



west virginia department of environmental protection

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MEMORANDUM

To: Beverly McKeone
From: Thornton E. Martin Jr.
Date: May 31, 2016
Subject: Buckeye Stone Company – Morgantown Facility – Monongalia County, WV
ID #: 061-00009
APP #: PD16-032

BACKGROUND INFORMATION:

On May 09, 2016, Greer Industries, Inc. dba Buckeye Stone Company submitted a request for a permit determination regarding the addition of a saturated wash plant to their existing site.

Buckeye Stone Company states that the wash plant will consist of a feed hopper, two conveyor belts, stone/water feed box, single screw washer and a washed material stockpile. Only the feed hopper and a single conveyor belt (WP-BC 1) will be in contact with typical, unwashed but processed stone.

Potential emissions are based on the single screw washers' hourly design rate of 175 tons/hr and an annual rate determined at 8,760 hrs/yr. Potential, uncontrolled emissions have been calculated to be 1.16 lbs/hr and 5.08 tons/yr of particulate matter.

Under 40 CFR 60, Subpart OOO:

§60.670 Applicability and designation of affected facility.

(a)(1) Except as provided in paragraphs (a)(2), (b), (c), and (d) of this section, the provisions of this subpart are applicable to the following affected facilities in fixed or portable nonmetallic mineral processing plants: each crusher, grinding mill, screening operation, bucket elevator, belt conveyor, bagging operation, storage bin, enclosed truck or railcar loading station. Also, crushers and grinding mills at hot mix asphalt facilities that reduce the size of nonmetallic minerals embedded in recycled asphalt pavement and subsequent affected facilities up to, but not including, the first storage silo or bin are subject to the provisions of this subpart.

(2) The provisions of this subpart do not apply to the following operations: All facilities located in underground mines; plants without crushers or grinding mills above ground; and wet material processing operations (as defined in §60.671).

§60.671 Definitions.

Wet material processing operation(s) means any of the following:

(1) Wet screening operations (as defined in this section) and subsequent screening operations, bucket elevators and belt conveyors in the production line that process saturated materials (as defined in this section) up to the first crusher, grinding mill or storage bin in the production line;

Wet screening operation means a screening operation at a nonmetallic mineral processing plant which removes unwanted material or which separates marketable fines from the product by a washing process which is designed and operated at all times such that the product is saturated with water.

Although the stone/water feed box, single screw washer, belt conveyor (WP-BC 2) and a washed material stockpile would not be considered affected facilities under 40 CFR 60, Subpart OOO, the feed hopper and belt conveyor (WP-BC 1) with two transfer points leading up to the stone/water feed box would be.

Since the potential to emit is less than 6 lbs/hr and 10 tons/yr, a Class II Administrative Update to their existing permit (R13-2276B) is recommended.