AIR EMISSION SUMMARY

The air emissions units (EU) listed below comprise the Permit to Install for DTR Industries located in Allen County. The emissions units listed below shall not exceed the emission limits / control requirements contained in the table. This condition in no way limits the applicability of any other state or federal regulations. Additionally, this condition does not limit the applicability of additional special terms and conditions of this permit.

<table>
<thead>
<tr>
<th>Ohio EPA EU Number</th>
<th>Emissions Unit Identification / Description</th>
<th>BAT Determination</th>
<th>Applicable OAC Rules</th>
<th>Permit Allowable Mass Emissions and/or Control and Usage Requirements</th>
</tr>
</thead>
<tbody>
<tr>
<td>P062</td>
<td>Automated Chemical Weighing and Conveyance System - Solids and Liquids</td>
<td>Use of Baghouse, Use of Non-Photochemically Reactive Materials and Compliance with the Terms and Conditions of this Permit</td>
<td>OAC 3745-31-05</td>
<td>OAC 3745-21-07(G)</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>P063</td>
<td>Automated Carbon Black Weighing and Conveyance System</td>
<td>Use of Baghouse, and Compliance with the Terms and Conditions of this Permit</td>
<td>OAC 3745-31-05</td>
<td>OAC 3745-17-07</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>OAC 3745-17-11</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>OAC 3745-21-07(G)</td>
</tr>
<tr>
<td>P064</td>
<td>Banbury Mixer No. 2</td>
<td>Use of Baghouse, Use of Non-Photochemically Reactive Materials and Compliance with the Terms and Conditions of this Permit</td>
<td>OAC 3745-31-05</td>
<td>OAC 3745-17-07</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>OAC 3745-17-11</td>
</tr>
</tbody>
</table>
0.043 lb/hr particulate emissions (PE), 0.19 ton/yr
20% opacity, except as provided by rule

0.048 lb/hr organic compounds (OC), 0.21 ton/yr
20% opacity, except as provided by rule
Not applicable as long as the permittee uses non-photochemically reactive materials

* Not applicable as long as the permittee uses non-photochemically reactive materials

0.18 lb/hr particulate emissions (PE), 0.79 ton/yr
20% opacity, except as provided by rule

0.58 lb/hr particulate emissions (PE), 2.54 ton/yr

0.65 lb/hr organic compounds (OC), 2.85 ton/yr
### SUMMARY

**TOTAL PERMIT TO INSTALL ALLOWABLE EMISSIONS**

<table>
<thead>
<tr>
<th>Pollutant</th>
<th>Tons / Year</th>
</tr>
</thead>
<tbody>
<tr>
<td>PE</td>
<td>6.06</td>
</tr>
<tr>
<td>OC</td>
<td>5.91</td>
</tr>
</tbody>
</table>
ADDITIONAL SPECIAL TERMS AND CONDITIONS

Introduction

This Permit to Install (PTI) is for a new automated chemical weighing system (emissions unit P062) and carbon black weighing system (emissions unit P063). The previous systems were not operating under any prior air permits. Also, this PTI is for a new (second) production line with a 'banbury' mixer (emissions unit P064) and roll mill (P065).

A. Applicable Emission Limitations and/or Control Requirements

1. Particulate emissions from emissions units P062, P063, P064, and P065 shall be controlled with a baghouse. The permittee shall also comply with the other applicable emission limitations and/or control requirements as specified in the Air Emission Summary.

B. Operational Restrictions

1. The pressure drop across the baghouse for emissions unit P062 shall be maintained within the range of 2 to 4 inches of water while the emissions unit is in operation.

2. The pressure drop across the baghouse for emissions unit P063 shall be maintained within the range of 2 to 5 inches of water while the emissions unit is in operation.

3. The pressure drop across the baghouse for emissions units P064 and P065 shall be maintained within the range of 4 to 6 inches of water while the emissions unit is in operation.

4. The permittee shall only use non-photochemically reactive materials (as defined in OAC 3745-21-01(C)(5)) in emissions units: P062, P064, and P065.

C. Monitoring and Recordkeeping Requirements

1. The permittee shall properly install, operate, and maintain equipment to monitor the pressure drop across the baghouses while the emissions unit is in operation.
The monitoring equipment shall be installed, calibrated, operated, and maintained in accordance with the manufacturer’s recommendations, instructions, and operating manual(s). The permittee shall record the pressure drop across the baghouses on a weekly basis.

2. Each record of any monitoring data, testing data, and support information required pursuant to this permit shall be retained for a period of five years from the date the record was created. Support information shall include, but not be limited to, all calibration and maintenance records and all original strip-chart recordings, if a strip-chart recorder is employed, for continuous monitoring instrumentation, and copies of all reports required by the permit. Such records may be maintained in computerized form.

D. **Reporting Requirements**

1. The permittee shall submit pressure drop deviation (excursion) reports that identify that all periods of time during which the pressure drop across the baghouses did not comply with the allowable range specified above. These reports shall be submitted in accordance with condition (D)(3) below.

2. Quarterly written reports of any deviations (excursions) from emission limitations, operational restrictions, and control device operating parameter limitations that have been detected by the testing, monitoring, and recordkeeping requirements specified in this permit, the probable cause of such deviations, and any corrective actions or preventive measures which have been or will be taken, shall be submitted to the appropriate Ohio EPA District Office or local air agency. If no deviations occurred during a calendar quarter, the permittee shall submit a quarterly report, which states that no deviations occurred during that quarter. The reports shall be submitted quarterly, i.e., by January 31, April 30, July 31, and October 31 of each year and shall cover the previous calendar quarters. (These quarterly reports shall exclude deviations resulting from malfunctions reported in accordance with OAC rule 3745-15-06.)

E. **Testing Requirements/ Compliance Method Determinations**

1. **Emission Limitations:**

   Emissions unit P062: 0.043 lb/hr particulate emissions (PE), 0.19 ton/yr
   Emissions unit P063: 0.18 lb/hr PE, 0.79 ton/yr PE
   Emissions unit P064: 0.58 lb/hr PE, 2.54 ton/yr PE
   Emissions unit P065: 0.58 lb/hr PE, 2.54 ton/yr PE
Applicable Compliance Method:
The permittee shall demonstrate compliance with the above limits by using the emission factor of 0.0136 lb/lb of product, from the Rubber Manufacturers Association's (RMA's) 'Emission Factors Development Project', a minimum particulate control efficiency of 99 percent, and the maximum capacity of each unit.

If required, the permittee shall demonstrate compliance with the above emission limit in accordance with 40 CFR 60, Appendix A, Method 5.

2. Emission Limitations:

<table>
<thead>
<tr>
<th>Emissions unit</th>
<th>lb/hr organic compounds (OC)</th>
<th>ton/yr OC</th>
</tr>
</thead>
<tbody>
<tr>
<td>P062</td>
<td>0.048</td>
<td>0.21</td>
</tr>
<tr>
<td>P064</td>
<td>0.65</td>
<td>2.85</td>
</tr>
<tr>
<td>P065</td>
<td>0.65</td>
<td>2.85</td>
</tr>
</tbody>
</table>

Applicable Compliance Method:
The permittee shall demonstrate compliance with the above limits by using the emission factor of 0.000153 lb/lb of product, from the Rubber Manufacturers Association's (RMA) 'Emission Factors Development Project', and the maximum capacity of each unit.

If required, the permittee shall demonstrate compliance with the above emission limit in accordance with 40 CFR 60, Appendix A, Method 18, 25, or 25A, as applicable.

3. Emission Limitation:

20% opacity, except as provided by rule, for emissions units P062, P063, P064, and P065

Applicable Compliance Method:
OAC 3745-17-03(B)(1)

4. The hourly particulate emissions (PE) and organic compounds (OC) limits are based on each emissions unit's potential to emit. Therefore, no hourly record keeping, deviation reporting, or compliance method calculations are required to demonstrate compliance with this limit.

F. Miscellaneous Requirements

None