



Sent via Fed-Ex

Hanson Aggregates Pennsylvania LLC
7660 Imperial Way
Allentown, PA 18195-1040
Tel 610-366-4819
Fax 610-871-5994

February 21, 2018

Michael Kutney, P.G.
Pennsylvania Department of Environmental Protection
Pottsville District Mining Office
5 West Laurel Boulevard
Pottsville, PA 17901-2454

**Re: Module 16: Large Noncoal Blast Plan
Rock Hill Quarry
SMP No. 7974SM1
East Rockhill Township
Bucks County, Pennsylvania**

Dear Mr. Kutney:

Hanson Aggregates Pennsylvania LLC (Hanson) is submitting one (1) original and two (2) copies of the Rock Hill Quarry Module 16: Large Noncoal Blast Plan pursuant to the Department's letter dated January 22, 2018. Check # 21448102 is also included for the listed fee.

Please feel free to contact me at (610) 366-4819 should you wish to discuss the submission or require additional information.

Sincerely,

A handwritten signature in blue ink, appearing to read "AJG", written over a light blue horizontal line.

Andrew J. Gutshall, P.G.
Area Environmental Manager

encl: Check # 21448102
Module 16: Large Noncoal Blast Plan

cc: Mark E. Kendrick, Hanson – Allentown (email only)
Timothy J. Poppenberg, Hanson – Allentown (email only)
Darren Landis, R.E. Pierson (email only)
Shane LaGray, Maine Drilling & Blasting (email only)
Environmental File

Vendor Name	Vendor Number	Check Date	Check Number
COMMONWEALTH OF	343231	02/08/2018	21448102

Invoice Date	Invoice Number	Remarks	Gross Amount	Discount	Net Amount
02/05/2018	MCR020518	7974SM1	475.00		475.00
TOTALS			\$475.00	\$0.00	\$475.00

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Lehigh Hanson
HEIDELBERGCEMENT Group

Bank of America, N.A.
Dallas, TX 75201

64-1278
611 GA

DATE **CHECK NO.**
02/08/2018 21448102

Lehigh Hanson Inc.
300 E. John Carpenter Frwy
Suite 1645
Irving, TX 75062

PAY FOUR HUNDRED SEVENTY FIVE AND 00/100*****

AMOUNT
\$***475.00**
Void after 180 days

TO THE ORDER OF COMMONWEALTH OF PENNSYLVANIA



Authorized Signatures

Module 16

Large Noncoal Blast Plan

Module 16: Large Noncoal Blast Plan

[Chapter 211/§ 77.561/77.562/77.563/77.564]

- New
- Revised

Permittee Hanson Aggregates PA LLC
 Permit No. 7974SM1
 Mine Name Rock Hill Quarry
 County Bucks
 Township East Rockhill

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 16.11 and Sections 16.13 through 16.17 must be submitted with the permit application. Section 16.12 (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. The fee is \$475. 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	5"	150	10	6	12	6	16	10	65	7	Crushed Stone
B	5.5"	150	10	6	12	6	16	10	65	7	Crushed Stone
C	6"	100	10	6	14	6	18	10	65	7	Crushed Stone
D	6.5"	100	10	6	15	6	18	10	65	7	Crushed Stone
E											

Maximum explosives weight per delay (less than 8ms) 1100 Minimum Scaled Distance 30

Method of blast initiation Electric Non-Electric Other
 Explain Other Electronic

Comments:

A	Broad parameters are used to include production, overburden, development and secondary blasting. Maximum number of rows (10) respective to burden is requested to include ramp or other development blasting. Holes 10' to 15' deep will be a min. of 6' of stemming. Holes 16' to 35' deep will be a min. of 7' of stemming. Holes 36' to 45' deep will be a min. of 7' of stemming. holes 46' to 65' deep will be a min. of 7" of stemming.
B	Broad parameters are used to include production, overburden, development and secondary blasting. Maximum number of rows (10) respective to burden is requested to include ramp or other development blasting. Holes 10' to 15' deep will be a min. of 6' of stemming. Holes 16' to 35' deep will be a min. of 7' of stemming. Holes 36' to 45' deep will be a min. of 7' of stemming. holes 46' to 65' deep will be a min. of 7' of stemming.
C	Broad parameters are used to include production, overburden, development and secondary blasting. Maximum number of rows (10) respective to burden is requested to include ramp or other development blasting. Holes 10' to 15' deep will be a min. of 6' of stemming. Holes 16' to 35' deep will be a min. of 7' of stemming. Holes 36' to 45' deep will be a min. of 7' of stemming. holes 46' to 65' deep will be a min. of 7' of stemming.
D	
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	3	150	10	5	10	5	12	10	50	5	Crushed Stone
B	3.5	150	10	5	10	5	12	10	50	6	Crushed Stone
C	4	150	10	5	12	5	15	10	50	6	Crushed Stone
D											
E											

Maximum explosives weight per delay (less than 8ms) 500 Minimum Scaled Distance 20

Method of blast initiation Electric Non-Electric Other
 Explain Other Electronic

Comments:

A	This pattern and bit size will be utilized when blasting for development work. Holes 10' to 15' deep will be a min. of 6' of stemming. Holes 16' to 35' deep will be a min. of 7' of stemming.
B	Hole size and pattern to be implemented as certain development needs arise. This will help with keeping the blast control. Holes 10' to 15' deep will be a min. of 6' of stemming. Holes 16' to 35' deep will be a min. of 7' of stemming.
C	Hole size and pattern to be implemented as certain development needs arise. This will aid in control of the blast when blasting shallow holes. Holes 10' to 15' deep will be a min. of 6' of stemming. Holes 16' to 35' deep will be a min. of 7' of stemming.
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. 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. 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. 1,100 feet

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

N/A

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))**

N/A

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 access to the blast area will be blocked and guarded at the time of blast. "Warning, Blast Area" signage to be posted at all times during the loading process.

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).

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).

16.12 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)

Blasting Public Notice already on file at Pottsville District Mining Office

- 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)

16.13 Explosive Purchase (211.123)

Will a blasting contractor conduct blasting at this site? Yes No

If no provide the permittee's Explosives Purchase Permit number: PP# _____

16.14 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 Jeffrey Magnuson
Print

Licensed Blaster 
Sign

Date 12/05/17


Blaster's license Number 9669
BL-7401
(General or Surface Mining Authorization)

16.15 Permittee Authorization Representative (77.107)

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

Permittee or Authorized Representative Mark E. Kendrick - Vice President

Print

Permittee or Authorized Representative 

Sign

Date 2/20/18

16.16 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))

16.17 List of attachments (Check all that apply)

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

Department Use Only:

DEP Blasting Inspector _____
Print

DEP Blasting Inspector _____ Date _____
Sign

Recommendation - Approval Disapproval

Comments:

Gutshall, Andrew J (Allentown) USA

From: TrackingUpdates@fedex.com
Sent: Thursday, February 22, 2018 11:32 AM
To: Gutshall, Andrew J (Allentown) USA
Subject: FedEx Shipment 771536655102 Delivered

Your package has been delivered

Tracking # 771536655102

Ship date:
Wed, 2/21/2018

Andrew Gutshall
Lehigh Hanson, Inc.
Allentown, PA 18195
US



Delivery date:
Thu, 2/22/2018 11:28
am

Michael Kutney, P.G.
PA DEP - Pottsville DMO
5 W LAUREL BLVD
POTTSVILLE, PA 17901
US

Shipment Facts

Our records indicate that the following package has been delivered.

Tracking number: [771536655102](#)

Status: Delivered: 02/22/2018 11:28 AM
Signed for By: S.WEINRICH

Signed for by: S.WEINRICH

Delivery location: POTTSVILLE, PA

Delivered to: Receptionist/Front Desk

Service type: FedEx Priority Overnight


Packaging type: FedEx Envelope

Number of pieces: 1

Weight: 0.50 lb.

Special handling/Services: Deliver Weekday

Standard transit: 2/22/2018 by 12:00 pm

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Thank you for your business.