



OFFICIAL USE ONLY
2694739

Date 2/2/18

EXPLOSIVES INSPECTION REPORT

(TYPE: EXPLO)

| | | | | | | |
|--|--|-----------------------|-------------------|---|-----------------|------------|
| Name: Hanson Aggregates, LLC. | Municipality/Township: East Rockhill Twp | License/Permit | Program | Inspected Entity | ENF Type | IRC |
| Address: 7660 Imperial Way Allentown, PA 18195-1040 | County: Bucks | BAP | | | | |
| | Blaster's Name: Jeff Magnuson | SMP 7974SM1 | MIM | PF | | NOVIO |
| Telephone: 610-366-4600 | Blasters License: BL-9669 | BL | | | | |
| | Weather: windy/cold & partly cloudy | SP | | | | |
| Contract Blaster: Maine Drilling & Blasting, Inc. | Wind Direction: | PP | | | | |
| Address: | Site Name: Rockhill Quarry | | Longitude: | Permit Status: active | | |
| | Complaint ID: | | Latitude: | Inspection Result: No violations were cited. | | |

Remarks: Onsite for the first blast to be conducted by Maine Drilling & Blasting for R.E. Pierson and to meet with East Rockhill Twp for a blast site review. I met with the blaster-in-charge (BIC) to so as to review the blast loading & time schedule. A review of all seismic locations were reviewed with the BIC and Mr. Gary Mensinger, Jr. (also a blaster for Maine). Mr. Mensinger and myself went to the seismic locations which they were going to conduct seismic monitoring. Blasting contractor monitored four locations (see attached map) and the Department monitored at the pipeline and the water authority. The seimograph at the nearest dwelling was the only machine to trigger. levels recorded were ppv=0.00719 & dB=123.6. Trigger levels on seismographs were set at 0.05 ppv on the blasting contractor's machines and 0.02 ppv on the Department's. The blast conducted on 2/2/18 consisted of 44 loaded holes, 4 1/2" dia., 10' - 28' depths, 7' X 8' burden/spacing, 7' - 14' of stemming (1b stone), 367.5 lbs. per delay (2 holes per delay were used), shot loaded with cast boosters and a 80/20 emulsion blend, and a total lbs. explosives used 5,537.44. Scaled distance from the blast site to the closest non-owned dwelling was 78.24, which the RI-8507 worst case vibration prediction would be a ppv =0.31. Shot was loaded and detonated in a safe manner. Blast was loaded in compliance with the Department's regulations and current onsite blast requirements. Seismic monitoring was conducted in compliance with the Department's regulation and all results were in compliance with structural damage criteria. Upon completing this inspection, there does not appear to be any anomalies indicated. The Department currently plans to conduct at least two more blast inspections for compliance and data collection. No violations were cited from result of this blast.

| | | | | | | | | |
|--|------------------------|--|--------------------|---|---|---|---|---|
| Person contacted (please print) Darren Landis -- Peirson | Title Safety | Times-On-Site _____ to _____ | Page 1 of 1 | | | | | |
| Blasting Inspector Ross Klock | | ID# | 4 | 9 | 4 | 6 | 7 | 4 |
| Accompanied By Amiee Bollinger, SMCI | | ID# | | | | | | |

The responsible party signature acknowledges that he/she has read the report, including the reverse side, and that he/she was given the opportunity to discuss it with the investigator. The signature does not necessarily mean he/she agrees with the report.

- White - District File Yellow - Operator Pink - Blasting Insp. Goldenrod - SMCI/Other

CC: A. Bollinger, SMCI
G. Lubahn, EGM

**Rockhill Quarry
2/2/2018 Blast
Site &
Seismograph
Locations**

- Legend**
- Bethel Baptist Church
 - Blast Site
 - Rock Hill
 - Seismograph Locations
 - State Game Lands Number 139

