

Module 16: Large Noncoal Blast Plan

(Chapter 211/§§ 77.561/77.562/77.563/77.564)

☒ New
☐ Revised

Permittee Rockwood Stone, LLC.
Permit No. New
Mine Name Rockwood Quarry
County Black
Township Somerset

Blasting Contractor J&D Explosives Inc.

Blasting Contractor ATF Permit License No. 8-PA-111-20-5H-00931

An application for proposed blasting shall contain a blasting plan for the proposed permit area, explaining how the applicant intends to comply with §§ 77.561-77.565 (relating to use of explosives) and including the following; drilling patterns, including size, number, depths and spacing of holes, charge and packing of holes, types of initiation and detonation controls, sequence and timing of firing holes, and scaled distance. Persons responsible for blasting operations at a blasting site shall be familiar with the blasting plan and site-specific performance standards (25 Pa. Code Chapter § 77.453).

A permit issued under the Noncoal Surface Mining and Conservation and Reclamation Act (52 P. S. §§ 3301-3326), and the regulations promulgated thereunder (25 Pa. Code Chapter 77), authorizing blasting activity shall act as a blasting activity permit issued under 25 Pa. Code Chapter 211. An application for a blasting activity permit shall be prepared by a blaster and shall include information needed by the Department to determine compliance with applicable laws and regulations and conditions necessary to ensure that the proposed blasting activity complies with the applicable statutes and 25 Pa. Code Chapter 211. (25 Pa. Code Chapter § 211.121, 25 Pa. Code Chapter § 211.124).

Sections 16.1 through 16.12 and Sections 16.14 through 16.17 must be submitted with the permit application. Section 16.13 (relating to public notice of blasting schedule) must be submitted prior to blast plan approval. There shall be no blasting until a blast plan has been approved by the Department.

There is a fee required under 25 PA Code Chapter § 77.106 for each blast plan application. Please refer to: <https://www.dep.pa.gov/Business/Land/Mining/BureauofDistrictMining/Pages/Fees.aspx> for the most current fee rates.

Is the fee being submitted with the application?

☒ Yes ☐ No

16.1a Blast Loading Plan 1 (§ 77.453)

	Hole DIA.	MAX # HOLES	MAX # ROWS	BURDEN		SPACING		HOLE DEPTH		STEMMING	
				MIN.	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.	TYPE
A	6 ¾"	100	10	15'	20'	15'	20'	8'	60'	7	Drill chips/Shale
B	6 ¼"	100	10	12'	18'	12'	18'	6'	60'	7	Drill chips/Shale
C	5 ½"	100	10	7'	15'	7'	15'	6'	60'	5	Drill chips/Shale
D	4 ½"	100	10	6'	12'	6'	12'	5'	60'	4	Drill chips/Shale
E											

Maximum explosives weight per delay (less than 8ms) See below Minimum Scaled Distance See below
 Specific Type of Explosives Anfo Emulsion Blend Water Gel Cast Booster
 Method of blast initiation Electric ☒ Non-Electric ☒ Other ☒
 Explain Other: Electronic

Comments:

A	6 ¾" hole 1800# Maximum per delay (less than 8 ms) Minimum Scaled Distance 27
B	6 ¼" hole 725# Maximum per delay (less than 8 ms) Minimum Scaled Distance 27
C	5 ½" hole 1400# Maximum per delay (less than 8 ms) Minimum Scaled Distance 27
D	4 ½" hole 550# Maximum per delay (less than 8 ms) Minimum Scaled Distance 27
E	

16.1b Blast Loading Plan 2 (§ 77.453)

	Hole DIA.	MAX # HOLES	MAX # ROWS	BURDEN		SPACING		HOLE DEPTH		STEMMING	
				MIN.	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.	TYPE
A											
B											
C											
D											
E											

Maximum explosives weight per delay (less than 8ms) _____ Minimum Scaled Distance _____

Specific Type of Explosives _____

Method of blast initiation Electric ☐ Non-Electric ☐ Other ☐

Explain Other _____

Comments:

A	
B	
C	
D	
E	

16.2 Peak Particle Velocity and Airblast Limits (§§ 211.151 (c),(d))

Blasts shall be designed and conducted to meet the maximum allowable peak particle velocity indicated by Figure 1 of 25 PA Code Chapter 211.151 (c) and not exceed the noise levels specified in Table 1 of 25 PA Code Chapter 211.151 (d) at the closest building not owned or leased by the permittee or its customer.

The Department may establish an alternative peak particle velocity or airblast level if it determines that an alternative standard is appropriate or if the owner and lessee, if leased to another party, of a structure located on the permit area have each signed a waiver releasing the vibration limit. The waiver shall be clear, knowing and specific. (attachment(s) **NOTE:** Additional review time will be necessary if the applicant submits a waiver for an alternative peak particle or airblast limit at a structure.

16.3 Will the sequence and timing of hole detonation be determined by considering factors such as geology, direction and proximity of homes or other structures, permit boundaries, or the locations of underground or overhead utilities. (§ 77.453) ☒ Yes ☐ No

16.4 Will the loading of holes be determined by considering factors such as geology, direction and proximity of homes or other structures, permit boundaries, or the locations of underground or overhead utilities. (§ 77.453) ☒ Yes ☐ No

16.5 Blasting near Dwellings, Public Buildings or Schools (§ 77.564(g)(3))

Will blasting occur within 1,000 feet of any dwelling, public building or school? ☒ Yes ☐ No

Indicate distance to the nearest dwelling or structure, neither owned nor leased by Permittee, from the area where blasting will occur. Approximately 520 feet – Property (14)

16.6 If blasting will occur within 1,000 feet of any public building or school, explain how notification required by 25 Pa Code § 77.564(g)(3) will be made.

No blasting will occur within 1,000' of any public building or school.

16.7 Will blasting be conducted within 300 feet of an occupied dwelling? (§ 77.564(g)(4)) ☐ Yes ☒ No

16.7a If blasting is proposed within 300 feet of an occupied dwelling provide a notarized written waiver from the owner each dwelling specifying the distance blasting may occur to the dwelling (**Note:** If the waiver includes an increase in the peak particle velocity limits or in the airblast limits, in 25 Pa Code Section 211.151(c) and (d), the alternative limits must be specified in the waiver). (Attachment) (§ 77.564(g)(4))

16.8 Will blasting will be conducted within 800 feet of any public road? (§ 77.564(g)(1)) ☐ Yes ☒ No

16.8a If blasting will be conducted within 800 feet of any public road describe the precautions that will be taken to protect the travelling public (can be submitted as an attachment): (§ 77.564(g)(1))

16.9 Blast Area (§§ 77.564(d)(1), 77.564(e))

Describe how the blast area as defined in 25 Pa Code Section 211.101 will be determined, the procedures for notification of all persons who may have access to the blast area, and how the blast area will be secured and safeguarded (can be submitted as an attachment):

All areas will have signs designating blasting area. Roads will be blocked by personnel. Blaster will notify job site personnel in person, by radio or by phone.

16.10 Underground Mines (§ 77.551)

Will blasting occur within 500 feet to any point over or adjacent to an active or abandoned portion of an active underground mine? ☐ Yes ☒ No

If yes attach completed MSHA form. (*Attachment*)

16.11 Underground Utility Lines (§ 211.181-182)

Will blasting be conducted within 200 of feet Underground Utility Lines? ☒ Yes ☐ No

If underground utilities are located within 200 feet of the area where blasting will occur, attach a copy of the notification sent to the owner(s) (submit as an attachment).

See attached notification letter to the gasoline company.

If there are any requests for waiver of any of the provisions of 211.182 attach copies of any agreements with the owner(s) of the utilities (submit as an attachment).

No proposed waiver is requested. For areas within 200' of the gasoline, blasts will be designed for minimum scaled distance of 13 and seismograph monitoring will be utilized. Ground vibration will be limited to 4 inches per second.

16.12 Streams (§ 73 P.S. s 166(d))

If blasting will occur within 100 feet of any streams, identify the stream and indicate the distance blasting will occur from the stream.

Stream: N/A Distance: N/A

16.13 Public Notice of Blasting Schedule (§ 77.563)

Submit the following to the Department prior to the initiation of blasting.

- a) A Copy of the public notice of the blasting schedule that is published in a newspaper of general circulation in the locality of the area where blasting will occur (submit as an attachment)

See attached draft public notice.

- b) A List of the Local governments and public utilities that are located within 1,000 feet of the area where blasting will occur, who received copies of the blasting schedule. (**Note:** These shall be sent a copy of the blasting schedule.) (submit as an attachment)

See attached list of local government and public utilities that will receive copies of the blasting schedule.

Final dates and blast plan components will be forwarded to the Department for approval prior to the commencement of blasting activities on the large non coal mine site.

16.14 Explosive Storage (§ 87.65(a)(11))

Will explosives be stored within the proposed blasting area? ☐ Yes ☒ No

If "yes" provide current explosives storage security plan number. _____

If no explain the disposition of explosives materials used for this project.

Contract Blaster will return all explosives to the contract blasters approved magazine site

16.15 Blast Plan Preparer (§ 211.124(a))

The PA licensed blaster who prepared this application must print and sign name below. (General or Surface Mining Authorization Only)

Licensed Blaster Tiffany L. Woullard
Print

Licensed Blaster Tiffany L. Woullard Date 1/28/25 Blaster's license Number BL-3602
Sign (General or Surface Mining Authorization)

16.16 Permittee Authorization Representative (§ 77.107)

The permittee or an authorized representative of the permittee must print and sign name below.

Permittee or Authorized Representative: Spencer Svonavec
Print

Permittee or Authorized Representative [Signature] Date 1-29-25
Sign

16.17 Map (attachment-delineates where blasting will occur and the area within 1,000 feet of where blasting will occur.) (If explosives are going to be stored on the mine site, the location of the explosives storage must be included on the map.) The map should accurately show, at a minimum, permit boundaries, the locations of streams, gas wells and lines, other underground utilities, overhead utilities and the nearest dwellings and other structures. (§§ 211.124(7)), (77.454(a)(9))

16.18 List of attachments (Check all that apply)

- ☐ Dwelling Waiver
- ☐ Road Precaution Description
- ☐ Blast Area Security Plan
- ☐ MSHA Form
- ☒ Utility Notification
- ☒ Blast Schedule Public Notice - **Draft**
- ☒ Map
- ☐ Other _____
- ☐ Other _____

Department Use Only:

DEP Blasting Inspector _____
Print

DEP Blasting Inspector _____ Date _____
Sign

Recommendation - ☐ Approval ☐ Disapproval

Comments:

NOTIFICATION LIST
UTILITIES & LOCAL GOVERNMENT WITHIN 1000'

CNX MIDSTREAM PARTNERS LP
200 HALLAM ROAD
WASHINGTON PA 15301

FIRST ENERGY – PENELEC
800 CABIN HILL DRIVE
GREENSBURG PA 15601

ROCKWOOD BOROUGH WATER AUTHORITY
669 SOMERSET AVENUE
ROCKWOOD PA 15557

BLACK TOWNSHIP
C/O TOWNSHIP SUPERVISORS
415 CAROLUS ROAD ,
ROCKWOOD PA 15557

PUBLIC NOTICE NEW BLAST

Rockwood Stone, LLC, 1281 Rubright Road, Rockwood, PA 15557 proposes to conduct overburden blasting in compliance with all applicable State and Federal laws. The blasting will occur on the Rockwood Quarry, **SMP # To Be Determined**, approximately 0.75 mile south of Rockwood in Black Township, Somerset County, approximately 2000 feet east of the intersection of SR 3011 (Markleton School Road) and SR 2016 (Rockdale Road) on the Metzgar property.

BLASTING SCHEDULE

Blasting will occur between the hours of 8:00 am and 12:00 pm, 12:30 pm and 4:30 pm, and 5:00 pm and 9:00 pm or dusk, weather permitting, every day except Sundays, commencing on or after **Date to be determined** and continuing thru **Date to be determined**.

Ten minutes prior to each scheduled blast, all access to the specific area will be controlled and safeguarded from unauthorized entry.

Two (2) minutes prior to blasting, an air horn warning signal, audible to one half mile from the blast site will be given. This pre-blast warning shall consist of three- (3) signals of five- (5) seconds duration, with five (5) seconds between each signal. One (1) signal of ten- (10) seconds duration shall be the "All Clear" indication.

The following conditions may require unscheduled blasting: adverse atmospheric conditions, public or operator safety, equipment failure, illness and/or injury of the blaster, and blocked drill holes or water filled holes.

***** **END OF NOTICE** *****

INSTRUCTIONS FOR THE DAILY AMERICAN
EMAIL: dailyamericanlegals@gannette.com

1. Please publish this legal ad one (1) time only on: **Date to be determined**
2. Please send the **proof-of-publication** to: Earthtech, Inc.
Attn: Heather Leydig
PO Box 4-A
Lemont Furnace, PA 15456
724-439-1313, ext.227
3. Please send the **bill** to: Rockwood Stone, LLC
1281 Rubright Road
Rockwood, PA 15557
814-442-4025