



west virginia department of environmental protection

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Earl Ray Tomblin, Governor
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MEMORANDUM

To: Beverly McKeone
From: Thornton E. Martin Jr.
Date: June 24, 2015
Subject: U.S. Silica Company – Berkeley Springs Facility – Morgan County, WV
ID #: 065-00001
APP #: PD15-049

BACKGROUND INFORMATION:

On June 17, 2015, U.S. Silica Company submitted a request for a permit determination regarding the replacement of an existing ferro filter processing equipment (listed as “FERRO1” in the facility’s Title V Operating Permit No. R30-06500001-2014) with a magnetic drum separator (Eriez).

U.S. Silica Company states that both the existing and proposed replacement equipment will be used for processing saturated silica sand from the facility’s hydrosizers. Because both the existing filters and proposed magnetic separator process saturated sand, the fugitive particulate matter emissions for the units are negligible. The proposed magnetic drum separator operates by passing the saturated sand over a spinning magnetic drum, which attracts ferrous materials and separates them from the bulk sand, prior to storage. The replacement separator will have the same designed throughput as the existing filters (200 tons of material per hour) and estimated particulate matter emissions are 0.006 pph and 0.0263 tpy. In addition, the new unit will not result in any emissions of Hazardous Air Pollutants or Toxic Air Pollutants (HAP/TAP).

The new magnetic drum separator (FERRO2) will not be subject to any substantive requirement of any State or Federal regulation and is not considered a new affected facility under 40 CFR 60, Subpart OOO.