State of Ohio Environmental Protection Agency

STREET ADDRESS:
Lazarus Government Center
122 S. Front Street
Columbus, Ohio 43215

TELE: (614) 644-3020 FAX: (614) 644-3184

MAILING ADDRESS:
P.O. Box 1049
Columbus, OH 43216-1049

October 1, 2004

Re: Ohio EPA Permit No. 0IL00091*GD
Application No. OH0059552
Facility Name:. Century Mine

American Energy Corporation
3521 Mayhugh Hill Road
Beallsville, OH 43716

Ladies and Gentlemen:

We propose to make to following minor modification to the above referenced permit.

Page	Correction
5	Change monitoring months from "Semi-Annual" to "Annual" for 00530-Total Suspended Solids for Final Outfall 0IL00091001

If you consent to this change, please sign below and incorporate the corrected page into your permit. The proposed minor modification will become effective on the date we receive this signed letter from you at the following address: Ohio Environmental Protection Agency, Division of Surface Water, Permit Administration Section, P. O. Box 1049, Columbus, Ohio 43266-0149.

Sincerely,

Patti L. Smith

Patti L. Smith, Supervisor
Permit Processing Unit
Division of Surface Water

PLS/kep

Enclosure

CERTIFIED MAIL

I consent to the minor modification.

_____ _____
Name *Title*

_____
Date

Bob Taft, Governor
Jennette Bradley, Lieutenant Governor
Christopher Jones, Director

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Ohio EPA is an Equal Opportunity Employer

Part I, A. - FINAL EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

10. During the period beginning on the effective date of this permit modification and lasting until the expiration date, the permittee is authorized to discharge in accordance with the following limitations and monitoring requirements from outfall 0IL00091011. See Part II, OTHER REQUIREMENTS, for locations of effluent sampling.

Table - Final Outfall - 011 - Final

Effluent Characteristic	Discharge Limitations							Monitoring Requirements		
	Concentration Specified Units				Loading* kg/day					
Parameter	Maximum	Minimum	Weekly	Monthly	Daily	Weekly	Monthly	Measuring Frequency	Sampling Type	Monitoring Months
00045 - Total Precipitation - Inches	-	-	-	-	-	-	-	1/Day	Total	All
00400 - pH - S.U.	9.0	6.5	-	-	-	-	-	1 / 2 Weeks	Grab	All
00530 - Total Suspended Solids - mg/l	70	-	-	35	-	-	-	1/Year	Grab	Annual-Sept
01045 - Iron, Total (Fe) - ug/l	6000	-	-	3000	-	-	-	1 / 2 Weeks	Grab	All
01055 - Manganese, Total (Mn) - ug/l	4000	-	-	2000	-	-	-	1 / 2 Weeks	Grab	All
50050 - Flow Rate - MGD	-	-	-	-	-	-	-	1/Day	Total Estimate	All

Notes for Station Number 0IL00091011:

1. ALTERNATIVE LIMITS - Discharge from the outfall designated above may, as an option, conform with effluent limitations and monitoring requirements listed in Part II, Item (K)(1)(a) and (c) instead of those listed above provided that all conditions in Part II, Item (K)(2) are met.

2. SAMPLE TYPE - Sampling shall be performed when discharging. If NO DISCHARGE OCCURS DURING THE ENTIRE MONTH, report "AL" in the first column of the first day of the month on the 4500 Form (Monthly Operating Report). A signature is still required.

3. SAMPLING FREQUENCY - "1/2 weeks" sampling frequency means that one sample shall be collected during the first fourteen days of the month and another sample shall be collected during the remainder of the month.

4. LIMITED DISCHARGE - The discharge from this outfall is NO LONGER limited to mine related pollutants. Sanitary wastewater pollutants MAY be discharged from this outfall in compliance with this permit modification.

AEC 02829

OhioEPA
State of Ohio Environmental Protection Agency

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October 1, 2004

Re: Ohio EPA Permit No. 0IL00091*GD
Application No. OH0059552
Facility Name:. Century Mine

American Energy Corporation
3521 Mayhugh Hill Road
Beallsville, OH 43716

Ladies and Gentlemen:

We propose to make to following minor modification to the above referenced permit.

Page	Correction
5	Change monitoring months from "Semi-Annual" to "Annual" for 00530-Total Suspended Solids for Final Outfall 0IL00091001

If you consent to this change, please sign below and incorporate the corrected page into your permit. The proposed minor modification will become effective on the date we receive this signed letter from you at the following address: Ohio Environmental Protection Agency, Division of Surface Water, Permit Administration Section, P. O. Box 1049, Columbus, Ohio 43266-0149.

Sincerely,

Patti L. Smith

Patti L. Smith, Supervisor
Permit Processing Unit
Division of Surface Water

PLS/kep

Enclosure

CERTIFIED MAIL

I consent to the minor modification.

_____ _____
Name *Title*

_____
Date

Bob Taft, Governor
Jennette Bradley, Lieutenant Governor
Christopher Jones, Director

Printed on Recycled Paper

Ohio EPA is an Equal Opportunity Employer

Part I, A. - FINAL EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

10. During the period beginning on the effective date of this permit modification and lasting until the expiration date, the permittee is authorized to discharge in accordance with the following limitations and monitoring requirements from outfall 0IL00091011. See Part II, OTHER REQUIREMENTS, for locations of effluent sampling.

Table - Final Outfall - 011 - Final

Effluent Characteristic	Discharge Limitations							Monitoring Requirements		
	Concentration Specified Units				Loading* kg/day					
Parameter	Maximum	Minimum	Weekly	Monthly	Daily	Weekly	Monthly	Measuring Frequency	Sampling Type	Monitoring Months
00045 - Total Precipitation - Inches	-	-	-	-	-	-	-	1/Day	Total	All
00400 - pH - S.U.	9.0	6.5	-	-	-	-	-	1 / 2 Weeks	Grab	All
00530 - Total Suspended Solids - mg/l	70	-	-	35	-	-	-	1/Year	Grab	Annual-Sept
01045 - Iron, Total (Fe) - ug/l	6000	-	-	3000	-	-	-	1 / 2 Weeks	Grab	All
01055 - Manganese, Total (Mn) - ug/l	4000	-	-	2000	-	-	-	1 / 2 Weeks	Grab	All
50050 - Flow Rate - MGD	-	-	-	-	-	-	-	1/Day	Total Estimate	All

Notes for Station Number 0IL00091011:

1. ALTERNATIVE LIMITS - Discharge from the outfall designated above may, as an option, conform with effluent limitations and monitoring requirements listed in Part II, Item (K)(1)(a) and (c) instead of those listed above provided that all conditions in Part II, Item (K)(2) are met.

2. SAMPLE TYPE - Sampling shall be performed when discharging. If NO DISCHARGE OCCURS DURING THE ENTIRE MONTH, report "AL" in the first column of the first day of the month on the 4500 Form (Monthly Operating Report). A signature is still required.

3. SAMPLING FREQUENCY - "1/2 weeks" sampling frequency means that one sample shall be collected during the first fourteen days of the month and another sample shall be collected during the remainder of the month.

4. LIMITED DISCHARGE - The discharge from this outfall is NO LONGER limited to mine related pollutants. Sanitary wastewater pollutants MAY be discharged from this outfall in compliance with this permit modification.

AEC 02831

Application No. OH0059552

Issue Date: June 21, 2002

Effective Date: August 1, 2002

Expiration Date: July 31, 2007

Ohio Environmental Protection Agency
Authorization to Discharge Under the
National Pollutant Discharge Elimination System

In compliance with the provisions of the Federal Water Pollution Control Act, as amended (33 U.S.C. 1251 et. seq., hereinafter referred to as the "Act"), and the Ohio Water Pollution Control Act (Ohio Revised Code Section 6111),

AMERICAN ENERGY CORPORATION - CENTURY MINE
(formerly Bennoc, Inc. - Allison Mine)

is authorized by the Ohio Environmental Protection Agency, hereinafter referred to as "Ohio EPA," to discharge from the mine complex located at Wayne Township Road 88, in Section 3 of Wayne Township, near Armstrongs Mills, Ohio, Belmont County and discharging to Piney and Captina Creeks in accordance with the conditions specified in Parts I, II, and III of this permit.

I have determined that a lowering of water quality in Piney Creek and Captina Creek is necessary. In accordance with OAC 3745-1-05, this decision was reached only after examining a series of technical alternatives, reviewing social and economic issues related to the degradation, and considering all public and appropriate intergovernmental comments. The lowering of water quality is necessary to accommodate important social or economic development in the area in which the water body is located.

This permit is conditioned upon payment of applicable fees as required by Section 3745.11 of the Ohio Revised Code.

This permit and the authorization to discharge shall expire at midnight on the expiration date shown above. In order to receive authorization to discharge beyond the above date of expiration, the permittee shall submit such information and forms as are required by the Ohio EPA no later than 180 days prior to the above date of expiration.

Part I, A. - FINAL EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

1. During the period beginning on 0 and lasting until 60 , the permittee is authorized to discharge in accordance with the following limitations and monitoring requirements from outfall 0IL00091 013. See Part II, OTHER REQUIREMENTS, for locations of effluent sampling.

Table - Final Outfall - 013 - Final

Effluent Characteristic	Discharge Limitations							Monitoring Requirements		
	Concentration Specified Units				Loading* kg/day					
Parameter	Maximum	Minimum	Weekly	Monthly	Daily	Weekly	Monthly	Measuring Frequency	Sampling Type	Monitoring Months
00045 - Total Precipitation - Inches	-	-	-	-	-	-	-	1/Day	Total	All
00400 - pH - S.U.	9.0	6.5	-	-	-	-	-	1 / 2 Weeks	Grab	All
00530 - Total Suspended Solids - mg/l	70	-	-	35	-	-	-	1 / 2 Weeks	Grab	All
01045 - Iron, Total (Fe) - ug/l	6000	-	-	3000	-	-	-	1 / 2 Weeks	Grab	All
01055 - Manganese, Total (Mn) - ug/l	4000	-	-	2000	-	-	-	1 / 2 Weeks	Grab	All
50050 - Flow Rate - MGD	-	-	-	-	-	-	-	1/Day	Total Estimate	All

Notes for Station Number 0IL00091 013:

1. ALTERNATIVE LIMITS - Discharge from the outfall designated above may, as an option, conform with effluent limitations and monitoring requirements listed in Part II, Items (K)(1)(b) and (c) instead of those listed above provided that all conditions in Part II, Item (K)(2) are met.

2. SAMPLE TYPE - Sampling shall be performed when discharging. If NO DISCHARGE OCCURS DURING THE ENTIRE MONTH, report "AL" in the first column of the first day of the month on the 4500 Form (Monthly Operating Report). A signature is still required.

3. SAMPLING FREQUENCY - "1/2 weeks" sampling frequency means that one sample shall be collected during the first fourteen days of the month and another sample shall be collected during the remainder of the month.

AEC 02833

Part I, A. - FINAL EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

1. During the period beginning on 0 and lasting until 60 , the permittee is authorized to discharge in accordance with the following limitations and monitoring requirements from outfall 0IL00091 012. See Part II, OTHER REQUIREMENTS, for locations of effluent sampling.

Table - Final Outfall - 012 - Final

Effluent Characteristic	Discharge Limitations							Monitoring Requirements		
	Concentration Specified Units				Loading* kg/day					
Parameter	Maximum	Minimum	Weekly	Monthly	Daily	Weekly	Monthly	Measuring Frequency	Sampling Type	Monitoring Months
00045 - Total Precipitation - Inches	-	-	-	-	-	-	-	1/Day	Total	All
00400 - pH - S.U.	9.0	6.5	-	-	-	-	-	1 / 2 Weeks	Grab	All
00530 - Total Suspended Solids - mg/l	70	-	-	35	-	-	-	1 / 2 Weeks	Grab	All
01045 - Iron, Total (Fe) - ug/l	6000	-	-	3000	-	-	-	1 / 2 Weeks	Grab	All
01055 - Manganese, Total (Mn) - ug/l	4000	-	-	2000	-	-	-	1 / 2 Weeks	Grab	All
50050 - Flow Rate - MGD	-	-	-	-	-	-	-	1/Day	Total Estimate	All

Notes for Station Number 0IL00091 012:

1. ALTERNATIVE LIMITS - Discharge from the outfall designated above may, as an option, conform with effluent limitations and monitoring requirements listed in Part II, Items (K)(1)(b) and (c) instead of those listed above provided that all conditions in Part II, Item (K)(2) are met.

2. SAMPLE TYPE - Sampling shall be performed when discharging. If NO DISCHARGE OCCURS DURING THE ENTIRE MONTH, report "AL" in the first column of the first day of the month on the 4500 Form (Monthly Operating Report). A signature is still required.

3. SAMPLING FREQUENCY - "1/2 weeks" sampling frequency means that one sample shall be collected during the first fourteen days of the month and another sample shall be collected during the remainder of the month.

AEC 02834

Part I, A. - FINAL EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

1. During the period beginning on 0 and lasting until 60 , the permittee is authorized to discharge in accordance with the following limitations and monitoring requirements from outfall 0IL00091 002. See Part II, OTHER REQUIREMENTS, for locations of effluent sampling.

Table - Final Outfall - 002 - Final

Effluent Characteristic	Discharge Limitations							Monitoring Requirements		
	Concentration Specified Units				Loading* kg/day					
Parameter	Maximum	Minimum	Weekly	Monthly	Daily	Weekly	Monthly	Measuring Frequency	Sampling Type	Monitoring Months
00045 - Total Precipitation - Inches	-	-	-	-	-	-	-	1/Day	Total	All
00400 - pH - S.U.	9.0	6.5	-	-	-	-	-	1 / 2 Weeks	Grab	All
00530 - Total Suspended Solids - mg/l	70	-	-	35	-	-	-	1 / 2 Weeks	Grab	All
01045 - Iron, Total (Fe) - ug/l	6000	-	-	4000	-	-	-	1 / 2 Weeks	Grab	All
01055 - Manganese, Total (Mn) - ug/l	4000	-	-	2000	-	-	-	1 / 2 Weeks	Grab	All
50050 - Flow Rate - MGD	-	-	-	-	-	-	-	1/Day	Total Estimate	All

Notes for Station Number 0IL00091 002:

1. NO ALTERNATIVE LIMITS - there are no alternate limits based on rainfall events for this outfall per 40 CFR 434 for discharges from underground mine workings (not commingled).

2. SAMPLE TYPE - Sampling shall be performed when discharging. If NO DISCHARGE OCCURS DURING THE ENTIRE MONTH, report "AL" in the first column of the first day of the month on the 4500 Form (Monthly Operating Report). A signature is still required.

3. SAMPLING FREQUENCY - "1/2 weeks" sampling frequency means that one sample shall be collected during the first fourteen days of the month and another sample shall be collected during the remainder of the month.

AEC 02835

Part I, A. - FINAL EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

1. During the period beginning on 0 and lasting until 60 , the permittee is authorized to discharge in accordance with the following limitations and monitoring requirements from outfall 0IL00091 014. See Part II, OTHER REQUIREMENTS, for locations of effluent sampling.

Table - Final Outfall - 014 - Final

Effluent Characteristic	Discharge Limitations							Monitoring Requirements		
	Concentration Specified Units				Loading* kg/day					
Parameter	Maximum	Minimum	Weekly	Monthly	Daily	Weekly	Monthly	Measuring Frequency	Sampling Type	Monitoring Months
00045 - Total Precipitation - Inches	-	-	-	-	-	-	-	1/Day	Total	All
00400 - pH - S.U.	9.0	6.5	-	-	-	-	-	1/Week	Grab	All
00530 - Total Suspended Solids - mg/l	70	-	-	35	-	-	-	1/Week	Grab	All
01045 - Iron, Total (Fe) - ug/l	6000	-	-	4000	-	-	-	1/Week	Grab	All
01055 - Manganese, Total (Mn) - ug/l	4000	-	-	2000	-	-	-	1/Week	Grab	All
50050 - Flow Rate - MGD	-	-	-	-	-	-	-	1/Day	Total Estimate	All

Notes for Station Number 0IL00091 014:

1. ALTERNATIVE LIMITS - Discharge from the outfall designated above may, as an option, conform with effluent limitations and monitoring requirements listed in Part II, Items (K)(1)(b) and (c) instead of those listed above provided that all conditions in Part II, Item (K)(2) are met.

2. SAMPLE TYPE - Sampling shall be performed when discharging. If NO DISCHARGE OCCURS DURING THE ENTIRE MONTH, report "AL" in the first column of the first day of the month on the 4500 Form (Monthly Operating Report). A signature is still required.

3. SAMPLING FREQUENCY - "1/2 weeks" sampling frequency means that one sample shall be collected during the first fourteen days of the month and another sample shall be collected during the remainder of the month.

AEC 02836

Part I, A. - FINAL EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

2. During the period beginning on the effective date of this permit and lasting until the expiration date, the permittee is authorized to discharge in accordance with the following limitations and monitoring requirements from outfall 0IL00091 601. See Part II, OTHER REQUIREMENTS, for locations of effluent sampling.

Table - Internal Monitoring Station - 601 - Final

Effluent Characteristic	Discharge Limitations							Monitoring Requirements		
	Concentration Specified Units				Loading* kg/day					
Parameter	Maximum	Minimum	Weekly	Monthly	Daily	Weekly	Monthly	Measuring Frequency	Sampling Type	Monitoring Months
00083 - Color, Severity - Units	-	-	-	-	-	-	-	1/Day	Estimate	All
00300 - Dissolved Oxygen - mg/l	-	-	-	-	-	-	-	1 / 2 Weeks	Grab	All
00400 - pH - S.U.	9.0	6.5	-	-	-	-	-	1 / 2 Weeks	Grab	All
00530 - Total Suspended Solids - mg/l	18	-	-	12	0.68	-	0.45	1 / 2 Weeks	Grab	All
00610 - Nitrogen, Ammonia (NH3) - mg/l	1.5	-	-	1.0	0.06	-	0.04	1 / 2 Weeks	Grab	Summer
00610 - Nitrogen, Ammonia (NH3) - mg/l	4.0	-	-	3.0	0.15	-	0.11	1 / 2 Weeks	Grab	Winter
01330 - Odor, Severity - Units	-	-	-	-	-	-	-	1/Day	Estimate	All
01350 - Turbidity, Severity - Units	-	-	-	-	-	-	-	1/Day	Estimate	All
31616 - Fecal Coliform - #/100 ml	-	-	-	-	-	-	-	1/Month	Grab	Summer
50050 - Flow Rate - MGD	-	-	-	-	-	-	-	1/Day	Estimate	All
50060 - Chlorine, Total Residual - mg/l	-	-	-	-	-	-	-	1 / 2 Weeks	Grab	Summer
80082 - CBOD 5 day - mg/l	15	-	-	10	0.56	-	0.37	1 / 2 Weeks	Grab	All

AEC 02837

Part I, B. - SLUDGE MONITORING REQUIREMENTS

1. Sludge Monitoring. During the period beginning on the effective date of this permit and lasting until the expiration date, the permittee shall monitor the treatment works' final sludge at Station Number 0IL00091 588, and report to the Ohio EPA in accordance with the following table. See Part II, OTHER REQUIREMENTS, for location of sludge sampling.

Table - Sludge Monitoring - 588 - Final

Effluent Characteristic	Discharge Limitations							Monitoring Requirements		
	Concentration Specified Units				Loading* kg/day					
Parameter	Maximum	Minimum	Weekly	Monthly	Daily	Weekly	Monthly	Measuring Frequency	Sampling Type	Monitoring Months
70318 - Sludge Solids, Percent Total - %	-	-	-	-	-	-	-	1/Month	Grab	All
80991 - Sludge Volume, Gallons - Gals	-	-	-	-	-	-	-	1/Month	Total	All

NOTES for Station Number 0IL00091 588:

1. MONITORING - Monitoring is required when sludge is removed from the wastewater treatment facility and disposed of at a publically owned waterwater treatment plant. If no sludge is removed during the entire month, report "AL" in the first column of the first day of the month on the 4500 Form (Monthly Operating Report). A signature is still required.

2. SLUDGE WEIGHT - Sludge weight is a calculated total for the sampling period.

3. ANNUAL REPORT - See Part II, Item J.

AEC 02838

E. If Severity Units are required for Turbidity, Odor, or Color, use the following table to determine the value between 0 and 4 that is reported.

REPORTED VALUE*	SEVERITY DESCRIPTION	TURBIDITY	ODOR	COLOR
0	None	Clear	None	Colorless
1	Mild			
2	Moderate	Light Solids	Musty	Grey
3	Serious			
4	Extreme	Heavy Solids	Septic	Black

* Interpolate between the descriptive phrases.

F. Grab samples shall be collected at such times and locations, and in such fashion, as to be representative of the facility's performance.

G. Effluent disinfection is not directly required, however, the entity is required to meet all applicable discharge permit limits. If disinfection facilities exist, they shall be maintained in an operable condition. Any design of wastewater treatment facilities should provide for the capability to install disinfection if required at a future time. Disinfection may be required if future bacteriological studies or emergency conditions indicate the need.

2. Applicability and Submission Requirements

a. The samples of the discharge for all parameters listed are collected during, or within 24 hours after the applicable precipitation event.

b. The operator proves that the discharge or the increase in the discharge was caused by the applicable precipitation event. The following information must be submitted by the permittee as proof of qualification for the alternative effluent limitations:

i. A statement of the precipitation event for which the alternative limits are being sought and the amount of rainfall specified for that precipitation event as defined by the National Weather Service and Technical Paper No. 40, "Rainfall Atlas of the United States", May 1961, or equivalent regional rainfall probability information developed therefrom;

ii. The date, duration (time begin/time end), and total 24-hour accumulation (inches), of the precipitation which caused the discharge or increase in volume of the discharge; and

iii. The date and time grab samples were collected.

c. The permittee should report "AH" in the appropriate location on the Monthly Operating Report (MOR) Form 4500 where the data would have gone if alternative limits were not applicable. The information required above in Part II, Item (L)(2)(b) should be included in the "Additional Remarks" section of the MOR form.

L. Ammonia shall not be used at any outfall for treatment without approval of the Ohio EPA.