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**From:** Kutney, Michael  
**Sent:** Tuesday, April 30, 2019 2:23 PM  
**To:** 'Gutshall, Andrew J (Allentown) USA'; Furlong, Erika (erfurlong@pa.gov); Lambeth, Craig; Cain, Virginia; Shader, Neil; Shankar, Sachin; James Rebarchak (jrebarchak@pa.gov); 'Marianne Morano'; Tallman, Richard; Hamlin, Michele; Louis Vittorio (lvittorio@earthres.com)  
**Cc:** Latsha, Gary; Bollinger, Amiee; Sammarco, Daniel; Stefanko, John; Kendrick, Mark E (Allentown) USA; Burns, Matthew S (Allentown) USA; Kimball, Nathan R (Allentown) USA; Curt Mitchell (cmitchell@repierson.com); Slavic Mokienko; Bill Bowling  
**Subject:** RE: [External] Rock Hill Quarry - Dust Suppression Procedures for Core Drilling & Boulder Field Analysis  
**Attachments:** 2019\_04\_25 ERG RHQ Response to DEP and TWP Comments.pdf; 2019\_04\_03 ERG Rock Hill Quarry Sampling Plan.pdf

Andrew and Lou-

The Department has reviewed the dust control plan submitted by Hanson, the core drilling plan, and the response to comments (both attached) submitted by EarthRes.

The Department authorizes Hanson and Pierson to conduct exploratory core drilling and boulder field sampling as described in the attached plans. All operations must be conducted in accordance with the dust control measures described below.

Mining and related activities remain under the standing cessation order. Any site activity is to be in support of exploratory core drilling and boulder sampling efforts only.

Please contact me if you have any questions.

-Mike

**Michael Kutney, P.G.** | Chief, Permits & Technical Section  
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**From:** Gutshall, Andrew J (Allentown) USA <Andrew.Gutshall@LehighHanson.com>  
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**To:** Kutney, Michael <mkutney@pa.gov>  
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Matthew S (Allentown) USA <Matthew.Burns@LehighHanson.com>; Kimball, Nathan R (Allentown) USA <Nathan.Kimball@LehighHanson.com>; Curt Mitchell (cmitchell@repierson.com) <cmitchell@repierson.com>; Slavic Mokienko <smokienko@repierson.com>; Bill Bowling <bbowling@repierson.com>  
**Subject:** [External] Rock Hill Quarry - Dust Suppression Procedures for Core Drilling & Boulder Field Analysis

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Mike,

Pursuant to our telephone conversation a short time ago, please find the procedures below that should eliminate the potential for fugitive dust generation during the core drilling and boulder field analysis efforts in the QGSS Plan.

#### **Core Drilling**

- Prior to mobilization of the core drilling rig to the working benches, the site water truck will be used to wet down all internal roadways that will be used.
- As required by the Mining and Air permits for the Rock Hill Quarry, the water truck will be utilized to wet down internal roads to prevent fugitive dust during all site work.
- All vehicles at the site will abide by the 15 miles per hour (mph) speed limit.
- The core drilling rig is a wet process and utilizes water as the cutting fluid, therefore this type of drilling does not emit fugitive dust.

#### **Boulder Field Analysis**

- As required by the Mining and Air permits for the Rock Hill Quarry, the water truck will be utilized to wet down internal roads to prevent fugitive dust during all site work.
- The reconnaissance associated with inspection of the boulders at the site involves a Pennsylvania licensed Professional Geologist (P.G.) driving or walking to the areas where boulders are stockpiled at the site.
- Sampling of the boulders will entail either breaking off a piece of the observed mineral veins or chiseling out a piece. Fugitive dust will not be generated during this work.

I trust this information will meet the expectations of the Department.

Regards.

**Andrew J. Gutshall, P.G.**

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