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west virginia department of environmental protection

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Division of Air Quality  
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Earl Ray Tomblin, Governor  
Randy C. Huffman, Cabinet Secretary  
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**MEMORANDUM**

**To:** Beverly McKeone  
**From:** William T. Rothwell II  
**Date:** June 14, 2016  
**Subject:** Air Products & Chemicals – New Martinsville – Marshall County, WV  
**ID #:** 051-00033  
**APP #:** PD16-033

**BACKGROUND INFORMATION:**

Air Products & Chemicals is proposing to construct and operate an air separation unit for the production of high purity nitrogen (HPN) on Covestro's property in New Martinsville.

Nitrogen will be produced through an adsorption and cryogenic process that removes water and carbon dioxide, and selectively separates and purifies the nitrogen from oxygen present in atmospheric air. There are no combustion sources associated with the facility. The process machinery is electric powered.

There are no regulated air pollutants created or emitted from this process.

**RECOMMENDATION:**

The emission rates are below the emission limits of six (6) lb/hr and ten (10) TPY; 2 lb/hr, or 5 TPY of HAPs set forth set forth in 45CSR13 - 2.17.a&b. Therefore, a permit is not required by this Division for the above installation.

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William T. Rothwell II, P.E.  
Engineer

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Date