From:	Colledge, Michelle
To:	Sieffert, Margaret
Subject:	RE: SH Bell is going to start handling high-purity quartz frac sand: info and questions for Ohio EPA
Date:	Thursday, October 31, 2013 11:10:03 AM
Attachments:	image001.png

I never got a response from Ohio. As you are well aware, getting a permit and handling a product can be mutually exclusive.

Mike didn't say Frac Sand per se, he said silica. Do they handle cement? Other products with silica in it? If so, how much? How is it managed on site?

Do you know? That is my question….

Michelle A. Colledge MPH, PhD
CDR, U.S. Public Health Service
Agency for Toxic Substances and Disease Registry/NCEH/CDC, Region 5
77 W. Jackson Blvd., Room 413
Mailstop ATSD-4J
Chicago, Illinois 60604
Tel: 312-886-1462
Fax: 312-886-6066

please consider the environment before printing this email

From: Sieffert, Margaret
Sent: Thursday, October 31, 2013 11:01 AM
To: Colledge, Michelle
Subject: FW: SH Bell is going to start handling high-purity quartz frac sand: info and questions for Ohio EPA

This is what you sent out a year ago.

From: Margaret Sieffert [mailto:Sieffert.Margaret@epamail.epa.gov]
Sent: Thursday, October 31, 2013 11:00 AM
To: Sieffert, Margaret
Subject: Fw: SH Bell is going to start handling high-purity quartz frac sand: info and questions for Ohio EPA

----- Forwarded by Margaret Sieffert/R5/USEPA/US on 10/31/2013 10:59 AM -----

From: Michelle Colledge/R5/USEPA/US
To: Margaret Sieffert/R5/USEPA/US@EPA, Marta Fuoco/R5/USEPA/US@EPA, MARK JOHNSON/R5/USEPA/US,
Date: 10/22/2012 01:25 PM
Subject: Fw: SH Bell is going to start handling high-purity quartz frac sand: info and questions for Ohio EPA

FYI-the geologist weighs in...

----- Forwarded by Michelle Colledge/R5/USEPA/US on 10/22/2012 01:24 PM -----

From: "Frey, Bob" <Bob.Frey@odh.ohio.gov>
To: Michelle Colledge/R5/USEPA/US@EPA,
Date: 10/22/2012 01:20 PM
Subject: RE: SH Bell is going to start handling high-purity quartz frac sand: info and questions for Ohio EPA

Michelle,

From what I think is the relationship between mesh size and particle size, it looks to me as if all of the potential size fractions fall into

the sand-size particle size which is kind of what I was expecting. Looks like the available Frac Sand products all fall in the 20-70 Mesh size range. The No. 20 Mesh would sieve up to coarse sand size particles (<0.033 inches in diameter). The No. 40 Mesh would sieve up to medium sand size particles (<0.0165 inches in diameter). And the No. 70 Mesh would sieve up to fine sand size particles (<0.008 inches in diameter). I would think particles of these sizes would too coarse to be readily entrained by the wind nor would they be readily breathed in by downwind residents (which might be an issue with finer, silt-sized particles (No 230 Mesh <0.0025 inches in diameter). From the attached descriptors, it appears that the rounded sand grains are essentially pure quartz (99.5%) that is likely milled, washed, and bagged before being shipped out for distribution to the market. Chemically, it is very stable and non-reactive. Which is what you want in a fracking sand.

From: Colledge.Michelle@epamail.epa.gov [mailto:Colledge.Michelle@epamail.epa.gov]
Sent: Monday, October 22, 2012 11:19 AM
To: Frey, Bob; Stein, Greg; Fasko, Ed; Koval, Paul; Downey, Phil; Sieffert.Margaret@epamail.epa.gov; Fuoco.Marta@epamail.epa.gov
Cc: Johnson.Mark@epamail.epa.gov; Caudill.Motria@epamail.epa.gov
Subject: SH Bell is going to start handling high-purity quartz frac sand: info and questions for Ohio EPA

All:

FYI: EPA got a call from Mike Walton (resident) in East Liverpool. Mike is concerned that in July, S.H. Bell requested and acquired a permit to handle frac sand. In October, a deal was announced between U.S. Silica and S.H.Bell to handle a product called Premium Northern White Frac sand. Here are a couple of items FYI.

Deal details:
http://www.businesswire.com/news/home/20121003005840/en/U.S.-Silica-Opens-Transload-Facility-Serve-Utica

Searched U.S. Silica's site for Frac Sand, and this is one product:
http://www.ussilica.com/uploads/files/product-data-sheets/location/ottawa/Ottawa-White-Frac-Sand-Series.pdf

and here is a fact sheet for "Northern White Frac Sand":
http://www.fairmountminerals.com/Documents/Santrol/Tech-Data-Sheets/NorthernWhiteFracSand-TDS.aspx

Questions for Ohio EPA (Ed! Paul! Phil!):

Are you still planning to run the three community monitors in E. Liverpool (are you logging total dust? I only ever see metals data)? Do we know specifically what product SH Bell will be handling or what they will be doing with the product-how fine is it? (storage? resizing? packaging?)?? Any new equipment/pollution controls being installed?

Thanks,
Michelle

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