limits
S – Spike recovery exceeds laboratory control limits

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LABORATORY ANALYSES

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

08-Apr-10

By:_____
TraDet Laboratories

Company:	American Energy Corporation	Sampled By:	QES (WD)
Plant:	017 STP	Date & Time Sampled:	03-24-10 1115
Source:	Effluent	Date & Time Received:	03-25-10 0810
Analysis Number:	1003943		

PARAMETER	CONCENTRATION		QUALIFIER	DATE & TIME ANALYZED	ANALYST	METHOD	PQL	MDL	
Temperature	14	°C		03-24-10 1115	QES (WD)				
Dissolved Oxygen, Field	10	mg/L		03-24-10 1115	QES (WD)				
pH, Field	7.3	S.U.		03-24-10 1115	QES (WD)				
Total Suspended Solids	ND	mg/L		03-26-10 1250	MM	2540D [2]	17	5.7	mg/L
Ammonia Nitrogen (as N)	0.33	mg/L	J	03-26-10 1600	WB	4500NH$_3$C [1]	0.35	0.07	mg/L
CBOD - 5 day	ND	mg/L		03-25-10 1520	LW/MM	5210B [2]	3.6	1.2	mg/L

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LABORATORY ANALYSES

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

12-Apr-10

By: William Dragan
TraDet Laboratories

Company:	American Energy Corporation	Sampled By:	QES (WD)
Plant:	017 STP	Date & Time Sampled:	03-24-10 1115
Source:	Effluent	Date & Time Received:	03-25-10 0810
Analysis Number:	1003943		

PARAMETER	CONCENTRATION		QUALIFIER	DATE & TIME ANALYZED	ANALYST	METHOD	PQL	MDL	
Temperature	14	°C		03-24-10 1115	QES (WD)				
Dissolved Oxygen, Field	10	mg/L		03-24-10 1115	QES (WD)				
pH, Field	7.3	S.U.		03-24-10 1115	QES (WD)				
Total Suspended Solids	ND	mg/L		03-26-10 1250	MM	2540D [2]	17	5.7	mg/L
Ammonia Nitrogen (as N)	0.33	mg/L	J	03-26-10 1600	WB	4500NH$_3$C [1]	0.35	0.07	mg/L
CBOD - 5 day	ND	mg/L		03-25-10 1520	LW/MM	5210B [2]	3.6	1.2	mg/L

cc: Stan Piasecki, Coal Services Group, Inc.

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American Energy Corporation
Century Mine
OUTFALL: 013

MONTH OF: MARCH 2010 D-0425

DAY	TIME	INITIALS	FLOW (~~MGD~~)	pH	SAMPLE TAKEN Y/N	COMMENTS
1	1500	TD	No Flow	—	N	
2	1045	TD	No Flow	—	N	
3	1210	TD	No Flow	—	N	
4	1335	TD.	No Flow	—	N	
5	1230	TD	No Flow	—	N	
6	1210	TD	No Flow	—	N	
7	0840	TD.	No Flow	—	N	
8	1530	TD	No Flow		N	
9	1125	TD	No Flow	—	N	
10	1410	TD	No Flow	—	N	
11	1110	TD	5000	6.30	N	
12	1230	TD	7200	8.18	Y	
13	9:25	MK	7,500	7.45	N	Heavy Rain
14	9:40	MK	3,200	7.01	N	
15	1215	TD	10,800	6.75	N	
16	1200	TD	4320	6.78	N	
17	0950	TD	1543	6.75	N	
18	1100	TD	1543	6.68	N	
19	1205	TD	1440	6.57	N	
20	1205	TD.	1440	6.57	N	
21	1435	TD	6750	6.35		
22	1435	TD	6750	6.35	N	
23	1245	TD	10800	6.65	N	
24	1400	TD	5760	7.91	Y	
25	1105	TD	4320	7.01	N	
26	1305	TD	10800	6.71	N	
27	1305	[illegible]	10800	6.71	N	
28	1100	TD	4500	6.71		
29	1100	TD	No Flow	—	N	
30	1320	TD	No Flow	—	N	
31	1215	TD.	No Flow	—	N	

American Energy Corporation
Century Mine
OUTFALL: 014

MONTH OF: MARCH 2010 D-0425

DAY	TIME	INITIALS	FLOW (MGD)	pH	SAMPLE TAKEN Y/N	COMMENTS
1	1520	TD.	No Flow	—	N	
2	1000	TD.	No Flow	—	No	
3	1235	TD	No Flow	—	N	
4	1430	TD	No Flow	—	N	
5	1310	TD	No Flow	—	N	
6	1250	TD	No Flow	—	N	
7	0920	TD	No Flow	—	N	
8	1545	TD	No Flow	—	N	
9	1115	TD	No Flow	—	N	
10	0825	TD.	No Flow	—	N	
11	0850	TD.	No Flow	—	N	
12	1040	TD.	No Flow	—	N	
13	9:50	MK	No	—	N	
14	9:50	MK	No	—	N	
15	1235	TD	No Flow	—	N	
16	1415	TD	No Flow	—	N	
17	1110	TD	No Flow	—	N	
18	1030	TD	No Flow	—	N	
19	1300	TD	No Flow	—	N	
20	1400	TD	No Flow	—	N	
21	1310	TD	No Flow	—	N	
22		TD	No Flow	—	N	
23	1040	TD	No Flow	—	N	
24	1105	TD	No Flow	—	N	
25	0830	TD	No Flow		N	
26	1420	TD	No Flow		N	
27	1400	TD	No Flow	—	N	
28	1115	TD	No Flow	—	N	
29	1115	TD	No Flow	—	N	
30	1340	TD	No Flow	—	N	
31	1235	TD	No Flow	—	N	

American Energy Corporation
Century Mine
OUTFALL: 015

MONTH OF: March 2010 D-0425

DAY	TIME	INITIALS	FLOW (MGD)	pH	SAMPLE TAKEN Y/N	COMMENTS
1	1445	TD.	No Flow	—	N	Cleaning Pond.
2	1030	TD.	No Flow	—	N	Cleaning Pond
3	1200	TD	No Flow	—	N	Cleaning Pond.
4	1400	TD	No Flow	—	N	
5	1250	TD	No Flow	—	N	
6	1235	TD	No Flow	—	N	
7	0900	TD	No Flow	—	N	
8	1400	TD	8.74	—	N	7 bags S.A. 1/4 Tub P.P.
9	1050	TD	28800	6.81	N	
10	0815	TD	28800	9.07	N	
11	0830	TD	28800	6.89	N	
12	1030	TD.	17280	7.05	N	
13	7:45	MK	28,800	7.98	N	Heavy Rain
14	11:09	MK	17,280	8.34	Yes	
15	1000	TD.	21600	7.44	N	
16	1130	TD	17280	7.68	N	
17	0810	TD	14400	7.80	N	
18	1305	TD	14400	8.69	Yes	
19	1305	TD	14400	8.34	N	
20	1305	TD	14400	8.34	N	
21	1300	TD	43200	8.65	N	
22	1300	TD	43200	8.65	N	
23	1420	TD	43200	9.39	N	
24	1040	TD	14400	9.23	N	
25	0815	TD	14400	~~8.08~~ 8.09	Y	
26	1400	TD	21600	8.38	N	
27	0936	MK	180,000	7.69	N	
28	1049	TD	180,000	8.24	N	
29	0930	TD	14400	7.63	N	
30	1110	TD	19200	8.30	N	
31	1400	TD	14400	8.14	N	

American Energy Corporation
Century Mine
OUTFALL: 008

MONTH OF: MARCH 2010 D-0425

DAY	TIME	INITIALS	FLOW (MGD)	pH	SAMPLE TAKEN Y/N	COMMENTS
1	1430	TD	144000	7.33	NO	
2	0940	TD	128000	8.27	NO	
3	1145	TD	128,000	8.53	?	ICA
4	1310	TD.	128000	8.55	Y	
5	1210	TD.	150,000	8.54	N	
6	1150	TD.	150,000	8.14	N	
7	0825	TD	150,000	8.68	N	
8	1500	TD	150,000	8.23	N	
9	1015	TD	150,000	7.96	N	
10	1350	TD.	150,000	8.60	N	
11	1030	TD.	150,000	7.34	N	
12	1345	TD	150,000	7.45		
13	8:40	MK	250,000	7.79	N	HEAVY RAIN
14	8:30	MK	165,000	826	N	
15	1135	TD	155,000	8.50	N	
16	1300	TD	150,000	8.64	N	
17	1045	TD	150,000	8.64	N	
18	1525	TD	150,000	8.60	Yes	
19	1135	TD	150,000	8.78	N	
20	1135	TD	150,000	8.78	N	
21	1400	TD.	165,000	8.26	N	
22	1400	TD	165,000	8.96	N	
23	1150	TD	160,000	8.35	N	
24	1305	TD	155,000	8.51	N	
25	1030	TD	150,000	8.59	N	
26	1230	TD	160000	8.12	N	
27	095	MK	140,000	8.37	N	
28	1025	MK	180,000	7.69	N	
29	1035	TD	155,000	~~10.1~~ 8.15	N	
30	1210	TD	150,000	~~8.50~~ 8.50	N	
31	1150	TD	150,000	8.64	N	

American Energy Corporation
Century Mine
OUTFALL: 011

MONTH OF: MARCH 2010 D-0425

DAY	TIME	INITIALS	FLOW (MGD)	pH	SAMPLE TAKEN Y/N	COMMENTS
1	1305	TD	45,000	7.32	Yes	
2	0835	TD	45,000	7.28	No	
3	1030	TD	45,000	7.03	No	
4	1200	TD.	45,000	7.10	N	
5	1130	TD	45,000	6.93	N	
6	1030	TD.	45000	6.98	N	
7	0715	TD	45000	7.05	N	
8	1510	TD	45000	7.01	N	
9	0930	TD.	45000	6.98	N	
10	1300	TD	43200	7.04	N	
11	0930	TD	43200	7.00	N	
12	0830	TD	45,000	6.97	N	
13	9:00	MK	65,000	6.90	N	HEAVY RAIN
14	9:10	MK	52,000	7.48	N	
15	1055	TD	47,000	6.87	N	
16	1330	TD	42500	6.97	N	
17	0900	TD	42500	7.41	N	
18	1430	TD	42500	7.59	Yes	
19	1030	TD	42000	7.61	N	
20	1030	TD	42000	7.60	N	
21	1340	TD	45000	7.55	N	
22	1340	TD	45000	7.55	N	
23	1300	TD	44000	8.08	N	
24	1200	TD	44000	8.01	N	
25	0920	TD	44000	8.17	N	
26	1120	TD	47000	8.11	N	
27	1120	TD	47000	8.11	N	
28	1010	TD	42,000	7.80	N	
29	1010	TD	42000	7.80	N	
30	1230	TD	48,000	7.70	N	
31	1055	TD	48,000	7.97	N	

American Energy Corporation
Century Mine
OUTFALL: 002

MONTH OF: MARCH 2010 D-0425

DAY	TIME	INITIALS	FLOW (MGD)	pH	SAMPLE TAKEN Y/N	COMMENTS
1	1205	TD	900	7.31	Yes	
2	0815	TD	900	7.35	No	
3	1015	TD	43,200	7.57	No	
4	1140	TD	43,200	7.51		
5	1100	TD.	43200	7.83	N	
6	1010	TD	43200	7.71	N	
7	0700	TD	10,800	7.53	N	
8	1525	TD.	57600	7.68	N	pumping Today
9	0900	TD.	57600	7.73	No	
10	0845	TD	43200	7.99	N	
11	0920	TD.	17280	6.98	N	
12	0750	TD.	17280	7.28	N	
13	9:25	ML	22,200	7.15	N	
14	920	ML	17,280	7.25	N	
15	1025	TD	14400	8.17	N	
16	1045	TD	14400	8.17	N	
17	0830	TD	14400	8.17	N	
18	1240	TD	14400	8.18	Yes	
19	1015	TD	31600	8.17	N	
20	1015	TD	01600	8.17	N	
21	1300	TD	43,200	8.19	N	
22	1325	TD	43200	8.19	N	
23	1340	TD	43200	8.27	N	
24	1130	TD	43,200	8.12	N	
25	0900	TD	17280	8.23	N	
26	1100	TD	10,800	8.26	N	
27	1100	TD	10,800	8.26	N	
28	0945	TD	14400	8.18	N	
29	0944	TD	14400	8.18	N	
30	1255	TD	14400	8.08	N	
31	1030	TD	43200	8.04	N	

American Energy Corporation
Century Mine

Weekly Pond Monitoring D-1159 3/1 - 3/6

POND	DATE	FLOW	pH	COMMENTS
001	3-3-10	7000	7.5	
002	3-3-10	No Flow	—	
011	3-3-10	45,000	7.03	
018A	3-3-10	No Flow	—	

POND	DATE	FLOW	pH	COMMENTS
001	3-11-10	5000	6.93	Sampled
002	3-11-10	1500	7.44	Sampled
011	3-11-10	43200	7.00	
018A	3-11-10	No Flow	—	

POND	DATE	FLOW	pH	COMMENTS
001	3-17-10	2500	7.39	
002	3-17-10	No Flow	—	
011	3-17-10	42,500	7.41	
018A	3-17-10	No Flow	—	

POND	DATE	FLOW	pH	COMMENTS
001	3-24-10	2500	8.18	
002	3-24-10	No Flow	—	
011	3-24-10	44,000	8.01	
018A	3-24-10	No Flow	—	

AMERICAN ENERGY CORPORATION
CENTURY MINE
OUTFALL 17

MONTH OF MARCH 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				.002			0	0	0			
2				.004			0	0	0			TEMP. 11°C
3				.003			0	0	0			
4				.001			0	0	0			
5				.009			0	0	0			
6				SAT								
7				SUN								
8	0945	BD		.009	YES	7.45	0	0	0	10.4 mg/L		TEMP 8°C
9				.006			0	0	0			TEMP 8°C
10				.002			0	0	0			
11				.009			0	0	0			
12				.008			0	0	0			
13				SAT								
14				SUN								
15				.004			0	0	0			TEMP 12°C

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

AMERICAN ENERGY CORPORATION
CENTURY MINE
OUTFALL 17

MONTH OF _____ 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				.005			0	0	0			
17				<.001			0	0	0			TEMP - 10°c
18				.001			0	0	0			
19				<.001			0	0	0			
20				SAT								
21				SUN								
22				<.001			0	0	0			
23				<.001			0	0	0			
24	1115	BD		.009	YES	7.3	0	0	0	10mg/L		TEMP 14°c
25				.001			0	0	0			
26				.010			0	0	0			
27				SAT								
28				SUN								
29				.007			0	0	0			
30				.002			0	0	0			TEMP 14.2°c
31				.004			0	0	0			

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