

COMMONWEALTH OF PENNSYLVANIA

Department of Environmental Protection

December 1, 2015

814/332-6940

Fax: 814/332-6117

**SUBJECT:** Review Memorandum of Renewal Synthetic Minor Permit  
Application of Weist Asphalt Products & Paving Incorporated.

**TO:** File: AQ/Facilities/FAC OP/ SM- 10-00277  
APS # 488949, Previous Auth. # 825067, Auth. ID # 1070476

**FROM:** Kallol Bhattacharyya *kbh*  
Permit Writer  
Air Quality Program  
Northwest Regional Office

**THROUGH:** Matthew M. Williams *mw*  
Acting Program Manager  
Air Quality Program  
Northwest Regional Office

**Introduction:**

Weist Asphalt Products and Paving Inc., is located in Summit Township, Butler County. The facility produces hot mix asphalt products in a pug mill for road and construction projects. The facility has taken a throughput restriction to qualify for a Synthetic Minor permit. As per this restriction, the facility is limited to 495,000 tons of Hot Mixed Asphalt (HMA) paving materials during any consecutive 12 months period.

**Calculation:**

**From AP-42 Table 11.1-5**

The emission of carbon monoxide from hot mix batch asphalt plant is 0.4 lbs/ton

The throughput is restricted to 495,000 Tons/yr x 0.4 lbs/ton x 1ton/2000 pounds = 99 Tons per year. CO emissions shall be less than 99 tons per year, which is less than the Title V threshold (100 tons per year).

**Permit History:**

The permit was issued on November 30, 2005 with an expiration date of October 31, 2010. The permit was renewed on November 30, 2010 with an expiration date of October 31, 2015. This is the review memorandum for the renewal permit application. The permit application was received by the Department on April 23, 2015.

***The SIC code: 2951: Manufacturing – Asphalt Paving Mixtures and blocks.***

**Updates Sources:**

The Emitting Sources include: 1) Natural gas Boiler for Asphalt Tank, 2) Batch Mix Asphalt Plant, 3) Fugitives from Asphalt Plant and, 4) Asphalt Tank.

**No change or removal of sources:**

Through an e-mail dated 10/07/2015, Ms. Lori Wiest stated that, “We have not added or removed any sources in the past 5 years.” Thus, all the sources of this permit remain the same as previous permit. A review of the Department’s files associated with this facility confirms this statement.

**Plan approval history:**

The batch asphalt plant had one previous plan approval # PA 10-277A.

**Prohibition of air pollution.**

25 Pa Code §121.7 prohibition of air pollution condition has been added to the work practice standard requirements in the site level of the permit.

**Compliance Issues:**

The facility was inspected (Full Compliance Evaluation (FCE)) on May 13, 2011, June 5, 2012, May 21, 2013, May 22, 2014 and, June 24, 2015. No violations were noted from these inspections.

**Emission statement:**

The actual emissions reported by the facility for the year of 2014 are as follows:

CO: 16.21 Tons per year  
Lead: 0.4760 TPY

NOx: 0.9530 TPY  
SOX: 0.2380 TPY  
PM10: 1.28 TPY  
Acetone: 0.3052 TPY  
Carbon Di Oxide 1683.06 TPY  
Methane: 0.0315 TPY  
Nitrous Oxide: 0.0030 TPY

**Production of Asphalt in past years as follows:**

2011: 98,911 Tons per year (TPY)  
2012: 86,938 TPY  
2013: 84,257 TPY  
2014: 98, 911 TPY

The reviewer has calculated the 2014 emissions based on the asphalt production in 2014 based on the throughput (98,911 Tons) and AP-42 emission factors in Tables 11.1-1, 11.1-5, and 11.1- 6 as follows:

CO: 19.78 Tons Per Year (TPY) [Emission factor: 0.40 lbs./ton]  
CO2: 1829.85 TPY [AP-42, Emission Factor: 37 lbs./ton]  
NOx: 1.23 TPY [AP-42, Emission Factor: 0.025 lbs./ton]  
SOx: 0.227 TPY [AP-42, Emission Factor: 0.0046 lbs./ton]  
VOC: 0.40 TPY [AP-42, Emission Factor: 0.0082 lbs./ton]  
PM-10: 1.33 TPY (Controlled) [AP-42, Emission Factor: 0.027 lbs./ton]

- ***All other site and source level conditions and the review memorandum remain the same as the previous permit and memorandum with Auth. ID # 825067***

***After conducting a permit renewal inspection with Mr. Kyle Lewarchik on 10/16/2015, I recommend the renewal of this synthetic minor permit.***