

# *P & A Engineers & Consultants, Inc.*

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*312 Justice Avenue  
Logan, WV 25601*

*Phone (304) 752-8320  
Fax (304) 752-7488*

**August 8, 2016**

**Mr. William F. Durham, Director  
Division of Air Quality  
601 57<sup>th</sup> Street SE  
Charleston, WV 25304**

**RE: Rockwell Mining, LLC  
Rocklick Preparation Plant  
Facility ID: 005-00021**

**Dear Mr. Durham:**

**On behalf of Rockwell Mining, LLC, we submit the enclosed General Permit Registration for the above-referenced facility. Included is a check in the amount of \$1,500.00, which represents the submittal fee, and two additional permit copies for your review and approval.**

**The application addresses the operation of the Rocklick Complex that includes Winifrede and Harris Coal Processing and Conveying Systems. The writer has deleted all equipment that has either been removed or no plans to construct. Equipment identifications, controls, transfer points, and material flow have been modified as discussed with Dan Roberts, OAQ Reviewer.**

**If additional information or clarification is needed, please contact me at the Logan address listed above or call 304-752-8320.**

**Sincerely,**

**Donna J. Toler  
Air Quality Project Manager**

*donnatoler@suddenlink.net*

**ROCKWELL MINING, LLC**

**ROCKLICK PREPARATION PLANT**

**ID NO. 005-00021**

**GENERAL PERMIT REGISTRATION**

**DIVISION OF AIR QUALITY**

**Submittal Date: August 2016**

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WEST VIRGINIA  
 DEPARTMENT OF ENVIRONMENTAL PROTECTION  
 DIVISION OF AIR QUALITY  
 601 - 57<sup>th</sup> Street SE  
 Charleston, WV 25304  
 Phone: (304) 926-0475 • www.wvdep.org

**APPLICATION FOR GENERAL PERMIT REGISTRATION**  
 CONSTRUCT, MODIFY, RELOCATE OR ADMINISTRATIVELY UPDATE  
 A STATIONARY SOURCE OF AIR POLLUTANTS

PLEASE CHECK ALL THAT APPLY (IF KNOWN):

- CONSTRUCTION**    **MODIFICATION**    **RELOCATION**  
 **ADMINISTRATIVE UPDATE**    **AFTER-THE-FACT**

FOR AGENCY USE ONLY: PLANT I.D. # \_\_\_\_\_

PERMIT # \_\_\_\_\_ PERMIT WRITER: \_\_\_\_\_

**CHECK WHICH TYPE OF GENERAL PERMIT REGISTRATION YOU ARE APPLYING FOR:**

- G10-C** – Coal Preparation and Handling  
 **G20-B** – Hot Mix Asphalt  
 **G30-D** – Natural Gas Compressor Stations  
 **G33-A** – Class I Spark Ignition Internal Combustion Engine  
 **G35-A** – Natural Gas Compressor Stations (Flare/Glycol Dehydration Unit)

- G40-C** – Nonmetallic Minerals Processing  
 **G50-B** – Concrete Batch  
 **G60-C** - Class II Emergency Generator  
 **G65-C** – Class I Emergency Generator

**SECTION I. GENERAL INFORMATION**

1. NAME OF APPLICANT (AS REGISTERED WITH THE WV SECRETARY OF STATE'S OFFICE):

**ROCKWELL MINING, LLC**

2. FEDERAL EMPLOYER ID NO. (FEIN):

**47-4843874**

3. APPLICANT'S MAILING ADDRESS:

**3228 SUMMIT SQUARE PLACE SUITE 180  
 LEXINGTON, KY 40509-2637**

4. IF APPLICANT IS A SUBSIDIARY CORPORATION, PLEASE PROVIDE THE NAME OF PARENT CORPORATION:

**BLACKHAWK MINING**

5. **WV BUSINESS REGISTRATION.** IS THE APPLICANT A RESIDENT OF THE STATE OF WEST VIRGINIA?  **YES**    **NO**

⇒ IF **YES**, PROVIDE A COPY OF THE **CERTIFICATE OF INCORPORATION / ORGANIZATION / LIMITED PARTNERSHIP** (ONE PAGE) INCLUDING ANY NAME CHANGE AMENDMENTS OR OTHER **BUSINESS CERTIFICATE** AS ATTACHMENT A.

⇒ IF **NO**, PROVIDE A COPY OF THE **CERTIFICATE OF AUTHORITY / AUTHORITY OF L.L.C. / REGISTRATION** (ONE PAGE) INCLUDING ANY NAME CHANGE AMENDMENTS OR OTHER **BUSINESS CERTIFICATE** AS ATTACHMENT A.

**SECTION II. FACILITY INFORMATION**

7. TYPE OF PLANT OR FACILITY (STATIONARY SOURCE) TO BE CONSTRUCTED, MODIFIED, RELOCATED OR ADMINISTRATIVELY UPDATED (E.G., COAL PREPARATION PLANT, PRIMARY CRUSHER, ETC.):

**Coal Preparation Plant and associated systems**

8. STANDARD INDUSTRIAL CLASSIFICATION (SIC) CODE FOR THE FACILITY:

**1221 AND 1222**

|   |  |
|---|--|
| <p>9A. DAQ PLANT I.D. NO. (FOR AN EXISTING FACILITY):</p> <p><b>005-00021</b></p> | <p>10A. LIST ALL CURRENT 45CSR13 AND 45CSR30 (TITLE V) PERMIT NUMBERS ASSOCIATED WITH THIS PROCESS (FOR EXISTING FACILITY ONLY):</p> <p><b>R13-0772N</b></p> |
|---|--|

**PRIMARY OPERATING SITE INFORMATION**

|  |   |
|--|---|
| <p>11A. NAME OF PRIMARY OPERATING SITE:</p> <p><b>Rocklick Complex</b></p> | <p>12A. MAILING ADDRESS OF PRIMARY OPERATING SITE:</p> <p><b>PO Box 57, Wharton, WV 25208</b></p> |
|--|---|

13A. DOES THE APPLICANT OWN, LEASE, HAVE AN OPTION TO BUY, OR OTHERWISE HAVE CONTROL OF THE *PROPOSED SITE*?

**YES**     **NO**

⇒ IF **YES**, PLEASE EXPLAIN: **OWNER/OPERATOR**

⇒ IF **NO**, YOU ARE NOT ELIGIBLE FOR A PERMIT FOR THIS SOURCE.

14A. ⇒ FOR **MODIFICATIONS** or **ADMINISTRATIVE UPDATES**, AT AN EXISTING FACILITY, PLEASE PROVIDE DIRECTIONS TO THE *PRESENT LOCATION* OF THE FACILITY FROM THE NEAREST STATE ROAD;

⇒ FOR **CONSTRUCTION OR RELOCATION PERMITS**, PLEASE PROVIDE DIRECTIONS TO *THE PROPOSED NEW SITE LOCATION* FROM THE NEAREST STATE ROAD.

**From Charleston, follow US119S to Route 85 at Madison, follow Route 85 past Van toward Bald Knob, plant about 8 miles from Van on left**

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INCLUDE A MAP AS ATTACHMENT F.

|   |   |  |
|---|---|--|
| <p>15A. NEAREST CITY OR TOWN:</p> <p><b>Wharton</b></p> | <p>16A. COUNTY:</p> <p><b>Boone</b></p>               |  |
| <p>17A. UTM NORTHING (KM):</p> <p><b>4188.54824</b></p> | <p>18A. UTM EASTING (KM):</p> <p><b>444.56653</b></p> | <p>19A. UTM ZONE:</p> <p><b>17</b></p> |

**Note: Coordinates that are on top of plant are: 81-37-48.12 and 37-50-33.68**



**2<sup>ND</sup> ALTERNATE OPERATING SITE INFORMATION (G20-B, G40-C, G50-C only)**

|  |  |   |
|--|--|---|
| 11C. NAME OF PRIMARY OPERATING SITE:<br><br>_____  | 12C. MAILING ADDRESS OF PRIMARY OPERATING SITE:<br><br>_____ |   |
| <p>13C. DOES THE APPLICANT OWN, LEASE, HAVE AN OPTION TO BUY, OR OTHERWISE HAVE CONTROL OF THE <i>PROPOSED SITE</i>?</p> <p><input type="checkbox"/> <b>YES</b>    <input type="checkbox"/> <b>NO</b></p> <p>⇨ IF <b>YES</b>, PLEASE EXPLAIN: _____</p> <p>_____</p> <p>⇨ IF <b>NO</b>, YOU ARE NOT ELIGIBLE FOR A PERMIT FOR THIS SOURCE.</p>   |  |   |
| <p>14C. ⇨ FOR <b>MODIFICATIONS or ADMINISTRATIVE UPDATES</b>, AT AN EXISTING FACILITY, PLEASE PROVIDE DIRECTIONS TO THE <i>PRESENT LOCATION</i> OF THE FACILITY FROM THE NEAREST STATE ROAD;</p> <p>⇨ FOR <b>CONSTRUCTION OR RELOCATION PERMITS</b>, PLEASE PROVIDE DIRECTIONS TO <i>THE PROPOSED NEW SITE LOCATION</i> FROM THE NEAREST STATE ROAD.</p> <p>_____</p> <p>_____</p> <p>_____</p> <p><b>INCLUDE A MAP AS ATTACHMENT F.</b></p> |  |   |
| 15C. NEAREST CITY OR TOWN:   | 16C. COUNTY:   |   |
| 17C. UTM NORTHING (KM):  | 18C. UTM EASTING (KM):                                       | 19C. UTM ZONE:  |
| <p>20. PROVIDE THE DATE OF ANTICIPATED INSTALLATION OR CHANGE:    <b>Upon Permit Approval</b></p> <p>⇨ IF THIS IS AN <b>AFTER-THE-FACT</b> PERMIT APPLICATION, PROVIDE THE DATE UPON WHICH THE PROPOSED CHANGE DID HAPPEN: ____/____/____</p>  |  | <p>21. DATE OF ANTICIPATED START- UP IF REGISTRATION IS GRANTED:</p> <p><b>Upon Permit Approval</b></p> |
| <p>22. PROVIDE MAXIMUM PROJECTED <b>OPERATING SCHEDULE</b> OF ACTIVITY/ ACTIVITIES OUTLINED IN THIS APPLICATION:</p> <p>HOURS PER DAY <b>24</b>    DAYS PER WEEK <b>7</b>    WEEKS PER YEAR <b>52</b>    PERCENTAGE OF OPERATION <b>100</b></p>  |  |   |





**WEST VIRGINIA  
STATE TAX DEPARTMENT  
BUSINESS REGISTRATION  
CERTIFICATE**

ISSUED TO:  
**ROCKWELL MINING, LLC  
3228 SUMMIT SQUARE PL 180  
LEXINGTON, KY 40509-2637**

BUSINESS REGISTRATION ACCOUNT NUMBER: **2320-2744**

This certificate is issued on: **10/1/2015**

*This certificate is issued by  
the West Virginia State Tax Commissioner  
in accordance with Chapter 11, Article 12, of the West Virginia Code*

*The person or organization identified on this certificate is registered  
to conduct business in the State of West Virginia at the location above.*

**This certificate is not transferrable and must be displayed at the location for which issued**

This certificate shall be permanent until cessation of the business for which the certificate of registration was granted or until it is suspended, revoked or cancelled by the Tax Commissioner.

Change in name or change of location shall be considered a cessation of the business and a new certificate shall be required.

TRAVELING/STREET VENDORS: Must carry a copy of this certificate in every vehicle operated by them.  
CONTRACTORS, DRILLING OPERATORS, TIMBER/LOGGING OPERATIONS: Must have a copy of this certificate displayed at every job site within West Virginia.

## **Attachment B**

### **DETAILED PROCESS DESCRIPTION**

**The purpose of this application is to address permit deficiencies and convert this facility to the General Permit Program.**

**Because the facility was grossly over permitted and included equipment that has been removed or not constructed, the equipment identifications, controls, operating rates and processes are being modified to depict current operation at the Rocklick Facility.**

#### **WINIFREDE:**

**The Winifrede Belt System is currently idle with no plans to restart at this time. However, the equipment is in place and company personnel requests that it be listed in the permit for future consideration or modifications. The Powellton Tunnel has been flooded which takes this system out of service. The Winifrede System is identified from TP-01 through TP-32.**

#### **HARRIS:**

**The Harris Material Storage and Transfer System begins with raw coal being transferred from the Black Oak Deep Mine to stockpiles OS-06(SW-WS) and OS-07(SW-WS) via a series of raw coal belts BC-17(PE) through BC-22(PE) and two receiving bins BS-04(FE) and BS-05(FE). These bins are located below ground and are used as transfer bins only. This process takes place at TP-33(TC-FE) thru TP-43(TC-PE).**

**Material from stockpiles OS-06 and OS-07 will reclaim under-pile to a series of belt conveyors BC-23(FE) thru BC-26(FE) which carry coal through the Matewan Tunnel to the prep plant raw coal storage area; or belt BC-25(PE) can transfer to a series of belt conveyors BC-27(PE) thru BC-30(PE) for storage in stockpiles OS-09(SW-WS) and OS-10(SW-WS) that reclaim under-pile to belt BC-31(FE) for transfer to the plant stockpiles or rail load out. This process takes place at TP-44(LO-UC) thru TP-59(TC-PE). Excess material can be trucked in and out of stockpiles OS-08(SW-WS) at TP-60(UL-MDH) and TP-61(LO-MDH).**

**Please note that the Harris crusher and screen have been removed and the structure is used for transfer only.**

## **Attachment B**

### **ROCKLICK:**

The Rocklick Raw Coal Storage Area having stockpiles OS-11(SW-WS), OS-12(SW-WS) and OS-13(SW-WS) are fed by belts BC-26 and BC-31 via the Matewan Tunnel as well as trucked in coal to under-surface bins BS-06(PE) and BS-07(PE). Trucked in coal can also dump into stockpile OS-13 via a highwall dump that employs an enclosed chute to limit the drop height to 20' to the top of the material below.

The truck dump bins discharge to belt conveyors BC-32(PE), BC-33(PE), and BC-34(PE) for discharge to the stockpiles. Dozer can push coal from stockpile to stockpile. These processes take place from TP-62(UL-MDH) thru TP-71(LO-MDH).

Raw coal is reclaimed under pile to belt BC-35(FE) which can feed the raw coal screen SS-01(FW) and rotary breaker CR-03(FW) and/or the plant via belt BC-37(PE). Material can also bypass the screen to plant via belt BC-36(PE). The plant houses raw coal screen SS-02(FW) which sends coal fines to belt conveyor BC-38(FE) inside the plant for transfer to the clean coal collecting belt BC-39(PE) or processed material to the wet wash system. These processes take place at TP-72(LO-UC) thru TP-87(TC-FW).

Clean coal transfers from the plant to the clean coal stockpile areas OS-14(SW-WS), OS-15(SW-WS) and OS-16(SW-WS) via a series of clean coal belts BC-39(PE) thru BC-42(PE); and reclaims to bin BS-08(FE) for rail load out on belts BC-43(FE) and BC-44(FE). This process takes place at TP-87(TC-FW) thru TP-100(LR-TC).

Plant refuse is transferred from the plant to the refuse bin BS-09(FE) via a series of belt conveyors BC-45(PE) thru BC-50(PE) where it is loaded to truck for delivery to the disposal area. This process takes place at TP-101(TC0FW) thru TP-110(UL-MDH).

## DESCRIPTION OF FUGITIVE EMISSIONS

Potential sources of fugitive particulate emissions for this facility include emissions, which are not captured by pollution control equipment and emissions from open stockpiles and vehicular traffic on paved haulroads and work areas. The haulroads and work areas will be controlled by water truck in accordance with section E.6.c.i. of the General Permit.

The water truck is equipped with pumps sufficient to maintain haulroads and work areas. The water truck will be operated three times daily, and more as needed in dry periods.

An additive to prevent freezing will be utilized in the winter months when freezing conditions are present.

## CRUSHING AND SCREENING AFFECTED SOURCE SHEET

| Source Identification Number <sup>1</sup>     |                 | Winifrede<br>CR-01 | Winifrede<br>CR-02 | Plant<br>CR-03    | CR-04         |
|---|-----------------|--------------------|--------------------|-------------------|---------------|
| Type of Crusher or Screen <sup>2</sup>        |                 | Sampler            | DR                 | Rotary<br>Breaker | CC<br>Sampler |
| Date of Manufacture <sup>3</sup>              |                 | 2005               | 2005               | 2005              | 2014          |
| Maximum<br>Throughput <sup>4</sup>            | tons/hour       | 5                  | 1200               | 1800              | 5             |
|   | tons/year       | Idle               | Idle               | 10,220,000        | 43800         |
| Material sized from/to: <sup>5</sup>          |                 | 2x0                | 4x0                | +2                | 2x0           |
| Average Moisture Content (%) <sup>6</sup>     |                 | 6                  | 6                  | 6                 | 7             |
| Control Device ID Number <sup>7</sup>         |                 | FW                 | FW                 | FW                | FE            |
| Baghouse<br>Stack<br>Parameters <sup>8</sup>  | height (ft)     | N/A                |                    |                   |               |
|   | diameter (ft)   |                    |                    |                   |               |
|   | volume (ACFM)   |                    |                    |                   |               |
|   | exit temp (°F)  |                    |                    |                   |               |
|   | UTM Coordinates |                    |                    |                   |               |
| Maximum<br>Operating<br>Schedule <sup>9</sup> | hours/day       | 24                 | 24                 | 24                | 24            |
|   | days/year       | 365                | 365                | 365               | 365           |
|   | hours/year      | 8760               | 8760               | 8760              | 8760          |
| Percentage<br>of<br>Operation <sup>10</sup>   | January-March   | 25                 | 25                 | 25                | 25            |
|   | April-June      | 25                 | 25                 | 25                | 25            |
|   | July-September  | 25                 | 25                 | 25                | 25            |
|   | Oct-December    | 25                 | 25                 | 25                | 25            |

1. Enter the appropriate Source Identification Number for each crusher and screen. For example, in the case of an operation which incorporates multiple crushers, the crushers should be designated CR-1, CR-2, CR-3 etc. beginning with the breaker or primary crusher. Multiple screens should be designated S-1, S-2, S-3 etc.
2. Describe types of crushers and screens using the following codes:

|    |                     |    |                    |
|----|---------------------|----|--------------------|
| HM | Hammermill          | SS | Stationary Screen  |
| DR | Double Roll Crusher | SD | Single Deck Screen |
| BM | Ball Mill           | DD | Double-Deck Screen |
| RB | Rotary Breaker      | TD | Triple Deck Screen |
| JC | Jaw Crusher         | OT | Other              |
| GC | Gyratory Crusher    |    |                    |
| OT | Other - Quadroll    |    |                    |
3. Enter the date that each crusher and screen was manufactured.
4. Enter the maximum throughput for each crusher and screen in tons per hour and tons per year.
5. Describe the nominal material size reduction (e.g. +2"/ -").
6. Enter the average percent moisture content of the material processed.
7. Enter the appropriate Control Device Identification Number for each crusher and screen. Refer to Table A - *Control Device Listing and Control Device Identification Number Instructions* in the *Reference Document* for Control Device ID prefixes and numbering.
8. Enter the appropriate stack parameters if a baghouse control device is used.
9. Enter the maximum operating schedule for each crusher and screen in hours per day, days per year and hours per year.
10. Enter the estimated percentage of operation throughout the year for each crusher and screen.

## CRUSHING AND SCREENING AFFECTED SOURCE SHEET

|   |                 |  |                           |  |  |
|---|-----------------|--|---------------------------|--|--|
| Source Identification Number <sup>1</sup>     |                 |  | <b>Rocklick<br/>SS-01</b> | <b>Rocklick<br/>In plant<br/>SS-02</b> |  |
| Type of Crusher or Screen <sup>2</sup>        |                 |  | <b>Vibrating</b>          | <b>DD</b>                              |  |
| Date of Manufacture <sup>3</sup>              |                 |  | <b>2005</b>               | <b>2005</b>                            |  |
| Maximum<br>Throughput <sup>4</sup>            | tons/hour       |  | <b>1800</b>               | <b>1800</b>                            |  |
|   | tons/year       |  | <b>15,330,000</b>         | <b>10,220,000</b>                      |  |
| Material sized from/to: <sup>5</sup>          |                 |  | <b>+4x0</b>               | <b>+2x0</b>                            |  |
| Average Moisture Content (%) <sup>6</sup>     |                 |  | <b>6</b>                  | <b>6</b>                               |  |
| Control Device ID Number <sup>7</sup>         |                 |  | <b>FW</b>                 | <b>FW</b>                              |  |
| Baghouse<br>Stack<br>Parameters <sup>8</sup>  | height (ft)     |  | <b>N/A</b>                | <b>N/A</b>                             |  |
|   | diameter (ft)   |  |                           |  |  |
|   | volume (ACFM)   |  |                           |  |  |
|   | exit temp (°F)  |  |                           |  |  |
|   | UTM Coordinates |  |                           |  |  |
| Maximum<br>Operating<br>Schedule <sup>9</sup> | hours/day       |  | <b>24</b>                 | <b>24</b>                              |  |
|   | days/year       |  | <b>365</b>                | <b>365</b>                             |  |
|   | hours/year      |  | <b>8760</b>               | <b>8760</b>                            |  |
| Percentage<br>of<br>Operation <sup>10</sup>   | January-March   |  | <b>25</b>                 | <b>25</b>                              |  |
|   | April-June      |  | <b>25</b>                 | <b>25</b>                              |  |
|   | July-September  |  | <b>25</b>                 | <b>25</b>                              |  |
|   | Oct-December    |  | <b>25</b>                 | <b>25</b>                              |  |

1. Enter the appropriate Source Identification Number for each crusher and screen. For example, in the case of an operation which incorporates multiple crushers, the crushers should be designated CR-1, CR-2, CR-3 etc. beginning with the breaker or primary crusher. Multiple screens should be designated S-1, S-2, S-3 etc.
2. Describe types of crushers and screens using the following codes:

|    |                     |    |                    |
|----|---------------------|----|--------------------|
| HM | Hammermill          | SS | Stationary Screen  |
| DR | Double Roll Crusher | SD | Single Deck Screen |
| BM | Ball Mill           | DD | Double-Deck Screen |
| RB | Rotary Breaker      | TD | Triple Deck Screen |
| JC | Jaw Crusher         | OT | Other              |
| GC | Gyratory Crusher    |    |                    |
| OT | Other               |    |                    |
3. Enter the date that each crusher and screen was manufactured.
4. Enter the maximum throughput for each crusher and screen in tons per hour and tons per year.
5. Describe the nominal material size reduction (e.g. +2" / - ").
6. Enter the average percent moisture content of the material processed.
7. *Device Identification Number Instructions* in the *Reference Document* for Control Device ID prefixes and numbering. Enter the appropriate Control Device Identification Number for each crusher and screen. Refer to Table A - *Control Device Listing and Control*
8. Enter the appropriate stack parameters if a baghouse control device is used.
9. Enter the maximum operating schedule for each crusher and screen in hours per day, days per year and hours per year.
10. Enter the estimated percentage of operation throughout the year for each crusher and screen.



### CONVEYING AFFECTED SOURCE SHEET

| Source Identification Number <sup>1</sup> | Date of Manufacture <sup>2</sup> | Type of Material Handled <sup>3</sup> | Size of Material Handled <sup>4</sup> | Maximum Material Transfer Rate <sup>5</sup> |           | Average Moisture Content (%) <sup>6</sup> | Control Device <sup>7</sup> |
|---|----------------------------------|---------------------------------------|---------------------------------------|---|-----------|---|-----------------------------|
|   |                                  |                                       |                                       | tons/hour                                   | tons/year |   |                             |
| BC-01                                     | 2005                             | RC                                    | 2x0                                   | 100   | 0         | 6   | PE                          |
| BC-02                                     | 2005                             | RC                                    | 2x0                                   | 100   | 0         | 6   | PE                          |
| BC-03                                     | 2004                             | RC                                    | 2x0                                   | 100   | 0         | 6   | PE                          |
| BC-04                                     | 2004                             | RC                                    | 2x0                                   | 100   | 0         | 6   | PE                          |
| BC-05                                     | 2005                             | RC                                    | 2x0                                   | 100   | 0         | 6   | PE                          |
| BC-06                                     | 2005                             | RC                                    | 2x0                                   | 100   | 0         | 6   | PE                          |
| BC-07                                     | 2005                             | RC                                    | 2x0                                   | 100   | 0         | 6   | PE                          |
| BC-08                                     | 2005                             | RC                                    | 2x0                                   | 100   | 0         | 6   | PE                          |
| BC-09                                     | 1999                             | RC                                    | 2x0                                   | 100   | 0         | 6   | PE                          |
| BC-10                                     | 1999                             | RC                                    | 2x0                                   | 100   | 0         | 6   | PE                          |
| BC-11                                     | 2002                             | RC                                    | 2x0                                   | 100   | 0         | 6   | PE                          |
| BC-12                                     | 2005                             | RC                                    | 2x0                                   | 100   | 0         | 6   | PE                          |
| BC-13                                     | 2005                             | RC                                    | 2x0                                   | 100   | 0         | 6   | PE                          |
| BC-14                                     | 2005                             | RC                                    | 2x0                                   | 100   | 0         | 6   | PE                          |
| BC-15                                     | 2005                             | RC                                    | 2x0                                   | 100   | 0         | 6   | PE                          |
| BC-16                                     | 2005                             | RC                                    | 2x0                                   | 100   | 0         | 6   | PE                          |
| BC-17                                     | 2012                             | RC                                    | 2x0                                   | 1000  | 8,760,000 | 6   | PE                          |
| BC-18                                     | 2012                             | RC                                    | 2x0                                   | 1000  | 8,760,000 | 6   | PE                          |
| BC-19                                     | 2012                             | RC                                    | 2x0                                   | 1000  | 8,760,000 | 6   | PE                          |
| BC-20                                     | 2012                             | RC                                    | 2x0                                   | 1000  | 8,760,000 | 6   | PE                          |
| BC-21                                     | 2012                             | RC                                    | 2x0                                   | 1000  | 8,760,000 | 6   | PE                          |



### CONVEYING AFFECTED SOURCE SHEET

| Source Identification Number <sup>1</sup> | Date of Manufacture <sup>2</sup> | Type of Material Handled <sup>3</sup> | Size of Material Handled <sup>4</sup> | Maximum Material Transfer Rate <sup>5</sup> |            | Average Moisture Content (%) <sup>6</sup> | Control Device <sup>7</sup> |
|---|----------------------------------|---------------------------------------|---------------------------------------|---|------------|---|-----------------------------|
|   |                                  |                                       |                                       | tons/hour                                   | tons/year  |   |                             |
| BC-22                                     | 2012                             | RC                                    | 2x0                                   | 1000  | 8,760,000  | 6   | PE                          |
| BC-23                                     | 1993                             | RC                                    | 2x0                                   | 1000  | 8,760,000  | 6   | PE                          |
| BC-24                                     | 1997                             | RC                                    | 2x0                                   | 1000  | 8,760,000  | 6   | PE                          |
| BC-25                                     | 1997                             | RC                                    | 2x0                                   | 1000  | 8,760,000  | 6   | PE                          |
| BC-26                                     | 1997                             | RC                                    | 2x0                                   | 1000  | 8,760,000  | 6   | PE                          |
| BC-27                                     | 1997                             | RC                                    | 2x0                                   | 1000  | 8,760,000  | 6   | PE                          |
| BC-28                                     | 1997                             | RC                                    | 2x0                                   | 1000  | 8,760,000  | 6   | PE                          |
| BC-29                                     | 1997                             | RC                                    | 2x0                                   | 1000  | 4,380,000  | 6   | PE                          |
| BC-30                                     | 1997                             | RC                                    | 2x0                                   | 1000  | 4,380,000  | 6   | PE                          |
| BC-31                                     | 1997                             | RC                                    | 2x0                                   | 1000  | 8,760,000  | 6   | PE                          |
| BC-32                                     | 1997                             | RC                                    | 2x0                                   | 800   | 2,190,000  | 6   | PE                          |
| BC-33                                     | 1997                             | RC                                    | 2x0                                   | 800   | 2,190,000  | 6   | PE                          |
| BC-34                                     | 1997                             | RC                                    | 2x0                                   | 800   | 2,190,000  | 6   | PE                          |
| BC-35                                     | 2005                             | RC                                    | 2x0                                   | 1800  | 15,330,000 | 6   | PE                          |
| BC-36                                     | 2005                             | RC                                    | 2x0                                   | 1800  | 1,033,000  | 6   | PE                          |
| BC-37                                     | 2005                             | RC                                    | 2x0                                   | 1800  | 15,330,000 | 6   | PE                          |
| BC-38                                     | 1993                             | CC                                    | 2x0                                   | 180   | 1,576,800  | 6   | FE                          |
| BC-39                                     | 1997                             | CC                                    | 2x0                                   | 1000  | 8,760,000  | 7   | PE                          |
| BC-40                                     | 1997                             | CC                                    | 2x0                                   | 1000  | 8,760,000  | 7   | PE                          |
| BC-41                                     | 1997                             | CC                                    | 2x0                                   | 1000  | 5,840,000  | 7   | PE                          |
| BC-42                                     | 1997                             | CC                                    | 2x0                                   | 1000  | 2,920,000  | 7   | PE                          |



## STORAGE ACTIVITY AFFECTED SOURCE SHEET

| Source Identification Number <sup>1</sup>                  | Winifrede BS-01 | Winifrede BS-02 | Winifrede BS-03 | Harris BS-04 | Harris BS-05 |
|--|-----------------|-----------------|-----------------|--------------|--------------|
| Type of Material Stored <sup>2</sup>                       | RC              | RC              | RC              | RC           | RC           |
| Average Moisture Content (%) <sup>3</sup>                  | 6               | 6               | 6               | 6            | 6            |
| Maximum Yearly Storage Throughput (tons) <sup>4</sup>      | 0               | 0               | 0               | 4,380,000    | 4,380,000    |
| Maximum Storage Capacity (tons) <sup>5</sup>               | 100             | 40              | 100             | 100          | 100          |
| Maximum Base Area (ft <sup>2</sup> ) <sup>6</sup>          |                 |                 |                 |              |              |
| Maximum Pile Height (ft) <sup>7</sup>                      |                 |                 |                 |              |              |
| Method of Material Load-in <sup>8</sup>                    | TD              | SS              | TD              | SS           | SS           |
| Load-in Control Device Identification Number <sup>9</sup>  | UD-PW           | TC-FE           | UD-PW           | TC-PE        | TC-PE        |
| Storage Control Device Identification Number <sup>9</sup>  | PW              | FE              | PW              | FE           | FE           |
| Method of Material Load-out <sup>8</sup>                   | SS              | FC              | SS              | TC           | TC           |
| Load-out Control Device Identification Number <sup>9</sup> | TC-FE           | LO-MDH          | TC-FE           | TC-FE        | TC-FE        |

1. Enter the appropriate Source Identification Number for each storage activity using the following codes. For example, if the facility utilizes three storage bins, four open stockpiles and one storage building (full enclosure), the Source Identification Numbers should be BS-1, BS-2, and BS-3; OS-1, OS-2, OS-3, and OS-4; and SB-1, respectively.

|   |                                      |
|---|--------------------------------------|
| BS Bin or Storage Silo (full enclosure) | E3 Enclosure (three sided enclosure) |
| OS Open Stockpile                       | SB Storage Building (full enclosure) |
| SF Stockpiles with wind fences          | OT Other                             |

2. Describe the type of material stored or stockpiled (e.g. clean coal, raw coal, refuse, etc).  
 3. Enter the average percent moisture content of the stored material.  
 4. Enter the maximum yearly storage throughput for each storage activity.  
 5. Enter the maximum storage capacity for each storage activity in tons (e.g. silo capacity, maximum stockpile size, etc.)  
 6. For stockpiles, enter the maximum stockpile base area.  
 7. For stockpiles, enter the maximum stockpile height.  
 8. Enter the method of load-in or load-out to/from stockpiles or bins using the following codes:

|   |                                |
|---|--------------------------------|
| CS Clamshell                                | SS Stationary Conveyor/Stacker |
| FC Fixed Height Chute from Bins             | ST Stacking Tube               |
| FE Front Endloader                          | TC Telescoping Chute from Bins |
| MC Mobile Conveyor/Stacker                  | TD Truck Dump                  |
| UC Under-pile or Under-Bin Reclaim Conveyor | PC Pneumatic Conveyor/Stacker  |
| RC Rake or Bucket Reclaim Conveyor          | OT Other                       |

## STORAGE ACTIVITY AFFECTED SOURCE SHEET

| Source Identification Number <sup>1</sup>                  | Rocklick<br>BS-06 | Rocklick<br>BS-07 | Loadout<br>BS-08 | Refuse<br>BS-09 |  |
|--|-------------------|-------------------|------------------|-----------------|--|
| Type of Material Stored <sup>2</sup>                       | RC                | RC                | RC               | RC              |  |
| Average Moisture Content (%) <sup>3</sup>                  | 6                 | 6                 | 7                | 15              |  |
| Maximum Yearly Storage Throughput (tons) <sup>4</sup>      | 2,190,000         | 2,190,000         | 8,760,000        | 8,760,000       |  |
| Maximum Storage Capacity (tons) <sup>5</sup>               | 100               | 100               | 300              | 400             |  |
| Maximum Base Area (ft <sup>2</sup> ) <sup>6</sup>          |                   |                   |                  |                 |  |
| Maximum Pile Height (ft) <sup>7</sup>                      |                   |                   |                  |                 |  |
| Method of Material Load-in <sup>8</sup>                    | TD                | TD                | SS               | SS              |  |
| Load-in Control Device Identification Number <sup>9</sup>  | UD-PW             | UD-PW             | TC-FE            | TC-FE           |  |
| Storage Control Device Identification Number <sup>9</sup>  | PW                | PW                | FE               | FE              |  |
| Method of Material Load-out <sup>8</sup>                   | SS                | SS                | TC               | FC              |  |
| Load-out Control Device Identification Number <sup>9</sup> | TC-FE             | TC-FE             | LR-TC            | LO-MDH          |  |

1. Enter the appropriate Source Identification Number for each storage activity using the following codes. For example, if the facility utilizes three storage bins, four open stockpiles and one storage building (full enclosure), the Source Identification Numbers should be BS-1, BS-2, and BS-3; OS-1, OS-2, OS-3, and OS-4; and SB-1, respectively.

|   |                                      |
|---|--------------------------------------|
| BS Bin or Storage Silo (full enclosure) | E3 Enclosure (three sided enclosure) |
| OS Open Stockpile                       | SB Storage Building (full enclosure) |
| SF Stockpiles with wind fences          | OT Other                             |

2. Describe the type of material stored or stockpiled (e.g. clean coal, raw coal, refuse, etc).  
 3. Enter the average percent moisture content of the stored material.  
 4. Enter the maximum yearly storage throughput for each storage activity.  
 5. Enter the maximum storage capacity for each storage activity in tons (e.g. silo capacity, maximum stockpile size, etc.)  
 6. For stockpiles, enter the maximum stockpile base area.  
 7. For stockpiles, enter the maximum stockpile height.  
 8. Enter the method of load-in or load-out to/from stockpiles or bins using the following codes:

|   |                                |
|---|--------------------------------|
| CS Clamshell                                | SS Stationary Conveyor/Stacker |
| FC Fixed Height Chute from Bins             | ST Stacking Tube               |
| FE Front Endloader                          | TC Telescoping Chute from Bins |
| MC Mobile Conveyor/Stacker                  | TD Truck Dump                  |
| UC Under-pile or Under-Bin Reclaim Conveyor | PC Pneumatic Conveyor/Stacker  |
| RC Rake or Bucket Reclaim Conveyor          | OT Other                       |

## STORAGE ACTIVITY AFFECTED SOURCE SHEET

| Source Identification Number <sup>1</sup>                  | Winifrede OS-01 | Winifrede OS-02 | Winifrede OS-03 | Winifrede OS-04 | Winifrede OS-05 |
|--|-----------------|-----------------|-----------------|-----------------|-----------------|
| Type of Material Stored <sup>2</sup>                       | RC              | RC              | RC              | RC              | RC              |
| Average Moisture Content (%) <sup>3</sup>                  | 6               | 6               | 6               | 6               | 6               |
| Maximum Yearly Storage Throughput (tons) <sup>4</sup>      | 0               | 0               | 0               | 0               | 0               |
| Maximum Storage Capacity (tons) <sup>5</sup>               | 40,000          | 40,000          | 40,000          | 10,000          | 50,000          |
| Maximum Base Area (ft <sup>2</sup> ) <sup>6</sup>          | 88869           | 88869           | 88869           | 18,869          | 108,869         |
| Maximum Pile Height (ft) <sup>7</sup>                      | 75              | 75              | 75              | 35              | 50              |
| Method of Material Load-in <sup>8</sup>                    | SS              | SS              | SS              | Chute           | SS              |
| Load-in Control Device Identification Number <sup>9</sup>  | TC-PE/ST        | TC-PE/ST        | TC-MDH          | UD-MDH          | TC-MDH          |
| Storage Control Device Identification Number <sup>9</sup>  | SW-WS           | SW-WS           | SW-WS           | SW-WS           | SW-WS           |
| Method of Material Load-out <sup>8</sup>                   | UC              | UC              | UC              | End Loader      | UC              |
| Load-out Control Device Identification Number <sup>9</sup> | LO-UC           | LO-UC           | LO-UC           | LO-MDH          | LO-UC           |

1. Enter the appropriate Source Identification Number for each storage activity using the following codes. For example, if the facility utilizes three storage bins, four open stockpiles and one storage building (full enclosure), the Source Identification Numbers should be BS-1, BS-2, and BS-3; OS-1, OS-2, OS-3, and OS-4; and SB-1, respectively.

BS Bin or Storage Silo (full enclosure)  
 OS Open Stockpile  
 SF Stockpiles with wind fences

E3 Enclosure (three sided enclosure)  
 SB Storage Building (full enclosure)  
 OT Other

2. Describe the type of material stored or stockpiled (e.g. clean coal, raw coal, refuse, etc).
3. Enter the average percent moisture content of the stored material.
4. Enter the maximum yearly storage throughput for each storage activity.
5. Enter the maximum storage capacity for each storage activity in tons (e.g. silo capacity, maximum stockpile size, etc.)
6. For stockpiles, enter the maximum stockpile base area.
7. For stockpiles, enter the maximum stockpile height.
8. Enter the method of load-in or load-out to/from stockpiles or bins using the following codes:
- |   |                                |
|---|--------------------------------|
| CS Clamshell                                | SS Stationary Conveyor/Stacker |
| FC Fixed Height Chute from Bins             | ST Stacking Tube               |
| FE Front Endloader                          | TC Telescoping Chute from Bins |
| MC Mobile Conveyor/Stacker                  | TD Truck Dump                  |
| UC Under-pile or Under-Bin Reclaim Conveyor | PC Pneumatic Conveyor/Stacker  |
| RC Rake or Bucket Reclaim Conveyor          | OT Other                       |

## STORAGE ACTIVITY AFFECTED SOURCE SHEET

| Source Identification Number <sup>1</sup>                  | Harris OS-06 | Harris OS-07 | Harris OS-08 | Harris OS-09 | Harris OS-10 |
|--|--------------|--------------|--------------|--------------|--------------|
| Type of Material Stored <sup>2</sup>                       | RC           | RC           | RC           | RC           | RC           |
| Average Moisture Content (%) <sup>3</sup>                  | 6            | 6            | 6            | 6            | 6            |
| Maximum Yearly Storage Throughput (tons) <sup>4</sup>      | 4,380,000    | 4,380,000    | 2,190,000    | 4,380,000    | 4,380,000    |
| Maximum Storage Capacity (tons) <sup>5</sup>               | 40,000       | 40,000       | 50,000       | 50,000       | 50,000       |
| Maximum Base Area (ft <sup>2</sup> ) <sup>6</sup>          | 104,000      | 104,000      | 88,869       | 128,869      | 128,869      |
| Maximum Pile Height (ft) <sup>7</sup>                      | 75           | 75           | 60           | 75           | 75           |
| Method of Material Load-in <sup>8</sup>                    | SS           | SS           | TD           | SS           | SS           |
| Load-in Control Device Identification Number <sup>9</sup>  | TC-PE/ST     | TC-PE/ST     | TC-MDH       | TC-PE/ST     | TC-PE/ST     |
| Storage Control Device Identification Number <sup>9</sup>  | SW-WS        | SW-WS        | SW-WS        | SW-WS        | SW-WS        |
| Method of Material Load-out <sup>8</sup>                   | UC           | UC           | End Loader   | UC           | UC           |
| Load-out Control Device Identification Number <sup>9</sup> | LO-UC        | LO-UC        | LO-MDH       | LO-UC        | LO-UC        |

- Enter the appropriate Source Identification Number for each storage activity using the following codes. For example, if the facility utilizes three storage bins, four open stockpiles and one storage building (full enclosure), the Source Identification Numbers should be BS-1, BS-2, and BS-3; OS-1, OS-2, OS-3, and OS-4; and SB-1, respectively.
 

|    |                                      |    |                                   |
|----|--------------------------------------|----|-----------------------------------|
| BS | Bin or Storage Silo (full enclosure) | E3 | Enclosure (three sided enclosure) |
| OS | Open Stockpile                       | SB | Storage Building (full enclosure) |
| SF | Stockpiles with wind fences          | OT | Other                             |
- Describe the type of material stored or stockpiled (e.g. clean coal, raw coal, refuse, etc).
- Enter the average percent moisture content of the stored material.
- Enter the maximum yearly storage throughput for each storage activity.
- Enter the maximum storage capacity for each storage activity in tons (e.g. silo capacity, maximum stockpile size, etc.)
- For stockpiles, enter the maximum stockpile base area.
- For stockpiles, enter the maximum stockpile height.
- Enter the method of load-in or load-out to/from stockpiles or bins using the following codes:
 

|    |  |    |                             |
|----|--|----|-----------------------------|
| CS | Clamshell                                | SS | Stationary Conveyor/Stacker |
| FC | Fixed Height Chute from Bins             | ST | Stacking Tube               |
| FE | Front Endloader                          | TC | Telescoping Chute from Bins |
| MC | Mobile Conveyor/Stacker                  | TD | Truck Dump                  |
| UC | Under-pile or Under-Bin Reclaim Conveyor | PC | Pneumatic Conveyor/Stacker  |
| RC | Rake or Bucket Reclaim Conveyor          | OT | Other                       |

## STORAGE ACTIVITY AFFECTED SOURCE SHEET

| Source Identification Number <sup>1</sup>                  | Plant OS-11 | Plant OS-12 | Plant OS-13 | Plant OS-14 | Plant OS-15 | Plant OS-16 |
|--|-------------|-------------|-------------|-------------|-------------|-------------|
| Type of Material Stored <sup>2</sup>                       | RC          | RC          | RC          | CC          | CC          | CC          |
| Average Moisture Content (%) <sup>3</sup>                  | 6           | 6           | 6           | 7           | 7           | 7           |
| Maximum Yearly Storage Throughput (tons) <sup>4</sup>      | 4,380,000   | 4,380,000   | 6,570,000   | 2,920,000   | 2,920,000   | 2,920,000   |
| Maximum Storage Capacity (tons) <sup>5</sup>               | 40,000      | 40,000      | 75,000      | 40,000      | 40,000      | 40,000      |
| Maximum Base Area (ft <sup>2</sup> ) <sup>6</sup>          | 104,000     | 104,000     | 188,869     | 104,000     | 104,000     | 104,000     |
| Maximum Pile Height (ft) <sup>7</sup>                      | 75          | 75          | 75          | 75          | 75          | 75          |
| Method of Material Load-in <sup>8</sup>                    | SS          | SS          | SS/TD       | SS          | SS          | SS          |
| Load-in Control Device Identification Number <sup>9</sup>  | TC-PE/ST    | TC-PE/ST    | TC-PE/ST    | TC-PE/ST    | TC-PE/ST    | TC-PE/ST    |
| Storage Control Device Identification Number <sup>9</sup>  | SW-WS       | SW-WS       | SW-WS       | SW-WS       | SW-WS       | SW-WS       |
| Method of Material Load-out <sup>8</sup>                   | UC          | UC          | UC          | UC          | UC          | UC          |
| Load-out Control Device Identification Number <sup>9</sup> | LO-UC       | LO-UC       | LO-UC       | LO-UC       | LO-UC       | LO-UC       |

1. Enter the appropriate Source Identification Number for each storage activity using the following codes. For example, if the facility utilizes three storage bins, four open stockpiles and one storage building (full enclosure), the Source Identification Numbers should be BS-1, BS-2, and BS-3; OS-1, OS-2, OS-3, and OS-4; and SB-1, respectively.

BS Bin or Storage Silo (full enclosure)

OS Open Stockpile

SF Stockpiles with wind fences

E3 Enclosure (three sided enclosure)

SB Storage Building (full enclosure)

OT Other

2. Describe the type of material stored or stockpiled (e.g. clean coal, raw coal, refuse, etc).
3. Enter the average percent moisture content of the stored material.
4. Enter the maximum yearly storage throughput for each storage activity.
5. Enter the maximum storage capacity for each storage activity in tons (e.g. silo capacity, maximum stockpile size, etc.)
6. For stockpiles, enter the maximum stockpile base area.
7. For stockpiles, enter the maximum stockpile height.
8. Enter the method of load-in or load-out to/from stockpiles or bins using the following codes:
- |   |                                |
|---|--------------------------------|
| CS Clamshell                                | SS Stationary Conveyor/Stacker |
| FC Fixed Height Chute from Bins             | ST Stacking Tube               |
| FE Front Endloader                          | TC Telescoping Chute from Bins |
| MC Mobile Conveyor/Stacker                  | TD Truck Dump                  |
| UC Under-pile or Under-Bin Reclaim Conveyor | PC Pneumatic Conveyor/Stacker  |
| RC Rake or Bucket Reclaim Conveyor          | OT Other                       |





## ATTACHMENT H

### BAGHOUSE AIR POLLUTION CONTROL DEVICE SHEET *Not applicable for this facility*

Complete a Baghouse Air Pollution Control Device Sheet for each baghouse control device.

1. Baghouse Control Device Identification Number:
2. Manufacturer's name and model identification:
3. Number of compartments in baghouse:
4. Number of compartments online during normal operation and conditions:
5. Gas flow rate into baghouse: \_\_\_\_\_ ACFM @ \_\_\_\_\_ °F and \_\_\_\_\_ PSIA
6. Total cloth area: \_\_\_\_\_ ft<sup>2</sup>
7. Operating air to cloth ratio: \_\_\_\_\_ ft/min
8. Filter media type: \_\_\_\_\_
9. Stabilized static pressure drop across baghouse: \_\_\_\_\_ inches H<sub>2</sub>O
10. Baghouse operation is:  
 Continuous     Automatic     Intermittent
11. Method used to clean bags:  
 Shaker                       Pulse jet                       Reverse jet     Other
12. Emission rate of particulate matter entering and exiting baghouse at maximum design operating conditions:  
Entering baghouse: \_\_\_\_\_ lb/hr and \_\_\_\_\_ grains/ACF  
Exiting baghouse: \_\_\_\_\_ lb/hr and \_\_\_\_\_ grains/ACF
13. Guaranteed minimum baghouse collection efficiency: \_\_\_\_\_ %
14. Provide a written description of the capture system (e.g. hooding and ductwork arrangement), size of ductwork and hoods and air volume, capacity and operating horsepower of fan:
  
15. Describe the method of disposal for the collected material:





2. TRANSFER POINTS (including all conveyor transfer points, equipment transfer points etc.)

|     |  |      |       |
|-----|--|------|-------|
| k = | Particle Size Multiplier (dimensionless) | PM   | PM-10 |
| U = | Mean Wind Speed (mph)                    | 0.74 | 0.35  |
|     |  | 7    |       |

| Transfer Point ID No. | Transfer Point Description<br>Include ID Numbers of all conveyors, crushers, screens, stockpiles, etc. involved |           | Material Moisture Content % | Maximum Transfer Rate |           | Control Device ID Number | Control Efficiency % |
|-----------------------|---|-----------|-----------------------------|-----------------------|-----------|--------------------------|----------------------|
|                       |   |           |                             | TPH                   | TPY       |                          |                      |
| TP01                  | Truck to BS-01  | Winifrede | 6                           | 600                   | 0         | UD-PW                    | 80                   |
| TP02                  | BS-01 to BC-01  | Winifrede | 6                           | 600                   | 0         | TC-FE                    | 80                   |
| TP03                  | BC-01 to BC-02  | Winifrede | 6                           | 600                   | 0         | TC-FE                    | 80                   |
| TP04                  | BC-02 to OS-01  | Winifrede | 6                           | 600                   | 0         | TC-PE                    | 50                   |
| TP05                  | Winifrede Mine to BC-03   | Winifrede | 6                           | 600                   | 0         | TC-FE                    | 80                   |
| TP06                  | BC-03 to OS-03  | Winifrede | 6                           | 600                   | 0         | TC-MDH                   | 0                    |
| TP07                  | OS-03 to OS-02  | Winifrede | 6                           | 600                   | 0         | LO-UC                    | 80                   |
| TP08                  | OS-01 to BC-05  | Winifrede | 6                           | 600                   | 0         | LO-UC                    | 80                   |
| TP09                  | OS-02 to BC-04  | Winifrede | 6                           | 600                   | 0         | LO-UC                    | 80                   |
| TP10                  | OS-03 to BC-04  | Winifrede | 6                           | 600                   | 0         | LO-UC                    | 80                   |
| TP11                  | BC-04 to BS-02  | Winifrede | 6                           | 600                   | 0         | TC-FE                    | 80                   |
| TP12                  | BS-02 to Truck for delivery   | Winifrede | 6                           | 600                   | 0         | LO-MDH                   | 0                    |
| TP13                  | BC-05 to BC-06  | Winifrede | 6                           | 600                   | 0         | TC-FE                    | 80                   |
| TP14                  | BC-06 to OS-04  | Winifrede | 6                           | 600                   | 0         | TC-MDH                   | 0                    |
| TP15                  | OS-04 to Truck for delivery   | Winifrede | 6                           | 600                   | 0         | LO-MDH                   | 0                    |
| TP16                  | BC-06 to CR-01 Sampler  | Winifrede | 6                           | 5                     | 0         | TC-FE                    | 80                   |
| TP17                  | BC-06 to CR-02 DR   | Winifrede | 6                           | 600                   | 0         | TC-FE                    | 80                   |
| TP18                  | CR-02 to BC-07  | Winifrede | 6                           | 600                   | 0         | TC-FE                    | 80                   |
| TP19                  | BC-07 to BC-08  | Winifrede | 6                           | 600                   | 0         | TC-FE                    | 80                   |
| TP20                  | BC-08 to BC-12  | Winifrede | 6                           | 600                   | 0         | TC-FE                    | 80                   |
| TP21                  | Deep Mine 13A to BC-09  | Winifrede | 6                           | 600                   | 0         | TC-FE                    | 80                   |
| TP22                  | BC-09 to BC-10  | Winifrede | 6                           | 600                   | 0         | TC-FE                    | 80                   |
| TP23                  | BC-10 to BC-11  | Winifrede | 6                           | 600                   | 0         | TC-FE                    | 80                   |
| TP24                  | BC-11 to OS-05  | Winifrede | 6                           | 600                   | 0         | TC-MDH                   | 0                    |
| TP25                  | OS-05 to BC-12  | Winifrede | 6                           | 600                   | 0         | LO-UC                    | 80                   |
| TP26                  | BC-12 to BC-13  | Winifrede | 6                           | 600                   | 0         | TC-FE                    | 80                   |
| TP27                  | BC-13 to BC-14  | Winifrede | 6                           | 600                   | 0         | TC-FE                    | 80                   |
| TP28                  | BC-14 to BC-15  | Winifrede | 6                           | 600                   | 0         | TC-FE                    | 80                   |
| TP29                  | Truck to BS-03  | Winifrede | 6                           | 600                   | 0         | UD-PW                    | 80                   |
| TP30                  | BS-03 to BC-15  | Winifrede | 6                           | 600                   | 0         | TC-FE                    | 80                   |
| TP31                  | BC-15 to BC-16  | Winifrede | 6                           | 600                   | 0         | TC-FE                    | 80                   |
| TP32                  | BC-16 to OS-12  | Winifrede | 6                           | 600                   | 0         | TC-PE                    | 50                   |
| TP33                  | Black Oak to BC-17  | Harris    | 6                           | 1,000                 | 8,760,000 | TC-FE                    | 80                   |
| TP34                  | BC-17 to BC-18  | Harris    | 6                           | 1,000                 | 8,760,000 | TC-FE                    | 80                   |
| TP35                  | BC-18 to BS-04  | Harris    | 6                           | 1,000                 | 4,380,000 | TC-FE                    | 80                   |
| TP36                  | BS-04 to BC-19  | Harris    | 6                           | 1,000                 | 4,380,000 | TC-FE                    | 80                   |
| TP37                  | BC-18 to BS-05  | Harris    | 6                           | 1,000                 | 4,380,000 | TC-FE                    | 80                   |
| TP38                  | BS-05 to BC-19  | Harris    | 6                           | 1,000                 | 4,380,000 | TC-FE                    | 80                   |
| TP39                  | BC-19 to BC-20  | Harris    | 6                           | 1,000                 | 8,760,000 | TC-FE                    | 80                   |
| TP40                  | BC-20 to BC-21  | Harris    | 6                           | 1,000                 | 8,760,000 | TC-FE                    | 80                   |
| TP41                  | BC-21 to OS-06  | Harris    | 6                           | 1,000                 | 4,380,000 | TC-PE                    | 50                   |
| TP42                  | BC-21 to BC-22  | Harris    | 6                           | 1,000                 | 4,380,000 | TC-FE                    | 80                   |
| TP43                  | BC-22 to OS-07  | Harris    | 6                           | 1,000                 | 4,380,000 | TC-PE                    | 50                   |
| TP44                  | OS-06 to BC-23  | Harris    | 6                           | 1,000                 | 4,380,000 | LO-UC                    | 80                   |
| TP45                  | OS-07 to BC-23  | Harris    | 6                           | 1,000                 | 4,380,000 | LO-UC                    | 80                   |
| TP46                  | BC-23 to BC-24  | Harris    | 6                           | 1,000                 | 8,760,000 | TC-FE                    | 80                   |
| TP47                  | BC-24 to BC-25  | Harris    | 6                           | 1,000                 | 8,760,000 | TC-FE                    | 80                   |
| TP48                  | BC-25 to BC-26  | Harris    | 6                           | 1,000                 | 8,760,000 | TC-FE                    | 80                   |
| TP49                  | BC-26 to OS-13  | Harris    | 6                           | 1,000                 | 8,760,000 | TC-PE                    | 50                   |
| TP50                  | BC-25 to BC-27  | Harris    | 6                           | 1,000                 | 8,760,000 | TC-FE                    | 80                   |
| TP51                  | BC-27 to BC-28  | Harris    | 6                           | 1,000                 | 8,760,000 | TC-FE                    | 80                   |
| TP52                  | BC-28 to OS-09  | Harris    | 6                           | 1,000                 | 4,380,000 | TC-PE                    | 50                   |
| TP53                  | BC-28 to BC-29  | Harris    | 6                           | 1,000                 | 4,380,000 | TC-FE                    | 80                   |
| TP54                  | BC-29 to BC-30  | Harris    | 6                           | 1,000                 | 4,380,000 | TC-FE                    | 80                   |
| TP55                  | BC-30 to OS-10  | Harris    | 6                           | 1,000                 | 4,380,000 | TC-PE                    | 50                   |
| TP56                  | OS-09 to BC-31  | Harris    | 6                           | 1,000                 | 4,380,000 | LO-UC                    | 80                   |
| TP57                  | OS-10 to BC-31  | Harris    | 6                           | 1,000                 | 4,380,000 | LO-UC                    | 80                   |
| TP58                  | BC-31 to BC-44  | Harris    | 6                           | 1,000                 | 8,760,000 | TC-FE                    | 80                   |
| TP59                  | BC-31 to OS-13  | Harris    | 6                           | 1,000                 | 8,760,000 | TC-PE                    | 50                   |
| TP60                  | Truck to OS-08  | Harris    | 6                           | 250                   | 2,190,000 | UL-MDH                   | 0                    |
| TP61                  | Truck from OS-08  | Harris    | 6                           | 250                   | 2,190,000 | LO-MDH                   | 0                    |
| TP62                  | Truck to BS-06  | Rocklick  | 6                           | 250                   | 2,190,000 | UL-MDH                   | 0                    |
| TP63                  | BS-06 to BC-32  | Rocklick  | 6                           | 800                   | 2,190,000 | TC-FE                    | 80                   |

|       |                          |          |    |       |            |        |    |
|-------|--------------------------|----------|----|-------|------------|--------|----|
| TP64  | BC-32 to OS-11           | Rocklick | 6  | 800   | 2,190,000  | TC-FE  | 80 |
| TP65  | Truck to BS-07           | Rocklick | 6  | 250   | 2,190,000  | UL-MDH | 0  |
| TP66  | BS-07 to BC-33           | Rocklick | 6  | 800   | 2,190,000  | TC-FE  | 80 |
| TP67  | BC-33 to OS-12           | Rocklick | 6  | 800   | 2,190,000  | TC-PE  | 80 |
| TP68  | BC33 to BC-34            | Rocklick | 6  | 800   | 2,190,000  | TC-FE  | 0  |
| TP69  | BC-34 to OS-11           | Rocklick | 6  | 800   | 2,190,000  | TC-PE  | 50 |
| TP70  | Truck to OS-13           | Rocklick | 6  | 250   | 2,190,000  | UL-MDH | 0  |
| TP71  | Stockpile to Stockpile   | Rocklick | 6  | 250   | 2,190,000  | LO-MDH | 0  |
| TP72  | OS-11 to BC-35           | Rocklick | 6  | 1,800 | 4,380,000  | LO-UC  | 80 |
| TP73  | OS-12 to BC-35           | Rocklick | 6  | 1,800 | 4,380,000  | LO-UC  | 80 |
| TP74  | OS-13 to BC-35           | Rocklick | 6  | 1,800 | 6,570,000  | LO-UC  | 80 |
| TP75  | BC-35 to BC-37           | Rocklick | 6  | 1,800 | 5,110,000  | TC-FE  | 80 |
| TP76  | BC-35 to SS-01           | Rocklick | 6  | 1,800 | 10,220,000 | TC-FW  | 90 |
| TP77  | SS-01 to CR-03           | Rocklick | 6  | 1,800 | 10,220,000 | TC-FW  | 90 |
| TP78  | CR-03 to BC-37           | Rocklick | 6  | 1,800 | 10,220,000 | TC-FW  | 90 |
| TP79  | BC-37 to SS-02           | Rocklick | 6  | 1,800 | 10,220,000 | TC-FW  | 90 |
| TP80  | BC-37 to Plant           | Rocklick | 6  | 1,800 | 5,110,000  | TC-FW  | 90 |
| TP81  | CR-03 to BC-46           | Rocklick | 6  | 100   | 876,000    | TC-FE  | 80 |
| TP82  | SS-01 to BC-36           | Rocklick | 6  | 1,800 | 1,033,000  | TC-FW  | 90 |
| TP83  | BC-36 to Plant           | Rocklick | 6  | 1,800 | 1,033,000  | TC-FW  | 90 |
| TP84  | SS-02 to Wet Wash System | Rocklick | 6  | 1,800 | 10,220,000 | TC-FW  | 90 |
| TP85  | SS-02 to BC-38           | Rocklick | 6  | 180   | 1,576,800  | TC-FW  | 90 |
| TP86  | BC-38 to BC-39           | Rocklick | 6  | 180   | 1,576,800  | TC-FW  | 90 |
| TP87  | Plant BC-39              | Rocklick | 7  | 1,000 | 8,760,000  | TC-FW  | 90 |
| TP88  | BC-39 to BC-40           | Rocklick | 7  | 1,000 | 8,760,000  | TC-FE  | 80 |
| TP89  | BC-40 to CR-04 Sampler   | Rocklick | 7  | 5     | 43,800     | TC-FE  | 80 |
| TP90  | BC-40 to OS-14           | Rocklick | 7  | 1,000 | 2,920,000  | TC-PE  | 50 |
| TP91  | BC-40 to BC-41           | Rocklick | 7  | 1,000 | 5,840,000  | TC-FE  | 80 |
| TP92  | BC-41 to OS-15           | Rocklick | 7  | 1,000 | 2,920,000  | TC-PE  | 50 |
| TP93  | BC-41 to BC-42           | Rocklick | 7  | 1,000 | 2,920,000  | TC-FE  | 80 |
| TP94  | BC-42 to OS-16           | Rocklick | 7  | 1,000 | 2,920,000  | TC-PE  | 50 |
| TP95  | OS-16 to BC-43           | Rocklick | 7  | 4,000 | 2,920,000  | LO-UC  | 80 |
| TP96  | OS-15 to BC-43           | Rocklick | 7  | 4,000 | 2,920,000  | LO-UC  | 80 |
| TP97  | OS-14 to BC-43           | Rocklick | 7  | 4,000 | 2,920,000  | LO-UC  | 80 |
| TP98  | BC-43 to BC-44           | Rocklick | 7  | 4,000 | 8,760,000  | TC-FE  | 80 |
| TP99  | BC-44 to BS-08           | Rocklick | 7  | 4,000 | 8,760,000  | TC-FE  | 80 |
| TP100 | BS-08 to Railcar         | Rocklick | 7  | 4,000 | 8,760,000  | LR-TC  | 75 |
| TP101 | Plant to BC-45           | Fines    | 15 | 500   | 4,380,000  | TC-FW  | 90 |
| TP102 | BC-45 to BC-48           | Fines    | 15 | 500   | 4,380,000  | TC-FE  | 80 |
| TP103 | BC-46 to BC-48           |          | 6  | 100   | 876,000    | TC-FE  | 80 |
| TP104 | Plant to BC-47           | Coarse   | 15 | 1,000 | 8,760,000  | TC-FW  | 90 |
| TP105 | BC-47 to BC-48           | Coarse   | 15 | 1,000 | 8,760,000  | TC-FE  | 80 |
| TP106 | BC-48 to BC-49           |          | 15 | 1,000 | 8,760,000  | TC-FE  | 80 |
| TP107 | BC-49 to BC-50           |          | 15 | 1,000 | 8,760,000  | TC-FE  | 80 |
| TP108 | BC-50 to BS-09           |          | 15 | 1,000 | 8,760,000  | TC-FE  | 80 |
| TP109 | BS-09 to Truck           |          | 15 | 1,000 | 8,760,000  | LO-MDH | 0  |
| TP110 | Truck to Disposal Area   |          | 15 | 1,000 | 8,760,000  | UL-MDH | 0  |
|       |                          |          |    |       |            |        |    |

**3. WIND EROSION OF STOCKPILES (including all stockpiles of raw coal, clean coal, coal refuse, etc.)**

|     |  |     |
|-----|--|-----|
| p = | number of days per year with precipitation >0.01 inch                                      | 157 |
| f = | percentage of time that the unobstructed wind speed exceeds 12 mph at the mean pile height | 20  |

| Source ID No. | Stockpile Description | Silt Content of Material % | Stockpile base area Max. sqft | Control Device ID Number | Control Efficiency % |
|---------------|-----------------------|----------------------------|-------------------------------|--------------------------|----------------------|
| OS01          | Winifrede RC          | 5                          | 0                             | SW-WS                    | 75                   |
| OS02          | Winifrede RC          | 5                          | 0                             | SW-WS                    | 75                   |
| OS03          | Winifrede RC          | 5                          | 0                             | SW-WS                    | 75                   |
| OS04          | Winifrede RC          | 5                          | 0                             | SW-WS                    | 75                   |
| OS05          | Winifrede RC          | 5                          | 0                             | SW-WS                    | 75                   |
| OS06          | Raw Coal              | 5                          | 104,000                       | SW-WS                    | 75                   |
| OS07          | Raw Coal              | 5                          | 104,000                       | SW-WS                    | 75                   |
| OS08          | Harris Excess         | 5                          | 88,869                        | SW-WS                    | 75                   |
| OS09          | DS- Harris            | 3                          | 128,869                       | SW-WS                    | 75                   |
| OS10          | DS- Harris            | 3                          | 128,869                       | SW-WS                    | 75                   |
| OS11          | Clean Coal            | 3                          | 104,000                       | SW-WS                    | 75                   |
| OS12          | Raw Coal              | 5                          | 104,000                       | SW-WS                    | 75                   |
| OS13          | Raw Coal              | 5                          | 188,869                       | SW-WS                    | 75                   |
| OS-14         | Clean Coal            | 3                          | 104,000                       | SW-WS                    | 75                   |
| OS-15         | Clean Coal            | 3                          | 104,000                       | SW-WS                    | 75                   |
| OS-16         | Clean Coal            | 3                          | 104,000                       | SW-WS                    | 75                   |

**4. UNPAVED HAULROADS (including all equipment traffic involved in process, haul trucks, endloaders, etc.)**

|                    |  |     |
|--------------------|--|-----|
| s =                | silt content of road surface material (%)              | 9   |
| p =                | number of days per year with precipitation >0.01 inch  | 157 |
| M <sub>dry</sub> = | surface material moisture content (%) - dry conditions | 0.2 |

| Item Number | Description                             | Number of wheels | Mean Vehicle Weight(tons) | Mean Vehicle Speed (mph) | Miles per Trip | Maximum Trips Per Hour | Maximum Trips Per Year | Control Device ID Number | Control Efficiency % |
|-------------|---|------------------|---------------------------|--------------------------|----------------|------------------------|------------------------|--------------------------|----------------------|
| 1           | Truck to BS-01 idle                     | 18               | 45                        | 10                       | 1              | 0                      | 0                      | HR-WS                    | 70                   |
| 2           | Truck from BS-02 idle                   | 18               | 45                        | 15                       | 1              | 0                      | 0                      | HR-WS                    | 70                   |
| 3           | Truck to BS-03 idle                     | 18               | 45                        | 15                       | 1              | 0                      | 0                      | HR-WS                    | 70                   |
| 4           | Truck to OS-08 2190000                  | 6                | 70                        | 15                       | 1              | 3.57                   | 31,285                 | HR-WS                    | 70                   |
| 5           | Truck from OS-04 idle                   | 18               | 45                        | 15                       | 1              | 0                      | 0                      | HR-WS                    | 70                   |
| 6           |   |                  |                           |                          |                |                        |                        |                          |                      |
| 7           |   |                  |                           |                          |                |                        |                        |                          |                      |
| 8           | Endloader/dozers working 2,000,000 tons | 4                | 30                        | 5                        | 0.01           | 7.6                    | 66,666                 | HR-WS                    | 70                   |

**5. INDUSTRIAL PAVED HAULROADS (including all equipment traffic involved in process, haul trucks, endloaders, etc.)**

|      |   |     |
|------|---|-----|
| sL = | road surface silt loading, (g/ft^2)                   | 1   |
| P =  | number of days per year with precipitation >0.01 inch | 157 |

| Item Number | Description          | Mean Vehicle Weight (tons) | Miles per Trip | Maximum Trips Per Hour | Maximum Trips Per Year | Control Device ID Number | Control Efficiency % |
|-------------|----------------------|----------------------------|----------------|------------------------|------------------------|--------------------------|----------------------|
| 1           | Plant Dump Bin BS-06 | 45                         | 1              | 11                     | 97,333                 | HR-WS                    | 70                   |
| 2           | Plant Dump Bin BS-06 | 45                         | 1              | 11                     | 97,333                 | HR-WS                    | 70                   |
| 3           | Truck Dump to OS-03  | 45                         | 1              | 11                     | 97,333                 | HR-WS                    | 70                   |
| 4           |                      |                            |                |                        |                        |                          |                      |
| 5           |                      |                            |                |                        |                        |                          |                      |
| 6           |                      |                            |                |                        |                        |                          |                      |
| 7           |                      |                            |                |                        |                        |                          |                      |
| 8           |                      |                            |                |                        |                        |                          |                      |

Legal Advertisement

**AIR QUALITY PERMIT NOTICE  
Notice of Application**

Notice is given that Rockwell Mining, LLC has applied to the West Virginia Department of Environmental Protection, Division of Air Quality, for a General Permit Registration for a preparation plant and railcar loadout facility located on Route 85 near Wharton in Boone County, West Virginia. The location coordinates for the facility are: latitude 37.842689 and longitude -81.630033.

The applicant estimates the potential to discharge the following Regulated Air Pollutants will be: particulate matter baseline emissions of 173 ton per year, point source emissions particulate matter less than 10 microns total of 81 tons per year, and the controlled facility emission total of 377 tons per year.

Startup of operation is planned to begin upon permit approval. Written comments will be received by the West Virginia Department of Environmental Protection, Division of Air Quality, 601 57<sup>th</sup> Street, SE, Charleston, WV 25304, for at least 30 calendar days from the date of publication of this notice.

Any questions regarding this permit application should be directed to the DAQ at (304) 926-0499, extension 1227, during normal business hours.

Dated this the 17th day of August 2016

By: Rockwell Mining, LLC  
D. Edward Brown  
Vice President  
3228 Summit Square Place  
Suite 180  
Lexington, KY 40509

**ATTACHMENT K**

**ELECTRONIC SUBMITTAL**

**LOCATED IN ORIGINAL COPY OF REGISTRATION  
APPLICATION**



**SECTION III. ATTACHMENTS AND SUPPORTING DOCUMENTS**

PLEASE CHECK ALL ATTACHMENTS INCLUDED WITH THIS PERMIT APPLICATION:

Please See the appropriate reference document for an explanation of the attachments listed below.

- **ATTACHMENT A : CURRENT BUSINESS CERTIFICATE**
- **ATTACHMENT B: PROCESS DESCRIPTION**
- **ATTACHMENT C: DESCRIPTION OF FUGITIVE EMISSIONS**
- **ATTACHMENT D: PROCESS FLOW DIAGRAM**
- **ATTACHMENT E: PLOT PLAN**
- **ATTACHMENT F: AREA MAP**
- **ATTACHMENT G: AFFECTED SOURCE SHEETS**
- **ATTACHMENT H: BAGHOUSE AIR POLLUTION CONTROL DEVICE SHEET**
- **ATTACHMENT I: EMISSIONS CALCULATIONS**
- **ATTACHMENT J: CLASS I LEGAL ADVERTISEMENT**
- **ATTACHMENT K: ELECTRONIC SUBMITTAL DISKETTE**
- **CERTIFICATION OF INFORMATION**
- **APPLICATION FEE**

PLEASE MAIL AN ORIGINAL AND TWO COPIES OF THE COMPLETE GENERAL PERMIT REGISTRATION APPLICATION WITH THE SIGNATURE(S) TO THE DAQ PERMITTING SECTION AT THE ADDRESS SHOWN ON THE FRONT PAGE. PLEASE DO NOT FAX PERMIT APPLICATIONS. FOR QUESTIONS REGARDING APPLICATIONS OR WEST VIRGINIA AIR POLLUTION RULES AND REGULATIONS PLEASE CALL (304) 926-3727.