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|-----------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|
|  | <b>Applicant: NORTH CENTRAL RESOURCES, LLC</b><br><b>Reference ID: Wash Run Coal Refuse Slurry</b><br><b>Impoundment (B11-584-1800 wmb) (05/24/2012)</b><br><b>Status: ERIS - Closed - Issued</b> | <b>Type: New</b><br><b>Application, NPDES</b><br><b>#1</b><br><b>Permit ID:</b><br><b>WV1027093</b><br><b>Printed: Oct. 27,</b><br><b>2020 10:11 AM</b> |
|-----------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|

### **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)

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

| <u>COLUMN 1</u>                                                                              | <u>COLUMN 2</u>      |
|----------------------------------------------------------------------------------------------|----------------------|
| (Application Activity)                                                                       | (Required Modules)   |
| A. 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:

WVDEP Region:    
 Date(s) Submitted:

**Type of Permitting Action(s) Requested** (Mark all that apply and enter appropriate numbers in the spaces provided)

New
  Reissue # 
 Transfer # 
 Modification #

(If a transfer is included with reissuance enter reissuance # and the transfer #)


Is socioeconomic justification included with this application?  Yes  No

Required reissuance filing date:   (120 days prior to expiration date)


**USGS/SCS Hydrologic Region(s) Receiving Effluent.**

Major Watershed:   Code:   
 Minor Watershed:  Code:  Group:   
 Stream Uses:

**Coordinate Information:**

Latitude:  °  '  " Longitude:  °  '  "   
 Geospatial Method:  Datum:

Application Filing Fee

(Coal)  New or Reissuance  Modification  
 (Non-Coal) Annual Fees Paid:    
 (Non-Coal previously under General Permit)

**Fee Schedule Worksheet for Non-Coal**

|                                                                             | County                        | Annual Rainfall (ft./yr.)     |
|-----------------------------------------------------------------------------|-------------------------------|-------------------------------|
|                                                                             | <input type="text" value=""/> | <input type="text" value=""/> |
|                                                                             | <input type="text" value=""/> | <input type="text" value=""/> |
| Drainage Area (acres)                                                       | <input type="text" value=""/> | <input type="text" value=""/> |
| Runoff Coefficient                                                          | <input type="text" value=""/> | <input type="text" value=""/> |
| Annual Discharge Volume for Stormwater Runoff (gal./day)                    | <input type="text" value=""/> | <input type="text" value=""/> |
| Total Discharge Volume from Outlets other than Stormwater Runoff (gal./day) | <input type="text" value=""/> | <input type="text" value=""/> |
| Total Discharge Volume Fee                                                  | <input type="text" value=""/> | <input type="text" value=""/> |
| Facility Factor                                                             | <input type="text" value=""/> | <input type="text" value=""/> |
|                                                                             | <input type="text" value=""/> | <input type="text" value=""/> |

Application Filing Fee

**Mod 1 Part I: Applicant Owner (Operator) Information**

A. New Address?  Yes

Applicant Name:   
 Street:   
 City:   
 Country:  State:   
 Zip:  Phone:

B. Category of applicant: (Check appropriate category; if "other" specify type)

Federal  State  Private  Public  Other

**Mod 1 Part II: Facility Information**

**A. Facility Information**

Facility Name: North Central Resources No. 1 Refuse Impoundment

Street: 200 Chapel Brook Drive

City: Bridgeport

Country: United States of America State: West Virginia

Zip: 26330 Phone: 304-842-8000

County: \* Barbour  
Berkeley  
Boone

Physical Location of Facility (driving instructions - no GPS coordinates):  
From Volga (Route 11) travel north to Route 119, travel west on Route 119, approximately 1.5 miles to Route 34, travel north on Route 34 approximately

Nearest P.O.: Volga

Contact Name: Kevin J. Bealko

Contact Title: President

Contact Phone: 304-842-8000

**\* To select multiple, hold down Ctrl key while making selections.**

**B. The facility and discharges therefrom fall under the selected category below:**

New Source - Facility covered under 40 CFR Part 434, including an abandoned mine for which remining commenced after September 19, 1977 or which is determined to constitute a major alteration. (See Title 47, Series 30, Section 2.29.)

Existing Source - A coal mine, preparation plan, and all refuse or waste there from: (a) from where there is or may be a discharge or pollutants which commenced prior to September 19, 1977; and (b) which is not a new source. (See Title 47, Series 30, Section 2.20.)

**C. In the table below show the type of permitting action being requested and the type(s) of operations to be covered in this application. Check each operation in the appropriate category column.**

**Permitting Action Requested:** (Mark the one that applies)

Issue New Permit  Reissue Permit

**Operations Covered** (select all that apply, contact local DEP office if additional options are needed):

| Action: | Activity:   | Operate:                            | Remine:                  | Abandon:                 |
|---------|-------------|-------------------------------------|--------------------------|--------------------------|
| New     | Refuse Area | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

**D. Mark all activities below that this application is requesting coverage for.**

Sewage Treatment  Chemical Treatment  Underground Disposal System

Physical Treatment  Passive Treatment  Remining [under CWA Sec.301(p)]

Ash Utilization  Other (describe activity) stormwater

**Mod 1 Part III: Reissuance of Existing Permits**

**A.** Provide a narrative describing all permitting actions taken since the last issuance of this permit up to and including this reissuance application. Briefly describe each modification or transfer request submitted (by number) and the date they were approved, withdrawn, or denied (to include any changes requested in this application).

N/A

**Mod 1 Part IV: SIC Code**

A. 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 multiple, hold down Ctrl key while making selections.**

**Mod 1 Part V: Environmental Permits and Applications**

A. List the following information for all existing environmental permits for this facility.  
*\*(If effluent from this facility is treated under another NPDES permit indicate as Off-Site Treatment)*

| Action                        | Office                                 | Issuing Agency and Address:                                  |                  |                                     |                          | Off-Site Treatment* |
|-------------------------------|----------------------------------------|--------------------------------------------------------------|------------------|-------------------------------------|--------------------------|---------------------|
| Type of Permit:               | Permit or ID Number:                   | Date Issued:                                                 | Expiration Date: |                                     |                          |                     |
| <input type="checkbox"/> HPU  | <input type="checkbox"/> NPDES Art. 11 | WV DEP Division of Water and Waste Management (HPU)<br>N/A   | N/A              | <input checked="" type="checkbox"/> | <input type="checkbox"/> |                     |
| <input type="checkbox"/> OWR  | <input type="checkbox"/> UIC           | WV DEP Division of Water and Waste Management (Water)<br>N/A | N/A              | <input checked="" type="checkbox"/> | <input type="checkbox"/> |                     |
| <input type="checkbox"/> OWMS | <input type="checkbox"/>               | WV DEP Division of Water and Waste Management (Waste)<br>N/A | N/A              | <input checked="" type="checkbox"/> | <input type="checkbox"/> |                     |
| <input type="checkbox"/> OAQ  | <input type="checkbox"/> Article 5     | WV DEP Division of Air Quality<br>N/A                        | N/A              | <input checked="" type="checkbox"/> | <input type="checkbox"/> |                     |
| <input type="checkbox"/> DHHR | <input type="checkbox"/> Sewage        | WV Health Department<br>N/A                                  | N/A              | <input checked="" type="checkbox"/> | <input type="checkbox"/> |                     |
| <input type="checkbox"/> Land | <input type="checkbox"/>               | WV Public Land Corporation<br>N/A                            | N/A              | <input checked="" type="checkbox"/> | <input type="checkbox"/> |                     |
| <input type="checkbox"/> Corp | <input type="checkbox"/>               | US Army Corps of Engineers<br>N/A                            | N/A              | <input checked="" type="checkbox"/> | <input type="checkbox"/> |                     |
| <input type="checkbox"/> OMR  | <input type="checkbox"/> Article 4     | WV DEP Division of Mining and Reclamation<br>N/A             | N/A              | <input checked="" type="checkbox"/> | <input type="checkbox"/> |                     |
| <input type="checkbox"/> OMR  | <input type="checkbox"/> SMCRA Art. 3  | WV DEP Division of Mining and Reclamation (list all)<br>N/A  | N/A              | <input checked="" type="checkbox"/> | <input type="checkbox"/> |                     |

B. Indicate any pending applications for this facility.

**Pending Applications**

Office:

Permit Number:  Application Type:  Sequence Id:

Applicant:

Facility Name:

Regional Office:

**Mod 1 Part VI: Map**

- A. A topographic map drawn to a reasonable scale and extending at least one thousand feet (1,000') beyond the limits of the facility that identifies and/or shows:

*(Read and follow all instructions concerning map requirements and preparation)*

1. Limits of each and every operation (*permit*) to be covered, and adjacent operations.
2. All physical (*sediment control*), chemical, sewage, biological and passive treatment systems.
3. All intake or discharge points and any internal, ground water or in-stream monitoring stations.
4. All streams, creeks, rivers, lakes, or other surface bodies of water.
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.
7. Delineate all wellhead protection areas.
8. Delineate all wetlands known to be affected by this facility.
9. Legend, title block, location map and North arrow.
10. If Module 14 is included in this application, then locate all items shown in "14-I-A" of the Groundwater Protection Plan (GPP) on the map and label them by the ID shown in that table.

See Drawing No. B11-584-M1

### **Mod 1 Part VII: Transfers and Additional Responsibilities**

- A. If proposing 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.
 

No       Yes       N/A (*previously submitted*)

If Yes, complete Module 1R.
2. To transfer the Groundwater Protection Plan.
 

No       Yes

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

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

**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 all 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 discrepancies 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 discrepancies 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. **Action:** 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. **Inspectable Unit Code:** 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. **Inspectable Unit Type:** 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. **Inspectable Unit Sub-Type:** 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. **Outlet Sub-Type:** Choose the option that best describes the type of outlet. This is only required when the 'Inspectable Unit Type is Outlet'.
  6. **Latitude:** Enter the coordinates in degrees, minutes and seconds.
  7. **Longitude:** Enter the coordinates in degrees, minutes and seconds.
  8. **Elevation (Surface):** 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).
  10. **Geospatial Method:** Method used to obtain the longitude and latitude. There is a drop down to choose the correct method used.
  11. **Datum:** The map datum used for the coordinates. There is a drop down to choose the correct datum.
  12. **Major Watershed:** 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. **Minor Watershed:** The 'Minor Watershed' dropdown is populated based on the choice made under the 'Major Watershed'.
  14. **WVDNR Receiving Stream Code:** Enter the WVDNR Code for the receiving stream. Click the search Icon and you will be taken to a window that has a drop down for the Major Tributary, choose the Major Tributary and then select the Minor Tributary from the drop down list. Once those two choices are made you are given the Stream Codes for the Minor Tributary, select the correct Stream Code. If no code exists for the immediate receiving stream, if an unnamed tributary, then use code for the receiving stream of the unnamed tributary.
  15. **UT:** 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. **Receiving Stream Name:** The receiving stream name will be entered automatically from the choices made under the WVDNR Receiving Stream Code.
  17. **Stream Lineage Narrative:** 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.

A. If this Permit has **NO** outlets, click here.  No Outlets

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

| Table 2-I-A                                                |                                                                        |
|------------------------------------------------------------|------------------------------------------------------------------------|
| Action: <input type="button" value="New"/>                 | Inspectable Unit Code: 001                                             |
| Inspectable Unit Type: Outlet                              |                                                                        |
| Inspectable Unit Sub-Type: Water Quality Based             |                                                                        |
| Outlet Sub-Type: In-Stream Outlet                          | (only selectable with IU Type of Outlet)                               |
| Latitude: 39 05 51                                         | Longitude: 80 08 12                                                    |
| Elevation (Surface): 1430                                  | Elevation (Bottom):                                                    |
| Geospatial Method: Digital/Manual Interpolation from a map | Datum: NAD27                                                           |
| Major Watershed: Tygart Valley River                       | 05020001 Group: B                                                      |
| Minor Watershed: Lower Buckannon River (130)               | 130                                                                    |
| Receiving Stream Name: WASH RN                             | Code: MTB-3-A                                                          |
| Un-named Tributary Number:                                 | Stream Uses: A, B, C, D                                                |
| Major Tributary: MONONGAHELA RV                            | Code: M                                                                |
| Minor Tributary: BUCKHANNON RV                             | Code: MTB                                                              |
| Stream Lineage Narrative:                                  | Wash Run of Big Run of the Buckhannon River of the Tygart Valley River |
| Total Drainage Area: 240                                   |                                                                        |

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

| Table 2-I-A                                                |                                                                        |
|------------------------------------------------------------|------------------------------------------------------------------------|
| Action: <input type="button" value="New"/>                 | Inspectable Unit Code: BAS DWR                                         |
| Inspectable Unit Type: Stream Monitoring                   |                                                                        |
| Inspectable Unit Sub-Type: Down-Stream Bio-Monitoring      |                                                                        |
| Outlet Sub-Type:                                           | (only selectable with IU Type of Outlet)                               |
| Latitude: 39 04 56.84                                      | Longitude: 80 08 12.00                                                 |
| Elevation (Surface): 1413                                  | Elevation (Bottom):                                                    |
| Geospatial Method: Digital/Manual Interpolation from a map | Datum: NAD27                                                           |
| Major Watershed: Tygart Valley River                       | 05020001 Group: B                                                      |
| Minor Watershed: Lower Buckannon River (130)               | 130                                                                    |
| Receiving Stream Name: WASH RN                             | Code: MTB-3-A                                                          |
| Un-named Tributary Number:                                 | Stream Uses: A, B, C, D                                                |
| Major Tributary: MONONGAHELA RV                            | Code: M                                                                |
| Minor Tributary: BUCKHANNON RV                             | Code: MTB                                                              |
| Stream Lineage Narrative:                                  | Wash Run of Big Run of the Buckhannon River of the Tygart Valley River |
| Total Drainage Area:                                       |                                                                        |

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



| Table 2-I-A                                                                                                                                                                |  |                                                                                                                                                                             |  |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| Action: <input style="border: none; background-color: #e0e0e0; padding: 2px 5px;" type="button" value="New"/>                                                              |  | Inspectable Unit Code: <input style="width: 150px;" type="text" value="DWR BWQ-1228-96"/>                                                                                   |  |
| Inspectable Unit Type: <input style="width: 150px;" type="text" value="Stream Monitoring"/>                                                                                |  |                                                                                                                                                                             |  |
| Inspectable Unit Sub-Type: <input style="width: 150px;" type="text" value="Down-Stream Water Chemistry"/>                                                                  |  |                                                                                                                                                                             |  |
| Outlet Sub-Type: <input style="width: 100px;" type="text"/> (only selectable with IU Type of Outlet)                                                                       |  |                                                                                                                                                                             |  |
| Latitude: <input style="width: 30px;" type="text" value="39"/> <input style="width: 30px;" type="text" value="05"/> <input style="width: 30px;" type="text" value="14.1"/> |  | Longitude: <input style="width: 30px;" type="text" value="80"/> <input style="width: 30px;" type="text" value="08"/> <input style="width: 30px;" type="text" value="07.1"/> |  |
| Elevation (Surface): <input style="width: 50px;" type="text" value="1415"/>                                                                                                |  | Elevation (Bottom): <input style="width: 50px;" type="text"/>                                                                                                               |  |
| Geospatial Method: <input style="width: 150px;" type="text" value="Digital/Manual Interpolation from a map"/>                                                              |  | Datum: <input style="width: 50px;" type="text" value="NAD27"/>                                                                                                              |  |
| Major Watershed: <input style="width: 150px;" type="text" value="Tygart Valley River"/>                                                                                    |  | Group: <input style="width: 50px;" type="text" value="05020001"/>                                                                                                           |  |
| <input style="width: 50px;" type="text" value="B"/>                                                                                                                        |  |                                                                                                                                                                             |  |
| Minor Watershed: <input style="width: 150px;" type="text" value="Lower Buckannon River (130)"/>                                                                            |  | <input style="width: 50px;" type="text" value="130"/>                                                                                                                       |  |
| Receiving Stream Name: <input style="width: 150px;" type="text" value="WASH RN"/>                                                                                          |  | Code: <input style="width: 100px;" type="text" value="MTB-3-A"/>                                                                                                            |  |
| Un-named Tributary Number: <input style="width: 50px;" type="text"/>                                                                                                       |  | Stream Uses: <input style="width: 50px;" type="text" value="A, B, C, D"/>                                                                                                   |  |
| Major Tributary: <input style="width: 150px;" type="text" value="MONONGAHELA RV"/>                                                                                         |  | Code: <input style="width: 50px;" type="text" value="M"/>                                                                                                                   |  |
| Minor Tributary: <input style="width: 150px;" type="text" value="BUCKHANNON RV"/>                                                                                          |  | Code: <input style="width: 50px;" type="text" value="MTB"/>                                                                                                                 |  |
| Stream Lineage Narrative: <input style="width: 100%; height: 40px;" type="text" value="Wash Run of Big Run of the Buckhannon River of the Tygart Valley River"/>           |  |                                                                                                                                                                             |  |
| Total Drainage Area: <input style="width: 150px;" type="text"/>                                                                                                            |  |                                                                                                                                                                             |  |

**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 another NPDES Permit, that is receiving effluent from a SMCRA Permit covered by this NPDES Permit, show all 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. B11-584-A6

**Mod 2 Part II - B: Treatment Technologies**

B. In Table 2-II-B, for each outlet or internal monitoring point, provide:

- "Types" (*deep, surface, refuse, prep-plant, loadout, sewage, etc.*) of operations contributing to the effluent of the outlet/monitoring point.
- "Status" (*active, regraded, abandoned*) of the operations contributing to the effluent.
- "Constructed" Indicate if the outlet/monitoring point is constructed or not.
- "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.*)
- "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.
- "Codes" representing the treatments performed on the wastewater. We will also display it's description.
- "Treatment System Name" contributing to the outlet/monitoring point. (*Sed. Ditch 1, Pond 4, anoxic Drain 3, etc.*)

N/A (No outlets - Stormwater only or Beltline permit.)

**Mod 2 Part II - B: Table 2-II-B**

Table 2-II-B (Header)

Outlet Number:

Type:

Status:

Constructed:  Yes  No

Flow (cfs):

Treatment System Name:

Table 2-II-B (Detail)

|                                          |                                                  |  |                                                       |
|------------------------------------------|--------------------------------------------------|--|-------------------------------------------------------|
| Action: <input type="text" value="New"/> | Treatment Code: <input type="text" value="1-U"/> |  | <input type="text" value="Sedimentation (Settling)"/> |
| Action: <input type="text" value="New"/> | Treatment Code: <input type="text" value="1-G"/> |  | <input type="text" value="Flocculation"/>             |

**Mod 2 Part II - C: Intermittent or Seasonal Discharges**

C. Except for storm water runoff, leaks, or spills are any of the discharges described in 2-II-B intermittent or seasonal? (*non-continuous pumped discharges, wet weather springs, etc.*)

No  Yes

If Yes, complete the following table.

| Outlet Number                 | Contributing Operations       | Duration (Hours/Days)         | Frequency (Days/Year)         | Flow (MGal/Year)              |
|-------------------------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|
| <input type="text" value=""/> | <input type="text" value=""/> | <input type="text" value=""/> | <input type="text" value=""/> | <input type="text" value=""/> |

**Mod 2 Part III: Required Compliance**

A. Do any Federal, State or Local authorities require the meeting or any implementation of a schedule for the construction, upgrading or operation of wastewater treatment equipment or practices or any other environmental programs that may affect the discharges described in this application? (*This includes, but is not limited to, permit conditions, compliance schedules, stipulations, court orders, and grant or loan conditions.*) Include any DEP issued orders, compliance schedules, etc. or other requirements in the permit.

No  Yes

If Yes, complete the following table.

|                                    |                                                                                                                      |                                 |
|------------------------------------|----------------------------------------------------------------------------------------------------------------------|---------------------------------|
| Condition, Agreement, etc.:        |                                                                                                                      |                                 |
| Outlet Number:                     | <input type="text" value="001"/><br><input type="text" value="BAS DWR"/><br><input type="text" value="BWQ 1228-96"/> |                                 |
| Source of Discharge:               |                                                                                                                      |                                 |
| Brief Description of Project:      |                                                                                                                      |                                 |
| Final Compliance Date -- Required: | <input type="text"/>                                                                                                 | Projected: <input type="text"/> |

**Mod 2 Part IV: Outlet Effluent General**

A. Submit analyses for the effluent (*treated discharge*) from **each** outlet<sup>1</sup>.

N/A (New Permit - Outlets not constructed yet; Stormwater only or Beltline permit.)  
 Analysis for Table 2-IV-A submitted to EQulS.

Parameters to be analyzed are:

|                                      |                              |
|--------------------------------------|------------------------------|
| <b>Table 2-IV-A Analytes</b>         |                              |
| Biochemical Oxygen Demand (BOD-5day) | Chemical Oxygen Demand (COD) |
| Total Organic Carbon (TOC)           | Fecal Coliform               |
| Total Residual Chlorine (if used)    | Ammonia (as N)               |
| Total Suspended Solids (TSS)         | Oil and Grease               |
| pH                                   | Flow                         |
| Temperature (Summer)                 | Temperature (Winter)         |

B. Submit analyses for the effluent (*treated discharge*) from **each** outlet<sup>1</sup>.

N/A (New Permit - Outlets not constructed yet; Stormwater only or Beltline permit.)  
 Analysis for Table 2-IV-B submitted to EQulS.

Parameters to be analyzed are:

|                                            |                                      |
|--------------------------------------------|--------------------------------------|
| <b>Table 2-IV-B Analytes</b>               |                                      |
| 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 SO <sub>4</sub> ) (14808-79-8) | Sulfide (as S)                       |
| Sulfite (as SO <sub>3</sub> ) (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)                   | Cobalt, Total (7440-48-4)            |
| Iron, Total (7439-89-6)                    | 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 discharge*) from **each** outlet<sup>1</sup>.

N/A (New Permit - Outlets not constructed yet; Stormwater only or Beltline permit.)  
 Analysis for Table 2-IV-C submitted to EQulS.

Parameters to be analyzed are:

|                              |                             |
|------------------------------|-----------------------------|
| <b>Table 2-IV-C Analytes</b> |                             |
| 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)  
Phenols, Total

Thallium, Total (7440-28-0)  
Cyanide, Total (57-12-5)

D. Submit analyses of raw water (*influent prior to any type of treatment*) analyses for, at a minimum, the representative outlets used in Section A above, and all ground water monitoring stations.<sup>1</sup> Show the flow amount in cubic feet per second (cfs). "Zero" (0) or "No flow" will not be accepted, samples must be taken during times of flow. For ground water monitoring wells show water elevation in well (flow would be NA unless artesian well). In Table 2-IV-D show the "Type of Sample" as Influent or Pooled water. For sediment ditches (channels), where there is no influent area than can be sampled, a pooled water sample may be used for the analysis.

- N/A (New Permit - No Outlets or Ground Water Monitoring Stations exist yet; Stormwater only or Beltline permit.)
- Analysis for Table 2-IV-D submitted to EQulS.

Parameters to be analyzed are:

**Table 2-IV-D Analytes**

|                                           |                                   |
|-------------------------------------------|-----------------------------------|
| Water elevation ( <i>for wells only</i> ) | Flow                              |
| pH                                        | Total Iron                        |
| Total Manganese                           | Total Aluminum                    |
| Dissolved Aluminum                        | Acidity mg/l as CaCO <sub>3</sub> |
| Alkalinity mg/l as CaCO <sub>3</sub>      | Sulfates as SO <sub>4</sub>       |

E. Submit Baseline Water Quality (BWQ) analysis for each assigned HUC-14+2 (16 digit) Reachshed that will be receiving a discharge from the proposed outlets. The collection of BWQ samples and their analysis being reported must be in accordance with the "Revised BWQ Protocol" dated December 27, 2006.

- N/A (No new reachsheds being proposed.)
- BWQ analysis submitted to EQulS.

Parameters to be analyzed are:

**Table 2-IV-E Analytes**

|                |                    |
|----------------|--------------------|
| Flow           | pH                 |
| Total Iron     | Total Manganese    |
| Total Aluminum | Dissolved Aluminum |
| Total Selenium |                    |

If collecting under the precipitation induced protocol, add Total Suspended Solids, Specific Conductance and a narrative description providing the following:

- A description of the weather condition 24 hours prior to each sample collection. For example: clear, cloudy, raining, etc.
- A description of the physical appearance of the stream as it relates to flow and clarity prior to each sample collection. For example: stream flow low, normal high, stream clarity (clear, murky, muddy, etc.).

Other parameters may be assigned on an as needed basis.

<sup>1</sup> When an applicant has two or more outlets with substantially identical effluents the director may allow the applicant to test only one outfall and report the quantitative data also applies to the substantially identical outlet. If a "Representative Outlet" is used the other outlets it represents must be shown in the spaced provided in the Tables 2-IV-A, B, C and D.

**Mod 2 Part IV - F-I: General Intake and Effluent Characteristics**

F. Is it known, or is there reason to believe, any pollutants listed in Appendix C or E of the NPDES Regulations 47CSR30 are discharged, from any outlet?

No     Yes

If Yes, list below every pollutant believed present, briefly describe the reasons believed to be present, and report any analytical data possessed.

|           |        |
|-----------|--------|
| POLLUTANT | SOURCE |
| ▼         |        |

G. Were the analyses required in "Module 2" for pollutants performed in accordance with 40 CFR, Part 136?  
 N/A  Yes  No  
 If No, list below the pollutant, and describe method used for analysis.

| POLLUTANT | DESCRIPTION OF METHOD |
|-----------|-----------------------|
| ▼         |                       |

H. Were the toxic metals, cyanide and phenols reported under Table 2-IV-C analyzed with a precision to the nearest microgram per liter?  
 N/A  Yes  No  
 If No, list below the pollutant, method and detection limit used for analysis.

|                        |   |
|------------------------|---|
| Pollutant:             | ▼ |
| Description of Method: |   |
| Detection Limit Used:  |   |

I. Provide the days the applicant will collect the required compliance monitoring samples for the proposed WVNPDES permit.

NA - No Outlets

**FREQUENCY:** Semi Monthly ▼

**DAY(S) OF WEEK**

Mon  Tue  Wed  Thu  Fri  Sat  Sun

**WEEK(S) OF MONTH**

1  2  3  4  5

**MONTH OF YEAR\***

Jan  Feb  Mar  Apr  May  Jun  Jul  Aug  Sep  Oct  Nov  Dec

**Mod 2 Part V: Potential Discharges not Covered by Analysis**

A. Is any pollutant listed in "Table 2-IV-C" a substance or a component of a substance which is now, or is expect over the next five (5) years, to be used or manufactured as an intermediate or final product or byproduct?  
 No  Yes  
 If Yes, list below all such pollutants and possible sources.

| POLLUTANT | POSSIBLE SOURCES |
|-----------|------------------|
|           |                  |

**Mod 2 Part VI: Biological Toxicity Testing Data**

A. Has there been performed, or is there any knowledge of or reason to believe that any biological test for acute or chronic toxicity has been made on a receiving water in relation to a proposed discharge within the last three (3) years?  
 No  Yes  
 If Yes, submit copies of test results and a description of the reason for test for the outfall or stream on which the test was performed.

**Mod 2 Part VII: Benthic Survey**

A. Has there been performed, or is there any knowledge of or reason to believe that any Benthic Surveys have been done on a receiving water in relation to a proposed discharge within the last three (3) years? Possibly in a 401 application.  
 No  Yes  
 If Yes, submit copies of results along with a description of the reason for the survey, the stream on which the test was performed and the location of each test site.

See Attachment 2-VII-A

**Mod 2 Part VIII: Discharges into Non-complying Waters**

A. Is there a proposed discharge into stream (or water segment) which either does not meet applicable water quality standards for the pollutant(s) to be discharged, or is not expected to meet those standards even after treating the discharge to the required technology based limits, and the state has performed a pollutant waste allocation for these pollutants? Please check the latest 303d list from Division of Water and Waste Management (DWWM).

No  Yes

If Yes, submit documentation that:

1. There are sufficient remaining pollutant load allocations to allow for the discharge (TMDL development); and
2. The existing discharges into that segment are subject to compliance schedules designed to bring the segment into compliance with applicable water quality standards; **OR**
3. The applicant qualifies for an alternate water quality based effluent limitation by making an adequate demonstration to the Director pursuant to the Environment Quality Board's Administrative Regulations, 47 CSR2.

**Mod 2 Part IX: Variances**

A. Is a variance from effluent limitations requested?

No  Yes

If Yes, comply with NPDES regulations, Title 47, Series 30, Section 4.5.F or 4.5.G..

**Mod 3 Part I: Operations In Same Seam**

A. Are there any other surface or deep mines (*active, inactive or abandoned*) in the same seam and within one thousand feet (1,000ft) horizontally of the proposed facility?

No (*Go to "Part II"*)

Yes (*Without Deep Mine*)

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 Below**

A. Are there any deep mine workings 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. Are there any analyses for or discharges from these deep mines, free flowing or pumped?

No  Yes

If Yes, see "Part III" of this module for analysis requirements.

**Mod 3 Part III: Adjacent Operation's Raw Water Analysis**

A. Submit a representative analysis of the raw water from each mine in "Part I & II" above for the parameters listed below. Locate and label sampling point in Module 1 Part IV and label the analysis accordingly.

N/A

|                                     |                                        |
|-------------------------------------|----------------------------------------|
| <b>Analytes:</b>                    |                                        |
| Flow (cfs)                          | pH (Standard Units)                    |
| Total Iron (mg/l)                   | Total Manganese (mg/l)                 |
| Total Aluminum (mg/l)               | Dissolved Aluminum (mg/l)              |
| Acidity (mg/l) as CaCO <sub>3</sub> | Alkalinity (mg/l) as CaCO <sub>3</sub> |
| Sulfates (mg/l) as SO <sub>4</sub>  |                                        |

| Table 3-III-A                                                                            |                                                                                           |
|------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|
| SITE:                                                                                    |                                                                                           |
| ID Number: <input type="text" value="MD-25"/>                                            | Active: <input style="border: 1px solid black; padding: 2px;" type="button" value="Yes"/> |
| U. S. Geologic Survey Seam Name: <input type="text" value="Redstone and/or Pittsburgh"/> |                                                                                           |

**Mod 3 Part IV: Water Supplies**

A. 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**

A. Submit analysis of any seeps, springs or wells within one thousand feet (1,000ft) of the proposed facility for the parameters listed below. Locate and label all these sampling points in Module 1 Part IV and label the analysis accordingly.

N/A

**Analytes:**

|                                        |                                     |
|----------------------------------------|-------------------------------------|
| pH (Standard Units)                    | Total Iron (mg/l)                   |
| Total Manganese (mg/l)                 | Total Aluminum (mg/l)               |
| Dissolved Aluminum (mg/l)              | Acidity (mg/l) as CaCO <sub>3</sub> |
| Alkalinity (mg/l) as CaCO <sub>3</sub> | Sulfates (mg/l) as SO <sub>4</sub>  |

| Table 3-V-A                                                                                                                              |                                                                                                                  |
|------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|
| SITE:                                                                                                                                    |                                                                                                                  |
| Number: <input type="text" value="GW-9 (Curkendall)"/>                                                                                   |                                                                                                                  |
| Latitude: <input type="text" value="39"/> ° <input type="text" value="05"/> ' <input type="text" value="04"/> "                          | Longitude: <input type="text" value="80"/> ° <input type="text" value="08"/> ' <input type="text" value="08"/> " |
| Elevation: <input type="text" value="1415"/>                                                                                             |                                                                                                                  |
| Geospatial Method: <input style="border: 1px solid black; padding: 2px;" type="button" value="Digital/Manual Interpolation from a map"/> | Datum: <input style="border: 1px solid black; padding: 2px;" type="button" value="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 proposed permit area.

**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 Bed/Coal Seam Name | Raw / Refuse | Pyrite (%) | Organic (%) | Sulfate (%) | Total (%) |
|-------------------------------------------------|--------------|------------|-------------|-------------|-----------|
| Kittanning - Lwr---Allegheny                    | Refuse       | 2.788      | 0.548       | 0.024       | 3.36      |
| Kittanning - Lwr---Allegheny                    | Refuse       | 1.074      | 0.299       | 0.047       | 1.42      |

**Mod 4 Part II: Acid - Base Analysis**

A. Provide an acid-base analysis for all strata to be encountered during all phases of construction, operation and regarding of the facility to include the strata below the lowest bed/seam or elevation being mined/disturbed. (If multiple sites used include data for each site.)

See Waiver Request (If overburden analysis waiver is requested)

The analysis is to include but not limited to the following:

|                        |                            |
|------------------------|----------------------------|
| Paste pH               | Total Sulfur (%)           |
| Pyritic Sulfur (%)     | Acidity Potential *        |
| Neutralize Potential * | Net Excess or Deficiency * |
| Fizz Rate **           | Color ***                  |

\* Units in tons of CaCO<sub>3</sub> equivalent per 1000 tons of material  
 \*\* Units: 0-None 1-Slight 2-Moderate 3-Strong  
 \*\*\* Munsell Color Chart

|                                       |                                               |
|---------------------------------------|-----------------------------------------------|
| Company Name:                         | North Central Resources, LLC                  |
| Facility Name:                        | North Central Resources No. 1                 |
| Sampling Point Identification Number: | Sink from NCR-78-11                           |
| Laboratory Name:                      | Standard Laboratories, Inc. Belington Lab #61 |

| Table 4-II-A                       |                              |                           |         |
|------------------------------------|------------------------------|---------------------------|---------|
| Sample ID Number:                  | NCR Core Composites-coarse   |                           |         |
| Mineral Bed / Coal Seam:           | Kittanning - Lwr---Allegheny |                           |         |
| Elevation Top of Stratum (ft/msl): | N/A                          | Unit Thickness (feet):    | N/A     |
| Paste pH:                          | 7.30                         | Total Sulfur (%):         | 3.36    |
| Pyritic Sulfur (%):                | 2.788                        | Acidify Potential:        | 87.126  |
| Neutralize Potential:              | 24.628                       | Net Excess or Deficiency: | -62.498 |
| Fizz Rate:                         | None                         | Color:                    | Black   |
| Sample ID Number:                  | NCR Composites - fines       |                           |         |
| Mineral Bed / Coal Seam:           | Kittanning - Lwr---Allegheny |                           |         |
| Elevation Top of Stratum (ft/msl): | N/A                          | Unit Thickness (feet):    | N/A     |
| Paste pH:                          | 7.40                         | Total Sulfur (%):         | 1.42    |
| Pyritic Sulfur (%):                | 1.074                        | Acidify Potential:        | 33.562  |
| Neutralize Potential:              | 33.504                       | Net Excess or Deficiency: | -0.058  |
| Fizz Rate:                         | None                         | Color:                    | Black   |

**Mod 4 Part III: Amendments and Additives**

A. Include a narrative describing any amendments or materials not produced by this facility (such as Coal Ash, Sewage Sludge, Kiln Dust, etc.) that are to be used by, or disposed of, at this facility. The narrative should address at a minimum: (1) its source, (2) the chemical breakdown and properties of the material, (3) the purpose of its use(s), (4) the rates and methods of application and (5) any potential degradation of the ground or surface water that could result from its use.

N/A

See Attachment O-8

B. Is any material in "Part III.A" to be disposed of in underground works?

No  Yes

If Yes, complete Modules 5 and 6.

**Mod 5 Part I: Barriers**

A. Does any portion of the proposed facility lie within the 15ft angle of critical deformation of an underlying deep mine? If Yes, show underlying deep mine in "Module 1-VI-A" or "Module 8-II-A".

No  Yes

If Yes, see  "Module 1-VI-A"  "Module 8-II-A"



B. Are there any mining operations (*active, inactive or abandoned*), wells (*gas, oil water or injection*) or streams (*intermittent or perennial*) within the 15ft angle of critical deformation of the proposed operation?  
 NA     No     Yes  
 If Yes, see  "Module 8-II-A"

C. Are there any deep mines (*active or abandoned*) above, adjacent to or below the proposed operation that contain impounded water?  
 No     Yes  
 If Yes, complete table below.

| Mines Name or ID Number | Approximate Elevation | Unknown | Partially Inundated | Totally Inundated |
|-------------------------|-----------------------|---------|---------------------|-------------------|
|                         |                       |         |                     |                   |

D. What effects will subsidence have on the proposed or existing operations that overlie the mines addressed in "A and B" above? Describe the partings/barrier between the proposed operation and any adjacent, overlying and underlying mining. (*If none justify the answer with pillar design or other geotechnical engineering data.*)  
 N/A

E. Show calculations of barrier design to prevent blowouts or seepage affecting the facility or adjacent areas. Include maximum and minimum head and barrier thickness, strength properties of strata and equations used to calculate the barrier. (*Show barriers on "Module I-VI-A or 8-II-A".*)  
 N/A

F. Based on the information provided above, will waters migrate to/from the proposed facility to/from adjacent surface or deep mine operations? If "Yes", describe the quantity and quality of the waters and their projected effect on the final discharge quality.  
 No     Yes

**Mod 7 Part I: Physical Treatment**

A. 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, maintenance procedures, pond sludge (*removal, disposal, and placement*), etc.  
 See "Attachment 2-II-C"

**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:

1. Types of reagents to be used;
2. Types of dispenser, contact unit or median to be used. If commercial unit, indicate make, model;
3. Type of aeration and/or mixing system;
4. Construction specifications including sizes, dimensions, designed flows, maintenance and treated sludge removal and disposal;
5. Description of how the treatment system will be protected against floods, power failure, vandalism; and a contingency plan should protection fail;
6. Explanation and illustration of how the additional treatment system will be used in conjunction with the proposed physical treatment;
7. 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;
8. 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.

Chemicals typically used for treatment of mine water may be used such as flocculants, lime, or other pH adjusters approved for use by the WVDEP for

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 Part I: General Abandonment Information

A. 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  Yes

If Yes, go to 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.
2. Include ample cross-section (*to scale*) to represent the area distributed by the operation depicting the surface configuration prior to operations, during operation and at abandonment. 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.
3. Provide a plot plan (*to scale*) showing regraded drainage pattern and all treatment structures.

See Attachment 8-III-A and Drawing Nos. B11-584-E1, B11-584-E3, B11-584-E4, B11-584-E5 and B11-584-E10.

#### Mod 14 Part I: Inventory of Manmade Potential Contaminants

A. 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.*)

See Drawing No. B11-584-M1

| Potential Groundwater Contaminant Sources and Controls |                                                                                               |
|--------------------------------------------------------|-----------------------------------------------------------------------------------------------|
| Identification Number:                                 | 1                                                                                             |
| Item Description:                                      | Portable Tank                                                                                 |
| Material:                                              | Diesel Fuel                                                                                   |
| Container Type:                                        | Steel tank                                                                                    |
| Existing Controls:                                     | -                                                                                             |
| Proposed Controls:                                     | Double walled steel tank on skids or single wall steel tank with a secondary containment cell |

**Mod 14 Part II: Spill Response Plan**

A. 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 Attachment 14-II-A

**Mod 14 Part III: Training and Inspections**

A. Provide procedures and schedules for initial and refresher training of employees, contract workers and site visitors concerning their involvement and the requirements of the "Spill Response Plan" for the site.

See Attachment 14-III-A


B. Provide procedures for inspections (*min. every 6 months*) and routine maintenance operations to insure the Groundwater Protection Plan are in place and in good working order.

See Attachment 14-III-B

**Mod 14 Part IV: Monitoring Wells**

A. Identify by type and number each groundwater monitoring site being used to monitor the GPP. List the latitude and longitude (*to the nearest second*), the water surface and bottom elevation of each station.

N/A

| Monitoring Wells   |                                                                    |                   |                                                                                                                                                          |
|--------------------|--------------------------------------------------------------------|-------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|
| Station Type:      | <input type="text"/>                                               | Station Number:   | <input type="text"/>                                                                                                                                     |
| Latitude:          | <input type="text"/> ° <input type="text"/> ' <input type="text"/> | Longitude:        | <input type="text"/> ° <input type="text"/> ' <input type="text"/> "  |
| Elevation Surface: | <input type="text"/>                                               | Elevation Bottom: | <input type="text"/>                                                                                                                                     |
| Geospatial Method: | <input type="text"/> ▼                                             |                   | Datum: <input type="text"/> ▼                                                                                                                            |

**Mod 14 Part V: Contamination and Monitoring Wells Map**

A. Submit a map showing the location of all items listed in "Part I" and "Part IV" above. Identify each on the map using the ID provided in this module or the Station Number for the monitoring well. The map shall be of the same scale as the "Module 1 Part VI" map and must clearly show each site. (*rubber tired mobile tanks may be addressed by a note on the map, see instructions*)

See "Module 1-VI"

**Advertisement: NPDES Issuance Advertisement**

**ADVERTISEMENT (MR-34-B)**

Notice is hereby given that NORTH CENTRAL RESOURCES, LLC 200 CHAPEL BROOK DR, BRIDGEPORT, WV 26330 has submitted an application for the **issuance** of Article 11/WVNPDES Permit Number WV1027093 to the Department of Environmental Protection, 47 School Street, Suite 301, Philippi, WV 26416-1150 in order to construct and operate a coal refuse impoundment

N/A

in the

seam/mineral bed. The

operation will discharge  Treated water,  Untreated water,  Storm water into

Wash Run of Big Run of the Buckhannon River



of Tygart Valley Riverand is located 1.66 (miles), northwest of Volga, in

Union \_\_\_\_\_ District(s) of

Barbour \_\_\_\_\_ County(ies), Longitude 80 ° 08 ' 17" and Latitude 39 ° 06 ' 10 " (Coordinates from USGS Topographic Map).

The Department of Environmental Protection is seeking information on private surface water intakes for human consumption located in the above listed receiving streams and located down stream of this operation. Please provide your name, phone number, mailing address, the name of the stream being with the intake, and 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 effluent limitations ensure compliance with water quality criteria for all designated uses. Tier 2 protection is also afforded because the agency has made a determination that the discharge(s) will not cause significant degradation to the receiving stream(s) for any parameters of concern.

Comments on the Article 11 WV/NPDES application or requests for a public hearing regarding the Article 11/NPDES application shall be in writing and if a public hearing is requested shall state the nature of the issues proposed to be raised in the hearing. Such written comments or requests should be sent to the Department of Environmental Protection (DEP) at the address above, and **must** also reference the Article 11/NPDES permit number shown above. Comments received by  , or thirty (30) days from date of publication, will be considered. A copy of the Article 11/WVNPDES application, draft permit and fact sheet (if required) will be available for inspection and obtaining copies during normal business hours at the DEP Regional Office located at the address above.

DEP Telephone No. 304-457-3219Article 11/NPDES Permit No. WV1027093**LOCATION MAP**

Each ad must include a clear and accurate location map of a scale and detail found in the West Virginia General Highway Map. The map size must be at a minimum four (4) inches by four (4) inches with the following shown on the map:

1. Clearly define the approximate limits of the proposed permit area.
2. Longitude and latitude lines must cross at or near the center of the proposed permit area.
3. A north arrow must be shown.
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**

A. I certify under penalty of law that this application and all attachments were prepared under the direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Kevin J. Bealko  
 \_\_\_\_\_  
 (Name of Official)

President  
 \_\_\_\_\_  
 (Title of Official)

\_\_\_\_\_  
 (Signature in accordance with Title 47, Series 30, Section 4.7.1)

Subscribed and sworn before me this \_\_\_\_\_ day of \_\_\_\_\_, \_\_\_\_\_.

My commission expires: \_\_\_\_\_

\_\_\_\_\_  
 (Signature of Notary Public)

(Seal)

Any and all certifications pertaining to this application can be viewed at the WVDEP Regional Office.

### **Applicant GPP Certification**

A. I, the undersigned, having examined this facility and this Groundwater Protection Plan (GPP), will commit the resources to comply with this plan, the Groundwater Protection Act, and the applicable regulations.

Kevin J. Bealko  
*(Name of Official)*

President  
*(Title of Official)*

\_\_\_\_\_  
*(Signature in accordance with Title 47, Series 30, Section 4.7.1)*

Subscribed and sworn before me this \_\_\_\_\_ day of \_\_\_\_\_, \_\_\_\_\_.

My commission expires: \_\_\_\_\_

\_\_\_\_\_  
*(Signature of Notary Public)*

*(Seal)*

Any and all certifications pertaining to this application can be viewed at the WVDEP Regional Office.