

## **AIR EMISSION SUMMARY**

The air contaminant source(s) listed below comprise the Permit to Install for The Sika Corporation located in Marion County. The source(s) listed below shall not exceed the emission limits/control requirements contained in the table below. This condition in no way limits 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.

<b>Ohio EPA Source <u>Number</u></b>	<b>Source Identification <u>Description</u></b>	<b>BAT <u>Determination</u></b>	<b>Applicable Federal and OAC <u>Rules</u></b>	<b>Permit Allowable Mass Emissions or Control &amp; Usage <u>Requirements</u></b>
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**P004**

**P006**

**P005**

**P007**

**P010**

**P008**

**P009**





1,000 gallon water based coating mixer and hopper; M60/H-10/H-10DC

500 gallon water based coating mixer and hopper;  
M-61/H-11/H-11DC

250 gallon water based coating mixer and hopper;  
M-62/H-12/H-12DC

250 gallon  
water based  
coating mixer  
and hopper;  
M-63/H-12/H-  
12DC

Paint pigment storage silo w/ BGHS; S-20

Paint pigment  
loading bin w/  
BGHS;  
BB-10/  
BB-10DC

Paint pigment  
loading bin w/  
BGHS;  
BB-11/  
BB-11DC





Use of baghouse, non photochemi- cally reactive materials, and compliance with the terms and conditions of this Permit

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3745-31-05

3745-17-07(A)

3745-17-11(B)

3745-21-07 (G)(9)(c)

3745-31-05

3745-17-07(A)

3745-17-11(B)

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3745-17-11(B)  
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3745-17-11(B)

3745-21-07  
(G)(9)(c)

3745-31-05





0.016 lb Particulate emissions (PE)/hr and 0.07 TPY;

Operational Restrictions (see ASTC's);

0.06 lb Organic compound (OC)/hr and 0.26 TPY (see ASTC's);

20% opacity, as a 6 minute average;

\*

No applicable emissions limits

0.016 lb PE/hr and 0.07 TPY;

Operational Restrictions (see ASTC's);

0.06 lb Organic compound (OC)/hr and 0.26 TPY (see ASTC's);

20% opacity, as a 6 minute average;

\*

No applicable emissions limits

0.016 lb PE/hr and 0.07 TPY;

Operational Restrictions (see ASTC's);

0.0003 lb Organic compound (OC)/hr and 0.0013 TPY (see ASTC's);

20% opacity, as a 6 minute average;

\*

No applicable emissions limits

0.016 lb PE/hr and 0.07 TPY;

Operational Restrictions (see ASTC's);

0.0003 lb Organic compound (OC)/hr and 0.0013 TPY (see ASTC's);

20% opacity, as a 6 minute average;

\*

No applicable  
emissions  
limits

20% opacity, as a 6 minute average;

\*

0.043 lb  
PE/hr and  
0.19 TPY;

Operational  
Restrictions  
(see ASTC's);

20% opacity,  
as a 6 minute  
average;

\*

0.043 lb  
PE/hr and  
0.19 TPY;

Operational  
Restrictions  
(see ASTC's);

20% opacity,  
as a 6 minute  
average;

\*

0.023 lb  
PE/hr and  
0.10 TPY;

Operational  
Restrictions  
(see ASTC's);

\*The emission limitation(s)/opacity restrictions established by these rules are less stringent than those established by OAC rule 3745-31-05 (BAT).

**SUMMARY**  
**TOTAL PERMIT TO INSTALL ALLOWABLE EMISSIONS**

<u>Pollutant</u>	<u>Tons/Year</u>
PE	0.76
OC	0.52

Date: 12/2/98

## Additional Special Terms and Conditions

### Introduction:

This PTI application is for equipment used in the manufacturing of water based coatings.

### A. Applicable Emission Limitations and/or Control Requirements:

No additional emissions limitations and/or control requirements.

### B. Operational Restrictions:

#### Baghouse Operational Restrictions for EU's P004-P010

The pressure drop across each of the baghouses that control EU's P004-P010 shall be maintained within the range of 4 to 7 inches of water while the emissions units are in operation.

### C. Monitoring and/or Record Keeping Requirements:

#### 1. Baghouse Pressure Drop Monitoring and Recordkeeping Requirements for EU's P004-P010:

The permittee shall properly operate, and maintain equipment to monitor the pressure drops across each of the baghouses while the emissions unit are in operation. The monitoring equipment shall be calibrated, operated, and maintained in accordance with the manufacturer's recommendations, instructions, and operating manual(s). The permittee shall record the pressure drops across each of the baghouses on a once per week 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. Baghouse Pressure Drop Reporting Requirements for EU's P004-P010:

The permittee shall submit pressure drop deviation (excursion) reports that identify all periods of time during which the pressure drops across each of the baghouses don't comply with the allowable range specified above.

2. Except as otherwise may be provided in the terms and conditions for a specific emissions unit, annual written reports of (a) 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, (b) the probable cause of such deviations, and (c) 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 year, the permittee shall submit an annual report, which states that no deviations occurred during that year. The reports shall be submitted annually, i.e., by January 31 of each year and shall cover the previous calendar year. (These annual reports shall exclude deviations resulting from malfunctions reported in accordance with OAC rule 3745-15-06.)

**E. Testing Requirements/Compliance Methods Requirements:**

1. Compliance with the emission limitation(s) found in the "Air Emissions Summary" of this permit shall be determined in accordance with the following method(s):

- a. Emission Limitation for EU P004:  
0.016 lb PE/hr and 0.07 TPY

Applicable Compliance Method:

Compliance with the emissions limit of 0.016 lb/hr will be assumed if the pressure drop of the baghouse that controls this emissions unit is operating within its design parameter. If required, the permittee shall demonstrate compliance with the above emissions limit pursuant to Method 5 of 40 CFR Part 60, Appendix A. Compliance with the annual limit of 0.07 TPY will be assumed if the EU is in compliance with its lb/hr limit since the EU can operate 8760 hrs/yr.

- b. Emission Limitation for EU P005:  
0.016 lb PE/hr and 0.07 TPY

Applicable Compliance Method:

Compliance with the emissions limit of 0.016 lb/hr will be assumed if the pressure drop of the baghouse that controls this emissions unit is operating within its design parameter. If required, the permittee shall demonstrate compliance with the above emissions limit pursuant to Method 5 of 40 CFR Part 60, Appendix A. Compliance with the annual limit of 0.07 TPY will be assumed if the EU is in compliance with its lb/hr limit since the EU can operate 8760 hrs/yr.

- c. Emission Limitation for EU's P006 and P007:  
0.016 lb PE/hr and 0.07 TPY\*

Applicable Compliance Method:

Compliance with the emissions limit of 0.016 lb/hr will be assumed if the pressure drop of the baghouse that controls these emissions units is operating within its design parameter. If required, the permittee shall demonstrate compliance with the above emissions limit pursuant to Method 5 of 40 CFR Part 60, Appendix A. Compliance with the annual limit of 0.07 TPY will be assumed if the EU is in compliance with its lb/hr limit since the EU can operate 8760 hrs/yr.

\*This is a combined emissions limitation. P006 and P007 are both vented to the same baghouse. Manufactures guaranteed emissions rate coming from this baghouse is 0.016 lb/hr.

- d. Emission Limitation for EU P008:  
0.043 lb PE/hr and 0.19 TPY

Applicable Compliance Method:

Compliance with the emissions limit of 0.043 lb/hr will be assumed if the pressure drop of the baghouse that controls this emissions unit is operating within its design parameter. If required, the permittee shall demonstrate compliance with the above emissions limit pursuant to Method 5 of 40 CFR Part 60, Appendix A. Compliance with the annual limit of 0.19 TPY will be assumed if the EU is in compliance with its lb/hr limit since the EU can operate 8760 hrs/yr.

- e. Emission Limitation for EU P009:  
0.043 lb PE/hr and 0.19 TPY

Applicable Compliance Method:

Compliance with the emissions limit of 0.043 lb/hr will be assumed if the pressure drop of the baghouse that controls this emissions unit is operating within its design parameter. If required, the permittee shall demonstrate compliance with the above emissions limit pursuant to Method 5 of 40 CFR Part 60, Appendix A. Compliance with the annual limit of 0.19 TPY will be assumed if the EU is in compliance with its lb/hr limit since the EU can operate 8760 hrs/yr.

- f. Emission Limitation for EU P010:  
0.023 lb PE/hr and 0.10 TPY

Applicable Compliance Method:

Compliance with the emissions limit of 0.023 lb/hr will be assumed if the pressure drop of the baghouse that controls this emissions unit is operating within its design parameter. If required, the permittee shall demonstrate compliance with the above emissions limit pursuant to Method 5 of 40 CFR Part 60, Appendix A. Compliance with the annual limit of 0.10 TPY will be assumed if the EU is in compliance with its lb/hr limit since the EU can operate 8760 hrs/yr.

- g. Emission Limitation for visible emissions of PE for EU's P004-P010:  
20% opacity, as a six minute average, except as provided by rule

Applicable Compliance Method:

OAC rule 3745-17-03(B)(1)

Note: No term or condition specifying a method for demonstrating compliance with any emissions limitation or other requirement of this permit shall preclude the use by any person of any credible evidence to establish compliance with or a violation of this permit, the Clean Air Act, or any implementing regulations or rules promulgated there under.

**F. Miscellaneous requirements:**

None

Date: 9/1/98