

Applicant: NORTH CENTRAL RESOURCES, LLC Reference ID: Coal Refuse Facility No. 1 Slurry Cells (B11-583-1800 wmb) (12/20/2011) Status: ERIS - Closed - Issued

Application, NPDES #1

Permit ID: WV1027018

Type: New

Printed: Oct. 27, 2020

10:13 AM

Instructions

The West Virginia Department of Environmental Protection (WVDEP) Division of Mining and Reclamation NPDES/HPU (National Pollutant Discharge Elimination System/Hydrologic Protection Unit) is changing information being collected in Table 2-I-A.

Effective January 28, 2013:

 Total Disturbed Acres has been added back to the Table 2-I-A. This data was collected from 2003 until beginning of 2009. The earlier provided information was recorded in our internal system (ERIS) and has remained there as a protected unchangeable data field since that time. This is what you will now see begin rendered in the table. As this information is old, you should take time to review and change if need be. This information is used in the TMDL Watershed Assessments.

The West Virginia Department of Environmental Protection (WVDEP) Division of Mining and Reclamation application fees change June 16, 2011.

Effective June 16, 2011:

- Notice of Intent to Prospect (PRO) \$2,000.00, regardless of tonnage.
- Surface Mine Application (SMA) \$3,500.00.
- Dam Control Application (DAM) \$300 application fee. (Fee applies to each dam certificate to be issued for new, modification, abandonment, or transfer categories.)
- Permit Revision (REV) \$2,000.00, if significant.
- Incidental Boundary Revision (IBR) \$2,000.00, if significant.
- Permit Renewal (RNW) \$3,000.00, if Quarry \$500.00.
- Permit Amendment (AMEND) \$2,550.00.
- Permit Transfer (19A) \$1,500.00 per permit, Quarry \$500.00 per permit.
- Operator Assignment (19) \$1,500.00 per permit.
- Inactive Status (INA) \$2,000.00, Quarry is free.
- Coal Removal for Construction Purposes (4C) \$3,500.00, paper application.

The West Virginia Department of Environmental Protection (WVDEP) Division of Mining and Reclamation has implemented the following new reporting standards.

Effective January 1, 2009:

- The new eMap file should conform to the WVDEP eMap standards and be attached in the "Maps and eMap Data Section" toward the end of each application. See documentation in that section.
- The "Maps and eMap Data Section" should generally contain, where appropriate, the proposal, drainage, and subsidence control maps along with the eMap. Please attach other drawings and maps in the specific section where they are discussed.
- DO NOT refer to any information existing only in another application, please provide the information in this application.

NPDES/ARTICLE 11 WATER POLLUTION CONTROL PERMIT MR-5 APPLICATION, GENERAL INSTRUCTIONS

(Revised 2/03)

1. The application consists of fourteen (14) modules. The modules are:

Module 1 - General Information
Module 2 - Monitoring Information

Module 3 - Adjacent Surface and Ground Water

Module 4 - Mineral Information Module 5 - Barrier Information

Module 6 - Preparation, Stockpiling, Handling and Disposal

Module 7 - Effluent Treatment Module 8 - Abandonment Plan

Module 9 - Sewage Material Disposal Facility

Module 10 - Underground Disposal

Module 11 - Modification

Module 12 - Transfer Modification

Module 13 - Remining

Module 14 - Groundwater Protection Plan (GPP)

Include all modules shown in Column 2 for each activity in Column 1 for which the application is requesting coverage.
 COLUMN 1

	COLUMN 1	COLUMN 2
	(Application Activity)	(Required Modules)
Α.	ALL NEW APPLICATIONS (also include modules below if activity pertains to the application)	1, 2, 3, 4, 7, 8, 14
	Deep Mines and/or Facilities with Deep Mines above, adjacent, below or injected into	5
	Preparation Plants, Tipples, Loadout Facilities, Refuse Piles	6
	Sewage Treatment or Sewage Disposal systems	9
	Underground Disposal	10
	Remining of pre August 3, 1977 sites under CWA Sec. 301(p)	13
B.	MODIFICATIONS (additional modules may be required, see instructions)	1, 11
	Abandon a Deep Mine or Sites not Bonded under SMCRA (Tipple, Loadout, Treatment Facility)	8
	Abandon Remining Sites	13
C.	TRANSFER MODIFICATIONS	12
D.	ALL REISSUANCES (also include modules below if activity pertains to the application)	1, 2, 14
	Active or Inactive Deep Mines	8
	Sewage Treatment System	9

ALL WATER QUALITY ANALYSIS MUST BE PERFORMED IN ACCORDANCE WITH EPA TESTING PROCEDURES, 40 CFR, PART 136 AND METALS, ACIDITY AND ALKALINITY MUST BE REPORTED IN TOTAL CONCENTRATIONS.

Mod 1: General Information

NPDES Permit Number:	WV1027018	
WVDEP Region:	Philippi •	
Date(s) Submitted:	October 12, 2012	

Type of Permitting A	Action(s) Req	uested (Mark <u>all</u> that apply	∕ <u>and</u> enter appropriat	e numbers in the sp	paces provided)
✓ New	Reissue #	☐ Trans	fer#	☐ Modification #	
	(If a transfer i	is included with reissuance	enter reissuance # a	nd the transfer #)	
Is socioeconomic just	ification includ	led with this application?		○ Yes	
Required reissuance	filing date:	io (120 c	days prior to expiratio	n date)	
USGS/SCS Hydrolog	gic Region(s)	Receiving Effluent.			
Major Watershed: V	Vest Fork Rive	er	Ç Code	: 05020002	
Minor Watershed:	Elk Creek (060)	Code:	060 Grou	ıp: E
Stream Uses:	A, B, C, D ∨	•			
Coordinate Informat	tion:				
	06 ' 52	" L	ongitude: 80 °	09 ' 11	" 👼
	Digital/Manual	Interpolation from a map		NAD27 🗸	
Application Filing Fe	ee	\$1000.00			
(Coal)		New or Reissu	$\overline{}$	○ Modification	
O (Non-Coa	al)	Annual Fees Paid	: ii	j	
		under General Permit)	0	A	Delegation (6) Am
Fee Schedule Works	sneet for Non	-Coal	County	Annual	Rainfall (ft./yr.)
		Vegetation Covered	Disturbed	Concre	te/Asphalt
Drainage Area (acres		Togotation Doverbu	J.ota. 200		- Internation
Runoff Coefficient	,				
Annual Discharge Vol	lume for Storm	nwater Runoff (gal./day)			
		ts other than Stormwater R	Runoff (gal./day)		
Total Discharge Volun			Total Discharge Vo	olume	
Facility Factor			Waste Factor		
		~		~	
Application Filing Fe	ee	\$1000.00			
Mod 1 Part I: Applica	ant Owner (O	perator) Information			
A. New Address?	☐ Y	es			
Applicant Name:	NORTH CEN	ITRAL RESOURCES, LLC	;		
Street:	200 CHAPEL	BROOK DR			
City:	BRIDGEPOF				1
Country:	United States	s of America 🗸	State: West Vir		
Zip:	26330		Phone: 304-842	-8000	J
B. Category of ap	plicant: (Chec	k appropriate category; if "	other" specify type)		
O Federal	· _ ·	Private Public	Other		

Mod 1 Part II: Facility Information

A. Facility Info	rmation					
Facility Name:	Coal Refuse Facility No. 1					
Street:	200 Chapel Brook Drive					
City:	Bridgeport					
Country:	United States of America ✓ State: West Virginia ✓					
Zip:	26330 Phone: 304-842-8000					
County: *	Barbour					
County.	Daiboui A					
	Berkeley					
	Boone ▼					
	of Facility (driving instructions - no GPS coordinates):					
	oute 11) travel north to Route 119, travel west on Route 119, .5 miles to Route 34, travel north on Route 34 approximately					
Nearest P.O.:	Volga					
Contact Name:	Kevin Bealko					
Contact Title:	President					
Contact Phone:	304-842-8000					
	ple, hold down Ctrl key while making selections.					
	and discharges therefrom fall under the selected category below:					
comme Series Existing may be	cource - Facility covered under 40 CFR Part 434, including an abandoned mine for which remining enced after September 19, 1977 or which is determined to constitute a major alteration. (See Title 47, 30, Section 2.29.) In Section 2.20.)					
in this appli Permitting	below show the type of permitting action being requested and the types(s) of operations to be covered cation. Check each operation in the appropriate category column. Action Requested: (Mark the one that applies) sue New Permit Reissue Permit					
Operations Cove	ered (select all that apply, contact local DEP office if additional options are needed):					
Operations cov	(Solect all that apply, contact local BET office if additional options are needed).					
Action:	Activity: Operate: Remine: Abandon:					
New ✓	Coal Refuse Disposal Area ✓					
Sewage	ivities below that this application is requesting coverage for. Treatment Chemical Treatment Underground Disposal System I Treatment Remining [under CWA Sec.301(p)] ization Other (describe activity)					
Mod 1 Part III: Re	issuance of Existing Permits					
A. Provide a n this reissua date they w	arrative describing all permitting actions taken since the last issuance of this permit up to and including nce application. Briefly describe each modification or transfer request submitted (by number) and the ere approved, withdrawn, or denied (to include any changes requested in this application).					
✓ N/A						

Mod 1 Part IV: SIC Code

Α.	Select all SIC (Standard Industrial Codes) code(s) below that this facility falls under.
	Bituminous Coal
	Asphalt Paving Mixture & Blocks
	Clay, Ceramic & Refractory Minerals 🔻
	To select muliple, hold down Ctrl key while making selections.

10 Sciect illu	npic, noid down our ke	y willie makii	ig sciccitoris.					
Mad 4 Dart V. Envir	rommontal Dommita and	Annliastions						
A. List the follow	onmental Permits and ring information for all exi	sting environm						
*(If e	ffluent from this facility is	treated under	another NPDE	=S permit in	dicate as	: Off-Site Treati	ment)	
Action Office	Issuing Agency and	d Address:					Off-S	Site
Type of Permit:	Permit or ID		Date Iss		Exp	oiration Date:		tment*:
✓ HPU ∨	111111111111111	Nater and Was	ste Manageme	ent (HPU)				
NPDES Art. 11 💊	N/A		N/A	ió	N/A	iö		
✓ OWR 、	WV DEP Division of \	Nater and Was	ste Manageme	ent (Water)				
UIC •	N/A		N/A	ió	N/A	io		
✓ OWMS \	WV DEP Division of V	Nater and Was	ste Manageme	ent (Waste)				
•	N/A		N/A	ió	N/A	io		,
✓ OAQ 、	WV DEP Division of A	Air Quality						
	N/A	- Cuamy	N/A		NI/A			
Article 5			IN/A	ió	N/A	io		1
∨ DHHR \		nt						
Sewage	N/A		N/A	io	N/A	ió		
✓ Land ヽ	WV Public Land Corp	oration						
•	N/A		N/A	ió	N/A	ió		
∨ Corp ∨	✓ US Army Corps of Er	ngineers						
	N/A		N/A	io	N/A	io		
✓ OMR N	WV DEP Division of I	Mining and Re	clamation					
Article 4	N/A		N/A	io	N/A	iċ		ı
✓ OMR ヽ	WV DEP Division of I	Mining and Re	clamation (list	all)				
SMCRA Art. 3 N	NI/A		N/A	iö	N/A	iö		l
SIVICKA AIT. 3			IN/A	10	IN/A	10		
B. Indicate any p	pending applications for t	his facility.						
		Pendina	Applications					
Office:	OMR 🕶		Украновно					
Permit Number:	O201312	Арр	lication Type:	SMA		Sequence Id	:	
Applicant:	NORTH CENTRAL RES	SOURCES, LLO				$\overline{}$		
Facility Name:	Coal Refuse Disposal F							
Regional Office:	Philippi							

Mod 1 Part VI: Map

ŀ		pographic map drawn to a reasonable scale and extending at least one thousand feet (1,000') beyond the limits
١	of th	e facility that identifies and/or shows:
١		(Read and follow all instructions concerning map requirements and preparation)
١	1.	Limits of each and every operation (permit) to be covered, and adjacent operations.
١	2.	All physical (sediment control), chemical, sewage, biological and passive treatment systems.
١	3.	All intake or discharge points and any internal, ground water or in-stream monitoring stations.
۱	4.	All streams, creeks, rivers, lakes, or other surface bodies of water.
۱	5.	All seeps, springs or other ground water discharge points.
	6.	All drinking, domestic use or ground water monitoring wells and any production, injection or abandoned commercial wells.
۱	7.	Delineate all wellhead protection areas.
۱	8.	Delineate all wetlands known to be affected by this facility.
١	9.	Legend, title block, location map and North arrow.
١	10.	If Module 14 is included in this application, then locate all items shown in "14-I-A" of the Groundwater
١		Protection Plan (GPP) on the map and label them by the ID shown in that table.
	See	e Drawing No. B11-583-M1
Ī		
E		t VII: Transfers and Additional Responsibilities
ľ	A. If pr	oposing any of the following (with this application) include the appropriate attachments:
	1.	To allow effluent from operations, owned by persons or organizations other than the applicant, to be discharged through any outlet proposed (or covered) by this application, or to allow flow from operations proposed (or covered) by this application to be discharged through an outlet of a different NPDES permit.

N/A (previously submitted)

Mod 2 Part I - A: Table 2-I-A Instructions

No

2.

O Yes

O Yes If Yes, complete MR-5GT in Module 12.

To transfer the Groundwater Protection Plan.

If Yes, complete Module 1R.

TABLE 2-I-A INSTRUCTIONS

A. Provide the information requested below in "Table 2-I-A" for all outlets and/or all monitoring points/stations for the facility. Complete as many tables as necessary to show <u>all</u> points the applicant intends to use to meet the monitoring requirements.

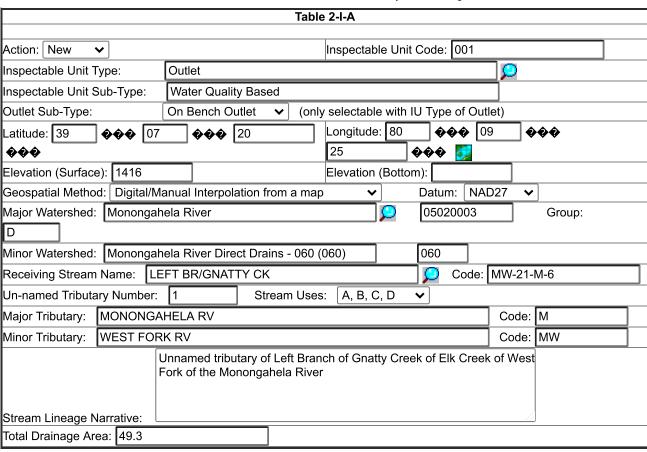
For NPR (Reissuance) applications, those currently approved and open in the permit were automatically loaded when you chose the permit number in Module 1. Please review the menu structure for this module to ensure the list is appropriate and report any descrepancies before proceeding. You may add form for any new ones being desired.

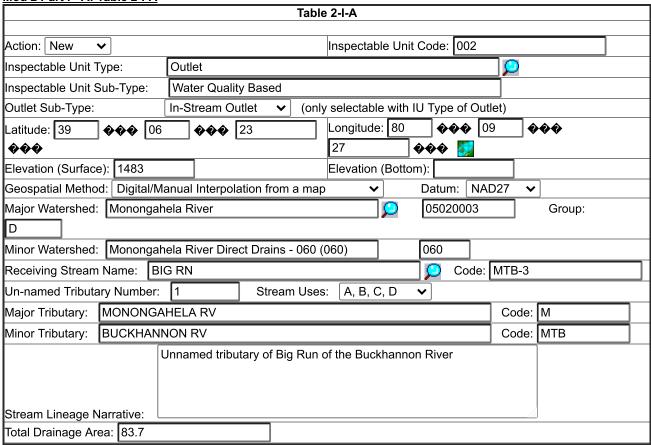
For NPM (Modification) applications, you will add a form and select the outlets needed or add as many new ones as desired. It is recommended that when you add your first Table 2-I-A form, to review the items in the Inspectable Unit Code dropdown to ensure the list is appropriate and report any descrepancies before proceeding. At this point it should contain those currently approved and open in the permit.

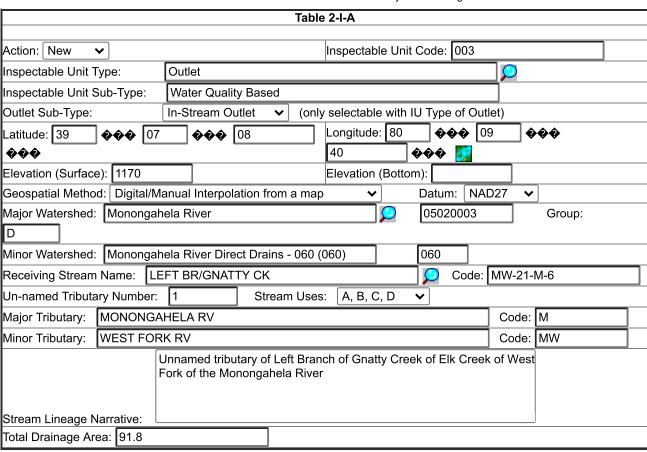
For each outlet or monitoring station include the following information:

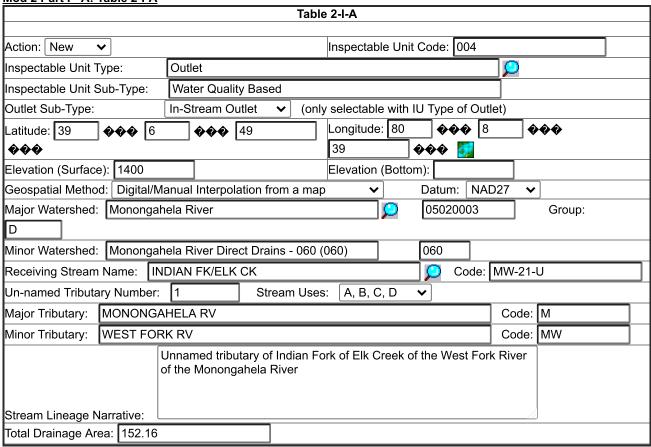
- 1. <u>Action</u>: Indicates what you are requesting to be done for that structure. Reissuance requires all structures to be accounted for in the application. Modification applications should only contain those affected by the modification. The possible actions are:
 - 'New' adding a new structure to the permit inventory.
 - 'Existing' selecting a structure currently approved in the permit and not being changed. Use in NPR application only.
 - 'Change' changing information about the structure or providing additional information.
 - 'Close' removing the structure from the permit inventory.
- 2. <u>Inspectable Unit Code</u>: This is the structure identifier (ie. 001, 002, 400, U-001, etc.). Do not use any commas, periods or slashes. The only special character recommended to be used here is a dash. (Remember the lab must report the DMR data with this identifier and it must match exactly to get credit for reporting. Recently this has become a large problem and permittees have been getting a lot of "Failure to Submit" violations.)
- 3. <u>Inspectable Unit Type</u>: This data field is for entering the type of station. Use the Search Icon to select the proper type. The choices are 'Dewater Allowed', 'Groundwater Monitoring', 'Injection Monitoring', 'Outlet' and 'Stream Monitoring'.
- 4. <u>Inspectable Unit Sub-Type</u>: Choose the option that best clarifies the 'Inspectable Unit Type' chosen in the previous field. The values available in this dropdown change based on the inspectable unit type selected.
- 5. <u>Outlet Sub-Type</u>: Choose the option that best describes the type of outlet. This is only required when the 'Inspectable Unit Type is Outlet'.
- 6. <u>Latitude</u>: Enter the coordinates in degrees, minutes and seconds.
- 7. Longitude: Enter the coordinates in degrees, minutes and seconds.
- 8. <u>Elevation (Surface)</u>: Enter the surface elevation of all outlets (including injection), internal and in-stream monitoring points. For ground water monitoring wells enter the static water level of the well in the Surface column.
- 9. Elevation (Bottom): Enter the bottom elevation of all ground water monitoring wells and injection outlets (wells).
- Geospatial Method: Method used to obtain the longitude and latitude. There is a drop down to choose the correct method used.
- 11. <u>Datum</u>: The map datum used for the coordinates. There is a drop down to choose the correct datum.
- 12. <u>Major Watershed</u>: List the 'Major Watershed' receiving stream from the search button. You will be taken to a window that has a drop down for the 'Major Watershed', pick the appropriate 'Major Watershed'. Then you will need to pick the 'Minor Watershed'. The 'Group' field will automatically be populated based on your selection.
- 13. <u>Minor Watershed</u>: The 'Minor Watershed' dropdown is populated based on the choice made under the 'Major Watershed'.
- 14. <a href="https://www.ncm.nih.gov.ncm.n
- 15. <u>UT</u>: This column is for immediate receiving streams that are unnamed tributaries. Enter the number (1, 2, 3, etc) of unnamed tributaries away from the first named stream (identified by the WVDNR code) the immediate receiving stream is. (Example: Unnamed trib. of unnamed trib. of Cabin Cr = 2; Unnamed trib. of cabin Cr = 1; etc).
- 16. <u>Receiving Stream Name</u>: The receiving stream name will be entered automatically from the choices made under the WVDNR Receiving Stream Code.
- 17. <u>Stream Lineage Narrative</u>: List the path of the discharge from the immediate receiving stream, all the way through to the Major receiving stream. If you have several unnamed tributaries, we recommend using Unnamed Tributary (UT) of A, UT of B, UT of C, etc. To help reduce the size of the text, maximum length is 500.
- 18. Stream Uses: Choose between one of two category listings. (47 CSR 2-6)
- 19. Total Drainage Area: List the total drainage area for the outlet.

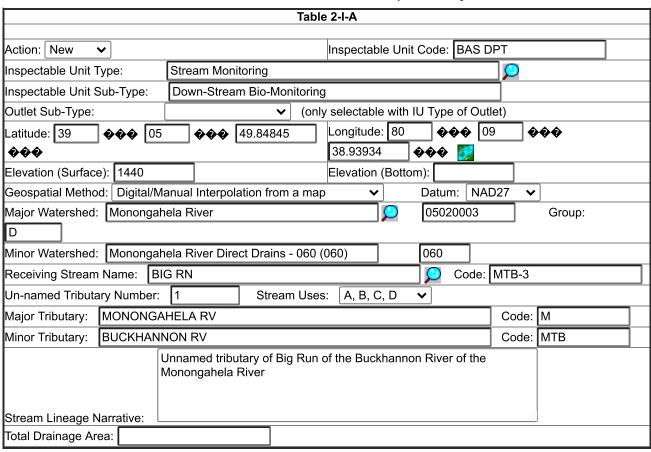
Α.	If this Permit has NO outlets, click here.	☐ No Outlets	

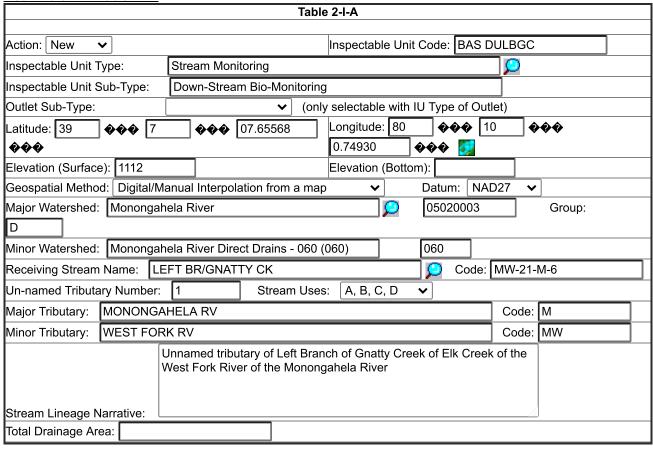


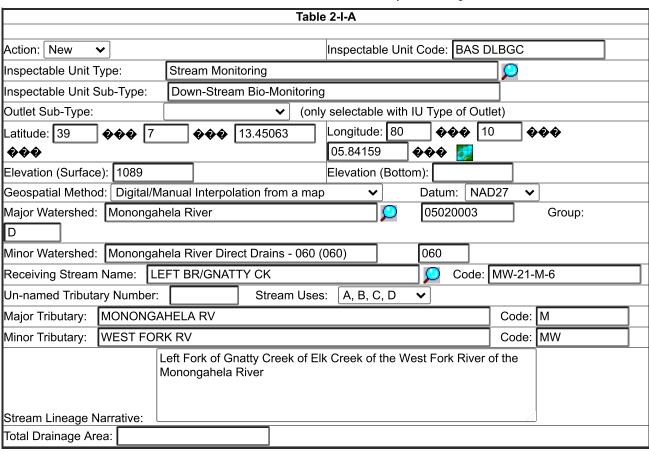


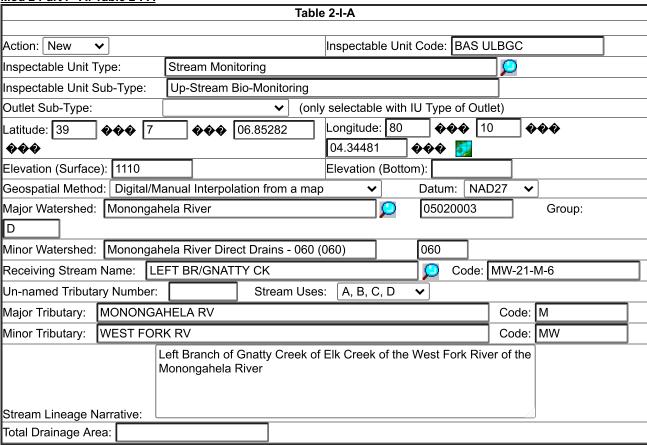


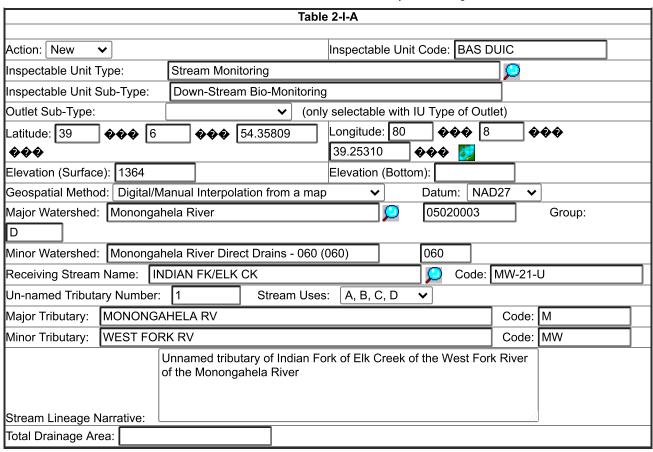


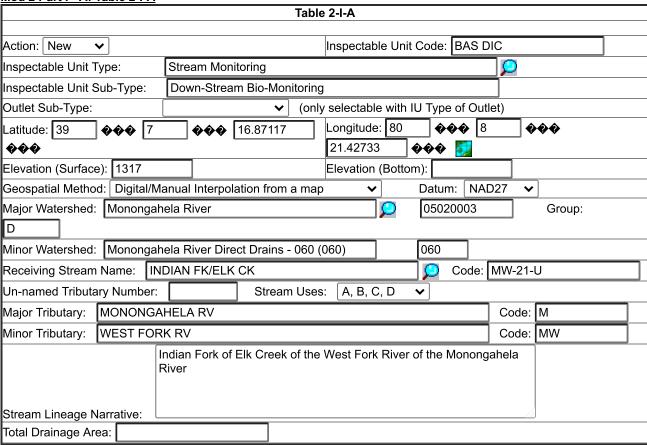


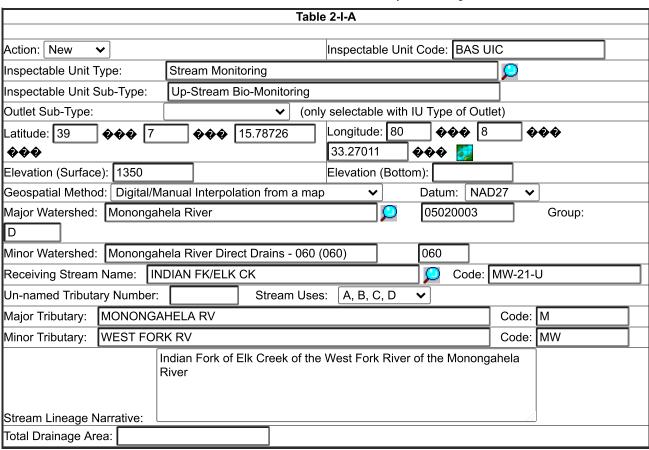


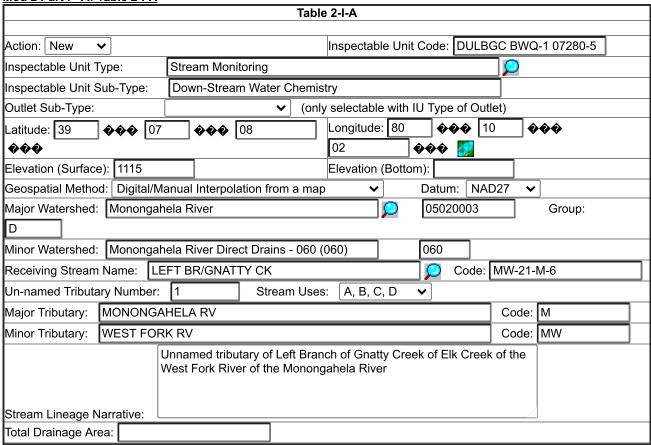


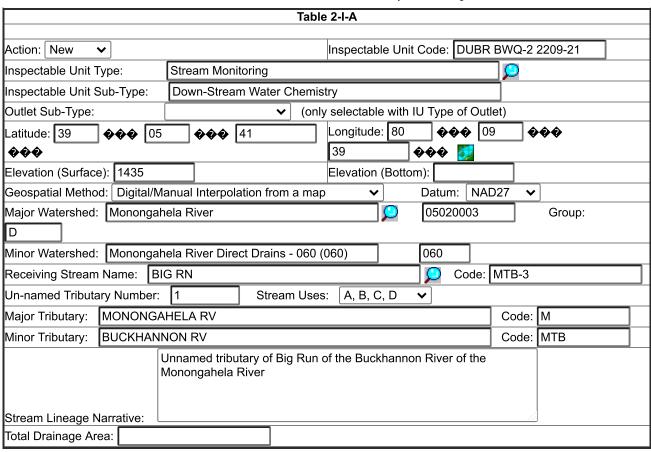












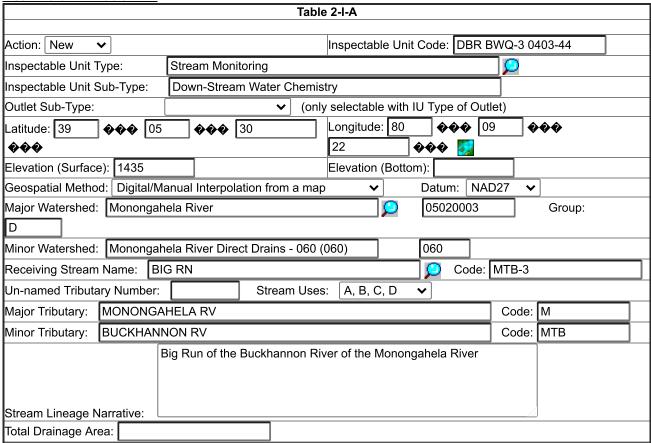


			Table	2-I-A				
Action: New ✓				Inspectable l	Jnit Code:	DUIC BWG	Q-11 1707-59	
Inspectable Unit Type: Stream Monitoring			oring			<u>,</u>	•	
Inspectable Unit Sub-	Туре:	Down-Strear	n Water Chemist	ry				
Outlet Sub-Type:			∨ (only	selectable w	ith IU Type	e of Outlet)		
Latitude: 39	0 7	***	14	Longitude: 8	30	9	•••	
***		_		29	•••	9	_	
Elevation (Surface):	1340			Elevation (Bo	ottom):			
Geospatial Method:	Digital/Ma	nual Interpola	ation from a map	~	Datum	n: NAD27	~	
Major Watershed: M	lonongahe	ela River		Ç	0502	:0003	Group:	
D							_	
Minor Watershed: M	lonongahe	ela River Dire	ct Drains - 060 (0	060)	060			
Receiving Stream Na	me: INE	DIAN FK/ELK	СК		9	Code: MW	/-21-U	
Un-named Tributary N	Number:	1	Stream Uses:	: A, B, C, D) ~			
Major Tributary: MC	NONGA	HELA RV				Co	ode: M	\neg
Minor Tributary: WE	ST FOR	(RV				Co	ode: MW	$\overline{}$
		nnamed tribu f the Mononga	tary of Indian Foi ahela River	rk of Elk Cree	k of the W	est Fork Riv	ver	
Stream Lineage Narra	ative:							
Total Drainage Area:								

Mod 2 Part I - B: Drainage Component Table

- A. Attach a DRAINAGE COMPONENT TABLE, found here, for all outlets and include the following information:
 - 1. The associated Article 3 drainage control structure(s) (VF Point Number, Sed Pond Number, Sediment Ditch Number, Pumping Station Number, Dewatering Site Number, etc.)
 - 2. The total (surface) drainage area contributing to each outlet.
 - 3. The maximum pump discharge rate (if applicable).
 - 4. The maximum calculated or measured flow for any gravity or artesian discharge (if applicable).

See Attachment 2-I-B

Mod 2 Part II - A: Flows

- A. Attach a flow chart showing the water flow onto, through and off of the facility to the down stream monitoring station. Include the following on the chart:
 - 1. All sources of intake water (storm water, pumped, seeps, springs, wells, stream, mines, slurry etc.)
 - 2. All facilities and operations (active refuse, inactive surface, abandoned deep mine, adjacent permits/mines etc) contributing to the effluent (identify by Article 3 permit number of if unknown by name)
 - 3. All types of treatment units (physical, chemical, passive, sewage, etc. identified by name ie. Pond 1, Ditch 2)
 - 4. All outlets, internal and in-stream monitoring stations labeled to correspond to Module 1's "Topographic Map". (If an outlet is permitted under <u>another</u> NPDES Permit, that is receiving effluent from a SMCRA Permit covered by <u>this</u> NPDES Permit, show <u>all</u> corresponding NPDES & SMCRA Permit Numbers and Outlet Numbers)
 - 5. Water balance from the intakes(s) to the downstream monitoring stations(s). (use designed flows from intakes, facilities, operations, treatment units, outlets, etc.)

See Drawing No. B11-583-A6

Mod 2 Part II - B: Treatment Technologies

- B. In Table 2-II-B, for each <u>outlet</u> or <u>internal monitoring point</u>, provide:
 - 1. "Types" (deep, surface, refuse, prep-plant, loadout, sewage, etc.) of operations contributing to the effluent of the outlet/monitoring point.
 - 2. "Status" (active, regraded, abandoned) of the operations contributing to the effluent.
 - 3. "Constructed" Indicate if the outlet/monitoring point is constructed or not.
 - 4. "Flow" (In Cu. Ft./Sec.) of each outlet/monitoring point. (For not constructed outlets use the designed flow and for outlets constructed use the average flow.)
 - 5. "Action" Indicate what you want to do regarding the treatment process. Existing currently approved and no change is being requested. Close currently approved and want to end the process. New requesting the process.

pro 6. "Co	ocess. odes" representing the treatments pe	rformed on the was	tewater. We will also display it	's description.
7. "Tr	eatment System Name" contributing .)	to the outlet/monito	ring point. (Sed. Ditch 1, Pond	4, anoxic Drain 3,
N/A	A (No outlets - Stormwater only or Be	eltline permit.)		
Med 2 Dowt II	D. Toblo 2 II D			
Mod 2 Part II -		able 2-II-B (Header)	
Outlet Number:		•	,	
Type:	Coal Refuse Disposal Area	Status:	Active ~	
	AMD Plant			
	Auger			
Constructed:	O Yes No	Flow (cfs):	230.71	
Treatment Syst	2 .00	(5.5).		
Trodunioni Oyot	on rano.			
Table 2-II-B (De	etail)			
Action: New	➤ Treatment Code: 1-U	Q	Sedimentation (Settling)	
Mod 2 Part II -	B: Table 2-II-B			
		able 2-II-B (Header)	
Outlet Number:	002			
Type:	Coal Refuse Disposal Area	Status:	Active •	
	AMD Plant			
	Auger			
Constructed:	O Yes No	Flow (cfs):	239.64	
Treatment Syst	- 1.00	,		
Table 2-II-B (De	etail)			
			Coding and alice (Codding)	
Action: New	▼ Treatment Code: 1-U		Sedimentation (Settling)	
Mod 2 Part II -		able 2-II-B (Header)	
Outlet Number:		abio 2 ii b (i loadoi	1	
Type:	Coal Refuse Disposal Area	Status:	Active •	
	AMB BL 4			
	AMD Plant			
Constructed:	Auger Ves No	Flow (cfs):	365.37	
	0 103 0 140	Flow (CIS):	300.31	
Treatment Syst	eni maine. [Funu mu. 3			
Table 2-II-B (De	etail)			
Action: New	✓ Treatment Code: 1-U	D	Sedimentation (Settling)	

Outlet Number: Type:	004					
турс.		fuse Disposal Area	Status:	Activo	•	
	Coarre	iuse Disposai Area	Status.	Active	<u> </u>	
	AMD Pla	ant				
	Auger		▼			
Constructed:	O Yes	No	Flow (cfs):	237.84		
Treatment System		Existing Pond No.	.1			
		<u> </u>				
Table 2-II-B (Detail)					
Action: New	~	Treatment Code:	1-U 🔎	Sedimentation (Se	ettling)	
Mad 2 Dowl II Col	n 4 a woo i 44 .	ont or Concens! D	lia a barrea			
Mod 2 Part II - C: I C. Except for st			<u>nscriarges</u> spills are any of the discl	narges described in	2-II-B intermittent	or seasona
			vet weather springs, etc.		2 ii B iiitoiiiittoii	01 00000110
No	Ye		,			
If Yes, comp	lete the f	ollowing table.				
				Duration	Frequency	1
Outlet Number		Contributi	ng Operations	Duration (Hours/Days)	Frequency (Days/Year)	Flow (MG
Mod 2 Part III: Rec A. Do any Feder construction programs th conditions, conders, come	eral, State , upgradi at may at compliance oliance se	ompliance e or Local authorition of or operation of offect the discharges of schedules, stiput chedules, etc. or offect.	es require the meeting o wastewater treatment equivalent orders, and their requirements in the	r any implementation uipment or practices ation? (This included grant or loan conditions)	n of a schedule for sor any other enves, but is not limit	or the vironmental ed to, permit
Mod 2 Part III: Red A. Do any Feder construction programs the conditions, conders, complements,	uired Co eral, State , upgradi at may at compliance oliance so	ompliance e or Local authorition of or operation of offect the discharges of schedules, stiput chedules, etc. or offect.	es require the meeting o wastewater treatment eq s described in this applic plations, court orders, and	r any implementation uipment or practices ation? (This included grant or loan conditions)	n of a schedule for sor any other enves, but is not limit	or the vironmental ed to, permit
Mod 2 Part III: Red A. Do any Feder construction programs th conditions, conders, com No If Yes, comp	juired Co eral, State, upgradi at may af compliance bliance so Ye lete the f	e or Local authoriting or operation of the discharges or schedules, stipuchedules, etc. or or s	es require the meeting o wastewater treatment eq s described in this applic plations, court orders, and	r any implementation uipment or practices ation? (This included grant or loan conditions)	n of a schedule for sor any other enves, but is not limit	or the vironmental ed to, permit
Mod 2 Part III: Rec A. Do any Fede construction programs th conditions, conders, comp No If Yes, comp	juired Co eral, State, upgradi at may af compliance bliance so Ye lete the f	e or Local authoriting or operation of the discharges or schedules, stipuchedules, etc. or or s	es require the meeting o wastewater treatment eq s described in this applic plations, court orders, and	r any implementation uipment or practices ation? (This included grant or loan conditions)	n of a schedule for sor any other enves, but is not limit	or the vironmental ed to, permit
Mod 2 Part III: Red A. Do any Feder construction programs th conditions, conders, com No If Yes, comp	juired Co eral, State, upgradi at may af compliance bliance so Ye lete the f	e or Local authoriting or operation of the schedules, stipuchedules, etc. or or sollowing table.	es require the meeting o wastewater treatment eq s described in this applic plations, court orders, and	r any implementation uipment or practices ation? (This included grant or loan conditions)	n of a schedule for sor any other enves, but is not limit	or the vironmental ed to, permit
Mod 2 Part III: Rec A. Do any Fede construction programs th conditions, conders, comp No If Yes, comp	juired Co eral, State, upgradi at may af compliance bliance so Ye lete the f	e or Local authoriting or operation of the schedules, stipuchedules, etc. or or sollowing table.	es require the meeting o wastewater treatment eq s described in this applic plations, court orders, and	r any implementation uipment or practices ation? (This included grant or loan conditions)	n of a schedule for sor any other enves, but is not limit	or the vironmental ed to, permit
Mod 2 Part III: Rec A. Do any Fede construction programs th conditions, conders, comp No If Yes, comp	juired Co eral, State, upgradi at may af compliance bliance so Ye lete the f	e or Local authoriting or operation of the schedules, stipuchedules, etc. or or sollowing table.	es require the meeting o wastewater treatment eq s described in this applic plations, court orders, and	r any implementation uipment or practices ation? (This included grant or loan conditions)	n of a schedule for sor any other enves, but is not limit	or the vironmental ed to, permit
Mod 2 Part III: Red A. Do any Feder construction programs th conditions, conders, com No If Yes, comp Condition, Agreem Outlet Number:	uired Copraints of the compliance so the complia	e or Local authoriting or operation of steet the discharges on the schedules, stipus chedules, etc. or or sollowing table.	es require the meeting o wastewater treatment eq s described in this applic plations, court orders, and	r any implementation uipment or practices ation? (This included grant or loan conditions)	n of a schedule for sor any other enves, but is not limit	or the vironmental ed to, permit
Mod 2 Part III: Rec A. Do any Fede construction programs th conditions, c orders, com No If Yes, comp	uired Coral, State, upgradiat may af compliance so yelete the feet, etc.:	e or Local authoriting or operation of steet the discharges on the schedules, stipus chedules, etc. or or sollowing table.	es require the meeting o wastewater treatment eq s described in this applic plations, court orders, and	r any implementation uipment or practices ation? (This included grant or loan conditions)	n of a schedule for sor any other enves, but is not limit	or the vironmental ed to, permit
Mod 2 Part III: Rec A. Do any Feder construction programs th conditions, conders, come No If Yes, comp Condition, Agreem Outlet Number:	uired Coral, State, upgradiat may af compliance so yelete the feet, etc.:	e or Local authoriting or operation of steet the discharges on the schedules, stipus chedules, etc. or or sollowing table.	es require the meeting o wastewater treatment eq s described in this applic plations, court orders, and	r any implementation uipment or practices ation? (This included grant or loan conditions)	n of a schedule for sor any other enves, but is not limit	or the vironmental ed to, permit
Mod 2 Part III: Rec A. Do any Feder construction programs th conditions, conders, come No If Yes, comp Condition, Agreem Outlet Number:	puired Copral, State, upgradiat may at compliance so poliance so lete the frent, etc.:	e or Local authoriting or operation of steet the discharges on the schedules, stipus chedules, etc. or or sollowing table.	es require the meeting o wastewater treatment eq s described in this applic plations, court orders, and	r any implementation uipment or practices ation? (This included grant or loan conditions)	(Days/Year) n of a schedule for sor any other enverse, but is not limit itions.) Include a	or the vironmental ed to, permit

20		Electronic outsinission bystem i mung
	Temperature (Summer)	Temperature (Winter)
B.	Submit analyses for the effluent (treated disch	<i>harge)</i> from <u>each</u> outlet ¹ .
	N/A (New Permit - Outlets not construct	ed yet; Stormwater only or Beltline permit.)
	Analysis for Table 2-IV-B submitted to EG	QuIS.
	Parameters to be analyzed are:	
		Table 2-IV-B Analytes
	Bromide (24959-67-9)	Color
	Fluoride (1698-48-8)	Nitrate-Nitrite (as N)
	Nitrogen, Total Organic (as N)	Phosphorus, Total (as P) (7723-14-0)
	Sulfate (as SO4) (14808-79-8)	Sulfide (as S)
	Sulfite (as SO3) (14265-45-3)	Surfactants
	Aluminum, Total (7429-90-5)	Aluminum, Dissolved (7429-90-5)
	Aluminum, Total Recoverable (7429-90-5)	Barium, Total (7440-39-3)
	Boron, Total (7440-42-8) Iron, Total (7439-89-6)	Cobalt, Total (7440-48-4) Magnesium, Total (7439-95-4)
	Molybdenum, Total (7439-98-7)	Manganese, Total (7439-96-5)
	Tin, Total (7440-31-5)	Titanium, Total (7440-32-6)
	Chloride	Hardness
	Alpha, Total	Beta, Total
	Radium, Total	Radium226, Total
C.	Submit analyses for the effluent (treated discl	<i>harge)</i> from <u>each</u> outlet ¹ .
	 N/A (New Permit - Outlets not construct 	ed yet; Stormwater only or Beltline permit.)
	O Analysis for Table 2-IV-C submitted to E	QuIS.
	Parameters to be analyzed are:	
		Table 2-IV-C Analytes
	Antimony, Total (7440-36-0)	Arsenic, Total (7440-38-2)
	Beryllium, Total (7440-41-7)	Cadmium, Total (7440-43-9)
	Chromium, Total (7440-47-3)	Copper, Total (7550-50-8)
	Lead, Total (7439-92-1)	Mercury, Total (7439-97-6)
	Nickel, Total (7440-02-0)	Selenium, Total (7782-49-2)
	Silver, Total (7440-22-4) Zinc, Total (7440-66-6)	Thallium, Total (7440-28-0) Cyanide, Total (57-12-5)
	Phenols, Total	Cyanide, Iolai (37-12-3)
D.	outlets used in Section A above, and all groun second (cfs). "Zero" (0) or "No flow" will not be water monitoring wells show water elevation i	o any type of treatment) analyses for, at a minimum, the representative and water monitoring stations. Show the flow amount in cubic feet per be accepted, samples must be taken during times of flow. For ground in well (flow would be NA unless artesian well). In Table 2-IV-D show ater. For sediment ditches (channels), where there is no influent area may be used for the analysis.
	 N/A (New Permit - No Outlets or Ground or Beltline permit.) 	d Water Monitoring Stations exist yet; Stormwater only
	Analysis for Table 2-IV-D submitted to Equation	QuIS.
	Parameters to be analyzed are:	
		Table 2-IV-D Analytes
	Water elevation (for wells only)	Flow
	pH Total Manganese	Total Iron Total Aluminum
	Dissolved Aluminum	Acidity mg/l as CaCO ₃
	Alkalinity mg/l as CaCo ₃	Sulfates as SO ₄
E.		is for each assigned HUC-14+2 (16 digit) Reachshed that will be ets. The collection of BWQ samples and their analysis being reported Q Protocol" dated December 27, 2006.
	 N/A (No new reachsheds being propose 	ed.)

BWQ analysis submitted to E	:QuIS.
Parameters to be analyzed are:	
	Table 2-IV-E Analytes
Flow	pH
Total Iron	Total Manganese
Total Aluminum	Dissolved Aluminum
Total Selenium	
narrative description providing the • A description of the weather For example: clear, cloudy • A description of the physic	er condition 24 hours prior to each sample collection.
Other parameters may be assigne	ed on an as needed basis.
est only one outfall and report the quant	Itlets with substantially identical effluents the director may allow the applicant to titative data also applies to the substantially identical outlet. If a "Representative ents must be shown in the spaced provided in the Tables 2-IV-A, B, C and D.
//lod 2 Part IV - F-I: General Intake and	l Effluent Characteristics
	pelieve, any pollutants listed in Appendix C or E of the NPDES Regulations
47CSR30 are discharged, from a	ny outlet?
No Yes	
	elieved present, briefly describe the reasons believed to be present, and report
any analytical data possessed.	
POLLUTANT	SOURCE
FOLLOTANT	→ SOURCE
	*
	dule 2" for pollutants performed in accordance with 40 CFR, Part 136?
○ N/A ⊚ Yes ○ No	
If No, list below the pollutant, and d	lescribe method used for analysis.
DOLLUTANT	DESCRIPTION OF METHOD
POLLUTANT	DESCRIPTION OF METHOD
POLLUTANT	DESCRIPTION OF METHOD
	v
H. Were the toxic metals, cyanide and	
H. Were the toxic metals, cyanide and microgram per liter?	v
H. Were the toxic metals, cyanide and microgram per liter? N/A Yes No	d phenols reported under Table 2-IV-C analyzed with a precision to the nearest
H. Were the toxic metals, cyanide and microgram per liter? N/A Yes No	v
H. Were the toxic metals, cyanide and microgram per liter? N/A Yes No If No, list below the pollutant, methology	d phenols reported under Table 2-IV-C analyzed with a precision to the nearest od and detection limit used for analysis.
H. Were the toxic metals, cyanide and microgram per liter? N/A Yes No If No, list below the pollutant, methor	d phenols reported under Table 2-IV-C analyzed with a precision to the nearest
H. Were the toxic metals, cyanide and microgram per liter? N/A Yes No If No, list below the pollutant, methor	d phenols reported under Table 2-IV-C analyzed with a precision to the nearest od and detection limit used for analysis.
H. Were the toxic metals, cyanide and microgram per liter? N/A Yes No If No, list below the pollutant, methor	d phenols reported under Table 2-IV-C analyzed with a precision to the nearest od and detection limit used for analysis.

I .	Provide the permit.	days the a	applicant w	ill collect t	he require	d complia	nce monitor	ing sampl	es for the	proposed	WVNPDES
□ N	A - No Outle	ts									
	UENCY: S		ly 🕶								
✓Mo		✓Wed	✓Thu	✓ Fri	□Sat	Sun					
1	✓2 TH OF YEAF	3	4	✓ 5							
✓ Jan	Feb	✓Mar	✓Apr	✓May	✓Jun	✓ Jul	✓Aug	Sep	Oct	✓Nov	✓Dec
Mod 2	2 Part V: Pot	tential Dis	charges n	ot Covere	ed by Ana	<u>lysis</u>					
Α.	Is any pollu the next five No	e (5) years Yes	, to be use s	d or manu	factured a	s an interr					xpect over
	If Yes, list b		•	nts and po	ssible sou	ces.					
		POL	LUTANT					POSSIBL	E SOURC	ES	\neg
Mod 2 A.	Part VI: Bi					e of or rea	son to belie	ve that ar	ny biologic	al test for a	acute or
	chronic toxi years?										
	No If Yes, subn	Yes		ilts and a d	description	of the rea	ison for test	for the ou	utfall or str	eam on wh	nich the test
	was perforn									oam on w	
Mod 1	2 Part VII: Β	onthic Su	avov.								
A.	Has there b	een perfor	med, or is								
	done on a r			шоп ю а р	noposeu u	ischarge v	within the la	si iiilee (3) years:	rossibiy ii	<u>1 a 40 l</u>
	No If Yes, subr		of results a			on of the r	eason for th	ne survey,	the strear	n on which	n the test
	was perform See Attach			of each te	st site.						
Mod 2	2 Part VIII: D	oischarges	s into Non	-complyir	<u>ng Waters</u>						
A.	Is there a p standards f discharge to these pollut	or the pollu the requi	utant(s) to l red techno	be dischar logy base	ged, or is i d limits, an	not expected the state	ted to meet e has perfo	those stai rmed a po	ndards eve llutant wa	en after tre ste allocat	eating the ion for
	No	O Yes								, –	,.
	2. The e	are suffici xisting disc	ent remair charges int	ing polluta to that seg	ment are s	subject to	o allow for t compliance				nent); and he segment
	3. The a	pplicant qu nstration to		an alterna	te water qı	uality base	<u>OR</u> ed effluent li nt Quality B				
	33112										
								/			

Mod	2 Part IX: Variances	
Α.	Is a variance from effluent limitation	ns requested?
	No Yes	
		tions, Title 47, Series 30, Section 4.5.F or 4.5.G
	ir res, compry with the DES regula	norts, Title 47, Genes 30, Gection 4.3.1 or 4.3.3.
Mod	3 Part I: Operations In Same Sear	n
A.		p mines (active, inactive or abandoned) in the same seam and within one
, ··	thousand feet (1,000ft) horizontall	
		or the proposed reality.
	No (Go to "Part II")	
	O Yes (Without Deep Mine)	
	O Yes (With Deep Mine)	
	If Yes, with Deep Mine, complete '	Module 5".
	, , , , , ,	
1.	Does the existing mine(s) have a	discharge or pooled water that can be collected for analysis?
	No ○ Yes	
	If Yes, see "Part III" of this module	for analysis requirements.
		· · · · · · · · · · · · · · · · · · ·
Mod	3 Part II: Operations Above or Be	
Α.		above or below the proposed facility and within one thousand (1,000) feet
	horizontally?	
	○ No (Go to Part "III")	
	Yes	
	If Yes, complete "Module 5".	
1.		narges from these deep mines, free flowing or pumped?
	O No O Yes	
	If Yes, see "Part III" of this module	for analysis requirements.
		14. (A) .
	3 Part III: Adjacent Operation's R	
A.		of the raw water from each mine in "Part I & II" above for the parameters listed
		point in Module 1 Part IV and label the analysis accordingly.
	□ N/A	
	Analytas	
	Analytes: Flow (cfs)	pH (Standard Units)
	Total Iron (mg/l)	Total Manganese (mg/l)
	Total flor (fligh) Total Aluminum (mg/l)	Dissolved Aluminum (mg/l)
	Acidity (mg/l) as CaCO ₃	Alkalinity (mg/l) as CaCO ₃
	Sulfates (mg/l) as SO ₄	, intaining (mg/) as saces
	-	
		Table 3-III-A
SITE	<u>:</u>	
	lumber: MD-5	Active: No 🕶
1		
	. Geologic Survey Seam Name:	Redstone and/or Pittsburgh
SITE		
ID N	lumber: MD-6	Active: No ❖
U. s	. Geologic Survey Seam Name:	Redstone and/or Pittsburgh
SITE		<u> </u>
	 lumber: MD-8	Active: No 🕶
	. Geologic Survey Seam Name:	Redstone and/or Pittsburgh
SITE	<u></u>	
ID N	lumber: MD-17	Active: No 🗸
	. Geologic Survey Seam Name:	Redstone and/or Pittsburgh
	-	Trodocorio dilatori i illobulgii
SITE		A -e · N. · ·
	lumber: MD-25	Active: No V
IU S	Geologic Survey Seam Name:	Redstone and/or Pittsburgh

Mod 3 Part IV: Water Supplies

۹.	Provide the location & ownership of all known private water supply intakes that withdraw water from receiving stream(s) for human consumption located within five (5) miles downstream of the permit's discharge points. If none exist within five (5) miles, identify the closest downstream intake beyond the five (5) mile distance. If you list any public intakes , you need to provide the information in hardcopy to comply with Homeland Security and indicate the
	hardcopy submittal below.
	None exist

Mod 3 Part V: Ground Water

Α.	parameters listed below. Locate and accordingly.	s or wells within one thousand feet (1,000ft) of the proposed facility for the label all these sampling points in Module 1 Part IV and label the analysis
	N/A Analytes: pH (Standard Units) Total Manganese (mg/l) Dissolved Aluminum (mg/l) Alkalinity (mg/l) as CaCO ₃	Total Iron (mg/l) Total Aluminum (mg/l) Acidity (mg/l) as CaCO ₃ Sulfates (mg/l) as SO ₄

			Tabl	e 3-V-A		
<u>SITE:</u>						
Number:	GW-4					
Latitude:	39	05 ' 59	"	Longitude: 80	° 09 ' 31	" 🦪
Elevation:	1470					
Geospatial l	Method:	Digital/Manual Inte	rpolation from a m	ap 🗸	Datum: NAD27 ➤	

Mod 3 Part VI: Aquifer Uses

A. Describe the present use of water in the aquifers and the water table within one thousand feet (1000ft) of the perimeter of the proposed facility.

There are no known users of the water table within 1,000 feet of the perimeter of the

There are no known users of the water table within 1,000 feet of the perimeter of the proposed refuse facility.

Mod 4 Part I: Mined / Processed Mineral Beds

A. In the table below, show the sulfur properties of all mineral bed(s) (coal seam) and/or the refuse/waste produced (*if applicable*) for each bed/seam that will be mined / processed at this facility. Indicate if analysis is raw material or refuse/waste.

U.S. Geologic Survey Mineral	Raw /	Pyrite	Organic	Sulfate	Total	
Bed/Coal Seam Name	Refuse	(%)	(%)	(%)	(%)	
Kittanning - LwrAllegheny	Refuse 🗸	2.788	0.548	0.024	3.36	
Kittanning - LwrAllegheny	Refuse 🗸	1.074	0.299	0.047	1.42	

Mod 4 Part II: Acid - Base Analysis

A. Provide an acid-base regarding of the facilit multiple sites used inc	y to include the	strata below the I				
See Waiver Red	quest <i>(If overbu</i>	ırden analysis wai	ver is requested)			
The analysis is to incl	ude but not limi	ted to the following	g:			
Paste pH			Total Sulfur (%)			
Pyritic Sulfur (%)			Acidity Potentia			
Neutralize Potential '	•		Net Excess or D			
Fizz Rate **			Color ***			
* Units in tons of Ca ** Units: 0-None *** Munsell Color Ch	1-Slight 2-Mo	per 1000 tons of derate 3-Strong	material			
Company Name:	lorth Central Re	esources, LLC				
· · ·	Coal Refuse Fac					
Sampling Point Identification		Sink from NCR-				
Laboratory Name:		Standard Labora				
		Januara Labora	2.01100, 1110.			
		Table	4-II-A			
Sample ID Number:		NCR Core Comp	osites-coarse			
Mineral Bed / Coal Seam:		Kittanning - Lwr	Allegheny	~	l	
Elevation Top of Stratum (ft/	msl):	N/A	Unit Th	ickness (feet)	: N/A	
Paste pH:		7.30	To	otal Sulfur (%)	: 3.36	
Pyritic Sulfur (%):		2.788	Ac	idify Potential	: 87.126	
Neutralize Potential:		24.628	Net Excess	or Deficiency	: -62.498	
Fizz Rate:		None 🗸		Color	: Black	
Sample ID Number:		NCR Core Comp	osites-fines			
Mineral Bed / Coal Seam:		Kittanning - Lwr	Allegheny	~		
Elevation Top of Stratum (ft/	msl):	N/A	Unit Th	ickness (feet)	: N/A	
Paste pH:		7.40	To	otal Sulfur (%)	1.42	
Pyritic Sulfur (%):		1.074	Ac	idify Potential	: 33.562	
Neutralize Potential:		33.504	Net Excess	or Deficiency	: -0.058	
Fizz Rate:		None 🗸		Color	Black	
Mod 4 Part III: Amendment A. Include a narrative de			erials not produced	by this facility	ı (such as Coal Ash).
Sewage Sludge, Kiln at a minimum: (1) its suse(s), (4) the rates a that could result from	Dust, etc.) that source, (2) the one of the one of the one of the one of the other othe	are to be used by, chemical breakdov	or disposed of, at t wn and properties o	his facility. The f the material,	ne narrative should (3) the purpose of	addres its
See Attachment O-8						
B. Is any material in "Par No Yes If Yes, complete Modu		sposed of in under	ground works?			
Mod 5 Part I: Barriers		104 pt 104 ct				
A. Does any portion of the If Yes, show underlying No	ng deep mine ir			deformation of	ot an underlying dee	ep mine
If Yes, see 🌘 "N	/lodule 1-VI-A"	\circ	"Module 8-II-A"			

В.	Are there any mining operations (act (intermittent or perennial) within the NA No Yes If Yes, see Module 8-II-A"					
C.	Are there any deep mines (active or impounded water? No Yes If Yes, complete table below.	abandoned	d) above, adjacent	to or below the pr	roposed operation	n that contain
	Mines Name or ID Number		Approximate Elevation	Unknown	Partially Inundated	Totally Inund
dstor	ne		1410	-	Х	-
D.	What effects will subsidence have or and B" above? Describe the parting underlying mining. (If none justify the N/A	s/barrier be	etween the propose	ed operation and	any adjacent, ove	erlying and
E.	Show calculations of barrier design to maximum and minimum head and bathe barrier. (Show barriers on "Mod N/A	arrier thick	ness, strength prop			
	Based on the information provided all or deep mine operations? If "Yes", d final discharge quality. No Yes					
Mod	6 Part I: Facility Operations					
Α.	Mark all types of operations propose ☐ Coal Washing/Cleaning ☐ Raw Coal Stockpile ☐ Truck Loadout ☐ Barge Loadout ☑ Refuse Amendments Added ☐ Underground Injection ☐ Laboratory / Test Facility	Ble Cle Rai Slu Ref Coa	cluded at this facility nding Coals an Coal Stockpile I Loadout rry Disposal Lines use Disposal Area al Ash Disposal er (Specify):	Sizing Tempo Clean Refuse Recyc	iate categories) (Crushing/Scree brary Refuse Stoc Coal Conveyed (e Conveyed Off S ling Old Refuse F Sludge Disposal	ckpile Off Site Site
Mod A.	Provide names, composition and qua media or other material used in the complex of the composition and quality of the complex o	antities of colleaning or flocculants, ter suspens	refuse circuits: heavy media and sion as the heavy n	antifreeze must b		·
В.	Are there emergency containment st and dedicate solely for that purpose? Yes No If No, justify why less volume is designed in the purpose of the purpose.	ructure(s) : ? gned.	able to hold 110% o		nt's designed tota	al slurry volum

С.	Is thermal drying practiced or proposed at this facility?
	No Yes
	If Yes, describe the handling and disposal of the coal ash generated by it.
	6 Part III: Plot Plan & Flow Diagram
١.	Include a Plot Plan of the operations in "Part I & II" showing:
	(This can be included on the "Module 1 Part VI-A" map if all information required can <u>clearly</u> be shown)
	1. Location of the different units such as crusher house, cleaning units, thickeners, dryers, coal piles (raw &
	clean), pressure/vacuum filters, temporary refuse piles, slurry lines, haulroad, etc.
	2. Location of any testing facilities or labs
	Location of all water sprays for dust and/or truck washes
	4. Location of all treatment ponds, dams, sediment ditches, treatment plan, intake water, etc.
	5. Location of all structures used to channel effluent (berms, ditches, culverts, etc.)
	6. Designed flow directions using contour lines and/or flow arrows.
	See Drawing No. B11-583-M1
3.	Provide a flow diagram of the operations in "Parts I & II" showing the following:
	1. Each unit such as belts (coal & refuse), sprays, screens, crusher, coarse & fine cleaning units, thickeners,
	filters, dryers, intake water sources, water & slurry lines, water tanks, etc.
	Designed capacity of each unit and final product in tons per hour (TPH)
	3. Water flow to and from each unit in gallons per minute (GPM)
	4. Seasonal flow variation of the intake water source, and the amount to be used by the facility.
	See Drawing No. B11-583-A6
	6 Part IV: Maintenance & Disposal
١.	Will materials other than those produced by this facility be disposed of at this facility (Coal ash, etc.)?
	No Yes
	If Yes, complete "Module 4".
3.	Will there be underground workings below any area of disposal?
	No (a) Yes
	If Yes, complete "Module 5".
:.	Will there be underground workings used for disposal at this facility?
	No Yes
	If Yes, complete "Module 10".
	Will slurry lines be used to transport materials produced by this facility or that will be disposed of at this facility
	(slurry, sludge, coal ash, etc.)?
	O No Yes
	If Yes, describe the maintenance and monitoring procedures for slurry lines.
	The english of allowed line englished the allowed call contemple of will be broken
	The section of siurry line outside the siurry cell watersned will be duried.
	The section of slurry line outside the slurry cell watershed will be buried.
	Addresses the materials used or encountered in operations involving dust control, routine washdown/maintenance
<u> </u>	Addresses the materials used or encountered in operations involving dust control, routine washdown/maintenance and pretreatment of transportation equipment. Describe the materials, when, where and how they are used, plus
•	Addresses the materials used or encountered in operations involving dust control, routine washdown/maintenance
	Addresses the materials used or encountered in operations involving dust control, routine washdown/maintenance and pretreatment of transportation equipment. Describe the materials, when, where and how they are used, plus
·	Addresses the materials used or encountered in operations involving dust control, routine washdown/maintenance and pretreatment of transportation equipment. Describe the materials, when, where and how they are used, plus their handling and disposal.
	Addresses the materials used or encountered in operations involving dust control, routine washdown/maintenance and pretreatment of transportation equipment. Describe the materials, when, where and how they are used, plus their handling and disposal.
	Addresses the materials used or encountered in operations involving dust control, routine washdown/maintenance and pretreatment of transportation equipment. Describe the materials, when, where and how they are used, plus their handling and disposal. Dust will be controlled by using water. No washdown proposed at this facility.
lod	Addresses the materials used or encountered in operations involving dust control, routine washdown/maintenance and pretreatment of transportation equipment. Describe the materials, when, where and how they are used, plus their handling and disposal. Dust will be controlled by using water. No washdown proposed at this facility. 7 Part I: Physical Treatment
lod	Addresses the materials used or encountered in operations involving dust control, routine washdown/maintenanc and pretreatment of transportation equipment. Describe the materials, when, where and how they are used, plus their handling and disposal. Dust will be controlled by using water. No washdown proposed at this facility. 7 Part I: Physical Treatment Provide construction specifications, calculations and drawings of each physical treatment unit including all
lod.	Addresses the materials used or encountered in operations involving dust control, routine washdown/maintenanc and pretreatment of transportation equipment. Describe the materials, when, where and how they are used, plus their handling and disposal. Dust will be controlled by using water. No washdown proposed at this facility. 7 Part I: Physical Treatment Provide construction specifications, calculations and drawings of each physical treatment unit including all dimensions, cross sections, profile, plan view, flow calculations, entrance and exit design, pool elevation,
lod	Addresses the materials used or encountered in operations involving dust control, routine washdown/maintenanc and pretreatment of transportation equipment. Describe the materials, when, where and how they are used, plus their handling and disposal. Dust will be controlled by using water. No washdown proposed at this facility. 7 Part I: Physical Treatment Provide construction specifications, calculations and drawings of each physical treatment unit including all

Mod 7 Part II: Chemical Treatment

A.	Based on information provided in "Modules 2, 3 & 4", the geologic history of the facility site, will additional treatment (other than physical) of the effluent be necessary to meet the effluent limits? (This includes but is not limited to chemical reagents, passive treatment, biological treatment, sewage treatment etc.) No (go to "C") Yes or Possibly
B.	 Submit drawings with explanation of the proposed additional treatment system(s). The following information shall be included: Types of reagents to be used; Types of dispenser, contact unit or median to be used. If commercial unit, indicate make, model; Type of aeration and/or mixing system; Construction specifications including sizes, dimensions, designed flows, maintenance and treated sludge removal and disposal; Description of how the treatment system will be protected against floods, power failure, vandalism; and a contingency plan should protection fail; Explanation and illustration of how the additional treatment system will be used in conjunction with the proposed physical treatment; Demonstration that the design of the additional treatment combined with the physical treatment is adequate to meet the limits prescribed by state and federal laws; Describe the effluent quality capable of being achieved from the disposal system with respect to pH, total iron, total manganese, acidity, alkalinity, aluminum, and total suspended solids, BOD, COD, TOC, and unionized ammonia;
	9. If sewage treatment system is to be used complete "Module 9" with this application. N/A
C.	If no chemical treatment is being planned, what action will be taken if any unexpected pollution problems should arise during the operation of this permit? (Include immediate actions and remedial measures that will be taken to prevent further pollution.) N/A
Mod 8	B Part I: General Abandonment Information
Α.	This module is being submitted for compliance with: Plan for Abandonment. (All NPDES Permits) 47CSR30 Section 4.5.2.k The information required in a plan for abandonment pursuant to section 4.5.4 of these regulations. Permit to Abandon. (WVSCMRA Permits) 47CSR30 Section 4.4.2 Any person proposing to abandon a deep mine facility under W.Va. Code § 20-5A-5(b)(6) [now § 22-11-8(b) (6)] and Section 3.1.1.e of these regulations shall apply for an abandonment permit at least one hundred and eighty (180) days prior to the sealing of the deep mine. Any person proposing to abandon a surface mine facility under W. Va. Code § 20-5A-5(b)(6) [now § 22-11-8(b)(6)] and Section 3.1.1.e of these regulations shall apply for an abandonment permit with a request for Phase II bond release under WVSCMRA. (See instruction for "remining" sites) Permit to Abandon. (Non WVSCMRA Permits) Any person proposing to abandon a surface facility under W.Va. Code § 20-5A-5(b)(6) [now § 22-11-8(b)(6)] and Section 3.1.1.e of these regulation, that is not regulated under WVSCMRA, shall apply for an abandonment permit at least one hundred and eighty (180) days prior to the removal of the last point source discharge (outlet).
B.	Does the facility involve only surface operations (surface mines, preparation plants, loadouts, etc.)? No Part III.

Mod 8 Part III: Surface Operation Abandonment

- A. Provide a description of how the operation will be conducted, backfilled, regarded and revegetated to eliminate or minimize any adverse effects on hydrological regime. Include information and drawings required to adequately support the plan. At a minimum include the following:
 - 1. Provide a plan for removing, burying, blending, segregating, and/or treating acid/toxic material encountered in the operation.
 - Include ample cross-section (to scale) to represent the area distributed by the operation depicting the surface configuration <u>prior to</u> operations, <u>during</u> operation and <u>at abandonment</u>. The cross-sections shall be shown on the "Plot Plan" and identify (at a minimum) (a) All materials requiring special handling (iron or acid producing materials etc); (b) Regarding and topsoiling material storage or borrow areas; (c) Limits of proposed disturbed areas.
 - B. Provide a plot plan (to scale) showing regraded drainage pattern and all treatment structures.

An alkaline amendment will be used on the coal refuse. As each 50-foot lift, bench to bench, is completed the slope will be covered with soil, seeded and

-
•

Mod 14 Part I: Inventory of Manmade Potential Contaminants

- Provide listing all manmade potential contaminants at your facility. At a minimum, be sure to include all of the activities such as; distribution, loading and bulk facilities, drums, tanks, areas used for maintenance and/or cleaning of equipment, preparation plant, material handling and storage areas to include piping, ditching and pumping of material. For each area/site potential contaminants are found include the following information:
 - 1. Give a brief description of the potential contaminant with location (Ex: Stockton bench portable diesel tank; or Heating oil tank for office building; etc).
 - 2. The specific type of potential contaminant (Ex: Diesel Fuel, Sodium Hydroxide),
 - 3. The type of container or storage system used at this site and it's size (*Ex: single wall steel tank on skids 750 gal; or 5 to 10 steel drums 55 gal*),
 - 4. The existing protective controls for the contaminant at that site (Ex: 110 cu ft of secondary containment by earthen dike lined with clay, containment barrels with oil absorbent materials for minor spills during during fueling),
 - 5. Any proposed protective controls with a projected installation date (Ex: A secondary containment of 114 cu ft consisting of a concrete pad with block walls, sealed against leakage, is to be installed by August 1, 1997.)

No man-made potential contaminates will be stored on site. They will be stored on an adjacent permit.

	Potential Groundwater Contaminant Sources and Control	s	
Identification Number:	NA		
Item Description:	NA		
Material:	NA		
Container Type:	NA		
Existing Controls:	NA		
Proposed Controls:	NA		

Mod 14 Part II: Spill Response Plan

- Provide a plan that will be followed when a leak or spill of a potential contaminant is detected at the facility. At a minimum provide the following:
 - 1. The types of immediate action that will be taken by the person finding the leak/spill to prevent further contamination. (immediate actions taken, materials used, procedures followed, persons contacted, etc.),
 - 2. Location and title/name of the person (*spill coordinator*) that is responsible for insuring the GPP is followed and to whom all leaks/spills are reported. (*use position not name, i.e. foreman, superintendent*),
 - 3. The procedures that the spill coordinator will follow when contacted about a leak/spill. (give procedures for each type of potential contaminant at the facility, by size of the leak/spill),
 - 4. The actions that will be taken should the spill be beyond the capability of the site personnel. (provide who will be contacted in the case of such a situation and provide options to be taken),
 - 5. The disposal of the contaminated materials collected from leaks/spills during routine maintenance of the GPP. (if by private contractor give name and address of company or method by which contract is let).

See A	Attac	hment	: 14-	II-A
-------	-------	-------	-------	------

Mod 14 Part III: Training and Inspections

			·	
Α.		lures and schedules for initial and r ir involvement and the requirement		nployees, contract workers and site visitor se Plan" for the site.
		n of the facility, the facility's employ		
	regarding the p	prevention of groundwater contami	nation and will receive	annual
Ь	Dravide presed	luna faminana atiana (min ayam, 6)		
B.		rotection Plan are in place and in g		naintenance operations to insure the
		six months, the facility's spill coordi		
	designated by	the spill coordinator, shall conduct	an inspection of the fa	acility to
Mod 1	14 Part IV: Mani	:4: \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\		
A.	14 Part IV: Moni			ed to monitor the GPP. List the latitude ar
Α.		e and number each groundwater mo e nearest second), the water surface		
	□ N/A	e nearest secondy, the water surface	ce and bottom elevation	on or each station.
	IN/A			
		Mor	nitoring Wells	
Statio	n Type:	Well	Station Number:	GW-4
	,,	39 ° 05 ' 59	٦	
Latitu	de:	" [00] [05	─ Longitude:	80 ° 09 ' 31 " 👩
Eleva	tion Surface:	1470	Elevation Bottom:	-
Geos	patial Method:	Digital/Manual Interpolation from	a map 🔻 Da	atum: NAD27 🕶
		<u>amination and Monitoring Wells l</u>		
A.				rt IV" above. Identify each on the map
				toring well. The map shall be of the same
		•	arly show each site. (<i>i</i>	rubber tired mobile tanks may be addresse
	•	e map, see instructions)		
	See "Modu	1-VI"		

Advertisement: NPDES Issuance Advertisement

ADVERTISEMENT (MR-34-B)	
Notice is hereby given that NORTH CENTRAL RESOURCES, LLC 200 CHAPEL BROOK	
26330 has submitted an application for the issuance of Article 11/WVNPDES Permit Number	
Department of Environmental Protection, 47 School Street, Suite 301, Philippi, WV 26416-115	<u>50</u> in order to
construct and operate a coal refuse facility and associated structures.	
	1
//	in the
Lower Kittanning	
	seam/mineral bed. The
operation will discharge <a> Treated water , <a> Untreated water , <a> Storm water into	
unnamed tributary of Big Run of Buckhannon River; unnamed tributary of/and Indian Fork of]
Elk Creek, unnamed tributary of Left Branch of Gnatty Creek of Gnatty Creek of Elk Creek of	
West Fork River	
	of West Fork River and
is located2.8 (miles), northwest of Volga	_ , in
Union District(s) of	
Barbour County(ies), Longitude 80	_ ° <u>09</u> ' <u>11</u>
" and Latitude 39 ° 06 ' 52 " (Coordinates from USGS Topographic Ma	p).
The Department of Environmental Protection is seeking information on private surface wat	
consumption located in the above listed receiving streams and located down stream of this op	
your name, phone number, mailing address, the name of the stream being with the intake, and	I the physical location of
the intake. This information needs to be submitted to the address above. An anti-degradation review has been conducted. Tier 1 protection is afforded because effl	uent limitations ensure
compliance with water quality criteria for all designated uses. Tier 2 protection is also afforded	
made a determination that the discharge(s) will not cause significant degradation to the receiv	
parameters of concern.	, ,
Comments on the Article 11 WV/NPDES application or requests for a public hearing regard	ding the Article 11/NPDES
application shall be in writing and if a public hearing is requested shall state the nature of the i	
raised in the hearing. Such written comments or requests should be sent to the Department o (DEP) at the address above, and <u>must</u> also reference the Article 11/NPDES permit number sh	
received by	
11/WVNPDES application, draft permit and fact sheet (if required) will be available for inspectiduring normal business hours at the DEP Regional Office located at the address above.	on and obtaining copies
DEP Telephone No. 304-457-3219 Article 11/NPDES Permit No. WV102	7018
Atticle 17/11 DE31 etflit 110. VVV 102	<u>7010</u>
LOCATION MAP	
Each ad must include a clear and accurate location map of a scale and detail found in the W	
Highway Map. The map size must be at a minimum four (4) inches by four (4) inches with the	ie following shown on the
map: 1. Clearly define the approximate limits of the proposed permit area.	
 Clearly define the approximate limits of the proposed permit area. Longitude and latitude lines must cross at or near the center of the proposed permit are 	29
3. A north arrow must be shown.	м.
4. A map to scale.	

- 5. District(s).
- 6. County(ies).
- 7. Associated SMCRA Application/Permit Number(s)

eMaps: Maps and eMap Data Section

This section is to attach, where appropriate, the proposal, drainage, and subsidence control maps along with the eMap. Click the 'Attachments' button at the top right.

The eMap file is used by WVDEP to update the GIS database. It will prevent errors in representing the applicant's permit features that arise from manually georeferencing and digitizing scanned images of permit maps. It also will reduce misrepresentation due to data being out of date.

- 1. This file should contain a subset of features found on proposal/drainage and subsidence control plan maps.
- 2. A file is only required for actions that also require a proposal/drainage map, renewal/progress map, final map, or subsidence control plan map.
- 3. Applicants should use the available CAD templates for DWG files, or follow instructions for creating shapefiles or a personal geodatabase.

The eMap file for this application should conform to the WVDEP eMap standards as defined at the following location:
eMap Standards Requirements
WVDEP eMap AutoCAD Templates are available at the following locations:
Template files for North Zone Template files for South Zone
A free dwg file viewer can be downloaded from the following location: (Click the "Download Now" button)
Free Autodesk DWG viewer
For any questions about the eMap file or standards, please contact:
Nick Schaer (Email: Nick.A.Schaer@wv.gov (mailto:Nick.A.Schaer@wv.gov) Phone: 304-926-0499 ext 1510) Mike Shank (Email: Michael.C.Shank@wv.gov (mailto:Michael.C.Shank@wv.gov) Phone: 304-926-0499 ext 1620)

Applicant Certification

Kevin J. Bealko	President
(Name of Official)	(Title of Official)
-	Series 30, Section 4.7.1)day of,,
ubscribed and sworn before me this	· · · · · · · · · · · · · · · · · · ·
(Signature in accordance with Title 47, which was a subscribed and sworn before me this subscribed and	· · · · · · · · · · · · · · · · · · ·
ubscribed and sworn before me this	· · · · · · · · · · · · · · · · · · ·

Applicant GPP Certification

ćevin J. Bealko	President	
Name of Official)	(Title of Official)	
Signature in accordance with Title 47, Serie	es 30, Section 4.7.1)	
scribed and sworn before me this	day of,,,	·
ly commission expires:		
Signature of Notary Public)	(Sea.	')