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**west virginia department of environmental protection**

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**MEMORANDUM**

To: Beverly D. McKeone

From: Steven R. Pursley, PE *SRP*

Date: May 7, 2015

Subject: R13-1147Q

On March 12, 2015, Armstrong Hardwood Flooring Company submitted a request to administratively update permit R13-1147P. The request involves relocation of flooring mill equipment to improve process efficiency. These changes necessitate that ductwork and air flows be adjusted and rebalanced. The changes impact the air flow rates to baghouses Nos. 2, 3, 7 and 8. No physical changes will be made to the affected baghouses.

Additionally, the applicant stated that the current permitted emissions from the baghouses were based on incorrect air flows previously. Therefore, Armstrong requested that the emission limits in permit conditions 5.1.1 and 6.1.1 be changed to reflect the true design air flow rate to each baghouse.

The following changes were made to the existing permit:

- \* Table 1.0 was revised to update which sources now vent to which baghouses.
- \* For clarification purposes only (no physical changes were made) the Main Relay Line from No. 6 cyclone was added as an emission source to Baghouse No. 6.
- \* Conditions 5.1.1 and 6.1.1 were changed to reflect the new emission limits based on corrected air flow rates. Total PM emissions in condition 5.1.1 were reduced by 3.5 pounds per hour and 15.38 tons per year. Total PM emissions in 6.1.1 were increased by 1.04 pounds per hour and 4.55 tons per year. Therefore, there is a net reduction of 2.46 pounds per hour and 10.83 tons per year.