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west virginia department of environmental protection

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Office of Oil and Gas  
601 57<sup>th</sup> Street, S.E.  
Charleston, WV 25304  
(304) 926-0450  
fax: (304) 926-0452

Harold D. Ward, Cabinet Secretary  
[www.dep.wv.gov](http://www.dep.wv.gov)

Friday, October 14, 2022  
WELL WORK PLUGGING PERMIT  
Vertical Plugging

CARTER ROAG COAL COMPANY  
109 APPALACHIAN DR.

BECKLEY, WV 25801

Re: Permit approval for 14355  
47-081-01372-00-00

This well work permit is evidence of permission granted to perform the specified well work at the location described on the attached pages and located on the attached plat, subject to the provisions of Chapter 22 of the West Virginia Code of 1931, as amended, and all rules and regulations promulgated thereunder, and to any additional specific conditions and provisions outlined in the pages attached hereto. Notification shall be given by the operator to the Oil and Gas Inspector at least 24 hours prior to the construction of roads, locations, and/or pits for any permitted work. In addition, the well operator shall notify the same inspector 24 hours before any actual well work is commenced and prior to running and cementing casing. Spills or emergency discharges must be promptly reported by the operator to 1-800-642-3074 and to the Oil and Gas Inspector.

Upon completion of the plugging well work, the above named operator will reclaim the site according to the provisions of WV Code 22-6-30. Please be advised that form WR-38, Affidavit of Plugging and Filling Well, is to be submitted to this office within 90 days of completion of permitted well work, as should form WR-34 Discharge Monitoring Report within 30 days of discharge of pits, if applicable. Failure to abide by all statutory and regulatory provisions governing all duties and operations hereunder may result in suspension or revocation of this permit and, in addition, may result in civil and/or criminal penalties being imposed upon the operators.

Per 35 CSR 4-5.2.g this permit will expire in two (2) years from the issue date unless permitted well work is commenced. If there are any questions, please feel free to contact me at (304) 926- 0450.

James A. Martin  
Chief

Operator's Well Number: 14355  
Farm Name: POCAHONTAS LAND CORP.  
U.S. WELL NUMBER: 47-081-01372-00-00  
Vertical Plugging  
Date Issued: 10/14/2022

Promoting a healthy environment.

10/14/2022

I

4708101372A

## PERMIT CONDITIONS

West Virginia Code § 22-6-11 allows the Office of Oil and Gas to place specific conditions upon this permit. Permit conditions have the same effect as law. Failure to adhere to the specified permit conditions may result in enforcement action.

### CONDITIONS

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1. All pits must be lined with a minimum of 20 mil thickness synthetic liner.
2. In the event of an accident or explosion causing loss of life or serious personal injury in or about the well or while working on the well, the well operator or its contractor shall give notice, stating the particulars of the accident or explosion, to the oil and gas inspector and the Chief within twenty-four (24) hours.
3. Well work activities shall not constitute a hazard to the safety of persons.

~~CONFIDENTIAL~~

10/14/2022

FORM WW-4B  
(Rev. 2/01)

1) Date 03-31-22  
2) Operator's  
Well No. 14355  
3) API Well No. 047 - 081 - 01372

STATE OF WEST VIRGINIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
OFFICE OF OIL AND GAS

ck No. 0810004361  
\$100.00  
6/23/22

APPLICATION FOR A PERMIT TO PLUG AND ABANDON

- 4) Well Type: Oil  / Gas  / Liquid injection  / Waste disposal  /  
(If "Gas", Production  Or Underground storage  ) Deep  / Shallow
- 5) Location: Elevation \_\_\_\_\_ Watershed \_\_\_\_\_  
District \_\_\_\_\_ County \_\_\_\_\_ Quadrangle \_\_\_\_\_
- 6) Well Operator Carter Roag Coal Company 7) Designated Agent Terry Hamrick  
Address 109 Appalachian Drive Address 109 Appalachian Drive  
Beckley, WV 25801 Beckley, WV 25801  
*Phone: 304-237-4661*
- 8) Oil and Gas Inspector to be notified 9) Plugging Contractor  
Name Gary Kennedy Name \_\_\_\_\_  
Address 66 Old Church Lane Address \_\_\_\_\_  
Pipestem, WV 25979

10) Work Order: The work order for the manner of plugging this well is as follows:

SEE ATTACHED PROCEDURE

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JUL 18 2022

WV Department of  
Environmental Protection

Notification must be given to the district oil and gas inspector 24 hours before permitted work can commence.

Work order approved by inspector GARY KENNEDY Date 9/13/2022  
*gvm*

10/14/2022

4708101372P

PLUGGING PROCEDURE  
047-081-01372  
14355

## WELL DATA

Surf. Ele. 2108  
TD

Casing:	Size (in)	Depth (ft)	Wt (#/ft)	Range	Cement "sand in"
	12.75	22			140 sks
	9.625	420			170 sks
	7	1018			180 sks
	4.5	3874			

Perforation: 3681-3691, 2814-2820 Packer: NA

Coals:	Depth	Thickness	Elevation	Seam
	50	1	2058	
	60	1	2048	Pocahontas No. 5
	189	1	1919	
	200	1	1908	U. Pocahontas No. 4
	315	1	1793	Pocahontas No. 4
	376	14	1732	Pocahontas No. 3
	444	1	1664	Pocahontas No. 2

PROCEDURE *Check & Record Rock Pressures*

1. Move in Rig up. Run tubing to Check TD. Pull one joint of tubing. Pump 10 bbls 6% gel.
2. Pump 46 cubic feet (cf) of Class A cement from 3874-3374' (P1). Displace with 6% gel.
3. Pull tubing to 3374' depth. Pump 8 bbls of 6% gel. Pull tubing to 2900' depth.
4. Pump 23 cf of Class A cement from 2900'-2650' (P2). Displace with 6% gel.
5. Pull remaining tubing.
6. Freepoint 4-1/2" casing (estimated to be 2250'). Cut casing at freepoint, pull remaining casing.
7. Run tubing to 2200'. Pump 8 bbls of 6% gel. Pump 43 cf of Class A cement from 2200'-2000' (P3). Displace with 6% gel.
8. Pull tubing to 2000' depth. Pump 36 bbls 6% gel spacer. Pull tubing to 1068' depth.
9. Pump 34 cf Class A cement from 1068'-918' (P4). Displace with 6% gel.
10. Pull tubing to 500' depth. Pump 18 bbls 6% gel spacer.
11. Pump 117 cf Class A cement from 500' depth to surface in two lifts (250' each) (P5). Pull remaining tubing. Top off well.
12. Erect monument with welded API number and Well Number.

## SUMMARY

Plug 1:	3374-3874', 46 cf (39 sks)	kill well: 10 bbls 6% gel.
Plug 2:	2650-2900', 23 cf (20 sks)	spacer 1: 7.7 bbls 6% gel.
Plug 3:	2000-2200', 43 cf (37 sks)	spacer 2: 8.2 bbls 6% gel.
Plug 4:	918-1068', 34 cf (28 sks)	spacer 3: 36 bbls 6% gel.
Plug 5:	500-0', 117 cf (100 sks).	spacer 4: 18 bbls 6% gel.

*[Signature]*  
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SEP 13 2022

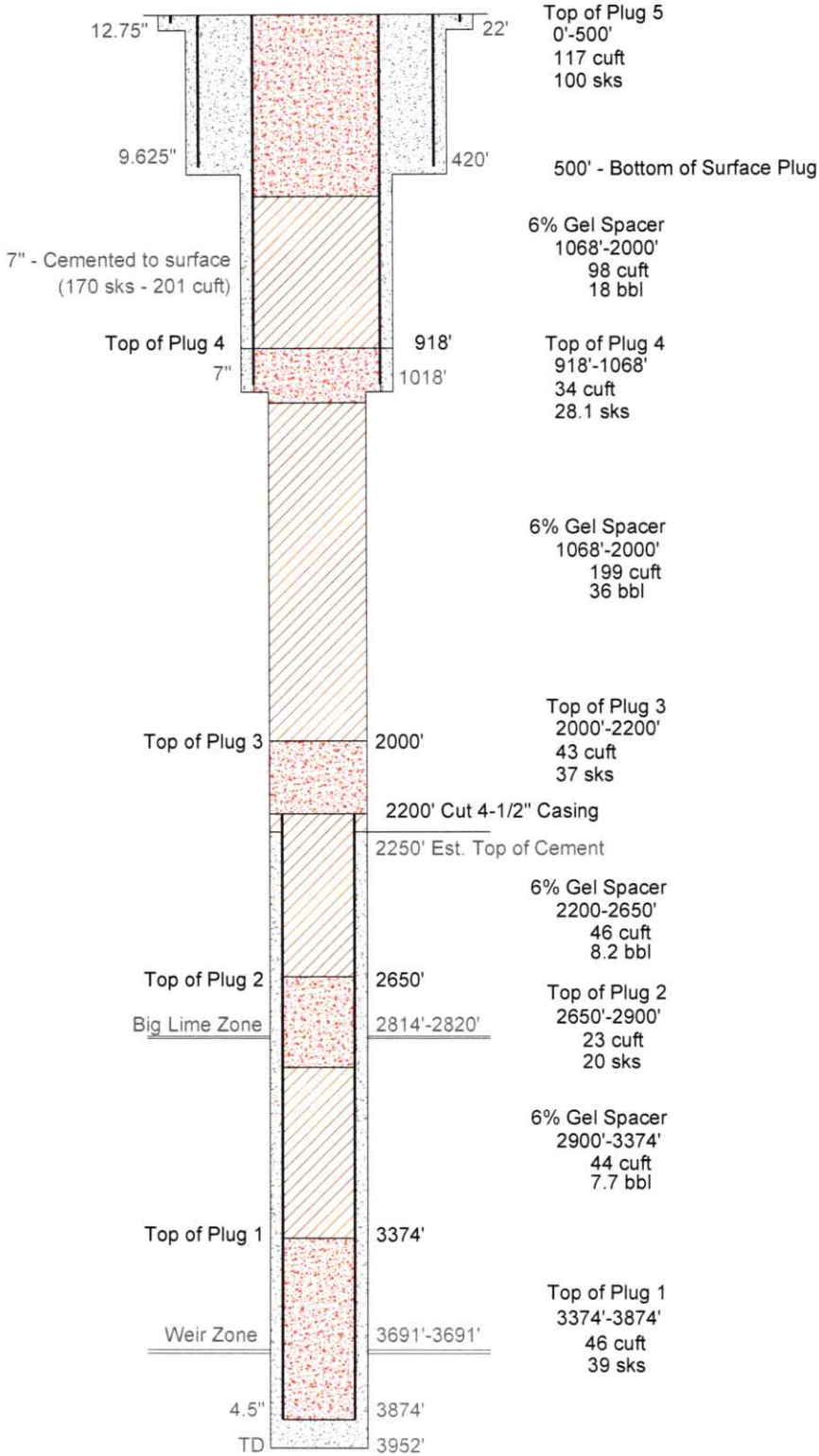
WV Department of  
Environmental Protection

Monument: 7" steel casing, approximately 8 feet long with 4' above ground with API and Well No.

10/14/2022

Proposed Plugging Procedure

Well No: 14355  
 API: 47-081-01372  
 Surface Ele: 2108'



Top of Plug 5  
 0'-500'  
 117 cuft  
 100 sks

500' - Bottom of Surface Plug

6% Gel Spacer  
 1068'-2000'  
 98 cuft  
 18 bbl

Top of Plug 4  
 918'-1068'  
 34 cuft  
 28.1 sks

6% Gel Spacer  
 1068'-2000'  
 199 cuft  
 36 bbl

Top of Plug 3  
 2000'-2200'  
 43 cuft  
 37 sks

2200' Cut 4-1/2" Casing

6% Gel Spacer  
 2200'-2650'  
 46 cuft  
 8.2 bbl

Top of Plug 2  
 2650'-2900'  
 23 cuft  
 20 sks

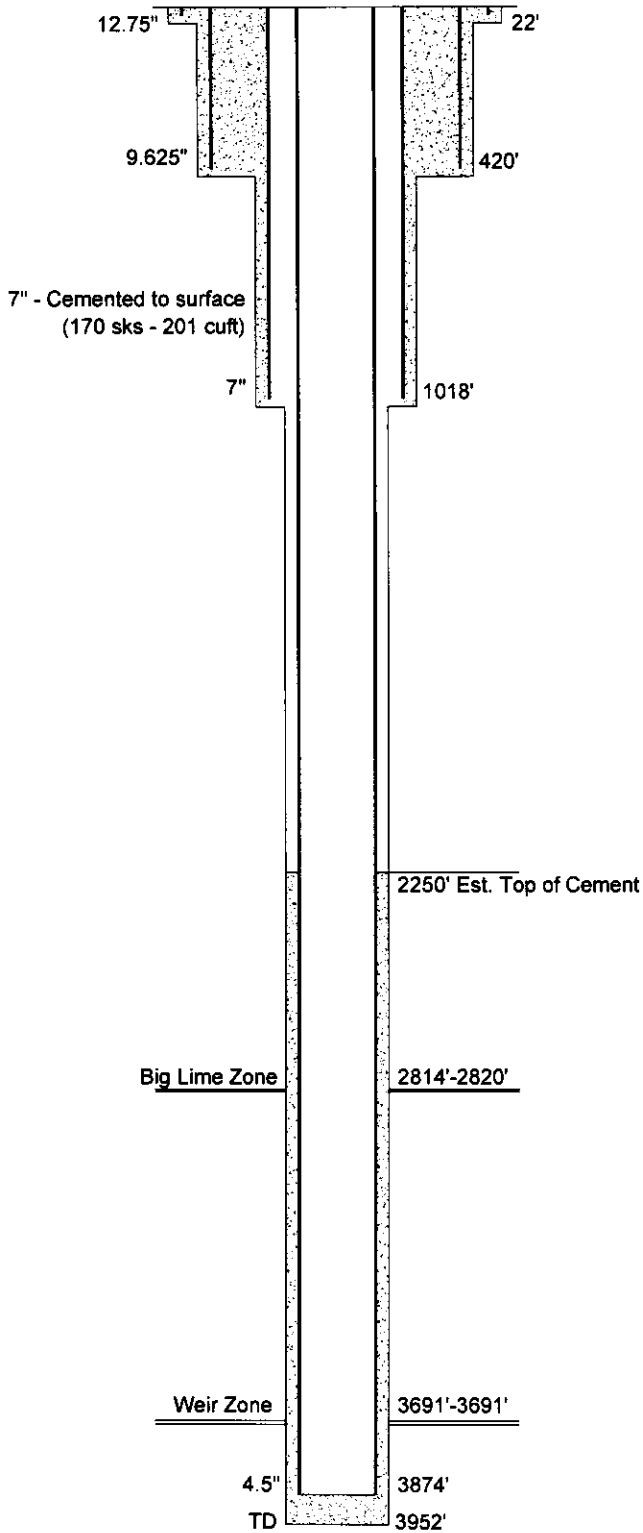
6% Gel Spacer  
 2900'-3374'  
 44 cuft  
 7.7 bbl

Top of Plug 1  
 3374'-3874'  
 46 cuft  
 39 sks

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Configuration as Completed

Well No: 14355  
API: 47-081-01372  
Surface Ele: 2108'



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State of West Virginia  
Department of Environmental Protection  
Office of Oil and Gas

4708101372P

Well Operator's Report of Well Work

Farm name: Pocahontas Land Corp. Operator Well No.: 14355

LOCATION: Elevation 2108' Quadrangle: Rhodell 7.5'

District: Slab Fork County: Raleigh  
Latitude: 2,760 Feet South of 37 Deg. 35 Min. 00 Sec.  
Longitude 4,390 Feet West of 81 Deg. 17 Min. 30 Sec.

Company: Dominion Exploration & Production, Inc

	Casing & Tubing	Used in drilling	Left in well	Cement fill up Cu. Ft.
Address: P O Box 1248 Jane Lew, WV 26378				
Agent: Rodney J. Biggs				
Inspector: Terry Urban				
Date Permit Issued: 08/01/2005				
Date Well Work Commenced: 02/08/2006	12 3/4"	22'	22'	Sand In
Date Well Work Completed: 02/16/2006				
Verbal Plugging N/A	9 5/8"	420'	420'	140 sks
Date Permission granted on: N/A				
Rotary X Cable Rig	7"	1018'	1018'	170 sks
Total Depth (feet): 3930'				
Fresh Water Depth (ft.):	4 1/2"	3874'	3874'	180 sks
Salt Water Depth (ft.): N/A				
Is coal being mined in area (N/Y)? N				
Coal Depths (ft.): 50-51', 51-60', 189-190', 200-201', 316-316', 327-328', 444-445'				

OPEN FLOW DATA

Weir 3681-3691'  
Producing formation Big Lime Pay zone depth (ft) 2814-2820'  
Gas: Initial open flow Trace MCF/d Oil: Initial open flow 0 Bbl/d  
Final open flow 1,061MMCF/d Final open flow 0 Bbl/d  
Time of open flow between initial and final tests 12 Hours  
Static rock Pressure 500 psig (surface pressure) after 12 Hours

\*Commingled

Second producing formation \_\_\_\_\_ Pay zone depth (ft) \_\_\_\_\_  
Gas: Initial open flow \_\_\_\_\_ MCF/d Oil: Initial open flow \_\_\_\_\_ Bbl/d  
Final open flow \_\_\_\_\_ MCF/d Final open flow \_\_\_\_\_ Bbl/d  
Time of open flow between initial and final tests \_\_\_\_\_ Hours  
Static rock Pressure \_\_\_\_\_ psig (surface pressure) after \_\_\_\_\_ Hours

NOTE: ON BACK OF THIS FORM PUT THE FOLLOWING: 1). DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC. 2). THE WELL LOG WHICH IS A SYSTEMATIC DETAILED GEOLOGICAL RECORD OF ALL FORMATIONS INCLUDING COAL ENCOUNTERED BY THE WELLBORE.

Signed:

By: Rodney J. Biggs

Date: 3/16/06

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Office of Chief  
MAR 20 2006  
WV Department of  
Environmental Protection

10/14/2022

2/16/06 BOND LOGGED, LTD 3860', TOC 1895'. PERFORMED TWO STAGE FRAC - WEIR 3681' - 3691' (21 HOLES) - 75Q FOAM FRAC - 37,100 LB 20/40 SAND, 162 BBL CLEAN FLUID, 269,000 SCF N2, BDP 1596#, ATP 1557#, AIR 25 BPM, 500 GAL 28% HCL IN FLUSH (DROP 3 3/4" BALL). BIG LIME 2814' - 2820' (13 HOLES) - ACID FRAC W/ N2 ASSIST (200 SCF/BBL) - 2000 GAL 28% HCL, 75 BBL TREATED WATER, 48,000 SCF N2, BDP 1460#, ATP 1620#, AIR 12 BPM, ISIP 1704#.

Fill	0	3	Coal	315	316
Sandstone	3	35	Shale	316	327
Shale	35	50	Coal	327	328
Coal	50	51	Sandstone	328	376
Shale	51	60	Open Mine	376	390
Coal	60	61	Sandstone	390	444
Shale	61	90	Coal	444	445
Sandstone	90	180	Shale	445	455
Shale	180	189	Sandstone	455	590
Coal	189	190	Shale	590	725
Shale	190	200	Sandstone	725	895
Coal	200	201	Shale	895	
Shale	201	230			
Sandstone	230	300			
Shale	300	315			

GAMMA FORMATION TOPS				
			TOP	BASE
PRIDE SHALE			1022	1098
RAVENCLIFF SAND			1208	1358
AVIS LIME			1380	1422
UPPER MAXTON			1883	2078
MIDDLE MAXTON			2226	2250
LOWER MAXTON			2382	2410
LITTLE LIME			2496	2804
BIG LIME			2804	3368
PRICE FORMATION			3368	TD
WEIR SAND			3649	3709
LTD				3952

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*WLL*



4708101372P

WW4-A  
Revised 6-07

1) Date: 03-31-22  
2) Operator's Well Number  
14355  
3) API Well No.: 47 - 081 - 01372

**STATE OF WEST VIRGINIA - BUREAU OF ENVIRONMENT  
DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS  
NOTICE OF APPLICATION TO PLUG AND ABANDON A WELL**

4) Surface Owner(s) to be Served	5)(a) Coal Operator
(a) Name <u>Pocahontas Surface Interests, LLC</u>	Name <u>Pocahontas Coal Company</u>
Address <u>PO Box 1517</u>	Address <u>109 Appalachian Drive</u>
<u>Bluefield, WV 24701</u>	<u>Beckley, WV 25801</u>
(b) Name _____	(b) Coal Owner(s) with Declaration
Address _____	Name <u>Pocahontas Royalties, LLC</u>
_____	Address <u>PO Box 1517</u>
_____	<u>Bluefield, WV 24701</u>
(c) Name _____	Name _____
Address _____	Address _____
_____	_____
6) Inspector _____	(c) Coal Lessee with Declaration
Address _____	Name <u>Pocahontas Coal Company</u>
_____	Address <u>109 Appalachian Drive</u>
Telephone _____	<u>Beckley, WV 25801</u>

**TO THE PERSONS NAMED ABOVE: You should have received this Form and the following documents:**

- (1) The application to Plug and Abandon a Well on Form WW-4B, which sets out the parties involved in the work and describes the well its and the plugging work order; and
- (2) The plat (surveyor's map) showing the well location on Form WW-6.

The reason you received these documents is that you have rights regarding the application which are summarized in the instructions on the reverses side. However, you are not required to take any action at all.

Take notice that under Chapter 22-6 of the West Virginia Code, the undersigned well operator proposes to file or has filed this Notice and Application and accompanying documents for a permit to plug and abandon a well with the Chief of the Office of Oil and Gas, West Virginia Department of Environmental Protection, with respect to the well at the location described on the attached Application and depicted on the attached Form WW-6. Copies of this Notice, the Application, and the plat have been mailed by registered or certified mail or delivered by hand to the person(s) named above (or by publication in certain circumstances) on or before the day of mailing or delivery to the Chief.

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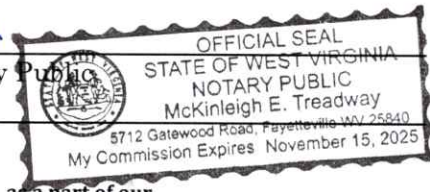
JUL 18 2022

WV Department of  
Environmental Protection

Well Operator Carter Roag Coal Company  
 By: Terry Hamrick  
 Its: Senior Geologist  
 Address 109 Appalachian Drive  
Beckley, WV 25801  
 Telephone 304-255-9030

Subscribed and sworn before me this 12 day of May, 2022  
Mckinleigh E. Treadway Notary Public

My Commission Expires 11-15-2025



**Oil and Gas Privacy Notice**

The Office of Oil and Gas processes your personal information, such as name, address and phone number, as a part of our regulatory duties. Your personal information may be disclosed to other State agencies or third parties in the normal course of business or as needed to comply with statutory or regulatory requirements, including Freedom of Information Act requests. Our office will appropriately secure your personal information. If you have any questions about our use of your personal information, please contact DEP's Chief Privacy Officer at [depprivacyoffier@wv.gov](mailto:depprivacyoffier@wv.gov).

10/14/2022

**SURFACE OWNER WAIVER**

**4708101372P**

Operator's Well Number 14355

**INSTRUCTIONS TO SURFACE OWNERS NAMED ON PAGE WW4-A**

The well operator named on page WW-4A is applying for a permit from the State to plug and abandon a well. (Note: If the surface tract is owned by more than three persons, then these materials were served on you because your name appeared on the Sheriff's tax ticket on the land or because you actually occupy the surface tract. In either case, you may be the only owner who will actually receive these materials.) See Chapter 22 of the West Virginia Code. Well work permits are valid for 24 months. If you do not own any interest in the surface tract, please forward these materials to the true owner immediately if you know who it is. Also, please notify the well operator and the Office of Oil and Gas.

**NOTE: YOU ARE NOT REQUIRED TO FILE ANY COMMENT.  
WHERE TO FILE COMMENTS AND OBTAIN ADDITIONAL INFORMATION:**

Chief, Office of Oil and Gas  
Department of Environmental Protection  
1356 Hansford Street  
Charleston, WV 25301  
(304) 558-6342

**Time Limits and methods for filing comments.** The law requires these materials to be served on or before the date the operator files his Application. You have **FIVE (5) DAYS** after the filing date to file your comments. Comments must be filed in person or received in the mail by the Chief's office by the time stated above. You may call the Chief's office to be sure of the date. Check with your postmaster to ensure adequate delivery time or to arrange special expedited handling. If you have been contacted by the well operator and you have signed a "voluntary statement of no objection" to the planned work described in these materials, then the permit may be issued at any time.

**Comments must be in writing.** Your comments must include your name, address and telephone number, the well operator's name and well number and the approximate location of the proposed well site including district and county from the application. You may add other documents, such as sketches, maps or photographs to support your comments.

The Chief has the power to deny or condition a well work permit based on comments on the following grounds:

- 1) The proposed well work will constitute a hazard to the safety of persons.
- 2) The soil erosion and sediment control plan is not adequate or effective;
- 3) Damage would occur to publicly owned lands or resources;
- 4) The proposed well work fails to protect fresh water sources or supplies;
- 5) The applicant has committed a substantial violation of a previous permit or a substantial violation of one or more of the rules promulgated under Chapter 22, and has failed to abate or seek review of the violation...".

If you want a copy of the permit as it is issued or a copy of the order denying the permit, you should request a copy from the Chief.

**VOLUNTARY STATEMENT OF NO OBJECTION**

I hereby state that I have read the instructions to surface owners and that I have received copies of a Notice and Application For A Permit To Plug And Abandon on Forms WW-4A and WW-4B, and a survey plat.

I further state that I have no objection to the planned work described in these materials, and I have no objection to a permit being issued on those materials.

FOR EXECUTION BY A NATURAL PERSON

FOR EXECUTION BY A CORPORATION, ETC.

\_\_\_\_\_  
Date \_\_\_\_\_

Name Michael R. Blackburn  
By Parahontas Surface Int.  
Its Vice President  
Michael Shuler  
Signature \_\_\_\_\_

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JUL 18 2022

WV Department of  
Environmental Protection

Date 5/16/2022

API No. 47-081-01372  
Farm Name Pocahontas Coal Corp.  
Well No. 14355

**INSTRUCTIONS TO COAL OPERATORS  
OWNERS AND LESSEE**

The well operator named on the obverse side of WW-4 (B) is about to abandon the well described in the enclosed materials and will commence the work of plugging and abandoning said well on the date the inspector is notified. Which date shall not be less than five days after the day on which this notice and application so mailed is received, or in due course should be received by the Department of Environmental Protection Office of Oil & Gas.

This notice and application is given to you in order that your respective representatives may be present at the plugging and filling of said well. You are further notified that whether you are represented or not the operator will proceed to plug and fill said well in the manner required by Section 24, Article 6, Chapter 22 of the Code and given in detail on obverse side of this application.

NOTE: If you wish this well to be plugged according to 22-6-24(d) then as per Regulation 35CSR4-13.9 you must complete and return to this office on form OB-16 "Request by Coal Operator, Owner, or Lessee for plugging" prior to the issuance of this plugging permit.

**WAIVER**

The undersigned coal operator X /owner \_\_\_\_\_ /lessee X of the coal under this well location has examined this proposed plugging work order. The undersigned has no objection to the work proposed to be done at this location, provided, the well operator has complied with all applicable requirements of the West Virginia Code and the governing regulations.

Date: 5/12/22

Name: POCAHONTAS COAL COMPANY  
By: JOHN L. SCHROEDER IV  
Its: CEO  
[Signature]  
Signature Date 5-12-22

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JUL 18 2022  
WV Department of  
Environmental Protection

FORM WW-4(B)

API No. 47-081-01372  
Farm Name Pocahontas Coal Corp.  
Well No. 14355

INSTRUCTIONS TO COAL OPERATORS  
OWNERS AND LESSEE

The well operator named on the obverse side of WW-4 (B) is about to abandon the well described in the enclosed materials and will commence the work of plugging and abandoning said well on the date the inspector is notified. Which date shall not be less then five days after the day on which this notice and application so mailed is received, or in due course should be received by the Department of Environmental Protection Office of Oil & Gas.

This notice and application is given to you in order that your respective representatives may be present at the plugging and filling of said well. You are further notified that whether you are represented or not the operator will proceed to plug and fill said well in the manner required by Section 24, Article 6, Chapter 22 of the Code and given in detail on obverse side of this application.

NOTE: If you wish this well to be plugged according to 22-6-24(d) then as per Regulation 35CSR4-13.9 you must complete and return to this office on form OB-16 "Request by Coal Operator, Owner, or Lessee for plugging" prior to the issuance of this plugging permit.

WAIVER

The undersigned coal operator \_\_\_\_\_ /owner  /lessee \_\_\_\_\_ of the coal under this well location has examined this proposed plugging work order. The undersigned has no objection to the work proposed to be done at this location, provided, the well operator has complied with all applicable requirements of the West Virginia Code and the governing regulations.

Date: 5-16-2022

Name: Michael R. Blackburn  
By: Pocahontas Land LLC  
Its: Vice President  
Signature: Michael R. Blackburn Date: 5/16/22

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WW-9  
(5/16)

API Number: 047 - 081 - 01372  
Operator's Well No. 14355

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STATE OF WEST VIRGINIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
OFFICE OF OIL AND GAS  
FLUIDS/ CUTTINGS DISPOSAL & RECLAMATION PLAN

Operator Name Carter Roag Coal Company OP Code 494505497  
Watershed (HUC 10) Beetree Branch of Devils Fork Quadrangle Rhodell

Do you anticipate using more than 5,000 bbls of water to complete the proposed well work? Yes        No        X       

Will a pit be used? Yes        X        No       

Please describe any anticipated Pit Waste: Water, Gel, Cement

Will a synthetic liner be used in the pit? Yes        X        No        If so, what ml?       

- Proposed Disposal Method for Treated Pit Wastes:
- X Land Application (if selected provide a completed form WW-9-GPP)
  - Underground Injection (UIC Permit Number       )
  - Reuse (At API Number       )
  - Offsite Disposal (Supply form WW-9 for disposal location)
  - Other (Explain       )

Will closed loop system be used? If so, describe: NO

Drilling medium anticipated for this well (vertical and horizontal)? Air, freshwater, oil based, etc. N/A

-If oil based, what type? Synthetic, petroleum, etc N/A

Additives to be used in drilling medium? N/A

Drill cuttings disposal method? Leave in pit, landfill, removed offsite, etc. N/A

-If left in pit and plan to solidify what medium will be used? (cement, lime, sawdust)       

-Landfill or offsite name/permit number?       

Permittee shall provide written notice to the Office of Oil and Gas of any load of drill cuttings or associated waste rejected at any West Virginia solid waste facility. The notice shall be provided within 24 hours of rejection and the permittee shall also disclose where it was properly disposed.

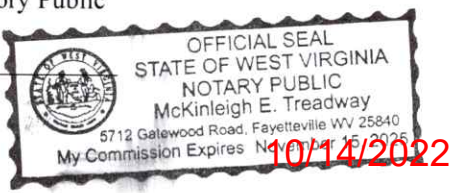
I certify that I understand and agree to the terms and conditions of the GENERAL WATER POLLUTION PERMIT issued on December 31, 1999, by the Office of Oil and Gas of the West Virginia Department of Environmental Protection. I understand that the provisions of the permit are enforceable by law. Violations of any term or condition of the general permit and/or other applicable law or regulation can lead to enforcement action.

I certify under penalty of law that I have personally examined and am familiar with the information submitted on this application form and all attachments thereto and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine or imprisonment.

Company Official Signature *Terry Hamrick*  
Company Official (Typed Name) Terry Hamrick  
Company Official Title Senior Geologist

Subscribed and sworn before me this day of May 12<sup>th</sup>, 20 22

*McKinleigh E. Treadway* Notary Public  
My commission expires 11-15-2025



Proposed revegetation treatment: Acres Disturbed 1 Prevegetation pH 6.5

Lime 3 Tons/acre or to correct to pH 6.5

Fertilizer type 10-20-20  
Fertilizer amount 500 Lbs/acre

Mulch 2.0 Tons/acre

Seed Mixtures

Seed Type	Area I	Lbs/acre	Seed Type	Area II	Lbs/acre
KY 31 Fescue		40#		Same as Area I	
Ladino Clover		5#			
Rye Grass		16#			

Attach:

Maps(s) of road, location, pit and proposed area for land application (unless engineered plans including this info have been provided). If water from the pit will be land applied, provide water volume, include dimensions (L, W, D) of the pit, and dimensions (L, W), and area in acres, of the land application area.

Photocopied section of involved 7.5' topographic sheet.

Plan Approved by: \_\_\_\_\_

Comments: \_\_\_\_\_

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 Environmental Protection

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\_\_\_\_\_

Title: \_\_\_\_\_

Date: \_\_\_\_\_

Field Reviewed? \_\_\_\_\_ Yes \_\_\_\_\_ No

STATE OF WEST VIRGINIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
OFFICE OF OIL AND GAS  
GROUNDWATER PROTECTION PLAN

Operator Name Carter Roag Coal Company OP Code 494505497  
Watershed (HUC 10) Soak Creek Quadrangle Crab Orchard  
Farm Name Pocahontas Land Corp.

1. List the procedures used for the treatment and discharge of fluids. Include a list of all operations that could contaminate the groundwater.

See attached GPP plan for Pocahontas Coal Corp Mining Permit SMA S-3010-13, NPDES WV1027816.  
MSHA ID 46-09096

2. Describe procedures and equipment used to protect groundwater quality from the list of potential contaminant sources above.

See attached GPP plan for Pocahontas Coal Corp Mining Permit SMA S-3010-13, NPDES WV1027816.  
MSHA ID 46-09096

3. List the closest water body, distance to closest water body, and distance from closest Well Head Protection Area to the discharge area.

See attached GPP plan for Pocahontas Coal Corp Mining Permit SMA S-3010-13, NPDES WV1027816.  
MSHA ID 46-09096

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4. Summarize all activities at your facility that are already regulated for groundwater protection.

See attached GPP plan for Pocahontas Coal Corp Mining Permit SMA S-3010-13, NPDES WV1027816.  
MSHA ID 46-09096

5. Discuss any existing groundwater quality data for your facility or an adjacent property.

See attached GPP plan for Pocahontas Coal Corp Mining Permit SMA S-3010-13, NPDES WV1027816.  
MSHA ID 46-09096

6. Provide a statement that no waste material will be used for deicing or fill material on the property.

See attached GPP plan for Pocahontas Coal Corp Mining Permit SMA S-3010-13, NPDES WV1027816.  
MSHA ID 46-09096

7. Describe the groundwater protection instruction and training to be provided to the employees. Job procedures shall provide direction on how to prevent groundwater contamination.

See attached GPP plan for Pocahontas Coal Corp Mining Permit SMA S-3010-13, NPDES WV1027816.  
MSHA ID 46-09096

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8. Provide provisions and frequency for inspections of all GPP elements and equipment.

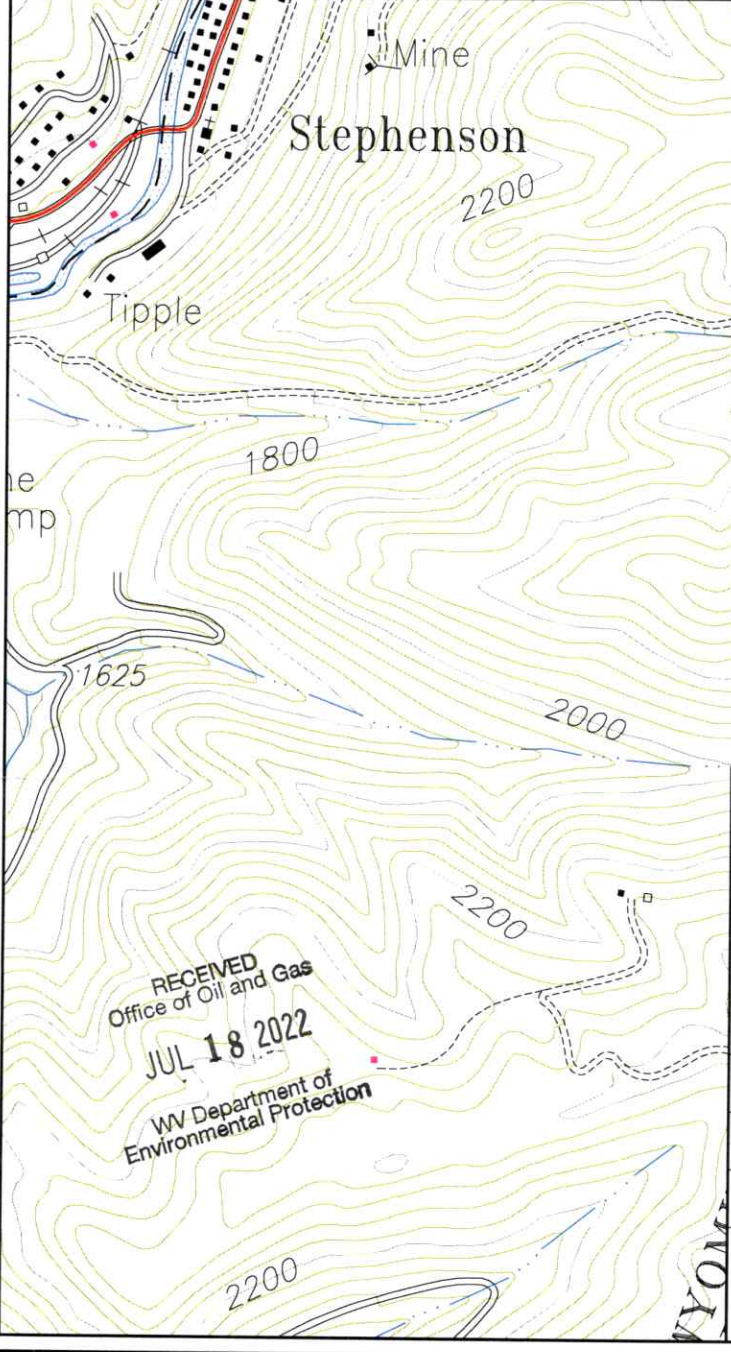
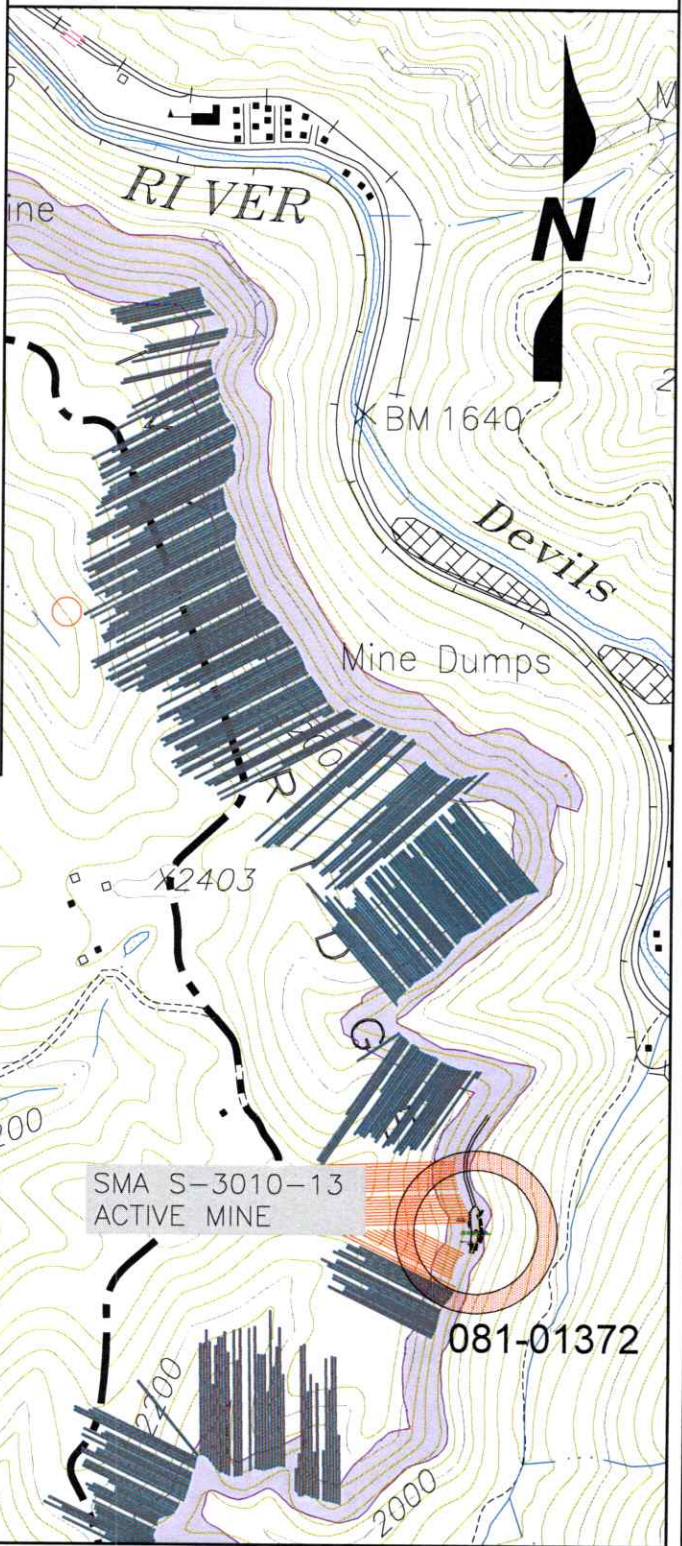
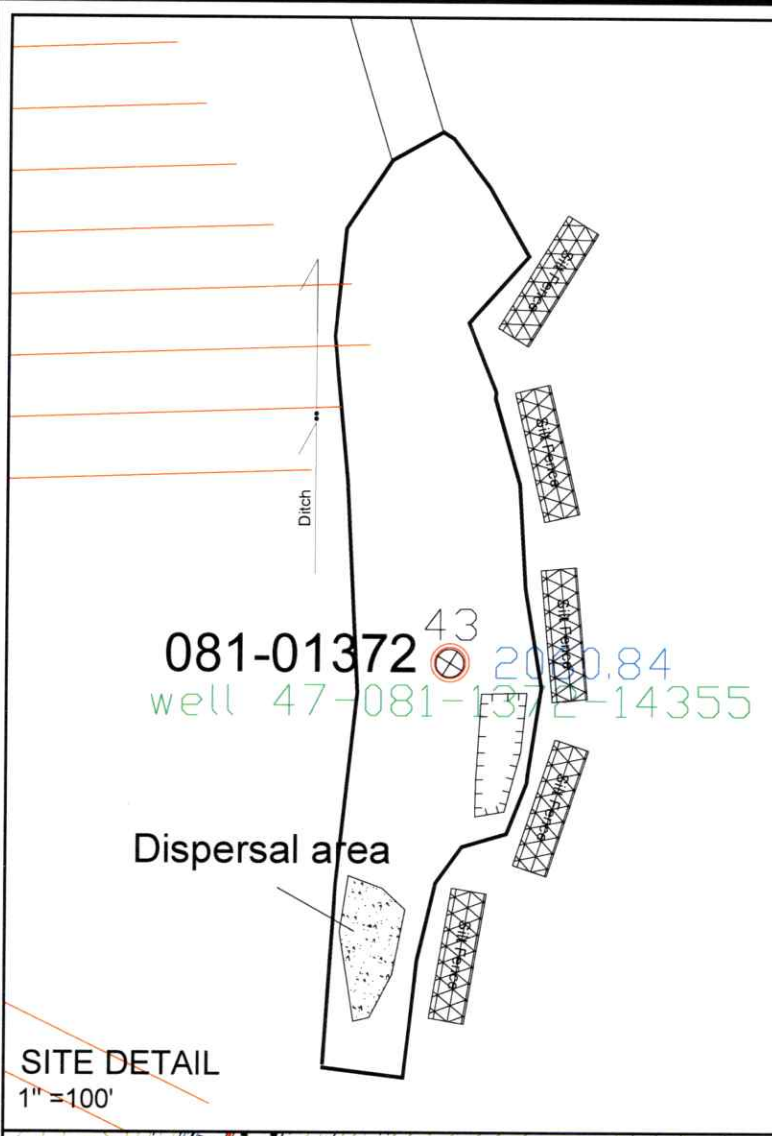
See attached GPP plan for Pocahontas Coal Corp Mining Permit SMA S-3010-13, NPDES WV1027816.  
MSHA ID 46-09096

Signature: 

Date: 03-31-22



1. Inlets and outlets will be protected by crushed stone. Straw bales, silt fences and windrowed brush will be utilized to control sediment and run-off.
2. Drainage ditches will be cut along the entire length of the road and culverts installed as per BMP. During Phase II water breaks will be installed every 80 to 135 feet, according to slope requirements as per BMP manual.



**CARTER ROAG COAL COMPANY**  
Reclamation Plan - Form WW-9  
047-081-01372  
Well No. 14355  
Plug & Abandon Application

10/14/2022

District:	Slab Fork	County:	Raleigh
7.5' Quad:	Rhodell	Watershed:	Beetree Branch
Date:	03-23-22	SCALE	1" = 1000'

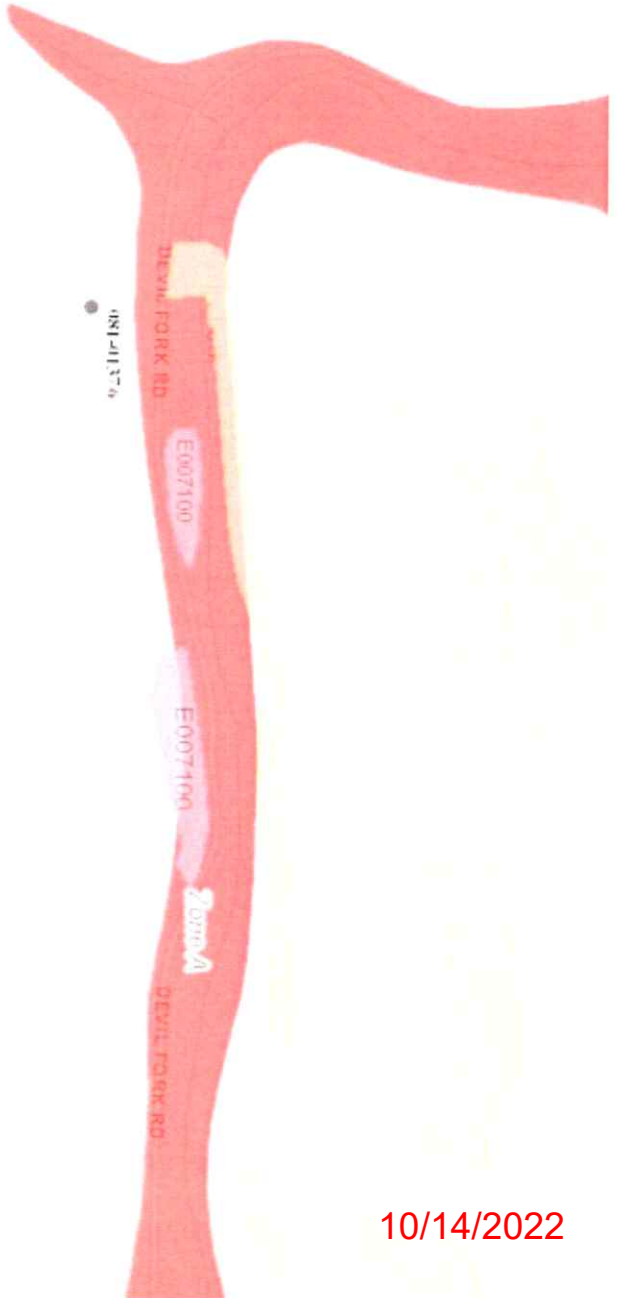
Note: Slopes along location and roads to be temporarily seeded when construction is finished. Will install culverts, waterbars and rock as needed.

4708101372P

081-01371

S301013

47-081-01372-00-00  
472914E, 4158789N, UTM17 NAD83



081-01376

E007100

E007100

Zorro

DEVIL FORK RD

DEVIL FORK RD

081-00083

Beech Branch

081-01326

081-01325

10/14/2022

4708101372P

WW-7  
8-30-06



EX # 0310004361  
REV. 100 00 6/23/12

West Virginia Department of Environmental Protection  
Office of Oil and Gas  
**WELL LOCATION FORM: GPS**

API: 47-081-01372 WELL NO.: 14355

FARM NAME: Pocahontas Land Corp

RESPONSIBLE PARTY NAME: Carter Roag Coal Company

COUNTY: Raleigh DISTRICT: Slab Fork

QUADRANGLE: Rhodell

SURFACE OWNER: Pocahontas Surface Interests, LLC

ROYALTY OWNER: Pocahontas Royalties, LCC

UTM GPS NORTHING: 4158789.08 2060'

UTM GPS EASTING: 472914.45 GPS ELEVATION: 628.11

The Responsible Party named above has chosen to submit GPS coordinates in lieu of preparing a new well location plat for a plugging permit or assigned API number on the above well. The Office of Oil and Gas will not accept GPS coordinates that do not meet the following requirements:

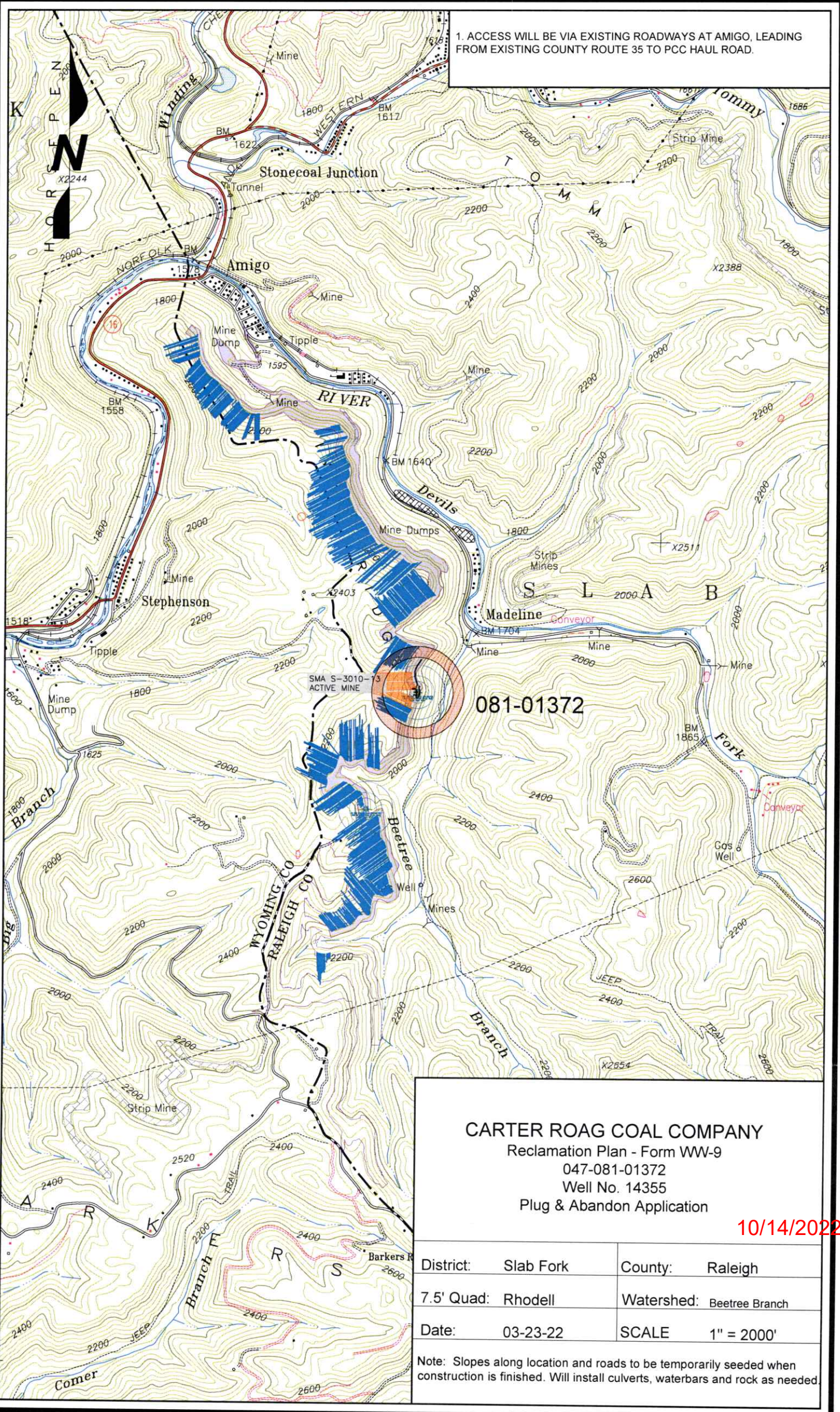
- Datum: NAD 1983, Zone: 17 North, Coordinate Units: meters, Office of Oil and Gas height above mean sea level (MSL) – meters.
- Accuracy to Datum – 3.05 meters
- Data Collection Method:  
Survey grade GPS  : Post Processed Differential   
Real-Time Differential   
Mapping Grade GPS  : Post Processed Differential   
Real-Time Differential

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4. Letter size copy of the topography map showing the well location.  
I the undersigned, hereby certify this data is correct to the best of my knowledge and belief and shows all the information required by law and the regulations issued and prescribed by the Office of Oil and Gas.

[Signature] Senior Geologist 03-22-22  
Signature Title Date

10/14/2022



1. ACCESS WILL BE VIA EXISTING ROADWAYS AT AMIGO, LEADING FROM EXISTING COUNTY ROUTE 35 TO PCC HAUL ROAD.

081-01372

**CARTER ROAG COAL COMPANY**  
 Reclamation Plan - Form WW-9  
 047-081-01372  
 Well No. 14355  
 Plug & Abandon Application

10/14/2022

District:	Slab Fork	County:	Raleigh
7.5' Quad:	Rhodell	Watershed:	Beetree Branch
Date:	03-23-22	SCALE	1" = 2000'

Note: Slopes along location and roads to be temporarily seeded when construction is finished. Will install culverts, waterbars and rock as needed.

**SPILL PREVENTION, CONTROL, &  
COUNTERMEASURE (SPCC) PLAN**

**March 2021**

**Surface/Underground Coal Mining Facility**

**Pocahontas Coal Company, LLC**

**Pocahontas Complex**

**Permit Nos. U-0162-83, U-3036-92, S-3022-03, S-3001-06, S-3020-07, S-3020-09,  
S-3007-11, S-3010-13, S-3020-12, U-3010-07, O-3007-07, S-3024-07,  
S-3015-08, & Q-3003-05**

**NPDES Nos. WV1000063, WV1021681, WV1021711, WV1022032, WV1022369,  
WV1024469, WV1024761, WV1027816, WV1026836, WV1022288,  
WV1022253, WV1022407, WV1022601, & WV1021800**

**MSHA Nos. 46-08873, 46-07191, 46-08266, 46-09096, & 46-09229**

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**Prepared by:  
New River Engineering Inc.  
202 School Drive  
Shrewsbury, WV 25015  
Phone: (304) 595-3290 Fax: (304) 595-3341**

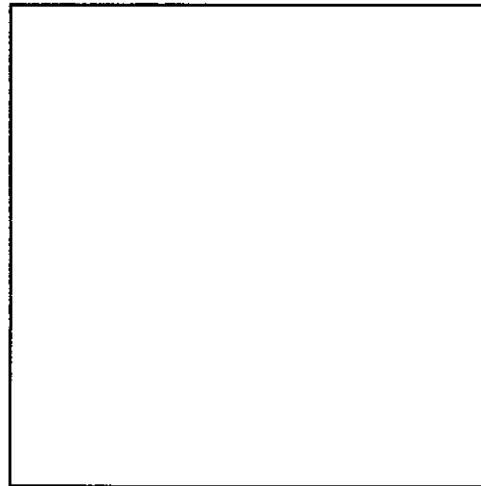
10/14/2022

Spill Prevention, Control, and Countermeasure Plan  
Surface/Underground Coal Mining Facility  
Pocahontas Coal Company, LLC – Pocahontas Complex

**40 CFR § 112.3 Requirement to prepare and implement a Spill Prevention, Control, and Countermeasure Plan**

The owner or operator of an onshore or offshore facility subject to this section must prepare a Spill Prevention, Control, Countermeasure Plan (hereafter "SPCC Plan" or "Plan"), in writing and in accordance with 40CFR §112.7, and any other applicable section of this part.

- (d) A licensed Professional Engineer must review and certify a Plan for it to be effective to satisfy the requirements of this part.
  - (1) By means of this certification the Professional Engineer attests:
    - (i) That he is familiar with the requirements of this part;
    - (ii) That he or his agent has visited and examined the facility;
    - (iii) That the Plan has been prepared in accordance with good engineering practice, including consideration of applicable industry standards, and with the requirements of this part;
    - (iv) That procedures for required inspections and testing have been established; and
    - (v) That the Plan is adequate for the facility.



Professional Seal

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Environmental Protection

\_\_\_\_\_  
Print Name

PE#

\_\_\_\_\_  
Signature

Date:

Spill Prevention, Control, and Countermeasure Plan  
Surface/Underground Coal Mining Facility  
Pocahontas Coal Company, LLC – Pocahontas Complex

**SENIOR MANAGEMENT APPROVAL**

---

**Mine Manager** **Date**

---

**General Manager** **Date**

---

**Environmental Compliance Manager, Adam Radford** **Date**

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Spill Prevention, Control, and Countermeasure Plan  
Surface/Underground Coal Mining Facility  
Pocahontas Coal Company, LLC – Pocahontas Complex

## SPILL PREVENTION, CONTROL, AND COUNTERMEASURE PLAN

- References: 40 CFR §110 – Discharge of Oil  
40 CFR §112 – Oil Pollution Prevention  
33 USC §1251 – Clean Water Act

The original Spill Prevention, Control, and Countermeasure Plan will be maintained and kept at the operation's main office, North Star Mine Office. A copy of the SPCC Plan will be kept at the following locations: Pocahontas Coal Company, LLC's engineering office. The Plan will be available to the Regional Administrator for on-site review during normal working hours.

**Company Contact**

– Pocahontas Coal Company, LLC  
109 Appalachian Drive  
Beckley, WV 25801  
(304) 255-9030

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**Location of Operation**

– Raleigh  
Slab Fork District  
West Virginia

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**Facility Contact**

– Adam Radford, Environmental Compliance Manager  
Pocahontas Coal Company, LLC  
109 Appalachian Drive  
Beckley, WV 25801  
(304) 255-9030

SPCC Plans are designed to complement existing laws, regulations, rules, standards, policies, and procedures pertaining to safety standards, fire prevention, and pollution prevention rules. The purpose of this Plan is to form a comprehensive program that minimizes the potential for discharges.

This plan contains the following information: Potential Contaminant Sources and Controls, Containment Area, Stream Lineage, Response to a Spill, Proper Disposal of Material, Proper Filling and Draining of a Storage Tank, Training and Knowledge of the Plan, Potential Sources of Spills, Periodic Inspections and Tests, Amendments and Reviews, Recording and Reporting, Contact Numbers for a Spill Event, and Locations of Potential Contaminants Map.

There are no completely buried or encapsulated tanks at this operation. All tanks are either metal or plastic above ground bulk storage tanks. All petroleum tanks are metal tanks that are either double walled or are located in secondary containment with roof.

Security personnel, at all times, control access to this operation with routine checks throughout the property. A guard shack is located at the entrance to this operation.



Spill Prevention, Control, and Countermeasure Plan  
Surface/Underground Coal Mining Facility  
Pocahontas Coal Company, LLC – Pocahontas Complex

**1) Potential Contaminant Sources and Controls**

Refer to Attachment A - **Potential Contaminant Sources and Controls** for a list of the following: Item ID, Item Description, Material, Container Type, Primary Control, Secondary Control, and Permit Number. Some drainage control structures are being treated chemically at the nearest downstream drainage control structure to the potential contaminant.

**2) Containment Area**

The potential contaminants are located on Pocahontas Coal Company, LLC mine property within its permit boundaries. The associated watersheds of the permit areas have been evaluated to properly maintain drainage that complies with West Virginia Surface Mining Regulations in accordance with approved West Virginia Department of Environmental Protection Article 3 permits and NPDES permits. The possibility for periodic flooding within the permit areas and interaction with the potential contaminates are not likely.

**3) Stream Lineage**

The permit areas are located predominantly along Stonecoal Creek, Tommy Creek, and Devils Fork all of Guyandotte River. The potentially affected streams associated to the permit areas are unnamed tributaries of/and those same streams.

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**4) Response to a Spill**

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Anyone finding a spill, with knowledge of the contaminant type involved, will immediately put efforts towards plugging the leaking tank, hose, etc. If the person or persons that find a spill are not knowledgeable of the type of contaminant involved, they should immediately contact the North Star Mine Office or Engineering Office for guidance of how to proceed. Any time a chemical spill is encountered, MSDS sheets will be used to determine the proper methods of cleaning up. Material Safety Data Sheets for chemicals are located in the corresponding field office. Spill response supplies are located on site in addition to Spill Kit barrels which are typically located near potential petroleum contaminants.

For small spills, contain the spill and use absorbent material such as absorbent booms, pads, pellets, or the absorbent material from the Spill Kit. For larger spills, earthen berms may be constructed using a backhoe or dozer on site to prevent the spill from reaching waterways. Influent water should be diverted from a spill area so that the volume of the spill is not increased. In addition and as a last resort, the nearest downstream drainage control structure (sumps, ditches, etc.) may be used for a spill retention area to assist in the prevention of contaminating waterways. Using a drainage structure for a spill retention area is at the discretion of the spill coordinator. If a drainage structure is used for a retention

Spill Prevention, Control, and Countermeasure Plan  
Surface/Underground Coal Mining Facility  
Pocahontas Coal Company, LLC – Pocahontas Complex

area then the company must determine the extent of containment for the proper disposal of contaminated soils and liquids. Refer to the Proper Disposal of Material portion of this plan for the disposal procedure of contaminated soils and liquids. If a spill is unable to be contained, outside contractors will be contacted that specialize in spill response and clean-up.

Anytime a petroleum spill is encountered, all non-contaminated petroleum may be transported to a separate storage tank of the same material for storage. Prior to any material being added to a storage tank, the tank must be checked for the remaining storage capacity to prevent overfilling. Refer to the Proper Filling of a Storage Tank portion of this plan for the proper procedure.

All spills should be reported to the immediate supervisor who will communicate with the Spill Coordinator (Adam Radford). The Spill Coordinator will make record of the spill and report the spill if required. Refer to the Record and Report portion of this plan for proper recording and reporting of spills.

#### 5) Proper Disposal of Material

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In the event of a spill, contaminated soil will be stored appropriately until proper disposal at a landfill. If absorbent material is used to contain a spill, the material must be collected and stored appropriately, typically in the spill kit barrel the material was obtained from, until proper disposal at a landfill. The Raleigh County Landfill, or other designated landfills, may be contacted to dispose of contaminated material.

Any oil that is collected can be stored in a designated used oil tank located on site. If a tank is discovered that is contaminated with undesirable material, such as water, the products manufacturer can be contacted for the possibility of recovering the product, otherwise the material must be properly disposed of through the manufacturer or an outside source, such as the landfill.

If the spill event contamination has a capacity that exceeds the company's capability of containment, an outside source will be contacted for corrective measures.

#### 6) Proper Filling and Draining of a Storage Tank

No tanks are to be filled without first checking the tank level to determine if adequate capacity is present to accommodate the additional fluid. When draining a tank, adequate vents will be opened to prevent a vacuum in the tank. Filling or draining of a tank will be continually attended at all times. Hoses and valves involved in filling or draining of a tank should be visually inspected prior to use. Upon completion of filling or draining of a tank, the valves involved will be checked to ensure that the valve is in the closed position. If a spill occurs, the proper recording and reporting will be completed. Refer to Recording and Reporting portion of this plan.

Spill Prevention, Control, and Countermeasure Plan  
Surface/Underground Coal Mining Facility  
Pocahontas Coal Company, LLC – Pocahontas Complex

**7) Training and Knowledge of the Plan**

Management will instruct all personnel about this plan and its contents if in any way they are associated with loading or unloading transport vehicles, using fuel stations, maintaining the facility, responsible for storm water drainage, and spill cleanup. Contractors will receive safety instructions and be made aware of potential contaminants and spill prevention procedures before being permitted on the job site. The location of this plan and contact numbers will be readily available to all mine personnel and contractors at the designated offices.

**8) Potential Sources of Spills**

**A. Tank or Tank Valve Rupture:**

Prevention – Properly maintain tanks, tank valves, and fittings and keep them in good condition. Visually inspect tanks periodically for leaks, and tank foundations for cracks and unusual settling.

**B. Tank Overflow:**

Prevention – Truck drivers should follow correct operating procedures when loading or unloading potential contaminants and stay with the equipment at all times during loading or unloading operations. Key personnel should know the truck is in the area loading or unloading potential contaminants. Any spillage will be immediately cleaned-up or mitigated in accordance with this plan.

**C. Hose Rupture During Loading or Unloading and Spillage From Hoses After Disconnection:**

Prevention – Periodic inspection of transport loading or unloading hoses, replacement of hoses as necessary, and use of the proper hose during loading or unloading procedure. Any spillage will be immediately cleaned-up or mitigated in accordance with this plan.

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Pocahontas Coal Company, LLC – Pocahontas Complex

**9) Periodic Inspections and Tests**

All potential contaminants and controls will be inspected/updated on a routine basis (minimum every 6 months). Inspections shall be conducted for any storage facilities, distribution facilities, pipelines, other devices carrying potential contaminants, and/or any equipment that is not inspected more frequently. In addition, periodic integrity testing of the containers and periodic integrity and leak testing of the valves and piping will be conducted. Any leaks or spills that are found will be reported immediately to the Spill Coordinator who will determine the appropriate action to be taken.

Inspections include the following but are not limited to:

Check tanks for leaks, specifically looking for: drip marks, discoloration of tanks, puddles containing spilled or leaked material, corrosion, cracks, and localized dead vegetation, and/or discolored soils.

Check foundation for: cracks, discoloration, puddles containing spilled or leaked material, settling, gaps between tank and foundation, and damage caused by vegetation roots.

Check piping for: droplets of stored material, discoloration, corrosion, bowing of pipe between supports, evidence of stored material seepage from valves or seals, and localized dead vegetation.

Check secondary containment for: cracks, discoloration, presence of spilled or leaked material (standing liquid), corrosion, and valve conditions.

Check retention areas for: erosion, available capacity, presence of spilled or leaked material, debris, stressed vegetation and/or discolored soils.

Attachment B is a log sheet for record of inspections completed that will be signed by the inspector and will be kept in the SPCC plan for a period of three years.

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**10) Amendments and Reviews**

The owner or operator of a facility is subject to 40 CFR 112.5, 'Amendment of Spill Prevention, Control, and Countermeasure Plan by owners or operators'.

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When there is a change in the facility design, construction, operation, or maintenance that materially affects its potential for a discharge such as commissioning or decommissioning containers, replacement, reconstruction, or movement of the containers, an amendment must be prepared. If there are any changes that could alter secondary containment structures, change of product or service, or revision of standard operation or maintenance procedures at a facility, an amendment must be prepared. An amendment must be prepared

within six months and implemented as soon as possible, but no later than six months following preparation of the amendment. In addition, an amendment may be needed if more effective prevention and control technology, that has been field-proven, is presented.

A review and evaluation of the SPCC Plan is to be done at least once every five years from the date of the last review, or when the SPCC Plan was implemented. Documentation of completing a review and evaluation must be signed stating whether or not an amendment to the plan is needed. Attachment C is a log sheet for the appointed reviewer/evaluator to sign, date, and state if an amendment is needed.

A Professional Engineer must certify any technical amendment to the SPCC plan.

## 11) Recording and Reporting

The Spill Coordinator will properly maintain a written record of any spills that occur. A spill is considered to be any chemical or petroleum product that has contaminated soil and/or water. The record will include the following information: time and date of spill, location of spill, type of spill, estimated quantity of spill, actions taken to properly dispose of all contaminated material, corrective actions taken, and name of outside sources contacted (if contacted). The original record will be kept in the original SPCC Plan at the Affinity Mine Office and a copy of the record will be included in the copy of the SPCC Plan located at the Engineering Office.

Whenever the facility has a discharge of more than 1,000 gallons of oil in a single discharge, or has a discharge of more than 42 gallons of oil in each of two discharges occurring in a twelve-month period, or if any chemicals or petroleum reach the waterways of the U.S, the information stated below must be reported to the Regional Administrator within 60 days from the time of the event. In addition, the appropriate agency in charge of oil pollution control activities in the state will also receive a complete copy. The Contact Numbers for a Spill Event portion of this plan has the contact numbers for “Reporting a Spill.”

- 1) Name, Location, and Type of the facility
- 2) Name of the person reporting the spill
- 3) Time, Date, Location, Type, and Quantity of the spill
- 4) Corrective actions and countermeasures taken
- 5) Maps, Flow Diagrams, and Topographical Maps, if necessary
- 6) The cause of the discharge including a failure analysis in which the failure occurred.
- 7) Preventive measures taken or considered to minimize the possibility of recurrence.
- 8) Any information the Regional Administrator may reasonably require pertinent to the plan or the discharge.

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Spill Prevention, Control, and Countermeasure Plan  
Surface/Underground Coal Mining Facility  
Pocahontas Coal Company, LLC – Pocahontas Complex

**12) Contact Numbers for a Spill Event**

**Reporting a Spill**

National Response Center	- 1-800-424-8802
United States EPA, Region III (Regional Administrator)	- 1-800-438-2474
WVDEP – Emergency Spill	- 1-800-642-3074
DEP Elkview Emergency Response Unit	- 1-304-558-5938

**Outside Contractor - Spill Response**

Veolia Environmental Services	- 1-304-755-0105 - 1-800-688-4005
Clean Harbors Environmental	- 1-304-776-7281 - 1-800-645-8265

**Disposal of Contaminants**

Heritage Crystal-Clean	- 1-304-346-3010
Raleigh County Landfill	- 1-304-255-9335

**13) Locations of the Potential Contaminants Map**

The Locations of Potential Contaminates Map, Attachment D, will show the location of all the potential contaminant sources that are located on the operation. The map is a 1" = 1000' scale map that has the associated permit areas shown.

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## Attachment A

### Potential Contaminant Sources and Controls

### Petroleum Products

Page   1   of   8  

ID#	Item Description:	Oil Storage Containers
1	Material:	Various Oils, Fluids, and Batteries
	Container Type:	Variable Quantity 5 Gallon Containers
	Primary Control:	5 Gallon Containers
	Secondary Control:	Tank Basin with Roof and Earthen Berms
	Permit Numbers:	S-3010-13, WV1027816, 46-09096

ID#	Item Description:	1,000 Gallon Steel Tank
2	Material:	Powerdrive Fluid SAE 50
	Container Type:	One (1) 1,000 Gallon Steel Tank
	Primary Control:	Double Walled Steel Tank
	Secondary Control:	Earthen Berms
	Permit Numbers:	S-3010-13, WV1027816, 46-09096

ID#	Item Description:	1,000 Gallon Steel Tank
3	Material:	Powerdrive Fluid SAE 30
	Container Type:	One (1) 1,000 Gallon Steel Tank
	Primary Control:	Double Walled Steel Tank
	Secondary Control:	Earthen Berms
	Permit Numbers:	S-3010-13, WV1027816, 46-09096

ID#	Item Description:	1,000 Gallon Steel Tank
4	Material:	Fleet Supreme EC Diesel Engine Oil SAE 15W-40
	Container Type:	One (1) 1,000 Gallon Steel Tank
	Primary Control:	Double Walled Steel Tank
	Secondary Control:	Earthen Berms
	Permit Numbers:	S-3010-13, WV1027816, 46-09096

ID#	Item Description:	1,000 Gallon Steel Tank
5	Material:	T5X Off Road Mobile Hydraulic Fluid SAE 10W
	Container Type:	One (1) 1,000 Gallon Steel Tank
	Primary Control:	Double Walled Steel Tank
	Secondary Control:	Earthen Berms
	Permit Numbers:	S-3010-13, WV1027816, 46-09096

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Spill Prevention, Control, and Countermeasure Plan  
Surface/Underground Coal Mining Facility  
Pocahontas Coal Company, LLC – Pocahontas Complex

**Attachment A**  
**Potential Contaminant Sources and Controls**  
**Petroleum Products**

Page   2   of   8  

ID#	Item Description:	10,000 Gallon Steel Tank
6	Material:	Off Road Diesel Fuel
	Container Type:	One (1) 10,000 Gallon Steel Tank
	Primary Control:	Double Walled Steel Tank
	Secondary Control:	Tank Basin and Earthen Berms
	Permit Numbers:	S-3010-13, WV1027816, 46-09096

ID#	Item Description:	1,000 Gallon Portable Steel Tank
7	Material:	Off Road Diesel Fuel
	Container Type:	One (1) 1,000 Gallon Steel Tank
	Primary Control:	Double Walled Steel Tank
	Secondary Control:	Earthen Berms
	Permit Numbers:	S-3010-13, WV1027816, 46-09096

ID#	Item Description:	500 Gallon Portable Steel Tank
8	Material:	Megaflow AW Hydraulic Oil 68
	Container Type:	One (1) 500 Gallon Steel Tank
	Primary Control:	Double Walled Steel Tank
	Secondary Control:	Earthen Berms
	Permit Numbers:	S-3010-13, WV1027816, 46-09096

ID#	Item Description:	1,000 Gallon Steel Tank
9	Material:	Off Road Diesel Fuel
	Container Type:	One (1) 1,000 Gallon Steel Tank
	Primary Control:	Double Walled Steel Tank
	Secondary Control:	Tank Basin and Earthen Berms
	Permit Numbers:	Q-3003-05, WV1021800

ID#	Item Description:	1,000 Gallon Steel Tank
10	Material:	Off Road Diesel Fuel
	Container Type:	One (1) 1,000 Gallon Steel Tank
	Primary Control:	Double Walled Steel Tank
	Secondary Control:	Earthen Berms
	Permit Numbers:	S-3001-06, WV1022032, 46-09096

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<b>ID#</b> <b>11</b>	Item Description:	1,000 Gallon Steel Tank
	Material:	Off Road Diesel Fuel
	Container Type:	One (1) 1,000 Gallon Steel Tank
	Primary Control:	Double Walled Steel Tank
	Secondary Control:	Earthen Berms
	Permit Numbers:	O-3007-07, WV1022253, 46-09229

<b>ID#</b> <b>12</b>	Item Description:	500 Gallon Steel Tank
	Material:	Off Road Diesel Fuel
	Container Type:	One (1) 500 Gallon Steel Tank
	Primary Control:	Double Walled Steel Tank
	Secondary Control:	Earthen Berms
	Permit Numbers:	O-3007-07, WV1022253, 46-09229

<b>ID#</b> <b>13</b>	Item Description:	1,000 Gallon Steel Tank
	Material:	Gasoline
	Container Type:	One (1) 1,000 Gallon Steel Tank
	Primary Control:	Double Walled Steel Tank
	Secondary Control:	Earthen Berms
	Permit Numbers:	O-3007-07, WV1022253, 46-09229

<b>ID#</b> <b>14</b>	Item Description:	10,000 Gallon Steel Tank
	Material:	Off Road Diesel Fuel
	Container Type:	One (1) 10,000 Gallon Steel Tank
	Primary Control:	Double Walled Steel Tank
	Secondary Control:	Tank Basin and Earthen Berms
	Permit Numbers:	O-3007-07, WV1022253, 46-09229

<b>ID#</b> <b>15</b>	Item Description:	250 Gallon Steel Tank
	Material:	Megaplex XD5 Grease #1
	Container Type:	One (1) 250 Gallon Steel Tank
	Primary Control:	Double Walled Steel Tank
	Secondary Control:	Earthen Berms
	Permit Numbers:	O-3007-07, WV1022253, 46-09229

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<b>ID# 16</b>	Item Description:	500 Gallon Steel Tank
	Material:	Megaplex XD5 Grease #1
	Container Type:	One (1) 500 Gallon Steel Tank
	Primary Control:	Double Walled Steel Tank
	Secondary Control:	Earthen Berms
	Permit Numbers:	O-3007-07, WV1022253, 46-09229

<b>ID# 17</b>	Item Description:	Oil Storage Containers
	Material:	Various Oils and Fluids
	Container Type:	Variable Quantity 5 Gallon and 55 Gallon Containers
	Primary Control:	5 Gallon and 55 Gallon Containers
	Secondary Control:	Tank Basin with Roof and Earthen Berms
	Permit Numbers:	O-3007-07, WV1022253, 46-09229

<b>ID# 18</b>	Item Description:	Oil Storage Containers
	Material:	Various Oils and Fluids
	Container Type:	Variable Quantity 5 Gallon and 55 Gallon Containers
	Primary Control:	5 Gallon and 55 Gallon Containers
	Secondary Control:	Tank Basin with Roof and Earthen Berms
	Permit Numbers:	O-3007-07, WV1022253, 46-09229

<b>ID# 19</b>	Item Description:	1,000 Gallon Steel Tank
	Material:	T5X Off Road Mobile Hydraulic Fluid SAE 10W
	Container Type:	One (1) 1,000 Gallon Steel Tank
	Primary Control:	Double Walled Steel Tank
	Secondary Control:	Tank Basin with Roof and Earthen Berms
	Permit Numbers:	O-3007-07, WV1022253, 46-09229

<b>ID# 20</b>	Item Description:	1,000 Gallon Steel Tank
	Material:	Fleet Supreme EC Diesel Engine Oil 15W-40
	Container Type:	One (1) 1,000 Gallon Steel Tank
	Primary Control:	Double Walled Steel Tank
	Secondary Control:	Tank Basin with Roof and Earthen Berms
	Permit Numbers:	O-3007-07, WV1022253, 46-09229

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<b>ID#</b>	<b>Item Description:</b> 1,000 Gallon Steel Tank
<b>21</b>	<b>Material:</b> Powerdrive Fluid SAE 50
	<b>Container Type:</b> One (1) 1,000 Gallon Steel Tank
	<b>Primary Control:</b> Double Walled Steel Tank
	<b>Secondary Control:</b> Tank Basin with Roof and Earthen Berms
	<b>Permit Numbers:</b> O-3007-07, WV1022253, 46-09229

<b>ID#</b>	<b>Item Description:</b> 1,000 Gallon Steel Tank
<b>22</b>	<b>Material:</b> Powerdrive Fluid SAE 30
	<b>Container Type:</b> One (1) 1,000 Gallon Steel Tank
	<b>Primary Control:</b> Double Walled Steel Tank
	<b>Secondary Control:</b> Tank Basin with Roof and Earthen Berms
	<b>Permit Numbers:</b> O-3007-07, WV1022253, 46-09229

<b>ID#</b>	<b>Item Description:</b> 1,000 Gallon Steel Tank
<b>23</b>	<b>Material:</b> BS-5
	<b>Container Type:</b> One (1) 1,000 Gallon Steel Tank
	<b>Primary Control:</b> Double Walled Steel Tank
	<b>Secondary Control:</b> Tank Basin and Earthen Berms
	<b>Permit Numbers:</b> O-3007-07, WV1022253, 46-09229

<b>ID#</b>	<b>Item Description:</b> 1,000 Gallon Steel Tank
<b>24</b>	<b>Material:</b> Used Oil
	<b>Container Type:</b> One (1) 1,000 Gallon Steel Tank
	<b>Primary Control:</b> Double Walled Steel Tank
	<b>Secondary Control:</b> Earthen Berms
	<b>Permit Numbers:</b> O-3007-07, WV1022253, 46-09229

<b>ID#</b>	<b>Item Description:</b> 500 Gallon Steel Tank
<b>25</b>	<b>Material:</b> Super ATF
	<b>Container Type:</b> One (1) 500 Gallon Steel Tank
	<b>Primary Control:</b> Double Walled Steel Tank
	<b>Secondary Control:</b> Tank Basin and Earthen Berms
	<b>Permit Numbers:</b> O-3007-07, WV1022253, 46-09229

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<b>ID#</b>	Item Description:	1,000 Gallon Steel Tank
<b>26</b>	Material:	Gasoline
	Container Type:	One (1) 1,000 Gallon Steel Tank
	Primary Control:	Double Walled Steel Tank
	Secondary Control:	Tank Basin with Roof and Earthen Berms
	Permit Numbers:	U-0162-83, WV1000063, 46-08873

<b>ID#</b>	Item Description:	Oil Storage Containers
<b>27</b>	Material:	Various Oils and Fluids
	Container Type:	Variable Quantity 55 Gallon Containers
	Primary Control:	55 Gallon Containers
	Secondary Control:	Tank Basin with Roof and Earthen Berms
	Permit Numbers:	U-0162-83, WV1000063, 46-08873

<b>ID#</b>	Item Description:	Oil Storage Containers
<b>28</b>	Material:	Various Oils and Fluids
	Container Type:	Variable Quantity 5 Gallon and 55 Gallon Containers
	Primary Control:	5 Gallon and 55 Gallon Containers
	Secondary Control:	Tank Basin with Roof and Earthen Berms
	Permit Numbers:	U-0162-83, WV1000063, 46-08873

<b>ID#</b>	Item Description:	Oil Storage Containers
<b>29</b>	Material:	Various Oils and Fluids
	Container Type:	Variable Quantity 5 Gallon and 55 Gallon Containers
	Primary Control:	5 Gallon and 55 Gallon Containers
	Secondary Control:	Tank Basin with Roof and Earthen Berms
	Permit Numbers:	U-0162-83, WV1000063, 46-08873

<b>ID#</b>	Item Description:	3,000 Gallon Steel Tank
<b>30</b>	Material:	Off Road Diesel Fuel
	Container Type:	One (1) 3,000 Gallon Steel Tank
	Primary Control:	Double Walled Steel Tank
	Secondary Control:	Earthen Berms
	Permit Numbers:	U-0162-83, WV1000063, 46-08873

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<b>ID#</b> <b>31</b>	Item Description:	Oil Storage Containers
	Material:	Various Oils and Fluids
	Container Type:	Variable Quantity 25 Gallon and 55 Gallon Containers
	Primary Control:	25 Gallon and 55 Gallon Containers
	Secondary Control:	Tank Basin with Roof and Earthen Berms
	Permit Numbers:	U-0162-83, WV1000063, 46-08873

<b>ID#</b> <b>32</b>	Item Description:	3,000 Gallon Steel Tank
	Material:	F-110 Reagent
	Container Type:	One (1) 3,000 Gallon Steel Tank
	Primary Control:	Double Walled Steel Tank
	Secondary Control:	Tank Basin with Roof and Earthen Berms
	Permit Numbers:	U-0162-83, WV1000063, 46-08873

<b>ID#</b> <b>33</b>	Item Description:	3,000 Gallon Steel Tank
	Material:	Off Road Diesel Fuel
	Container Type:	One (1) 3,000 Gallon Steel Tank
	Primary Control:	Double Walled Steel Tank
	Secondary Control:	Tank Basin with Roof and Earthen Berms
	Permit Numbers:	U-0162-83, WV1000063, 46-08873

<b>ID#</b> <b>34</b>	Item Description:	275 Gallon Portable Used Oil Tote
	Material:	Used Oil
	Container Type:	One (1) 275 Gallon Portable Tote
	Primary Control:	Portable Tote
	Secondary Control:	Earthen Berms
	Permit Numbers:	U-3036-92, WV1021681, 46-07191

<b>ID#</b> <b>35</b>	Item Description:	Oil Storage Containers
	Material:	Various Oils and Fluids
	Container Type:	Variable Quantity 5 Gallon and 55 Gallon Containers
	Primary Control:	5 Gallon and 55 Gallon Containers
	Secondary Control:	Tank Basin with Roof and Earthen Berms
	Permit Numbers:	U-3036-92, WV1021681, 46-07191

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ID# <b>36</b>	Item Description:	4,000 Gallon Steel Tank
	Material:	Off Road Diesel Fuel
	Container Type:	One (1) 4,000 Gallon Steel Tank
	Primary Control:	Double Walled Steel Tank
	Secondary Control:	Tank Basin and Earthen Berms
	Permit Numbers:	U-3036-92, WV1021681, 46-07191

ID#	Item Description:	_____
	Material:	_____
	Container Type:	_____
	Primary Control:	_____
	Secondary Control:	_____
	Permit Numbers:	_____

ID#	Item Description:	_____
	Material:	_____
	Container Type:	_____
	Primary Control:	_____
	Secondary Control:	_____
	Permit Numbers:	_____

ID#	Item Description:	_____
	Material:	_____
	Container Type:	_____
	Primary Control:	_____
	Secondary Control:	_____
	Permit Numbers:	_____

ID#	Item Description:	_____
	Material:	_____
	Container Type:	_____
	Primary Control:	_____
	Secondary Control:	_____
	Permit Numbers:	_____

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<b>ID#</b>	Item Description:	1,000 Gallon Steel Tank
<b>A</b>	Material:	Defend AL Heavy Duty Extended Life Anifreeze Coolant 50/50
	Container Type:	One (1) 1,000 Gallon Steel Tank
	Primary Control:	Double Walled Steel Tank
	Secondary Control:	Earthen Berms
	Permit Numbers:	S-3010-13, WV1027816, 46-09096

<b>ID#</b>	Item Description:	Portable Flocculant Tote
<b>B</b>	Material:	Enviro Floc CF-1
	Container Type:	One (1) 275 Gallon Plastic Tote
	Primary Control:	Tote
	Secondary Control:	Earthen Berms and Drainage Treatment
	Permit Numbers:	S-3020-09, WV1024469, 46-09096

<b>ID#</b>	Item Description:	1,000 Gallon Steel Tank
<b>C</b>	Material:	Defend AL HD Pre-Charged Coolant 50/50
	Container Type:	One (1) 1,000 Gallon Steel Tank
	Primary Control:	Double Walled Steel Tank
	Secondary Control:	Tank Basin with Roof and Earthen Berms
	Permit Numbers:	O-3007-07, WV1022253, 46-09229

<b>ID#</b>	Item Description:	3,000 Gallon Plastic Tank
<b>D</b>	Material:	Belt De-Icer
	Container Type:	One (1) 3,000 Gallon Plastic Tank
	Primary Control:	Plastic Tank
	Secondary Control:	Earthen Berms
	Permit Numbers:	U-0162-83, WV1000063, 46-08873

<b>ID#</b>	Item Description:	3,000 Gallon Plastic Tank
<b>E</b>	Material:	Belt De-Icer
	Container Type:	One (1) 3,000 Gallon Plastic Tank
	Primary Control:	Plastic Tank
	Secondary Control:	Earthen Berms
	Permit Numbers:	U-0162-83, WV1000063, 46-08873

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<b>F</b>	Item Description:	Portable Flocculant Tote
	Material:	Enviro Flocc CF-1
	Container Type:	One (1) 275 Gallon Plastic Tote
	Primary Control:	Tote
	Secondary Control:	Earthen Berms and Drainage Treatment
	Permit Numbers:	U-0162-83, WV1000063, 46-08873

<b>G</b>	Item Description:	Portable Flocculant Tote
	Material:	Enviro Flocc CF-1
	Container Type:	One (1) 275 Gallon Plastic Tote
	Primary Control:	Tote
	Secondary Control:	Earthen Berms and Drainage Treatment
	Permit Numbers:	U-0162-83, WV1000063, 46-08873

<b>H</b>	Item Description:	1,000 Gallon Plastic Tank
	Material:	Sodium Hydroxide
	Container Type:	One (1) 1,000 Gallon Plastic Tank
	Primary Control:	Plastic Tank
	Secondary Control:	Earthen Berms and Drainage Treatment
	Permit Numbers:	U-0162-83, WV1000063, 46-08873

<b>I</b>	Item Description:	3,000 Gallon Plastic Tank
	Material:	Belt De-Icer
	Container Type:	One (1) 3,000 Gallon Plastic Tank
	Primary Control:	Plastic Tank
	Secondary Control:	Earthen Berms
	Permit Numbers:	U-0162-83, WV1000063, 46-08873

<b>J</b>	Item Description:	1,500 Gallon Plastic Tank
	Material:	EN/ACT 7880 Clarification Aid
	Container Type:	One (1) 1,500 Gallon Plastic Tank
	Primary Control:	Plastic Tank
	Secondary Control:	Earthen Berms and Drainage Treatment
	Permit Numbers:	U-0162-83, WV1000063, 46-08873

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<b>ID#</b>	Item Description: <u>Portable Flocculant Tote</u>
<b>K</b>	Material: <u>Enviro Flocc CF-1</u>
	Container Type: <u>One (1) 275 Gallon Plastic Tote</u>
	Primary Control: <u>Tote</u>
	Secondary Control: <u>Earthen Berms and Drainage Treatment</u>
	Permit Numbers: <u>U-0162-83, WV1000063, 46-08873</u>

<b>ID#</b>	Item Description: <u>1,000 Gallon Plastic Tank</u>
<b>L</b>	Material: <u>Belt De-Icer</u>
	Container Type: <u>One (1) 1,000 Gallon Plastic Tank</u>
	Primary Control: <u>Plastic Tank</u>
	Secondary Control: <u>Earthen Berms</u>
	Permit Numbers: <u>U-3036-92, WV1021681, 46-08266</u>

<b>ID#</b>	Item Description: <u>1,000 Gallon Plastic Tank</u>
<b>M</b>	Material: <u>Belt De-Icer</u>
	Container Type: <u>One (1) 1,000 Gallon Plastic Tank</u>
	Primary Control: <u>Plastic Tank</u>
	Secondary Control: <u>Earthen Berms</u>
	Permit Numbers: <u>U-3036-92, WV1021681, 46-08266</u>

<b>ID#</b>	Item Description: <u>3,000 Gallon Plastic Tank</u>
<b>N</b>	Material: <u>Belt De-Icer</u>
	Container Type: <u>One (1) 3,000 Gallon Plastic Tank</u>
	Primary Control: <u>Plastic Tank</u>
	Secondary Control: <u>Earthen Berms</u>
	Permit Numbers: <u>U-0162-83, WV1000063, 46-08873</u>

<b>ID#</b>	Item Description: <u>3,000 Gallon Plastic Tank</u>
<b>O</b>	Material: <u>Belt De-Icer</u>
	Container Type: <u>One (1) 3,000 Gallon Plastic Tank</u>
	Primary Control: <u>Plastic Tank</u>
	Secondary Control: <u>Earthen Berms</u>
	Permit Numbers: <u>U-0162-83, WV1000063, 46-08873</u>

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<b>ID# P</b>	Item Description:	1,000 Gallon Plastic Tank
	Material:	Belt De-Icer
	Container Type:	One (1) 1,000 Gallon Plastic Tank
	Primary Control:	Plastic Tank
	Secondary Control:	Earthen Berms
	Permit Numbers:	U-0162-83, WV1000063, 46-08873

<b>ID# Q</b>	Item Description:	Portable Flocculant Tote
	Material:	Enviro Flocc CF-1
	Container Type:	One (1) 275 Gallon Plastic Tote
	Primary Control:	Tote
	Secondary Control:	Earthen Berms and Drainage Treatment
	Permit Numbers:	U-0162-83, WV1000063, 46-08873

<b>ID# R</b>	Item Description:	2,000 Gallon Plastic Tank
	Material:	PF-1
	Container Type:	One (1) 2,000 Gallon Plastic Tank
	Primary Control:	Plastic Tank
	Secondary Control:	Earthen Berms and Drainage Treatment
	Permit Numbers:	U-0162-83, WV1000063, 46-08873

<b>ID# S</b>	Item Description:	6,000 Gallon Plastic Tank
	Material:	CA-100
	Container Type:	One (1) 6,000 Gallon Plastic Tank
	Primary Control:	Plastic Tank
	Secondary Control:	Earthen Berms and Drainage Treatment
	Permit Numbers:	U-0162-83, WV1000063, 46-08873

<b>ID# T</b>	Item Description:	2,000 Gallon Plastic Tank
	Material:	PF-2
	Container Type:	One (1) 2,000 Gallon Plastic Tank
	Primary Control:	Plastic Tank
	Secondary Control:	Earthen Berms and Drainage Treatment
	Permit Numbers:	U-0162-83, WV1000063, 46-08873

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ID#	Item Description:	Portable Caustic Tote
U	Material:	Caustic Soda 20%
	Container Type:	One (1) 275 Gallon Plastic Tote
	Primary Control:	Tote
	Secondary Control:	Earthen Berms and Drainage Treatment
	Permit Numbers:	U-0162-83, WV1000063, 46-08873

ID#	Item Description:	Portable Flocculant Tote
V	Material:	Enviro Flocc CF-1
	Container Type:	One (1) 275 Gallon Plastic Tote
	Primary Control:	Tote
	Secondary Control:	Earthen Berms and Drainage Treatment
	Permit Numbers:	U-0162-83, WV1000063, 46-08873

ID#	Item Description:	5,000 Gallon Plastic Tank
W	Material:	FC-1150 Freeze Conditioning Agent
	Container Type:	One (1) 5,000 Gallon Plastic Tank
	Primary Control:	Plastic Tank
	Secondary Control:	Tank Basin and Earthen Berms
	Permit Numbers:	U-0162-83, WV1000063, 46-08873

ID#	Item Description:	5,000 Gallon Plastic Tank
X	Material:	FC-1150 Freeze Conditioning Agent
	Container Type:	One (1) 5,000 Gallon Plastic Tank
	Primary Control:	Plastic Tank
	Secondary Control:	Earthen Berms
	Permit Numbers:	U-0162-83, WV1000063, 46-08873

ID#	Item Description:	5,000 Gallon Plastic Tank
Y	Material:	FC-1150 Freeze Conditioning Agent
	Container Type:	One (1) 5,000 Gallon Plastic Tank
	Primary Control:	Plastic Tank
	Secondary Control:	Earthen Berms
	Permit Numbers:	U-0162-83, WV1000063, 46-08873

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<b>ID#</b>	Item Description:	1,000 Gallon Plastic Tank
<b>Z</b>	Material:	Belt De-Icer
	Container Type:	One (1) 1,000 Gallon Plastic Tank
	Primary Control:	Plastic Tank
	Secondary Control:	Tank Basin and Earthen Berms
	Permit Numbers:	U-0162-83, WV1000063, 46-08873

<b>ID#</b>	Item Description:	Portable Flocculant Totes
<b>AA</b>	Material:	Enviro Flocc CF-1
	Container Type:	Eight (8) 275 Gallon Plastic Totes (Quantity Varies)
	Primary Control:	Tote
	Secondary Control:	Earthen Berms
	Permit Numbers:	U-3036-92, WV1021681, 46-07191

<b>ID#</b>	Item Description:	Portable Flocculant Totes
<b>BB</b>	Material:	Enviro Flocc CF-1
	Container Type:	Two (2) 275 Gallon Plastic Totes
	Primary Control:	Tote
	Secondary Control:	Earthen Berms and Drainage Treatment
	Permit Numbers:	U-3036-92, WV1021681, 46-07191

<b>ID#</b>	Item Description:	Portable Flocculant Tote
<b>CC</b>	Material:	Enviro Flocc CF-1
	Container Type:	One (1) 275 Gallon Plastic Tote
	Primary Control:	Tote
	Secondary Control:	Earthen Berms and Drainage Treatment
	Permit Numbers:	S-3010-13, WV1027816, 46-09096

<b>ID#</b>	Item Description:	Portable Flocculant Tote
<b>DD</b>	Material:	Enviro Flocc CF-1
	Container Type:	One (1) 275 Gallon Plastic Tote
	Primary Control:	Tote
	Secondary Control:	Earthen Berms and Drainage Treatment
	Permit Numbers:	S-3010-13, WV1027816, 46-09096

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<b>ID#</b>	Item Description: <u>Portable Flocculant Tote</u>
<b>EE</b>	Material: <u>Enviro Flocc CF-1</u>
	Container Type: <u>One (1) 275 Gallon Plastic Tote</u>
	Primary Control: <u>Tote</u>
	Secondary Control: <u>Earthen Berms and Drainage Treatment</u>
	Permit Numbers: <u>S-3010-13, WV1027816, 46-09096</u>

<b>ID#</b>	Item Description: <u>Portable Flocculant Tote</u>
<b>FF</b>	Material: <u>Enviro Flocc CF-1</u>
	Container Type: <u>One (1) 275 Gallon Plastic Tote</u>
	Primary Control: <u>Tote</u>
	Secondary Control: <u>Earthen Berms and Drainage Treatment</u>
	Permit Numbers: <u>S-3010-13, WV1027816, 46-09096</u>

<b>ID#</b>	Item Description: <u>Portable Flocculant Tote</u>
<b>GG</b>	Material: <u>Enviro Flocc CF-1</u>
	Container Type: <u>One (1) 275 Gallon Plastic Tote</u>
	Primary Control: <u>Tote</u>
	Secondary Control: <u>Earthen Berms and Drainage Treatment</u>
	Permit Numbers: <u>S-3010-13, WV1027816, 46-09096</u>

<b>ID#</b>	Item Description: <u>500 Gallon Portable Steel Tank</u>
<b>HH</b>	Material: <u>Defend AL Universal Antifreeze 50/50</u>
	Container Type: <u>One (1) 500 Gallon Steel Tank</u>
	Primary Control: <u>Double Walled Steel Tank</u>
	Secondary Control: <u>Earthen Berms</u>
	Permit Numbers: <u>S-3010-13, WV1027816, 46-09096</u>

<b>ID#</b>	Item Description: <u>Portable Caustic Tote</u>
<b>II</b>	Material: <u>UN 1824 Sodium Hydroxide Solution</u>
	Container Type: <u>One (1) 275 Gallon Plastic Tote</u>
	Primary Control: <u>Tote</u>
	Secondary Control: <u>Earthen Berms and Drainage Treatment</u>
	Permit Numbers: <u>S-3007-11, WV1024761, 46-09096</u>

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## Attachment A

### Potential Contaminant Sources and Controls

### Chemical Products

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<b>ID#</b>	Item Description: <u>Portable Caustic Tote</u>
<b>JJ</b>	Material: <u>UN 1824 Sodium Hydroxide Solution</u>
	Container Type: <u>One (1) 275 Gallon Plastic Tote</u>
	Primary Control: <u>Tote</u>
	Secondary Control: <u>Earthen Berms and Drainage Treatment</u>
	Permit Numbers: <u>S-3007-11, WV1024761, 46-09096</u>

<b>ID#</b>	Item Description: <u>Portable Caustic Tote</u>
<b>KK</b>	Material: <u>UN 1824 Sodium Hydroxide Solution</u>
	Container Type: <u>One (1) 275 Gallon Plastic Tote</u>
	Primary Control: <u>Tote</u>
	Secondary Control: <u>Earthen Berms and Drainage Treatment</u>
	Permit Numbers: <u>S-3007-11, WV1024761, 46-09096</u>

<b>ID#</b>	Item Description: <u>Portable Caustic Tote</u>
<b>LL</b>	Material: <u>UN 1824 Sodium Hydroxide Solution</u>
	Container Type: <u>One (1) 275 Gallon Plastic Tote</u>
	Primary Control: <u>Tote</u>
	Secondary Control: <u>Earthen Berms and Drainage Treatment</u>
	Permit Numbers: <u>S-3007-11, WV1024761, 46-09096</u>

<b>ID#</b>	Item Description: <u>Portable Caustic Tote</u>
<b>MM</b>	Material: <u>UN 1824 Sodium Hydroxide Solution</u>
	Container Type: <u>One (1) 275 Gallon Plastic Tote</u>
	Primary Control: <u>Tote</u>
	Secondary Control: <u>Earthen Berms and Drainage Treatment</u>
	Permit Numbers: <u>S-3007-11, WV1024761, 46-09096</u>

<b>ID#</b>	Item Description: _____
	Material: _____
	Container Type: _____
	Primary Control: _____
	Secondary Control: _____
	Permit Numbers: _____

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# GENERIC GROUNDWATER PROTECTION PLAN FOR CONSTRUCTION SITES

To be considered a Groundwater Protection Plan (GPP) which can be implemented, this document must be completed in full. If a portion of this plan does not apply to your facility it should be marked "Not Applicable" or "NA". If more space is needed for any section, attach additional sheets to this document. Number any additions with the appropriate section number (For example: 47 CSR 58.4.11.1).

This GPP must be available on site for review at all times. The Director may require modification of a GPP to assure adequate protection of ground water.

If a facility does not have adequate ground water protection practices in place they may submit a compliance schedule for implementation of the necessary practices. This compliance schedule would allow them time (no longer than thirty days) to implement the necessary practices.

FACILITY/SITE INFORMATION	
Facility Name: Well 047-081-01372 (14355)	
Facility location: Devils Fork No. 2 Surface Mine	County: Raleigh
Latitude: 37 D 34' 32.7" N	Longitude: 81D 18' 24.3" W
Contact Person: Terry Hamrick	Telephone: 304-237-4661
Company Name: United Coal Company – Carter Roag Coal, Affinity Coal	
Mailing Address: 109 Appalachian Drive	<b>RECEIVED</b> Office of Oil and Gas  <b>JUL 18 2022</b>  WV Department of Environmental Protection
City, State, Zip Beckley, WV 25801	
Date Construction to begin: NA	
Date Construction to end: NA	
I certify that I have personally examined and approved this Groundwater Protection Plan (GPP). This GPP will be implemented and adhered to during the period construction is in progress at this site.	
Designated Representative:	Title:
Signature: <b>RECEIVED</b> Office of Oil and Gas	Date:

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## INVENTORY WORK SHEET FOR POTENTIAL CONTAMINANTS (47 CSR 58.4.11.1)

Complete the following table providing the storage location, quantity and potential to contaminate soil or ground water. If the potential contaminant listed is not kept on site, then enter "NA" in all three columns. If this site maintains additional items with the potential to contaminate ground water list the additional items in the spaces provided at the end of this list. The storage location should be indicated on a site map.

Potential Contaminant	Storage Locations	Quantity in Gallons	Potential to Contaminate Soil or Ground Water
Fertilizers/including ammonium nitrate	NA	NA	NA
Batteries/ Battery Acid	NA	NA	NA
Fuels ( tanks)	See attached approved GPP plan		See attached approved GPP plan Approved NPDES WW1027816 Devils Fork No. 2 - S3010-13
Lubricants (Oil/Grease) (tanks and drums)	See attached approved GPP plan		See attached approved GPP plan Approved NPDES WW1027816 Devils Fork No. 2 - S3010-13
Parts Cleaners	NA	NA	NA

## PROCEDURES DESIGNED TO PROTECT GROUND WATER AT CONSTRUCTION SITES (47 CSR 58.4.11.2)

Complete the following table providing the practices and procedures which will be in place at the construction site to prevent contamination of ground water by the potential contaminants. Equipment cleaning, maintenance activities, pipelines, and sumps and tanks which contain potential contaminants must be addressed. Examples of Groundwater Protection Practices can be found in 47 CSR 58.4. et seq.

Potential Contaminant	Procedures to Prevent Contamination of Ground Water
Fertilizers including ammonium nitrate	NA
Batteries/ Battery Acid	NA
Fuels (Tanks)	See attached approved GPP plan Approved NPDES WW1027816 Devils Fork No. 2 - S3010-13
Lubricants (Oil/Grease) (tanks and drums)	See attached approved GPP plan Approved NPDES WW1027816 Devils Fork No. 2 - S3010-13
Parts Cleaners	NA
Storage area for raw materials, product, or wastes	NA

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**47 CSR 58.4.11.4.**

A summary of all activities carried out under other regulatory programs that have relevance to ground water protection. Indicate below all permits, required plans and regulatory agencies who have any control over the facility and how the facility could impact ground water. Examples WW/National Pollutant Discharge Elimination System, WW/DEP/OWM Solid Waste Facility Permit, WW/DEP/OWM Hazardous Waste Facility Permit, WW/DEP/OWM Underground Storage Tank Program, Resource Conservation Recovery Act (RCRA), Comprehensive Environmental Response, Compensation & Liability Act (CERCLA), Toxic Substances Control Act, Underground Injection Control Permit, and WV Department of Health (septic tanks and sewage systems)

PERMIT NUMBER	PERMIT
WW1027816	WW NPDES Permit

**47 CSR 58.4.11.5.**

A discussion of all available information reasonably available to the facility/activity regarding existing ground water quality at, or which may be affected by the site. Complete the following table as much as possible and attach a brief description of readily available information such as soil type, type of underlying geologic formations, the results of any percolation tests conducted by the county health department for septic tanks, and the results of any sampling activity at the facility from monitoring wells, drinking water wells, springs, or seeps. The location of the sampling points should be identified on the site sketch. Monitoring wells and sampling are not requirements of a GPP. However, if the information is available it should be included. Prior spills, remediation efforts, and known contamination, both on site and at adjacent or nearby sites, should be included.

Closest surface water body:	Beetree Branch
Distance to closest surface water body:	0.10 mi
Depth to ground water (if known):	Unknown
Known ground water monitoring wells within 2000 feet:	
Known public or private drinking water wells within 2000 feet:	<p style="text-align: center;">RECEIVED Office of Oil and Gas  JUL 18 2022</p>
Closest Well Head Protection Area:	<p style="text-align: center;">WV Department of Environmental Protection</p>
Closest Source Water Protection Area:	

**47 CSR 58.4.11.6.**

No wastes will be used for deicing, ice control, structural fills, road base or other uses unless provided for in existing regulations.

**47 CSR 58.4.11.7.**

All employees will be trained on their responsibility to ensure groundwater protection. Current job procedures provide direction on how to prevent ground water contamination through proper work practices.

**47 CSR 58.4.11.8.**

Every three months during the life of the construction activity the site will be inspected to ensure that all elements and equipment of the sites ground water protection program are in place, properly functioning, and appropriately managed.



Kennedy, James P <james.p.kennedy@wv.gov>

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## plugging permit issued 4708101372

2 messages

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**Kennedy, James P** <james.p.kennedy@wv.gov>

Fri, Oct 14, 2022 at 12:55 PM

To: terry.hamrick@unitedcoal.com, Gary L Kennedy <gary.l.kennedy@wv.gov>, raleigh@wvassessor.com


To whom it may concern, a plugging permit has been issued for 4708101372.

James Kennedy

WVDEP OOG

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### 2 attachments

 **4708101372.pdf**  
8286K

 **IR-8 Blank.pdf**  
237K

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**Kennedy, James P** <james.p.kennedy@wv.gov>

Fri, Oct 14, 2022 at 1:00 PM


To: terry.hamrick@unitedcoal.com, Gary L Kennedy <gary.l.kennedy@wv.gov>, raleigh@wvassessor.com

Please use this copy of the permit. Apologizes.

[Quoted text hidden]

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### 2 attachments

 **4708101372.pdf**  
8404K

 **IR-8 Blank.pdf**  
237K

10/14/2022