Facility Name: **Color and Composite Technologies Inc**
Application Number: **05-9679**
Date: **Draft PTI (Date will be entered upon final issuance)**

GENERAL PERMIT CONDITIONS

TERMINATION OF PERMIT TO INSTALL

Substantial construction for installation must take place within 18 months of the effective date of this permit. This deadline may be extended by up to 12 months if application is made to the Director within a reasonable time before the termination date and the party shows good cause for any such extension.

NOTICE OF INSPECTION

The Director of the Ohio Environmental Protection Agency, or his authorized representatives, may enter upon the premises of the above-named applicant during construction and operation at any reasonable time for the purpose of making inspections, conducting tests, or to examine records or reports pertaining to the construction, modification or installation of the source(s) of environmental pollutants identified within this permit.

CONSTRUCTION OF NEW SOURCES

The proposed source(s) shall be constructed in strict accordance with the plans and application submitted for this permit to the Director of the Ohio Environmental Protection Agency. There may be no deviation from the approved plans without the express, written approval of the Agency. Any deviations from the approved plans or the above conditions may lead to such sanctions and penalties as provided under Ohio law. Approval of these plans does not constitute an assurance that the proposed facilities will operate in compliance with all Ohio laws and regulations. Additional facilities shall be installed upon orders of the Ohio Environmental Protection Agency if the proposed sources are inadequate or cannot meet applicable standards.

If the construction of the proposed source(s) has already begun or has been completed prior to the date the Director of the Environmental Protection Agency approves the permit application and plans, the approval does not constitute expressed or implied assurance that the proposed facility has been constructed in accordance with the approved plans. The action of beginning and/or completing construction prior to obtaining the Director's approval constitutes a violation of Ohio Administrative Code (OAC) Rule 3745-31-02. Furthermore, issuance of the Permit to Install does not constitute an assurance that the proposed source will operate in compliance with all Ohio laws and regulations. Approval of the plans in any case is not to be construed as

an approval of the facility as constructed and/or completed. Moreover, issuance of the Permit to Install is not to be construed as a waiver of any rights that the Ohio Environmental Protection Agency (or other persons) may have against the applicant for starting construction prior to the effective date of the permit. Additional facilities shall be installed upon orders of the Ohio Environmental Protection Agency if the proposed facilities cannot meet applicable standards.

PERMIT TO INSTALL FEE

In accordance with Ohio Revised Code 3745.11, the specified Permit to Install fee must be remitted within 30 days of the effective date of this permit to install.

PUBLIC DISCLOSURE

The facility is hereby notified that this permit, and all agency records concerning the operation of this permitted source, are subject to public disclosure in accordance with OAC Rule 3745-49-03.

APPLICABILITY

This Permit to Install is applicable only to the contaminant sources identified. Separate application must be made to the Director for the installation or modification of any other contaminant sources.

BEST AVAILABLE TECHNOLOGY

As specified in OAC Rule 3745-31-05, all new sources must employ Best Available Technology (BAT). Compliance with the terms and conditions of this permit will fulfill this requirement.

PERMIT TO OPERATE APPLICATION

A Permit to Operate application must be submitted to the appropriate field office for each air contaminant source in this Permit to Install. In accordance with OAC Rule 3745-35-02, the application shall be filed no later than thirty days after commencement of operation.

SOURCE OPERATION AFTER COMPLETION OF CONSTRUCTION

This facility is permitted to operate each source described by this permit to install for a period of up to one year from the date the source commenced operation. This permission to operate is granted only if the facility complies with all requirements contained in this permit and all applicable air pollution laws and regulations.

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Ohio EPA Source Number	Source Identification Number	BAT Determination	Applicable Federal & OAC Rules	Permit Allowable Mass Emissions and/or Control/Usage Requirements

AIR EMISSION SUMMARY

The air contaminant emissions units listed below comprise the Permit to Install for **Color and Composite Technologies Inc** located in **Shelby** 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.

Ohio EPA Source Number

P017

P018

P020 Cont'd

P019

P020

P001 (exist-ing)

P019 Cont'd

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				(exist-ing)
	P003 (exist-ing)			
			P011 (exist-ing)	
P002 (exist-ing)				
		P010 (exist-ing)		
P002 (exist-ing) Cont'd				P014 (exist-ing)
	P003 (exist-ing) Cont'd			
	P009 (exist-ing)	P010 (exist-ing) Cont'd		
			P013	

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Ohio EPA Source Number	Source Identification Number	BAT Determination	Applicable Federal & OAC Rules	Permit Allowable Mass Emissions and/or Control/Usage Requirements
	P016 (existing)		Plastic extruder no. 12	
P014 (existing) Cont'd		Source Identification Description		
		Plastic extruder no. 11		
	P016 (existing) Cont'd			
P015 (existing)				
				Plastic extruder no. 14
			Plastic extruder no. 13	

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Ohio EPA Source Number	Source Identification Number	BAT Determination	Applicable Federal & OAC Rules	Permit Allowable Mass Emissions and/or Control/Usage Requirements
	Line no. 3			
			Line no. 5	
Line no. 1				
	Line no. 2			
				Line no. 4
	Lab line			
			Line no. 6	

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Ohio EPA Source Number	Source Identification Number	BAT Determination	Applicable Federal & OAC Rules	Permit Allowable Mass Emissions and/or Control/Usage Requirements
Line no. 8				
Line no. 7				
Line no. 9				

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Ohio EPA Source Number	Source Identification Number	BAT Determination	Applicable Federal & OAC Rules	Permit Allowable Mass Emissions and/or Control/Usage Requirements
	BAT Determination	Compliance with the emission limits and the terms and conditions of the permit		
	Compliance with the emission limits and the terms and conditions of the permit			Not applicable
			Compliance with the emission limits and the terms and conditions of the permit	
		Compliance with the emission limits and the terms and conditions of the permit		
				Not applicable

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Ohio EPA Source Number	Source Identification Number	BAT Determination	Applicable Federal & OAC Rules	Permit Allowable Mass Emissions and/or Control/Usage Requirements
		Not applicable		
				Not applicable
	Not applicable			
			Not applicable	
Not applicable				
		Not applicable		

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Ohio EPA Source Number	Source Identification Number	BAT Determination	Applicable Federal & OAC Rules	Permit Allowable Mass Emissions and/or Control/Usage Requirements
Not applicable				
Not applicable				

Facility Name: **Color and Composite Technologies Inc**
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Ohio EPA Source Number	Source Identification Number	BAT Determination	Applicable Federal & OAC Rules	Permit Allowable Mass Emissions and/or Control/Usage Requirements
		3745-31-05		
	Applicable Federal & OAC Rules			
	3745-31-05			
				3745-21-07 (G)
				3745-17-11
			3745-21-07 (G)	3745-31-02 (A)(2)
			3745-17-11	
		3745-21-07 (G)	3745-31-05	
		3745-17-11		
	3745-21-07 (G)	3745-31-05		
	3745-17-11			
				3745-17-11

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Ohio EPA Source Number	Source Identification Number	BAT Determination	Applicable Federal & OAC Rules	Permit Allowable Mass Emissions and/or Control/Usage Requirements
	02 (A)(2)			
3745-21-07 (G)			3745-21-07 (G)	
3745-31-02 (A)(2)			3745-31-02 (A)(2)	
		3745-17-11		
		3745-21-07 (G)		
				3745-17-11
		3745-31-02 (A)(2)		
				3745-21-07 (G)
	3745-17-11			
				3745-31-02 (A)(2)
	3745-21-07 (G)		3745-17-11	
			3745-21-07 (G)	
3745-17-11	3745-31-02 (A)(2)			
3745-21-07 (G)			3745-31-02 (A)(2)	
3745-31-		3745-17-11		

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Ohio EPA Source Number	Source Identification Number	BAT Determination	Applicable Federal & OAC Rules	Permit Allowable Mass Emissions and/or Control/Usage Requirements
3745-17-11 3745-21-07 (G) 3745-31-02 (A)(2)	3745-21-07 (G) 3745-31-02 (A)(2) 3745-17-11 3745-21-07 (G)	Permit Allowable Mass Emissions and/or Control/Usage Requirements 0.3 pound PM/hour, 1.31 tons particulate matter per year; 1.5 pounds OC/hour 6.57 tons OC per year; the combined emissions from sources P001, P002, P003, P009, P010, P011, P013, P014, P015, P016, P017, P018, P019, and P020 shall not exceed 99.0 TPY PM and 99.0 TPY OC per rolling 12-month average See A.1. of Additional Special Terms and Conditions ** 0.25 pound PM/hour, 1.10 tons particulate matter per year; 1.25 pounds OC/hour 5.48 tons OC per	year; the combined emissions from sources P001, P002, P003, P009, P010, P011, P013, P014, P015, P016, P017, P018, P019, and P020 shall not exceed 99.0 TPY PM and 99.0 TPY OC per rolling 12-month average See A.2. of Additional Special Terms and Conditions ** 0.35 pound PM/hour, 1.53 tons particulate matter per year; 1.75 pounds OC/hour 7.67 tons OC per year; the combined emissions from sources P001, P002, P003, P009, P010,	P011, P013, P014, P015, P016, P017, P018, P019, and P020 shall not exceed 99.0 TPY PM and 99.0 TPY OC per rolling 12-month average See A.3. of Additional Special Terms and Conditions ** 0.35 pound PM/hour, 1.53 tons particulate matter per year; 1.75 pounds OC/hour 7.67 tons OC per year; the combined emissions from sources P001, P002, P003, P009, P010, P011, P013, P014, P015, P016, P017, P018, P019, and P020 shall not exceed 99.0 TPY PM and 99.0 TPY OC per rolling

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Ohio EPA Source Number	Source Identification Number	BAT Determination	Applicable Federal & OAC Rules	Permit Allowable Mass Emissions and/or Control/Usage Requirements
12-month average See A.4. of Additional Special Terms and Conditions ** 0.40 ton particulate matter per year; 4.4 tons OC per year; the combined emissions from sources P001, P002, P003, P009, P010, P011, P013, P014, P015,	P016, P017, P018, P019, and P020 shall not exceed 99.0 TPY PM and 99.0 TPY OC per rolling 12-month average. 0.10 pound PM/hour 21.9 pounds OC/day 0.60 ton particulate matter per year; 3.3 tons OC per year; the combined emissions from sources P001, P002, P003, P009, P010, P011, P013, P014, P015, P016, P017, P018, P019, and P020 shall not exceed 99.0 TPY PM and 99.0 TPY OC per rolling 12-month average.	0.20 pound PM/hour 19.8 pounds OC/day 0.14 ton particulate matter per year; 0.007 ton OC per year; the combined emissions from sources P001, P002, P003, P009, P010, P011, P013, P014, P015, P016, P017, P018, P019, and P020 shall not exceed 99.0 TPY PM and 99.0 TPY OC per rolling 12-month average. 1.1 pounds PM/hour 0.055 pound OC/day 3.4 tons particulate matter per year; 3.74 tons OC per year; the combined emissions from sources P001, P002, P003, P009, P010, P011, P013, P014, P015, P016, P017, P018, P019, and P020 shall not exceed 99.0 TPY PM and 99.0 TPY OC per rolling 12-month average	1.0 pounds PM/hour 19.8 pounds OC/day 2.5 tons particulate matter per year; 4.6 tons OC per year; the combined emissions from sources P001, P002, P003, P009, P010, P011, P013, P014, P015, P016, P017, P018, P019, and P020 shall not exceed 99.0 TPY PM and 99.0 TPY OC per rolling 12-month average 0.6 pound PM/hour 26.4 pounds OC/day 1.3 tons particulate matter per year; 4.8 tons OC per year; the combined	emissions from sources P001, P002, P003, P009, P010, P011, P013, P014, P015, P016, P017, P018, P019, and P020 shall not exceed 99.0 TPY PM and 99.0 TPY OC per rolling 12-month average 0.30 pound PM/hour 26.4 pounds OC/day 0.90 ton particulate matter per year; 4.8 tons OC per year; the combined emissions from sources P001, P002, P003, P009, P010, P011, P013, P014, P015, P016, P017, P018, P019, and P020 shall not exceed 99.0 TPY PM and 99.0 TPY OC per rolling 12-month average

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	and P020 shall not exceed 99.0 TPY PM and 99.0 TPY OC per rolling 12-month average 0.704 pound PM/day 40 pounds VOC/day 0.535 ton particulate matter per year; 4.82 tons OC per year; the combined emissions from sources P001, P002, P003, P009, P010, P011, P013, P014, P015, P016, P017, P018, P019, and P020 shall not exceed 99.0 TPY PM and 99.0 TPY OC per rolling 12-month	average 2.9 pounds PM/day 26.4 pounds VOC/day 0.816 ton particulate matter per year; 7.3 tons OC per year; the combined emissions from sources P001, P002, P003, P009, P010, P011, P013, P014, P015, P016, P017, P018, P019, and P020 shall not exceed 99.0 TPY PM and 99.0 TPY OC per rolling 12-month average 4.47 pounds PM/day 40 pounds VOC/day		
0.16 pound PM/hour				
26.4 pounds OC/day				
0.129 ton particulate matter per year; 7.3 tons OC per year; the combined emissions from sources P001, P002, P003, P009, P010, P011, P013, P014, P015, P016, P017, P018, P019,				

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** 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

Pollutant	Tons/Year
OC	99.0
PM	99.0

AIR POLLUTION NUISANCES PROHIBITED

The air contaminant source(s) identified in this permit may not cause a public nuisance in violation of OAC Rule 3745-15-07.

CONSTRUCTION COMPLIANCE CERTIFICATION

The applicant shall provide Ohio EPA with a written certification (see enclosed form) that the facility has been constructed in accordance with the Permit to Install application and the terms and conditions of the Permit to Install. The certification shall be provided to Ohio EPA upon completion of construction but prior to startup of the source.

ADDITIONAL SPECIAL TERMS AND CONDITIONS

Introduction

The application for PTI 05-9679 included 2 new plastics extruders. This application was combined with PTI application 05-8976 which was received by this office in 1997. 05-8976 includes 2 extruder lines similar to those in 05-9679. The decision was made

to combine the two applications and issue one permit. In the application for 05-9679, the company requested that they be given a plant-wide 99 TPY cap on OC emissions and a 99 TPY cap on particulate emissions. To make the facility a synthetic minor a restriction on the pounds of materials used in all the processes was established. "Materials" is defined as the solids that are input into the process and are eventually mixed and extruded into a finished product(see A.3.).

A. Applicable Emissions Limitations and/or Control Requirements

1. The emissions of organic compounds (OC) for emissions units P001, P002, P003, P009, P010, P011, P013, P014, P015, P016, P017, P018, P019 and P020 shall not exceed 99.0 tons per year (TPY) combined, based upon a rolling, 12-month summation of the OC emissions.

   After the first 12 calendar months of operation following issuance of this permit, compliance with the annual OC emissions limitation shall be based upon a rolling, 12-month summation of the monthly emissions.

2. The emissions of particulate matter (PM) for emissions units P001, P002, P003, P009, P010, P011, P013, P014, P015, P016, P017, P018, P019 and P020 shall not exceed 99.0 tons per year (TPY) combined, based upon a rolling, 12-month summation of the PM emissions.

   After the first 12 calendar months of operation following issuance of this permit, compliance with the annual PM emissions limitation shall be based upon a rolling, 12-month summation of the monthly emissions.

3. The maximum annual raw material usage rate for emissions units P001, P002, P003, P009, P010, P011, P013, P014, P015, P016, P017, P018, P019 and P020 combined shall not exceed 396,000,000 pounds of raw materials per year, based upon a rolling, 12-month summation of the raw material usage rates.

   To ensure enforceability during the first 12 calendar months of operation following the issuance of this permit, the permittee shall not exceed the raw material usage levels specified in the following table:

Months	Maximum Allowable Cumulative Raw material usage (pounds)

1	33,000,000
1-2	66,000,000
1-3	99,000,000
1-4	132,000,000
1-5	165,000,000
1-6	198,000,000
1-7	231,000,000
1-8	264,000,000
1-9	297,000,000
1-10	330,000,000
1-11	363,000,000
1-12	396,000,000

After the first 12 calendar months of operation following issuance of this permit, compliance with the annual raw material usage rate limitation shall be based upon a rolling, 12-month summation of the raw material usage rates.

4. Emission Unit P017

   a. The organic compound emissions shall not exceed 1.5 pounds per hour.

   b. The organic compound emissions shall not exceed 6.57 tons per year.

   c. The particulate emissions shall not exceed 0.3 pound per hour.

   d. The particulate emissions shall not exceed 1.31 tons per year.

5. Emission Unit P018

   a. The organic compound emissions shall not exceed 1.25 pounds per hour.

   b. The organic compound emissions shall not exceed 5.48 tons per year.

   c. The particulate emissions shall not exceed 0.25 pound per hour.

   d. The particulate emissions shall not exceed 1.1 tons per year.

6. Emission Unit P019

   a. The organic compound emissions shall not exceed 1.75 pounds per hour.

   b. The organic compound emissions shall not exceed 7.67 tons per year.

   c. The particulate emissions shall not exceed 0.35 pound per hour.

   d. The particulate emissions shall not exceed 1.53 tons per year.

7. Emission Unit P020

   a. The organic compound emissions shall not exceed 1.75 pounds per hour.

   b. The organic compound emissions shall not exceed 7.67 tons per year.

   c. The particulate emissions shall not exceed 0.35 pound per hour.

   d. The particulate emissions shall not exceed 1.53 tons per year.

8. Emission Unit P001 (existing)

   a. The particulate emissions shall not exceed 0.10 pound per hour.

   b. The particulate emissions shall not exceed 0.40 ton per year.

   c. The organic compound emissions shall not exceed 21.9 pounds per day.

   d. The organic compound emissions shall not exceed 4.4 tons per year.

9. Emission unit P002 (existing)

   a. The particulate emissions shall not exceed 0.20 pound per hour.

b. The particulate emissions shall not exceed 0.60 ton per year.

c. The organic compound emissions shall not exceed 19.8 pounds per day.

d. The organic compound emissions shall not exceed 3.3 tons per year.

10. Emission unit P003 (existing)

a. The particulate emissions shall not exceed 1.1 pounds per hour.

b. The particulate emissions shall not exceed 0.14 ton per year.

c. The organic compound emissions shall not exceed 0.055 pound per day.

d. The organic compound emissions shall not exceed 0.007 ton per year.

11. Emissions unit P009 (existing)

a. The particulate emissions shall not exceed 1.0 pounds per hour.

b. The particulate emissions shall not exceed 3.4 tons per year.

c. The organic compound emissions shall not exceed 19.8 pounds per day.

d. The organic compound emissions shall not exceed 3.74 tons per year.

12. Emissions unit P010 (existing)

a. The particulate emissions shall not exceed 0.6 pound per hour.

b. The particulate emissions shall not exceed 2.5 tons per year.

c. The organic compound emissions shall not exceed 26.4 pounds per day.

d. The organic compound emissions shall not exceed 4.6 tons per year.

13. Emissions unit P011 (existing)

    a. The particulate emissions shall not exceed 0.30 pound per hour.

    b. The particulate emissions shall not exceed 1.3 tons per year.

    c. The organic compound emissions shall not exceed 26.4 pounds per day.

    d. The organic compound emissions shall not exceed 4.8 tons per year.

14. Emissions unit P013 (existing)

    a. The particulate emissions shall not exceed 0.16 pound per hour.

    b. The particulate emissions shall not exceed 0.90 ton per year.

    c. The organic compound emissions shall not exceed 26.4 pounds per day.

    d. The organic compound emissions shall not exceed 4.8 tons per year.

15. Emissions unit P014 (existing)

    a. The particulate emissions shall not exceed 0.704 pound per day.

    b. The particulate emissions shall not exceed 0.129 ton per year.

    c. The organic compound emissions shall not exceed 40 pounds per day.

    d. The organic compound emissions shall not exceed 7.3 tons per year.

16. Emissions unit P015 (existing)

    a. The particulate emissions shall not exceed 2.9 pounds per day.

    b. The particulate emissions shall not exceed 0.535 ton per year.

c. The organic compound emissions shall not exceed 26.4 pounds per day.

d. The organic compound emissions shall not exceed 4.82 tons per year.

17. Emissions unit P016 (existing)

a. The particulate emissions shall not exceed 4.47 pounds per day.

b. The particulate emissions shall not exceed 0.816 ton per year.

c. The organic compound emissions shall not exceed 40 pounds per day.

d. The organic compound emissions shall not exceed 7.3 tons per year.

B. Operational Restrictions

1. The use of photochemically reactive materials, as defined in OAC rule 3745-21-01(C)(5), in this emissions unit is prohibited.

   Prior to employing any photochemically reactive materials, the permittee shall provide written notification to, and obtain approval from, the Ohio EPA, Southwest District Office. Such notification shall include information sufficient to determine that the emissions associated with the proposed change in materials will comply with the emission limits and/or control requirements as defined in OAC 3745-21-07(G)(2). This notification, at a minimum, shall include the company identification of the new material to be employed, the solvent composition of the material, and the maximum amount to be used, in pounds per hour.

C. Monitoring and/or Recordkeeping Requirements

1. The permittee shall collect and record the following information for each day for emissions units P001, P002, P003, P009, P010, P011, P013, P014, P015, P016, P017, P018, P019 and P020:

   a. the company identification for each material employed;

   b. the number of pounds of each material employed;

   c. the number of pounds of each material employed each hour of the day;

   d. the organic compound (OC) content of each material, in lbs/ton;

e. the total OC emission rate for all materials, in lbs/day; and,

f. the total OC emission rate for all materials, in lbs/hr for each hour of the day.

2. The permittee shall maintain daily records of the following information:

a. the raw material usage rate for each day; and,

b. beginning after the first 12 calendar months of operation following the issuance of this permit, the rolling, 12-month summation of the raw material usage rates.

Also, during the first 12 calendar months of operation following the issuance of this permit, the permittee shall record the cumulative material usage rate for each calendar month.

3. 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 baghouse on a once per shift basis.

4. 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. <u>Reporting Requirements</u>

1. Except as otherwise may be provided in the terms and conditions for a specific emissions unit, quarterly 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 Ohio EPA's Southwest District Office. If no deviations occurred during a calendar quarter, the permittee shall submit a report which states that no deviations occurred during that quarter. The reports shall be submitted quarterly, i.e., by February 15, May 15, August 15, and November 15 of each year and shall cover the previous calendar quarters. (These quarterly reports shall exclude such deviations resulting from any malfunction reported in accordance with OAC rule 3745-15-06.)

2. The permittee shall also submit annual reports which specify the total OC emissions and PM emissions from emissions units P001, P002, P003, P009, P010, P011, P013, P014, P015, P016, P017, P018, P019 and P020 for the previous calendar year. These reports shall be submitted by January 31 of each year.

E. Testing Requirements

1. Compliance with the emission limitation(s) in section A.4 (P017) of these terms and conditions shall be determined in accordance with the following method(s):

   a. Emission Limitation

      1.5 lbs OC/hr

      Applicable Compliance Method

      Compliance shall be based on the recordkeeping requirements as specified in term C.1.

   b. Emission Limitation

      6.57 TPY of OC

      Applicable Compliance Method

      Compliance shall be based on the recordkeeping requirements as specified in term C.1 and shall be the sum of the 365 daily emission rates for the calendar year.

   c. Emission Limitation

0.3 lb PM/hr

Applicable Compliance Method

Compliance shall be determined using calculations, based on AP-42 emission factors (20 lbs PM/ton of material), the maximum hourly throughput of the emissions unit (1.5 tons/hr), and a control efficiency of 99 percent (0.01).

d. Emission Limitation

1.31 TPY of PM

Applicable Compliance Method

Compliance shall be determined using calculations, based on AP-42 emission factors (20 lbs PM/ton of material), the maximum annual throughput of the emissions unit (13140 tons/yr), and a control efficiency of 99 percent (0.01).

2. Compliance with the emission limitation(s) in section A.5 (P018) of these terms and conditions shall be determined in accordance with the following method(s):

a. Emission Limitation

1.25 lbs OC/hr

Applicable Compliance Method

Compliance shall be based on the recordkeeping requirements as specified in term C.1.

b. Emission Limitation

5.48 TPY of OC

Applicable Compliance Method

Compliance shall be based on the recordkeeping requirements as specified in term C.1 and shall be the sum of the 365 daily emission rates for the calendar year.

c. Emission Limitation

0.25 lb PM/hr

Applicable Compliance Method

Compliance shall be determined using calculations, based on AP-42 emission factors (20 lbs PM/ton of material), the maximum hourly throughput of the emissions unit (1.25 tons/hr), and a control efficiency of 99 percent (0.01).

d. Emission Limitation

1.1 TPY of PM

Applicable Compliance Method

Compliance shall be determined using calculations, based on AP-42 emission factors (20 lbs PM/ton of material), the maximum annual throughput of the emissions unit (10950 tons/yr), and a control efficiency of 99 percent (0.01).

3. Compliance with the emission limitation(s) in section A.6 and A.7 (P019 and P020) of these Additional Special Terms and Conditions shall be determined in accordance with the following method(s):

a. Emission Limitation

1.75 lbs OC/hr

Applicable Compliance Method

Compliance shall be based on the recordkeeping requirements as specified in Additional Special Term and Condition C.1.

b. Emission Limitation

7.67 TPY of OC

Applicable Compliance Method

Compliance shall be based on the recordkeeping requirements as specified in Additional Special Term and Condition C.1 and shall be the sum of the 365 daily emission rates for the calendar year.

c. Emission Limitation

0.35 lb PM/hr

Applicable Compliance Method

Compliance shall be determined using calculations, based on AP-42 emission factors (20 lbs PM/ton of material), the maximum hourly throughput of the emissions unit (1.75 tons/hr), and a control efficiency of 99 percent (0.01).

d. Emission Limitation

1.53 TPY of PM

Applicable Compliance Method

Compliance shall be determined using calculations, based on AP-42 emission factors (20 lbs PM/ton of material), the maximum annual throughput of the emissions unit (15067.2 tons/yr), and a control efficiency of 99 percent (0.01).

4. Compliance with the emission limitation(s) in section A.8 (P001) of these terms and conditions shall be determined in accordance with the following method(s):

a. Emission Limitation

0.10 lb PM/hr

Applicable Compliance Method

Compliance shall be determined using calculations, based on AP-42 emission factors (20 lbs PM/ton of material), the maximum hourly throughput of the emissions unit (tons/hr), and a control efficiency of 99 percent (0.01).

b. Emission Limitation

0.40 TPY of PM

Applicable Compliance Method

Compliance shall be determined using calculations, based on AP-42 emission factors (20 lbs PM/ton of material), the maximum annual throughput of the emissions unit (tons/yr), and a control efficiency of 99 percent (0.01).

c. Emission Limitation

29.9 lbs VOC/day

Applicable Compliance Method

Compliance shall be based on the recordkeeping requirements as specified in Additional Special Term and Condition C.1.

d. Emission Limitation

4.4 TPY VOC

Applicable Compliance Method

Compliance shall be based on the recordkeeping requirements as specified in Additional Special Term and Condition C.1 and shall be the sum of the 365 daily emission rates for the calendar year.

5. Compliance with the emission limitation(s) in section A.9 (P002) of these terms and conditions shall be determined in accordance with the following method(s):

a. Emission Limitation

0.20 lb PM/hr

Applicable Compliance Method

Compliance shall be determined using calculations, based on AP-42 emission factors (20 lbs PM/ton of material), the maximum hourly throughput of the emissions unit (tons/hr), and a control efficiency of 99 percent (0.01).

b. Emission Limitation

0.60 TPY of PM

Applicable Compliance Method

Compliance shall be determined using calculations, based on AP-42 emission factors (20 lbs PM/ton of material), the maximum annual throughput of the emissions unit (tons/yr), and a control efficiency of 99 percent (0.01).

c. Emission Limitation

19.8 lbs VOC/day

Applicable Compliance Method

Compliance shall be based on the recordkeeping requirements as specified in Additional Special Term and Condition C.1.

d. Emission Limitation

3.3 TPY VOC

Applicable Compliance Method

Compliance shall be based on the recordkeeping requirements as specified in Additional Special Term and Condition C.1 and shall be the sum of the 365 daily emission rates for the calendar year.

6. Compliance with the emission limitation(s) in section A.10 (P003) of these Additional Special Terms and Conditions shall be determined in accordance with the following method(s):

a. Emission Limitation

1.1 lbs PM/hr

Applicable Compliance Method

Compliance shall be determined using calculations, based on AP-42 emission factors (20 lbs PM/ton of material), the maximum hourly throughput of the emissions unit (tons/hr), and a control efficiency of 99 percent (0.01).

b. Emission Limitation

0.14 TPY of PM

Applicable Compliance Method

Compliance shall be determined using calculations, based on AP-42 emission factors (20 lbs PM/ton of material), the maximum annual throughput of the emissions unit (tons/yr), and a control efficiency of 99 percent (0.01).

c. Emission Limitation

0.055 lb VOC/day

Applicable Compliance Method

Compliance shall be based on the recordkeeping requirements as specified in Additional Special Term and Condition C.1.

d. Emission Limitation

0.007 TPY VOC

Applicable Compliance Method

Compliance shall be based on the recordkeeping requirements as specified in Additional Special Term and Condition C.1 and shall be the sum of the 365 daily emission rates for the calendar year.

7. Compliance with the emission limitation(s) in section A.11 (P009) of these Additional Special Terms and Conditions shall be determined in accordance with the following method(s):

a. Emission Limitation

1.0 pounds per hour.

Applicable Compliance Method

Compliance shall be determined using calculations, based on AP-42 emission factors (20 lbs PM/ton of material), the maximum hourly throughput of the emissions unit (tons/hr), and a control efficiency of 99 percent (0.01).

b. Emission Limitation

3.4 TPY of PM

Applicable Compliance Method

Compliance shall be determined using calculations, based on AP-42 emission factors (20 lbs PM/ton of material), the maximum annual throughput of the emissions unit (tons/yr), and a control efficiency of 99 percent (0.01).

c. Emission Limitation

19.8 lbs VOC/day

Applicable Compliance Method

Compliance shall be based on the recordkeeping requirements as

specified in Additional Special Term and Condition C.1.

d. Emission Limitation

3.74 TPY VOC

Applicable Compliance Method

Compliance shall be based on the recordkeeping requirements as specified in Additional Special Term and Condition C.1 and shall be the sum of the 365 daily emission rates for the calendar year.

8. Compliance with the emission limitation(s) in section A.12 (P010) of these Additional Special Terms and Conditions shall be determined in accordance with the following method(s):

a. Emission Limitation

0.6 pound per hour.

Applicable Compliance Method

Compliance shall be determined using calculations, based on AP-42 emission factors (20 lbs PM/ton of material), the maximum hourly throughput of the emissions unit (tons/hr), and a control efficiency of 99 percent (0.01).

b. Emission Limitation

2.5 tons per year.

Applicable Compliance Method

Compliance shall be determined using calculations, based on AP-42 emission factors (20 lbs PM/ton of material), the maximum annual throughput of the emissions unit (tons/yr), and a control efficiency of 99 percent (0.01).

c. Emission Limitation

26.4 lbs VOC/day

Applicable Compliance Method

Compliance shall be based on the recordkeeping requirements as specified in Additional Special Term and Condition C.1.

d. Emission Limitation

4.6 TPY VOC

Applicable Compliance Method

Compliance shall be based on the recordkeeping requirements as specified in Additional Special Term and Condition C.1 and shall be the sum of the 365 daily emission rates for the calendar year.

9. Compliance with the emission limitation(s) in section A.13 (P011) of these terms and conditions shall be determined in accordance with the following method(s):

a. Emission Limitation

0.30 pound per hour.

Applicable Compliance Method

Compliance shall be determined using calculations, based on AP-42 emission factors (20 lbs PM/ton of material), the maximum hourly throughput of the emissions unit (tons/hr), and a control efficiency of 99 percent (0.01).

b. Emission Limitation

1.3 tons per year.

Applicable Compliance Method

Compliance shall be determined using calculations, based on AP-42 emission factors (20 lbs PM/ton of material), the maximum annual throughput of the emissions unit (tons/yr), and a control efficiency of 99 percent (0.01).

c. Emission Limitation

26.4 lbs VOC/day

Applicable Compliance Method

Compliance shall be based on the recordkeeping requirements as specified in Additional Special Term and Condition C.1.

d. Emission Limitation

4.8 TPY VOC

Applicable Compliance Method

Compliance shall be based on the recordkeeping requirements as specified in Additional Special Term and Condition C.1 and shall be the sum of the 365 daily emission rates for the calendar year.

10. Compliance with the emission limitation(s) in section A.14 (P013) of these Additional Special Terms and Conditions shall be determined in accordance with the following method(s):

a. Emission Limitation

0.16 pound per hour.

Applicable Compliance Method

Compliance shall be determined using calculations, based on

AP-42 emission factors (20 lbs PM/ton of material), the maximum hourly throughput of the emissions unit (tons/hr), and a control efficiency of 99 percent (0.01).

b. Emission Limitation

0.9 ton per year.

Applicable Compliance Method

Compliance shall be determined using calculations, based on AP-42 emission factors (20 lbs PM/ton of material), the maximum annual throughput of the emissions unit (tons/yr), and a control efficiency of 99 percent (0.01).

c. Emission Limitation

26.4 lbs VOC/day

Applicable Compliance Method

Compliance shall be based on the recordkeeping requirements as specified in Additional Special Term and Condition C.1.

d. Emission Limitation

4.8 TPY VOC

Applicable Compliance Method

Compliance shall be based on the recordkeeping requirements as specified in Additional Special Term and Condition C.1 and shall be the sum of the 365 daily emission rates for the calendar year.

11. Compliance with the emission limitation(s) in section A.15 (P014) of these Additional Special Terms and Conditions shall be determined in accordance with the following method(s):

a. Emission Limitation

0.704 pound per day.

Applicable Compliance Method

Compliance shall be determined using calculations, based on AP-42 emission Factors (20 lbs PM/ton of material), the maximum hourly throughput of the emissions unit (tons/hr), and a control efficiency of 99 percent (0.01).

b. Emission Limitation

0.129 ton per year.

Applicable Compliance Method

Compliance shall be determined using calculations, based on AP-42 emission factors (20 lbs PM/ton of material), the maximum annual throughput of the emissions unit (tons/yr), and a control efficiency of 99 percent (0.01).

c. Emission Limitation

40 pounds per day.

Applicable Compliance Method

Compliance shall be based on the recordkeeping requirements as specified in Additional Special Term and Condition C.1.

d. Emission Limitation

7.3 tons per year.

Applicable Compliance Method

Compliance shall be based on the recordkeeping requirements as specified in Additional Special Term and Condition C.1 and shall be the sum of the 365 daily emission rates for the calendar year.

12. Compliance with the emission limitation(s) in section A.16 (P015) of these Additional Special Terms and Conditions shall be determined in accordance with the following method(s):

a. Emission Limitation

2.9 lbs PM/day

Applicable Compliance Method

Compliance shall be determined using calculations, based on AP-42 emission factors (20 lbs PM/ton of material), the maximum hourly throughput of the emissions unit (tons/hr), and a control efficiency of 99 percent (0.01).

b. Emission Limitation

0.535 TPY PM

Applicable Compliance Method

Compliance shall be determined using calculations, based on AP-42 emission factors (20 lbs PM/ton of material), the maximum annual throughput of the emissions unit (tons/yr), and a control efficiency of 99 percent (0.01).

c. Emission Limitation

26.4 lbs VOC/day

Applicable Compliance Method

Compliance shall be based on the recordkeeping requirements as specified in Additional Special Term and Condition C.1.

d. Emission Limitation

4.82 TPY VOC

Applicable Compliance Method

Compliance shall be based on the recordkeeping requirements as specified in Additional Special Term and Condition C.1 and shall be the sum of the 365 daily emission rates for the calendar year.

13. Compliance with the emission limitation(s) in section A.17 (P016) of these Additional Special Terms and Conditions shall be determined in accordance with the following method(s):

a. Emission Limitation

4.47 lbs PM/day

Applicable Compliance Method

Compliance shall be determined using calculations, based on AP-42 emission factors (20 lbs PM/ton of material), the maximum hourly throughput of the emissions unit (tons/hr), and a control efficiency of 99 percent (0.01).

b. Emission Limitation

0.816 TPY PM

Applicable Compliance Method

Compliance shall be determined using calculations, based on AP-42 emission factors (20 lbs PM/ton of material), the maximum annual throughput of the emissions unit (tons/yr), and a control efficiency of 99 percent (0.01).

c. Emission Limitation

40 lbs VOC/day

Applicable Compliance Method

Compliance shall be based on the recordkeeping requirements as specified in Additional Special Term and Condition C.1.

d. Emission Limitation

7.3 TPY VOC

Applicable Compliance Method

Compliance shall be based on the recordkeeping requirements as specified in Additional Special Term and Condition C.1 and shall be the sum of the 365 daily emission rates for the calendar year.

13. Formulation data or USEPA Method 24 shall be used to determine the organic compound contents of the materials.

F. Miscellaneous Requirements

None.