



State of Ohio Environmental Protection Agency

Street Address:

Mailing Address:

Lazarus Gov. Center TELE: (614) 644-3020 FAX: (614) 644-2329

Lazarus Gov.  
Center

RE: **FINAL PERMIT TO INSTALL MODIFICATION** CERTIFIED MAIL  
WILLIAMS COUNTY  
Application No: 03-10757

DATE: 1/28/2004

Key Plastics LLC  
Mike Fitzgibbon  
700 Randolph Street  
Montpelier, OH 43543

Enclosed Please find a modification to the Ohio EPA Permit To Install referenced above which will modify the terms and conditions.

You are hereby notified that this action by the Director is final and may be appealed to the Ohio Environmental Review Appeals Commission pursuant to Chapter 3745.04 of the Ohio Revised Code. The appeal must be in writing and set forth the action complained of and the grounds upon which the appeal is based. It must be filed within thirty (30) days after the notice of the Directors action. A copy of the appeal must be served on the Director of the Ohio Environmental Protection Agency within three (3) days of filing with the Commission. An appeal may be filed with the Environmental Review Appeals Commission at the following address:

Environmental Review Appeals Commission  
309 South Fourth Street, Room 222  
Columbus, Ohio 43215

Sincerely

Michael W. Ahern, Supervisor  
Field Operations and Permit Section  
Division of Air Pollution Control

CC: USEPA

NWDO



**Permit To Install  
Terms and Conditions**

**Issue Date: 1/28/2004  
Effective Date: 1/28/2004**

**FINAL ADMINISTRATIVE MODIFICATION OF PERMIT TO INSTALL 03-10757**

Application Number: **03-10757**  
APS Premise Number: **0386000027**  
Permit Fee: **\$500**  
Name of Facility: **Key Plastics LLC**  
Person to Contact: **Mike Fitzgibbon**  
Address: **700 Randolph Street  
Montpelier, OH 43543**

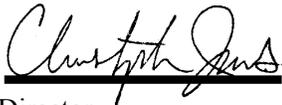
Location of proposed air contaminant source(s) [emissions unit(s)]:  
**700 Randolph Street  
Montpelier, OHIO**

Description of modification:  
**Modification to paint booths R030, R032, R040, R044.**

The above named entity is hereby granted a modification to the permit to install described above pursuant to Chapter 3745-31 of the Ohio Administrative Code. Issuance of this modification does not constitute expressed or implied approval or agreement that, if constructed or modified in accordance with the plans included in the application, the above described source(s) of environmental pollutants will operate in compliance with applicable State and Federal laws and regulations, and does not constitute expressed or implied assurance that if constructed or modified in accordance with those plans included in the application, the above described source(s) of pollutants will be granted the necessary operating permits.

This permit is granted subject to the conditions attached hereto.

Ohio Environmental Protection Agency



Director

**Key Plastics LLC**

Facility ID: **0386000027**

**PTI Application: 03-10757**

**Modification Issued: 1/28/2004**

## **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.

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### **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 AND OPERATION AFTER COMPLETION OF CONSTRUCTION**

If the permittee is required to apply for a Title V permit pursuant to OAC Chapter 3745-77, the permittee shall submit a complete Title V permit application or a complete Title V permit modification application within twelve (12) months after commencing operation of the emissions units covered by this permit. However, if the proposed new or modified source(s) would be prohibited by the terms and conditions of an existing Title V permit, a Title V permit modification must be obtained before the operation of such new or modified source(s) pursuant to OAC rule 3745-77-04(D) and OAC rule 3745-77-08(C)(3)(d).

If the permittee is required to apply for permit(s) pursuant to OAC Chapter 3745-35, the source(s) identified in this Permit To Install is (are) permitted to operate for a period of up to one year from the date the source(s) commenced operation. Permission to operate is granted only if the facility complies with all requirements contained in this permit and all applicable air pollution laws, regulations, and policies. Pursuant to OAC Chapter 3745-35, the permittee shall submit a complete operating permit application within ninety (90) days after commencing operation of the source(s) covered by this permit.

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

The air contaminant emissions units listed below comprise the Permit to Install for **Key Plastics LLC** located in **WILLIAMS** 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

R031  
(Mod)  
cont'd

R028  
(Mod)

R028  
(Mod)  
cont'd

R029  
(Mod)

R030  
(Mod)

R031  
(Mod)

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R032 (Mod)	K001 (Mod)		R037 (Mod)	
		R036 (Mod)		
R032 (mod) cont'd	K001 (Mod) Cont'd			
		R036 (Mod) cont'd		
			R037 (Mod) cont'd	
				R038 (Mod) cont'd
				R009 (Mod)
			R038	

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		cont'd	R011 (Mod) cont'd	
				R012 (Mod) cont'd
				R013 (Mod)
			R012 (Mod)	
		R011 (Mod)		
	R035 (Mod)			
R034 (Mod)				
	R035 (Mod)			

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R013 (Mod) cont'd	R042 (Mod)	R040 (Mod)	R043 (Mod)	R044 (Mod)
R014 (Mod)		R040 (Mod) cont'd	R043 (Mod) cont'd	R044 (Mod) Cont'd

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R041 (Mod)	R039 (Mod)	(Mod)	Source Identification <u>Description</u>	
		L002 (Mod)	Plastic Parts Spray Booth, Paint Booth A-1; Modification to allow for increase paint usage and use of photo-chemically reactive materials (coatings)	Plastic Parts Spray Booth, Paint Booth A-2; Modification to allow for increase paint usage and use of photo-chemically reactive materials (coatings)

R041  
(Mod)  
Cont'd

R039  
(Mod)  
Cont'd

L001

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Booth, Paint Booth A-3; Modification to allow for increase paint usage and use of photo-chemically reactive materials (coatings)	Plastic Parts Spray Booth, Paint Booth A-4; Modification to allow for increase paint usage and use of photo-chemically reactive materials (coatings)	Plastic Parts Spray Booth, Paint Booth A-5; Modification to allow for increase paint usage and use of photo-chemically reactive materials (coatings)	Modification to allow for the coating of miscellaneous metal parts) increased paint usage, and use of photochemically reactive materials (coatings)	allow for increase paint usage
				Plastic parts Spray booth, Paint booth B-2; Modification to allow for increase paint usage
		Plastic/Metal Parts Spray Booth, Paint Booth A-6;	Plastic parts Spray booth, Paint booth B-1; Modification to	

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Ohio EPA Source <u>Number</u>	Source Identification <u>Number</u> usage	BAT <u>Determination</u> reactive materials (coatings)	Applicable Federal & <u>OAC Rules</u>	Permit Allowable Mass Emissions and/or Control/Usage <u>Requirements</u>
Plastic parts Spray booth, Paint booth B-3; Modification to allow for increase paint	Plastic parts Spray booth, Paint booth C-1; Modification to allow for increase paint usage and use of photochemically	Plastic parts Spray booth, Paint booth C-3; Modification to allow for increase paint usage and use of photochemically reactive materials (coatings)	Plastic parts Spray booth, Paint booth C-4; Modification to allow for increase paint usage and use of photochemically reactive materials (coatings)	Plastic parts Spray booth, Paint booth C-5; Modification to allow for increase paint usage and use of photochemically reactive materials (coatings)

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<u>Ohio EPA Source Number</u>	<u>Source Identification Number</u>	<u>BAT Determination</u>	<u>Applicable Federal &amp; OAC Rules</u>	<u>Permit Allowable Mass Emissions and/or Control/Usage Requirements</u>
Plastic parts Spray booth, Paint booth C-6; Modification to allow for increase paint usage and use of photochemically reactive materials (coatings)	Plastic parts Spray booth, Paint booth C-7; Modification to allow for increase paint usage and use of photochemically reactive materials (coatings)	Plastic parts Spray booth, Paint booth C-8; Modification to allow for increase paint usage and use of photochemically reactive materials (coatings)	Plastic parts Spray booth, Paint booth C-9; Modification to allow for increase paint usage and use of photochemically reactive materials (coatings)	Plastic parts Spray booth, Paint booth D-1A; Modification to allow for increase paint usage and use of photochemically reactive materials (coatings)

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Ohio EPA Source <u>Number</u>	Source Identification <u>Number</u>	BAT <u>Determination</u>	Applicable Federal & <u>OAC Rules</u>	Permit Allowable Mass Emissions and/or Control/Usage <u>Requirements</u>
Plastic Parts Spray Booth, Paint Booth D-1B	Plastic Parts Spray Booth, Paint Booth D-1C	Plastic parts Spray booth, Paint booth D-2; Modification to allow for increase paint usage and use of photochemically reactive materials (coatings)	Test Paint Spray Booth; Modification to allow for increased paint usage	Modification to allow for increased solvent usage  Solvent Cold Cleaner, C-6/C-7 Mask Washer

Solvent Cold Cleaner,  
Mask Washer;

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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	toxics" policy	materials, compliance with the limitations and conditions of this permit and compliance with the "air toxics" policy	compliance with the limitations and conditions of this permit and compliance with the "air toxics" policy	reactive cleanup materials, compliance with the limitations and conditions of this permit and compliance with the "air toxics" policy
Use of filter exhaust system for control of PE emissions, use of nonphotochemically reactive cleanup materials, compliance with the limitations and conditions of this permit and compliance with the "air	Use of filter exhaust system for control of PE emissions, use of nonphotochemically reactive cleanup	Use of filter exhaust system for control of PE emissions, use of nonphotochemically reactive cleanup materials,	Use of filter exhaust system for control of PE emissions, use of nonphotochemically	Use of filter exhaust system for control of PE emissions, use of

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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
nonphotochemically reactive cleanup materials, compliance with the limitations and conditions of this permit and compliance with the "air toxics" policy	Use of filter exhaust system for control of PE emissions, use of nonphotochemically reactive cleanup materials, compliance with the limitations and conditions of this permit and compliance with the "air toxics" policy and compliance with RACT when coating miscellaneous metal parts.	Use of filter exhaust system for control of PE emissions, use of nonphotochemically reactive cleanup materials, compliance with the limitations and conditions of this permit and compliance with the "air toxics" policy	Use of filter exhaust system for control of PE emissions, use of nonphotochemically reactive cleanup materials, compliance with the limitations and conditions of this permit and compliance with the "air toxics" policy	Use of filter exhaust system for control of PE emissions, use of nonphotochemically reactive cleanup materials, compliance with the limitations and conditions of this permit and compliance with the "air toxics" policy

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	ce with the "air toxics" policy	"air permit and compliance with the "air toxics" policy		

Use of filter exhaust system for control of PE emissions, use of nonphotochemically reactive cleanup materials

compliance with the limitations and conditions of this permit and compliance

Use of filter exhaust system for control of PE emissions, use of nonphotochemically reactive cleanup materials, compliance with the limitations and conditions of this

Use of filter exhaust system for control of PE emissions, use of nonphotochemically reactive cleanup materials, compliance with the limitations and conditions of this permit and compliance with the "air toxics" policy

Use of filter exhaust system for control of PE emissions, use of nonphotochemically reactive cleanup materials, compliance with the limitations and conditions of this permit and compliance with the "air toxics" policy

Use of filter exhaust system for control of PE emissions, use of nonphotochemically reactive cleanup materials, compliance with the limitations and conditions of this permit and compliance with the "air toxics" policy

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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
	reactive cleanup materials, compliance with the limitations and conditions of this permit and compliance with the "air toxics" policy	exhaust system for control of PE emissions, use of nonphotochemically reactive cleanup materials, compliance with the limitations and conditions of this permit and compliance with the "air toxics" policy	compliance with the limitations and conditions of this permit and compliance with the "air toxics" policy	materials, compliance with the limitations and conditions of this permit and compliance with the "air toxics" policy

Use of filter exhaust system for control of PE emissions, use of nonphotochemically

Use of filter

Use of filter exhaust system for control of PE emissions, use of nonphotochemically reactive cleanup materials,

Use of filter exhaust system for control of PE emissions, use of nonphotochemically reactive cleanup

Use of filter exhaust system for control of PE emissions, use of nonphotochemically reactive cleanup

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materials , compliance with the limitations and conditions of this permit and compliance with the "air toxics" policy	Use of filter exhaust system for control of PE emissions, use of nonphotochemically reactive cleanup materials, compliance with the limitations and conditions of this permit and compliance with the "air toxics" policy	Use of filter exhaust system for control of PE emissions, use of nonphotochemically reactive cleanup materials, compliance with the limitations and conditions of this permit and compliance with the "air toxics" policy	Use of filter exhaust system for control of PE emissions, use of nonphotochemically reactive cleanup materials, compliance with the limitations and conditions of this permit and compliance with the "air toxics" policy	Compliance with the limitations and conditions of this permit and compliance with the "air toxics" policy
				Compliance with the limitations and conditions of this permit and compliance with the "air toxics" policy

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		3745-17-11 (B)	3745-31-05	
	Applicable Federal & <u>OAC Rules</u>	3745-17-07 (A)	3745-31-05	
	3745-31-05			
				3745-21-07 (G) (2)
			3745-21-07 (G) (2)	
		3745-21-07 (G) (2)		3745-17-11 (B)
				3745-17-07 (A)
	3745-21-07 (G)(2)		3745-17-11 (B)	3745-31-05
			3745-17-07 (A)	
		3745-17-11 (B)	3745-31-05	
		3745-17-07 (A)		

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		3745-31-05		
3745-21-07 (G) (2)	3745-21-09 (U) (1) (d)		3745-21-07 (G) (2)	3745-21-07 (G) (2)
3745-17-11 (B)	3745-21-07 (G) (2)	3745-21-07 (G) (2)		3745-17-11 (B)
3745-17-07 (A)			3745-17-11 (B)	3745-17-07 (A)
3745-31-05		3745-17-11 (B)	3745-17-07 (A)	3745-31-05
	3745-21-07 (B)	3745-17-07 (A)	3745-31-05	
	3745-17-07 (A)	3745-31-05		

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				3745-21-07 (G) (2)
			3745-21-07 (G) (2)	
		3745-21-07 (G) (2)		
3745-21-07 (G) (2)	3745-21-07 (G) (2)			3745-17-11 (B)
			3745-17-11 (B)	3745-17-07 (A)
			3745-17-07 (A)	3745-31-05
		3745-17-11 (B)		
		3745-17-07 (A)		
	3745-17-11 (B)			
3745-17-11 (B)	3745-17-07 (A)	3745-31-05		
3745-17-07 (A)	3745-31-05			
3745-31-05				

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				3745-21-07 (G) (2)
		3745-21-07 (G) (2)	3745-21-07 (G) (2)	
3745-21-07 (G) (2)	3745-21-07 (G) (2)			3745-17-11 (B)
		3745-17-11 (B)	3745-17-11 (B)	3745-17-07 (A)
		3745-17-07 (A)	3745-17-07 (A)	3745-31-05
3745-17-11 (B)	3745-17-11 (B)	3745-31-05		
	3745-17-07 (A)			
3745-17-07 (A)	3745-31-05			
3745-31-05				

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(G) (2)		3745-17-11 (B)		
		3745-17-07 (A)		
3745-17-11 (B)	3745-17-11 (B)	3745-31-05		
	3745-17-07 (A)			
3745-17-07 (A)	3745-31-05			
3745-31-05		3745-21-09 (O) (2)		
		3745-31-05		
		3745-21-09 (O) (2)		
	3745-21-07 (G) (2)			
3745-21-07 (G) (2)				

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		employing photochemically reactive materials (coatings)	7.53 lbs OC/hr, 32.98 TPY, and 231 tons VOC/yr (combined limit see Additional Special Terms and Condition's)	20.4 TPY, and 231 tons VOC/yr (combined limit see Additional Special Terms and Condition's)
	Permit Allowable Mass Emissions and/or Control/Usage Requirements	*		
		*		
	10.36 lbs OC/hr, 45.4 TPY, and 231 tons VOC/yr (combined limit see Additional Special Terms and Condition's)	4.65 lbs OC/hr, 20.4 TPY, and 231 tons VOC/yr (combined limit see Additional Special Terms and Condition's)	101.8 lbs OC/month, 0.61 TPY from cleanup operations (See Additional Special Terms and Condition's)	101.8 lbs OC/month, 0.61 TPY from cleanup operations (See Additional Special Terms and Condition's)
	101.8 lbs OC/month, 0.61 TPY from cleanup operations (See Additional Special Terms and Condition's)	101.8 lbs OC/month, 0.61 TPY from cleanup operations (See Additional Special Terms and Condition's)	1.34 lbs (PE)/hr & 5.87 tons PE/yr	0.70 lbs (PE)/hr & 3.07 tons PE/yr
	1.56 lbs Particulate emissions (PE)/hr & 6.83 tons PE/yr	Opacity Restrictions (See Additional Special Terms and Condition's)	Opacity Restrictions (See Additional Special Terms and Condition's)	Opacity Restrictions (See Additional Special Terms and Condition's)
	Opacity Restrictions (See Additional Special Terms and Condition's)	8 lbs OC/hr and 40 lbs OC/day when employing photochemically reactive materials (coatings)	8 lbs OC/hr and 40 lbs OC/day when employing photochemically reactive materials (coatings)	8 lbs OC/hr and 40 lbs OC/day when employing photochemically reactive materials (coatings)
		*	*	*
		*	*	*
	8 lbs OC/hr and 40 lbs OC/day when	*	4.65 lbs OC/hr,	7.53 lbs OC/hr, 32.98 TPY, and 231 tons VOC/yr

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<u>Ohio EPA Source Number</u>	<u>Source Identification Number</u>	<u>BAT Determination</u>	<u>Applicable Federal &amp; OAC Rules</u>	<u>Permit Allowable Mass Emissions and/or Control/Usage Requirements</u>
(combined limit see Additional Special Terms and Condition's)	Additional Special Terms and Condition's)	Opacity restrictions (See Additional Special Terms and Condition's)	8 lbs OC/hr and 40 lbs OC/day when employing photochemically reactive materials (Coatings)	employing photochemically reactive materials (Coatings)
Special Terms and Condition's)	8 lbs OC/hr and 40 lbs OC/day when employing photochemically reactive materials (coatings)	3.5 lbs VOC/gallon minus water and exempt solvents when coating miscellaneous metal parts	photochemically reactive materials (Coatings)	*
101.8 lbs OC/month, 0.61 TPY	*	8 lbs OC/hr and 40 lbs OC/day when employing photochemically reactive materials (Coatings)	*	*
from cleanup operations (See Additional Special Terms and Condition's)	5.43 lbs OC/hr, 23.8 TPY when coating non-miscellaneous metal parts and when employing nonphotochemically reactive coatings.	*	6.02 lbs OC/hr, 26.2 TPY , and 231 tons VOC/yr (Combined limit see Additional Special Terms and Condition's)	6.02 lbs OC/hr, 26.4 TPY , and 231 tons VOC/yr (Combined limit see Additional Special Terms and Condition's)
Additional Special Terms and Condition's)	101.8 lbs OC/month, 0.61 TPY for cleanup operations (limit see Additional Special Terms and Condition's)	4.52 lbs OC/hr, 19.8 TPY , and 231 tons VOC/yr (Combined limit see Additional Special Terms and Condition's)	203.7 lbs OC/month, 1.22 TPY for cleanup operations (limit see Additional Special Terms and Condition's)	203.7 lbs OC/month, 1.22 TPY for cleanup operations (limit see Additional Special Terms and Condition's)
1.34 lbs (PE)/hr & 5.87 tons PE/yr	101.8 lbs OC/month, 0.61 TPY for cleanup operations (limit see Additional Special Terms and Condition's)	203.7 lbs OC/month, 1.22 TPY for cleanup operations (limit see Additional Special Terms and Condition's)	0.10 lbs (PE)/hr & 0.44 tons PE/yr	0.10 lbs (PE)/hr & 0.44 tons PE/yr
Opacity Restrictions (See	0.54 lbs PE/hr & 2.37 tons PE/yr	Opacity Restrictions (See Additional Special Terms and Condition's)	Opacity Restrictions (See Additional Special Terms and Condition's)	Opacity Restrictions (See Additional Special Terms and Condition's)
			8 lbs OC/hr and 40 lbs OC/day when employing photochemically reactive materials	8 lbs OC/hr and 40 lbs OC/day when employing photochemically reactive materials

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(Coatings)	n's)	1.62 tons PE/yr	*	TPY, and 231 tons VOC/yr (Combined limit see Additional Special Terms and Condition's)
*	0.92 lbs (PE)/hr & 4.03 tons PE/yr	Opacity Restrictions (See Additional Special Terms and Condition's)	*	
*	Opacity Restrictions (See Additional Special Terms and Condition's)	8 lbs OC/hr and 40 lbs OC/day when employing photochemically reactive materials (Coatings)	2.5 lbs OC/hr, 10.95 TPY, and 231 tons VOC/yr (Combined limit see Additional Special Terms and Condition's)	101.8 lbs OC/month, 0.61 TPY for cleanup operations (limit see Additional Special Terms and Condition's)
6.2 lbs OC/hr, 27.2 TPY, and 231 tons VOC/yr (Combined limit see Additional Special Terms and Condition's)	8 lbs OC/hr and 40 lbs OC/day when employing photochemically reactive materials (Coatings)	*	101.8 lbs OC/month, 0.61 TPY for cleanup operations (limit see Additional Special Terms and Condition's)	0.10 lbs (PE)/hr & 0.44 tons PE/yr
Additional	*	6.2 lbs OC/hr, 27.2 TPY, and 231 tons VOC/yr (Combined limit see Additional Special Terms and Condition's)	0.10 lbs (PE)/hr & 0.44 tons PE/yr	Opacity Restrictions (See Additional Special Terms and Condition's)
Special Terms and Condition's)	*			
20 lbs OC/hr, 87.6 TPY, and 231 tons VOC/yr (Combined limit see Additional Special Terms and Condition's)	20 lbs OC/hr, 87.6 TPY, and 231 tons VOC/yr (Combined limit see Additional Special Terms and Condition's)	101.8 lbs OC/month, 0.61 TPY for cleanup operations (limit see Additional Special Terms and Condition's)	Opacity Restrictions (See Additional Special Terms and Condition's)	8 lbs OC/hr and 40 lbs OC/day when employing photochemically reactive materials (Coatings)
101.8 lbs OC/month, 0.61 TPY for cleanup operations (limit see Additional Special Terms and Condition's)	Special Terms and Condition's)	0.92 lbs (PE)/hr & 4.03 tons PE/yr	8 lbs OC/hr and 40 lbs OC/day when employing photochemically reactive materials (Coatings)	*
101.8 lbs OC/month, 0.61 TPY for cleanup operations (limit see Additional Special Terms and Condition's)	101.8 lbs OC/month, 0.61 TPY for cleanup operations (limit see Additional Special Terms and Condition's)	Opacity Restrictions (See Additional Special Terms and Condition's)		*
Additional Special Terms and Condition's)	see Additional Special Terms and Condition's)	8 lbs OC/hr and 40 lbs OC/day when employing photochemically reactive materials (Coatings)	*	2.5 lbs OC/hr, 10.95 TPY, and 231 tons VOC/yr (Combined limit see Additional Special Terms and Condition's)
and Condition's)	Special Terms and Condition's)		*	
0.37 lbs (PE)/hr &	0.37 lbs (PE)/hr &	Opacity Restrictions (See Additional Special Terms and Condition's)	2.5 lbs OC/hr, 10.95	

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101.8 lbs OC/month, 0.61 TPY for cleanup operations (limit see Additional Special Terms and Condition's)	lbs OC/day when employing photochemically reactive materials (Coatings)	lbs OC/day when employing photochemically reactive materials (Coatings)	11.0 lbs OC/hr, 48.18 TPY, and 231 tons VOC/yr (Combined limit see Additional Special Terms and Condition's)	VOC/yr (Combined limit see Additional Special Terms and Condition's)
	*	*		203.7 lbs OC/month, 1.22 TPY for cleanup operations (limit see Additional Special Terms and Condition's)
Additional Special Terms and Condition's)	*	0.78 lbs OC/hr, 3.42 TPY, and 231 tons VOC/yr (Combined limit see Additional Special Terms and Condition's)	203.7 lbs OC/month, 1.22 TPY for cleanup operations (limit see Additional Special Terms and Condition's)	0.21 lbs (PE)/hr & 0.92 tons PE/yr
0.10 lbs (PE)/hr & 0.44 tons PE/yr	4.65 lbs OC/hr, 20.4 TPY, and 231 tons VOC/yr (Combined limit see Additional Special Terms and Condition's)	101.8 lbs OC/month, 0.61 TPY for cleanup operations (limit see Additional Special Terms and Condition's)	0.25 lbs (PE)/hr & 1.10 tons PE/yr	Opacity Restrictions (See Additional Special Terms and Condition's)
Opacity Restrictions (See Additional Special Terms and Condition's)	50.9 lbs OC/month, 0.31 TPY for cleanup operations (limit see Additional Special Terms and Condition's)	Opacity Restrictions (See Additional Special Terms and Condition's)	Opacity Restrictions (See Additional Special Terms and Condition's)	8 lbs OC/hr and 40 lbs OC/day when employing photochemically reactive materials (Coatings)
8 lbs OC/hr and 40	0.70 lbs (PE)/hr & 3.07 tons PE/yr	8 lbs OC/hr and 40 lbs OC/day when employing photochemically reactive materials (Coatings)	8 lbs OC/hr and 40 lbs OC/day when employing photochemically reactive materials (Coatings)	*
	Opacity Restrictions (See Additional Special Terms and Condition's)	*	*	*
	8 lbs OC/hr and 40	*	11.5 lbs OC/hr, 50.37 TPY, and 231 tons VOC/yr (Combined limit see Additional	11.5 lbs OC/hr, 50.37 TPY, and 231 tons VOC/yr (Combined limit see Additional

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Special Terms and Condition's)	8 lbs OC/hr and 40 lbs OC/day when employing photochemically reactive materials (Coatings)	lbs OC/day when employing photochemically reactive materials (Coatings)	TPY	
203.7 lbs OC/month, 1.22 TPY for cleanup operations (limit see Additional Special Terms and Condition's)	*	*		Control Requirements (See Additional Special Terms & Conditions)
203.7 lbs OC/month, 1.22 TPY for cleanup operations (limit see Additional Special Terms and Condition's)	*	0.602 lbs OC/hr, 2.64 TPY, and 231 tons VOC/yr (Combined limit see Additional Special Terms and Condition's)		665 lbs OC/month & 3.99 TPY
203.7 lbs OC/month, 1.22 TPY for cleanup operations (limit see Additional Special Terms and Condition's)	20 lbs OC/hr, 87.6 TPY, and 231 tons VOC/yr (Combined limit see Additional Special Terms and Condition's)	203.7 lbs OC/month, 1.22 TPY for cleanup operations (limit see Additional Special Terms and Condition's)		336.5 lbs VOC/month & 2.02 TPY
0.21 lbs (PE)/hr & 0.92 tons PE/yr	203.7 lbs OC/month, 1.22 TPY for cleanup operations (limit see Additional Special Terms and Condition's)	0.10 lbs (PE)/hr & 0.44 tons PE/yr		Control Requirements (See Additional Special Terms & Conditions)
Opacity Restrictions (See Additional Special Terms and Condition's)	0.37 lbs (PE)/hr & 1.62 tons PE/yr	8 lbs OC/hr and 40 lbs OC/day when employing photochemically reactive materials (Coatings)		
Opacity Restrictions (See Additional Special Terms and Condition's)	Opacity Restrictions (See Additional Special Terms and Condition's)	*		
Opacity Restrictions (See Additional Special Terms and Condition's)	Opacity Restrictions (See Additional Special Terms and Condition's)	*		
Opacity Restrictions (See Additional Special Terms and Condition's)	8 lbs OC/hr and 40 lbs OC/day when employing photochemically reactive materials (Coatings)	665 lbs OC/month & 3.99 TPY		

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- \* The emissions limit based on this applicable rule is less stringent than the limit established pursuant to OAC rule 3745-31-05.

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

<b>Pollutant</b>	<b>Tons/Year</b>
VOC	235
OC	257
PE	46.6

**REPORTING REQUIREMENTS**

Unless otherwise specified, reports required by the Permit to Install need only be submitted to **Ohio EPA Northwest District Office, 347 North Dunbridge Road, Bowling Green, Ohio 43402.**

**WASTE DISPOSAL**

The owner/operator shall comply with any applicable state and federal requirements governing the storage, treatment, transport and disposal of any waste material generated by the operation of the sources.

**MAINTENANCE OF EQUIPMENT**

This source and its associated air pollution control system(s) shall be maintained regularly in accordance with good engineering practices and the recommendations of the respective manufacturers in order to minimize air contaminant emissions.

**MALFUNCTION/ABATEMENT**

In accordance with OAC RULE 3745-15-06, any malfunction of the source(s) or associated air pollution control system(s) shall be reported immediately to the **Ohio EPA Northwest District Office, 347 North Dunbridge Road, Bowling Green, Ohio 43402.**

Except as provided by OAC Rule 3745-15-06(A)(3), scheduled maintenance of air pollution control equipment that requires the shutdown or bypassing of air pollution control system(s) must be accompanied by the shutdown

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of the associated air pollution sources.

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### **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.

### **BAT FOR COLD CLEANERS**

In accordance with OAC Rule 3745-21-09(0)(2), each owner or operator of a cold cleaner shall:

- a. equip the cold cleaner with either:
  1. a cover - if the solvent has a vapor pressure greater than 0.3 pound per square inch absolute measured at 100°F or the solvent is heated or agitated, the cover shall be signed and constructed so that it can be easily operated with one hand; or
  2. a remote solvent reservoir from which solvent is pumped through a nozzle suspended over a sink-like work area which drains back to the reservoir, provided a sink-like work area has an open drain area of less than 16 square inches and provided the solvent is neither heated above 120°F nor has a vapor pressure greater than 0.6 pound per square inch absolute, measured at 100°F;
- b. equip the cold cleaner with a device for draining the cleaned parts - if the solvent has a vapor pressure greater than 0.6 pound per square inch absolute measured at 100°F, the drainage facility shall be constructed internally so that parts are enclosed under the cover during draining, unless an internal type drainage device cannot fit into the cleaning system;
- c. install one of the following devices if the solvent vapor pressure is greater than 0.6 pound per square inch absolute measured at 100°F, or if the solvent is heated above 120°F;
  1. freeboard that gives a freeboard ratio greater than or equal to 0.7;
  2. water cover (solvent must be insoluble in and heavier than water); or
  3. other systems of equivalent control, such as refrigerated chiller or carbon adsorption, approved by the Director; and
- d. operate and maintain the cold cleaner in a manner which is consistent with good engineering practice and which minimizes solvent evaporation from the unit.

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**ADDITIONAL SPECIAL TERMS AND CONDITIONS**

**Introduction:**

The permittee has submitted a Permit to Install for the modification of all existing volatile organic compound (VOC)/organic compound (OC) emitting emissions units at the facility and for the installation of one new VOC/OC emitting emissions unit. The purpose of this PTI is two-fold; to correct emissions violations by establishing new limits and to establish the facilities potential to emit (PTE) at less than "major" status for PSD. Although the emissions units at the facility have existing PTI limits totaling 222.93 tons VOC/year, these PTI limits are not federally enforceable and the facility's current potential-to-emit is >250 tons VOC/year.

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

- 1. Coating material usage shall not result in an exceedance of the following emissions limitations and/or control requirements:
  - a. The permittee shall not employ more than 231 tons of VOC per rolling 365 day period based upon the daily VOC input rates to emissions unit R009, R011 through R0014, R028 through R032, R034 through R0044 and K001 combined.

\* Daily VOC input rate = ( C x D) where C= the number of gallons of each coating employed per day and D= the VOC content of each coating employed in pounds of VOC per gallon of coating materials being emitted. Daily VOC input rates are equivalent to daily VOC emission rates and are based upon 100% of the solvent in the coating materials being emitted.

To ensure federal enforceability during the first 12 calendar months of operation following the issuance of this permit, the permittee shall not exceed the input rates specified in the following table:

<b>Month</b>	1-12
1	
1-2	
1-3	
1-4	
1-5	
1-6	
1-7	
1-8	
1-9	
1-10	
1-11	

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**Maximum Allowable  
 Cumulative Input Rates of  
 VOC's (tons)**

19.58  
 39.16  
 58.74  
 78.32  
 97.90  
 117.48  
 137.06  
 156.64  
 176.22  
 195.80  
 215.38  
 231.0

After the first 12 calendar months of operation following the issuance of this permit, compliance with the annual input rate of 231.0 tons VOC per year shall be based upon a rolling, 365-day summation of the daily input rates.

2. Cleanup material usage shall not result in an exceedance of the following emission limitations and/or control requirements:
  - a. The combined OC emissions from cleanup material usage in emissions units R009, R011 through R014, R028 through R032, R034 through R044 and K001 shall not exceed 30000 lbs/month & 18 tons/yr.
3. Visible particulate emissions shall not exceed 0 percent opacity as a six minute average except as provided by rule.

**B. Operational Restrictions**

- a. This permit allows for the use of coatings and cleanup materials specified by the permittee in Permit to Install (PTI) application number 03-10757. In conjunction with best available technology (BAT) requirements of OAC 3745-31-05, the emission limits for these units were established in accordance with Ohio EPA's "Air Toxics Policy" and are based on both the coating and cleanup material formulation data and the design parameters of the emissions unit's exhaust system, as specified in the application. Compliance with the Ohio EPA's "Air Toxics Policy" was demonstrated for each pollutant based on the Screen 3

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Model & ISCST3 Model and a comparison of the predicted 1 hour maximum grounds level concentration to the MAGLC. The following summarizes the results of the modeling for each pollutant:

Pollutant	TLV (ug/m <sup>3</sup> )	Maximum Hourly Emission Rate (lbs/hr)	Predicated 1 hour Maximum Ground-level Concentration at Fence line (Ug/M <sup>3</sup> )	Maximum Acceptable Ground Level Concentration (MAGLC) (ug/m <sup>3</sup> )
Ethanol	1,880	0.65	6.82	44,762
Iso-Propanol (iso-Propyl Alcohol Anhydrous)	400	5.7	46.56	9,524
Acetone	1,187	36.93	455.8	28,265
Iso-Butyl Alcohol	152	11.33	106.65	3,619
Methyl Ethyl Ketone	590	6.23	53.27	14,048
Propylene Glycol Methyl Ether Acetate (Glycol Ether PM)	369	15.62	147.76	8,786
Methyl iso-Butyl Ketone	205	7.12	58.59	4,881
Iso-Propyl acetate	1,040	4.31	35.16	24,762
Toluene	188	21.22	193.65	4,476
Iso-Butyl Acetate	713	17.71	166.56	16,976
Triethylamine	4.10	6.88	39.95	97.60
Butyl Acetate (n-butyl acetate)	713	13.96	185.3	16,976
Xylene (Xylol)	434	4.92	44.58	10,333
VM & P	1,370	0.48	4.49	32,619
PM- Acetate	0.10	0.43	0.78	2.38
N-Propyl Alcohol	492	6.18	61.63	11,714

Any of the following changes may be deemed a "modification" to the emissions unit and, as such, prior notification to and approval from the appropriate Ohio EPA district office or local air agency are required, including the possible issuance of modifications to PTI number 03-10757:

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- a. Any change in the composition of the coatings or cleanup materials or use of new coatings or cleanup materials that would result in the emissions of a compound with a lower Threshold Limit Value (TLV), as indicated in the most recent version of the handbook entitled "American Conference of Governmental Industrial Hygienists (ACGIH)," than the lowest TLV value specified in the above table;
- b. Any change to an emissions unit or its exhaust parameters (e.g., increased emission rate, reduction of exhaust gas flow rate, and decreased stack height) that would result in an exceedance of the Maximum Acceptable Ground-Level Concentration (MAGLC) specified in the above table;
- c. Any change to the emissions unit or its method of operation that would either require an increase in the emission limitation (s) established by this permit or would otherwise be considered a "modification" as defined in OAC rule 3745-31-01; and,
- d. Any change in the composition of the coatings, or use of new coatings, that would result in the emission of any of the exempted organic compounds included in the definition of "VOC", as defined in OAC rule 3745-21-01, in emissions units R009, R011 through R014, R028 through R032, R0304 through R0044.

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2. The permittee shall not employ cleanup materials that are either a "photochemically reactive material" or a "volatile organic compound", as defined in OAC 3745-21-01, in Ohio EPA emissions units R009, R011 through R014, R0028 through R032, R0034 through R0044, and K001.
3. The permittee shall not place any part coated in Ohio EPA emissions units R009, R011 Through R014, R0028 through R032, R034 through R044 in an oven in which the coating, or solvent vapor from the coating, comes into contact with flame or is baked, heat-cured, or heat-polymerized, in the presence of oxygen. The determination of whether or not the coating is baked, heat-cured, or heat-polymerized is based on whether the coating will redissolve in the original solvent mixture.
4. The permittee shall not place any miscellaneous metal part coated in emission unit K001 in an oven that exceeds 200 degrees Fahrenheit.
5. Each coating employed in emissions units K001 shall comply with the VOC emisisions limitation of 3.5 lbs per gallon, minus water and exempt solvents.

**B. Monitoring and/or Record Keeping Requirements**

**The permittee shall maintain the following monitoring and/or record keeping requirements for coating material usage in emissions units R009, R011 through R014, R028 through R032, R034 through R044 on a daily basis for each emissions unit:**

1. On each day when all, or a portion of, the coatings employed in the emissions unit are PRMs, the permittee shall collect and record the following information:
  - a. the company identification for each coating employed;
  - b. documentation on whether or not each coating is a photochemically reactive material;
  - c. The number of gallons of each coating employed;
  - d. The organic compound content in pounds per gallon and the volatile organic compound content in pounds per gallon for each coating;
  - e. The organic compound emission rate for each coating in pounds per day;

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- f. The volatile organic compound emission rate for each coating in pounds per day;
- g. The total organic compound emission rate for all coatings in pounds per day  
[Summation of (e)];

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- h. The total volatile organic compound emission rate for all coatings in pounds per day [Summation of (f)];
    - i. The total number of hours the emissions unit was in operation; and,
    - j. The average hourly organic compound emission rate for all coatings, i.e., (g)/(i), in pounds per hour (average).
  2. On each day when all the coatings employed in the emissions unit are not PRMs, the permittee shall collect and record the following information:
    - a. The company identification for each coating employed;
    - b. Documentation on whether or not each coating is a photochemically reactive material;
    - c. The number of gallons of each coating employed;
    - d. The organic compound content in pounds per gallon and the volatile organic compound content in pounds per gallon for each coating;
    - e. The organic compound emission rate for each coating in pounds per day;
    - f. The volatile organic compound emissions rate for each coating in pounds per day;
    - g. The total organic compound emissions rate for all coatings in pounds per day [Summation of (e)];
    - h. The total volatile organic compound emission rate for all coatings in pounds per day [ [Summation of (f)].

**The permittee shall maintain the following monitoring and/or record keeping requirements for coating material usage in emissions unit K001 on a daily basis:**

3. When coating miscellaneous metal parts in emissions unit K001, the permittee shall collect and record the following information:
  - a. The name and identification number of each coating' as applied;
  - b. The VOC content of each coating, Excluding water and exempt solvents, on an as

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- applied basis;
- c. The number of gallons, excluding water and exempt solvents, of each coating employed;
  - d. The total VOC emissions from all coatings employed. In pounds per day; and,
  - e. The number of hours miscellaneous metal parts were coated.
4. On each day in which the permittee coats non-miscellaneous metal parts and all or a portion of, the coatings employed in the emissions unit are PRMs, the permittee shall collect and record the following information:
- a. The company identification for each coating employed;
  - b. Documentation on whether or not each coating is a photochemically reactive material;
  - c. The number of gallons of each coating employed;
  - d. The organic compound content and volatile organic compound content of each coating in pounds per gallon;
  - e. The organic compound emission rate for each coating in pounds per day;
  - f. The volatile organic compound emissions rate for each coating in pounds per day;
  - g. The total organic compound emissions rate for all coatings in pounds per day [sum of (e)];
  - h. The total volatile organic compound emission rate for all coatings in pounds per day [sum of (f)];
  - i. The number of hours the emissions unit was in operation, excluding periods when miscellaneous metal parts were being coated;
  - j. The average hourly organic compound emission rate for all coatings; i.e., (g)/(i), in pounds per hour (average); and,
  - k. The annual, year to date volatile organic compound emissions from all coatings

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employed [sum of (f) for each day to date].

5. On each day in which the permittee coats non-miscellaneous metal parts and all of the coatings employed in the emissions unit are not PRMs, the permittee shall collect and record the following information:
  - a. The company identification for each coating employed;
  - b. Documentation on whether or not each coating is a photochemically reactive material;
  - c. The number of gallons of each coating employed;
  - d. The organic compound content and volatile organic compound content of each coating in pounds per gallon;
  - e. The organic compound emission rate for each coating in pounds per day;
  - f. The volatile organic compound emission rate for each coating in pounds per day;
  - g. The total organic compound emission rate for all coatings in pounds per day [sum of (e)];
  - h. The total volatile organic compound emission rate for all coatings in pounds per day [sum of (f)]; and,
  - i. The number of hours non-miscellaneous metal parts were coated.
  
6. The permittee shall collect and record the following information each month for cleanup material usage in emission units L001 and L002:
  - a. The types of solvents employed in the cold cleaner;
  - b. The vapor pressure of each solvent, in pound per square inch absolute, measured at 100 degrees Fahrenheit;
  - c. The organic compound emission rate for each solvent in pounds/month;
  - d. The volatile organic compound emissions rate for each solvent in pounds/month;

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- e. The annual, year to date OC emissions from all cleanup material usage [sum of (c) for each emissions unit for each calendar month to date from January to December];
- f. The annual, year to date VOC emissions from all cleanup material usage [sum of (d) for each emissions unit for each calendar month to date from January to December].

**The following monitoring and/or record keeping requirements for cleanup material usage in emissions units R009, R0011 through R0014, R0028 through R032, and R034 through R044 shall be maintained on a combined emissions unit basis:**

7. The permittee shall collect and record the following information each month for combined cleanup material usage in emissions units R009, R011 through R014, R28 through R032, R034 through R0044, and K001:

- a. The name of identification of each cleanup material employed;
- b. Documentation that each cleanup material is not a photochemically reactive material or a volatile organic compound;
- c. The number of gallons of each cleanup material employed;
- d. The OC content of each cleanup material, in pounds per gallon;
- e. The total combined OC emission rate from all cleanup materials employed, in pounds per month [summation of (cxd)]; and,
- f. The total combined OC emission rate from all cleanup materials employed for the calendar year to date, in tons per year [summation of (e) for the calendar year to date].

Note: The permittee may also calculate the combined monthly OC emissions rate in accordance with the following formula if waste cleanup materials are sent off-site for reclamation/disposal:

Combined monthly OC emissions from cleanup operations = (total gallons of cleanup material used X solvent density) - (total gallons cleanup material sent off-site for disposal or reclamation [minus solids content of said material]) X solvent density.

**The permittee shall collect and record the following information each day for determining the combined VOC usage (input) rate from emissions units R009, R0011 through R014, R028 through R0032, R34 through R044, and K001:**

- 8. The permittee shall maintain daily records of the following information:
  - a. The total VOC usage (input) rate for all coatings, in pounds per day;

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- b. For the first 12 months of operation following the issuance of this permit, the cumulative monthly usage (input) rate of VOC, in tons per month;
  - c. After the first 12 months of operation following the issuance of this permit, the annual usage (input) rate of VOC based upon a rolling 365 day summation of the daily usage (input) rates.
9. 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 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 quarterly deviation (excursion) reports which include the following information for emissions units R009, R011 through R014, R0028 through R032, R034 through R0044 and K001 (when coating non-miscellaneous metal parts) on days in which any portion of the coatings used are photochemically reactive materials.
  - a. An identification of each day during which the average hourly controlled OC emissions from the coatings exceeded 8 pounds per hour, and the actual average hourly controlled OC emissions for each such day.
  - b. An identification of each day during which the controlled OC emissions from the coatings exceeded 40 pounds per day, and the actual controlled OC emissions for each such day.

If no exceedances have occurred, a letter stating that fact shall still be submitted. These reports shall be submitted by January 30, April 30, July 30, and October 30 of each year.

2. The permittee shall notify the Director (Ohio EPA Northwest District Office) in writing of any monthly record showing the use of noncomplying coatings in emissions unit K001 during periods in which the permittee coats miscellaneous metal parts and coatings are subject to a 3.5 pounds VOC minus water and exempt solvents emissions limitation. The notification shall include a copy of such record and shall be sent to the Director (Ohio EPA Northwest District Office) within 30 days following the end of the calendar month.

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3. The actual annual VOC emissions data for emissions units R009, R011 through R014, R028 through R032, R034 through R044 and K001 shall be reported pursuant to the fee emissions report required by OAC 3745-78-02 (A).
4. The permittee shall submit quarterly written reports for emissions units R009, R011 through R14, R028 through R032, R034 through R0044, K001 and L001 through L002 of (a) any deviations (excursions) from emission limitations, operational restrictions, and control device operating parameter limitations, excluding deviations resulting from malfunctions reported in accordance with OAC rule 3745-15-06, 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 taken, shall be promptly made to Ohio EPA Northwest District Office. 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.

**E. Testing Requirements**

Compliance with the emissions limitations in this permit to install shall be determined in accordance with the following methods:

**1. R028 - Paint Booth A-1**

- a. Emission Limitation: 10.36 lbs OC/hr & 45.4 TPY

Applicable Compliance Method: The hourly and annual OC emission limitations are based on the emissions units potential to emit. Therefore, no hourly or annual

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recordkeeping, deviation reporting, or compliance method calculations are required to demonstrate compliance with these limitations.

- b. Emission Limitations: 8 lbs OC/hr & 40 lbs OC/day

Applicable Compliance Methods: Compliance shall be determined based upon the recordkeeping requirements specified in section C.1.

- c. Emission Limitation: 101.8 lbs OC/month & 0.61 OC TPY

Applicable Compliance Method: The monthly and annual OC emission limitations are based on the emission units potential to emit. Therefore, no monthly or annual recordkeeping, deviation reporting, or compliance method calculations are required to demonstrate compliance with these limitations.

- d. Emission Limitation: 3000 lbs OC/month & 18.0 tons OC/yr for emission units R009, R011 through R014, R028 through R032, R034 through R044, and K001 cleanup operations

Applicable Compliance Method: Compliance shall be determined based upon the recordkeeping requirements specified in section C.7.

- e. Emission Limitation: 1.56 lbs PE/hr & 6.83 TPY\*\*

Applicable Compliance Method: Compliance shall be determined using test procedures specified in 40 CFR Part 60, Appendix A.

$$E = (\text{maximum coating solids usage rate in pounds per hour}) * (1 - TE) * (1 - CE)$$

$$E = \text{Particulate emissions rate (lbs/hr)}$$

TE = Transfer efficiency, which is the ratio of the amount of coating solids deposited on the coated part to the amount of coating solids used

CE = Control efficiency of the control equipment

\*\* tons PE/yr should be determined using the above calculated PE emissions (lbs/hr) and the actual operating hours for the emissions unit.

- f. Emission Limitation: 0% opacity limitation

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Applicable Compliance Method: Compliance with the visible emissions limitations shall be determined in accordance with the test method 40 CFR 60, Appendix A-Method 9.

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- g. Emission Limitation: 231 tons VOC/rolling 365 days

Applicable Compliance Method: Compliance shall be determined based upon recordkeeping requirements specified in section C.8.

2. **R029 - Paint Booth A-2**

- a. Emission Limitation: 14.65 lbs OC/hr & 20.4 TPY

Applicable Compliance Method: The hourly and annual OC emission limitations are based on the emissions units potential to emit. Therefore, no hourly or annual recordkeeping, deviation reporting, or compliance method calculations are required to demonstrate compliance with these limitations.

- b. Emission Limitations: 8 lbs OC/hr & 40 lbs OC/day

Applicable Compliance Methods: Compliance shall be determined based upon the recordkeeping requirements specified in section C.1.

- c. Emission Limitation: 101.8 lbs OC/month & 0.61 OC TPY

Applicable Compliance Method: The monthly and annual OC emission limitations are based on the emission units potential to emit. Therefore, no monthly or annual recordkeeping, deviation reporting, or compliance method calculations are required to demonstrate compliance with these limitations.

- d. Emission Limitation: 3000 lbs OC/month & 18.0 tons OC/yr for emission units R009, R011 through R014, R028 through R032, R034 through R044, and K001 cleanup operations

Applicable Compliance Method: Compliance shall be determined based upon the recordkeeping requirements specified in section C.7.

- e. Emission Limitation: 0.70 lbs PE/hr & 3.07 PE TPY\*\*

Applicable Compliance Method: Compliance shall be determined using test procedures specified in 40 CFR Part 60, Appendix A.

$$E = (\text{maximum coating solids usage rate in pounds per hour}) * (1 - TE) * (1 - CE)$$

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E = Particulate emissions rate (lbs/hr)

TE = Transfer efficiency, which is the ratio of the amount of coating solids deposited on the coated part to the amount of coating solids used

CE = Control efficiency of the control equipment

\*\* tons PE/yr should be determined using the above calculated PE emissions (lbs/hr) and the actual operating hours for the emissions unit.

- f. Emission Limitation: 0% opacity limitation

Applicable Compliance Method: Compliance with the visible emissions limitations shall be determined in accordance with the test method 40 CFR 60, Appendix A-Method 9.

- g. Emission Limitation: 231 tons VOC/rolling 365 days

Applicable Compliance Method: Compliance shall be determined based upon recordkeeping requirements specified in section C.8.

**3. R030 - Paint Booth A-3**

- a. Emission Limitation: 7.53 lbs OC/hr & 32.98 TPY

Applicable Compliance Method: The hourly and annual OC emission limitations are based on the emissions units potential to emit. Therefore, no hourly or annual recordkeeping, deviation reporting, or compliance method calculations are required to demonstrate compliance with these limitations.

- b. Emission Limitations: 8 lbs OC/hr & 40 lbs OC/day

Applicable Compliance Methods: Compliance shall be determined based upon the recordkeeping requirements specified in section C.1.

- c. Emission Limitation: 101.8 lbs OC/month & 0.61 OC TPY

Applicable Compliance Method: The monthly and annual OC emission limitations are based on the emission units potential to emit. Therefore, no monthly or annual recordkeeping, deviation reporting, or compliance method calculations are required

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to demonstrate compliance with these limitations.

- d. Emission Limitation: 3000 lbs OC/month & 18.0 tons OC/yr for emission units R009, R011 through R014, R028 through R032, R034 through R044, and K001 cleanup operations

Applicable Compliance Method: Compliance shall be determined based upon the recordkeeping requirements specified in section C.7.

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- e. Emission Limitation: 1.34 lbs PE/hr & 5.87 TPY\*\*

Applicable Compliance Method: Compliance shall be determined using test procedures specified in 40 CFR Part 60, Appendix A.

$$E = (\text{maximum coating solids usage rate in pounds per hour}) * (1 - TE) * (1 - CE)$$

E = Particulate emissions rate (lbs/hr)

TE = Transfer efficiency, which is the ratio of the amount of coating solids deposited on the coated part to the amount of coating solids used

CE = Control efficiency of the control equipment

\*\* tons PE/yr should be determined using the above calculated PE emissions (lbs/hr) and the actual operating hours for the emissions unit.

- f. Emission Limitation: 0% opacity limitation

Applicable Compliance Method: Compliance with the visible emissions limitations shall be determined in accordance with the test method 40 CFR 60, Appendix A-Method 9.

- g. Emission Limitation: 231 tons VOC/rolling 365 days

Applicable Compliance Method: Compliance shall be determined based upon recordkeeping requirements specified in section C.8.

**4. R031 - Paint Booth A-4**

- a. Emission Limitation: 4.65 lbs OC/hr & 20.4 TPY

Applicable Compliance Method: The hourly and annual OC emission limitations are based on the emissions units potential to emit. Therefore, no hourly or annual recordkeeping, deviation reporting, or compliance method calculations are required to demonstrate compliance with these limitations.

- b. Emission Limitations: 8 lbs OC/hr & 40 lbs OC/day

Applicable Compliance Methods: Compliance shall be determined based upon the

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recordkeeping requirements specified in section C.1.

- c. Emission Limitation: 101.8 lbs OC/month & 0.61 OC TPY

Applicable Compliance Method: The monthly and annual OC emission limitations are based on the emission units potential to emit. Therefore, no monthly or annual recordkeeping, deviation reporting, or compliance method calculations are required to demonstrate compliance with these limitations.

- d. Emission Limitation: 3000 lbs OC/month & 18.0 tons OC/yr for emission units R009, R011 through R014, R028 through R032, R034 through R044, and K001 cleanup operations

Applicable Compliance Method: Compliance shall be determined based upon the recordkeeping requirements specified in section C.7.

- e. Emission Limitation: 0.70 lbs PE/hr & 3.07 PE TPY\*\*

Applicable Compliance Method: Compliance shall be determined using test procedures specified in 40 CFR Part 60, Appendix A.

$$E = (\text{maximum coating solids usage rate in pounds per hour}) * (1 - TE) * (1 - CE)$$

$$E = \text{Particulate emissions rate (lbs/hr)}$$

TE = Transfer efficiency, which is the ratio of the amount of coating solids deposited on the coated part to the amount of coating solids used

CE = Control efficiency of the control equipment

\*\* tons PE/yr should be determined using the above calculated PE emissions (lbs/hr) and the actual operating hours for the emissions unit.

- f. Emission Limitation: 0% opacity limitation

Applicable Compliance Method: Compliance with the visible emissions limitations shall be determined in accordance with the test method 40 CFR 60, Appendix A-Method 9.

- g. Emission Limitation: 231 tons VOC/rolling 365 days

Applicable Compliance Method: Compliance shall be determined based upon recordkeeping requirements specified in section C.8.

5. **R032 - Paint Booth A-5**

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- a. Emission Limitation: 7.53 lbs OC/hr & 32.98 TPY

Applicable Compliance Method: The hourly and annual OC emission limitations are based on the emissions units potential to emit. Therefore, no hourly or annual recordkeeping, deviation reporting, or compliance method calculations are required to demonstrate compliance with these limitations.

- b. Emission Limitations: 8 lbs OC/hr & 40 lbs OC/day

Applicable Compliance Methods: Compliance shall be determined based upon the recordkeeping requirements specified in section C.1.

- c. Emission Limitation: 101.8 lbs OC/month & 0.61 OC TPY

Applicable Compliance Method: The monthly and annual OC emission limitations are based on the emission units potential to emit. Therefore, no monthly or annual recordkeeping, deviation reporting, or compliance method calculations are required to demonstrate compliance with these limitations.

- d. Emission Limitation: 3000 lbs OC/month & 18.0 tons OC/yr for emission units R009, R011 through R014, R028 through R032, R034 through R044, and K001 cleanup operations

Applicable Compliance Method: Compliance shall be determined based upon the recordkeeping requirements specified in section C.7.

- e. Emission Limitation: 1.34 lbs PE/hr & 5.87 PE TPY\*\*

Applicable Compliance Method: Compliance shall be determined using test procedures specified in 40 CFR Part 60, Appendix A.

$$E = (\text{maximum coating solids usage rate in pounds per hour}) * (1 - TE) * (1 - CE)$$

$$E = \text{Particulate emissions rate (lbs/hr)}$$

TE = Transfer efficiency, which is the ratio of the amount of coating solids deposited on the coated part to the amount of coating solids used

CE = Control efficiency of the control equipment

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\*\* tons PE/yr should be determined using the above calculated PE emissions (lbs/hr) and the actual operating hours for the emissions unit.

- f. Emission Limitation: 0% opacity limitation

Applicable Compliance Method: Compliance with the visible emissions limitations shall be determined in accordance with the test method 40 CFR 60, Appendix A-Method 9.

- g. Emission Limitation: 231 tons VOC/rolling 365 days

Applicable Compliance Method: Compliance shall be determined based upon recordkeeping requirements specified in section C.8.

**6. K001 - Paint Booth A-6**

- a. Emission Limitation: 3.5 lbs VOC per gallon minus water and exempt solvents

Applicable Compliance Method: Compliance shall be based upon the recordkeeping requirements specified in section C.3. of this permit. Formulation data or ISOPIA method 24 may be used to determine the VOC content of the coatings.

- b. Emission Limitations: 12.3 lbs OC/hr & 53.8 TPY

Applicable Compliance Methods: The hourly and annual OC emission limitations are based on the emission units potential to emit. Therefore, no hourly or annual recordkeeping, deviation reporting, or compliance method calculations are required to demonstrate compliance with these limitations.

- c. Emission Limitation: 8 lbs OC/hr & 40 lbs OC/day

Applicable Compliance Method: Compliance shall be determined based upon the recordkeeping requirements specified in section C.1.

- d. Emission Limitation: 101.8 lbs OC/month & 0.61 TPY

Applicable Compliance Method: The monthly and annual OC emission limitations are based on the emission units potential to emit. Therefore, no monthly or annual recordkeeping, deviation reporting, or compliance method calculations are required to demonstrate compliance with these limitations.

- e. Emission Limitation: 3000 lbs OC/month & 18.0 tons OC/yr from emission units R009, R011 through R014, R028 through R032, R034 through R044, and K001 Cleanup operations

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Applicable Compliance Method: Compliance shall be determined based upon the recordkeeping requirements specified in section C.7.

- f. Emission Limitation: 0.54 lbs PE/hr & 2.37 PE TPY\*\*

Applicable Compliance Method: Compliance shall be determined using test procedures specified in 40 CFR Part 60, Appendix A.

$$E = (\text{maximum coating solids usage rate in pounds per hour}) * (1 - TE) * (1 - CE)$$

$$E = \text{Particulate emissions rate (lbs/hr)}$$

TE = Transfer efficiency, which is the ratio of the amount of coating solids deposited on the coated part to the amount of coating solids used

CE = Control efficiency of the control equipment

\*\* tons PE/yr should be determined using the above calculated PE emissions (lbs/hr) and the actual operating hours for the emissions unit.

- g. Emission Limitation: 0% opacity limitation

Applicable Compliance Method: Compliance with the visible emissions limitations shall be determined in accordance with the test method 40 CFR 60, Appendix A-Method 9.

- h. Emission Limitation: 231 tons VOC/rolling 365 days

Applicable Compliance Method: Compliance shall be determined based upon recordkeeping requirements specified in section C.8.

**7. R036 - Paint Booth B-1**

- a. Emission Limitation: 4.52 lbs OC/hr & 19.8 TPY

Applicable Compliance Method: The hourly and annual OC emission limitations are based on the emissions units potential to emit. Therefore, no hourly or annual recordkeeping, deviation reporting, or compliance method calculations are required to demonstrate compliance with these limitations.

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- b. Emission Limitations: 8 lbs OC/hr & 40 lbs OC/day

Applicable Compliance Methods: Compliance shall be determined based upon the recordkeeping requirements specified in section C.1.

- c. Emission Limitation: 203.7 lbs OC/month & 1.22 TPY

Applicable Compliance Method: The monthly and annual OC emission limitations are based on the emission units potential to emit. Therefore, no monthly or annual recordkeeping, deviation reporting, or compliance method calculations are required to demonstrate compliance with these limitations.

- d. Emission Limitation: 3000 lbs OC/month & 18.0 tons OC/yr for emission units R009, R011 through R014, R028 through R032, R034 through R044, and K001 cleanup operations

Applicable Compliance Method: Compliance shall be determined based upon the recordkeeping requirements specified in section C.7.

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- e. Emission Limitation: 0.10 lbs PE/hr & 0.44 PE TPY\*\*

Applicable Compliance Method: Compliance shall be determined using test procedures specified in 40 CFR Part 60, Appendix A.

$$E = (\text{maximum coating solids usage rate in pounds per hour}) * (1 - TE) * (1 - CE)$$

E = Particulate emissions rate (lbs/hr)

TE = Transfer efficiency, which is the ratio of the amount of coating solids deposited on the coated part to the amount of coating solids used

CE = Control efficiency of the control equipment

\*\* tons PE/yr should be determined using the above calculated PE emissions (lbs/hr) and the actual operating hours for the emissions unit.

- f. Emission Limitation: 0% opacity limitation

Applicable Compliance Method: Compliance with the visible emissions limitations shall be determined in accordance with the test method 40 CFR 60, Appendix A-Method 9.

- g. Emission Limitation: 231 tons VOC/rolling 365 days

Applicable Compliance Method: Compliance shall be determined based upon recordkeeping requirements specified in section C.8.

**8. R037 - Paint Booth B-2**

- a. Emission Limitation: 6.02 lbs OC/hr & 26.2 TPY

Applicable Compliance Method: The hourly and annual OC emission limitations are based on the emissions units potential to emit. Therefore, no hourly or annual recordkeeping, deviation reporting, or compliance method calculations are required to demonstrate compliance with these limitations.

- b. Emission Limitations: 8 lbs OC/hr & 40 lbs OC/day

Applicable Compliance Methods: Compliance shall be determined based upon the

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recordkeeping requirements specified in section C.1.

- c. Emission Limitation: 203.7 lbs OC/month & 1.22 OC TPY

Applicable Compliance Method: The monthly and annual OC emission limitations are based on the emission units potential to emit. Therefore, no monthly or annual recordkeeping, deviation reporting, or compliance method calculations are required to demonstrate compliance with these limitations.

- d. Emission Limitation: 3000 lbs OC/month & 18.0 tons OC/yr for emission units R009, R011 through R014, R028 through R032, R034 through R044, and K001 cleanup operations

Applicable Compliance Method: Compliance shall be determined based upon the recordkeeping requirements specified in section C.7.

- e. Emission Limitation: 0.92 lbs PE/hr & 4.03 PE TPY\*\*

Applicable Compliance Method: Compliance shall be determined using test procedures specified in 40 CFR Part 60, Appendix A.

$$E = (\text{maximum coating solids usage rate in pounds per hour}) * (1 - TE) * (1 - CE)$$

$$E = \text{Particulate emissions rate (lbs/hr)}$$

TE = Transfer efficiency, which is the ratio of the amount of coating solids deposited on the coated part to the amount of coating solids used

CE = Control efficiency of the control equipment

\*\* tons PE/yr should be determined using the above calculated PE emissions (lbs/hr) and the actual operating hours for the emissions unit.

- f. Emission Limitation: 0% opacity limitation

Applicable Compliance Method: Compliance with the visible emissions limitations shall be determined in accordance with the test method 40 CFR 60, Appendix A-Method 9.

- g. Emission Limitation: 231 tons VOC/rolling 365 days

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Applicable Compliance Method: Compliance shall be determined based upon recordkeeping requirements specified in section C.8.

9. **R038 - Paint Booth B-3**

- a. Emission Limitation: 6.02 lbs OC/hr & 26.4 TPY

Applicable Compliance Method: The hourly and annual OC emission limitations are based on the emissions units potential to emit. Therefore, no hourly or annual recordkeeping, deviation reporting, or compliance method calculations are required to demonstrate compliance with these limitations.

- b. Emission Limitations: 8 lbs OC/hr & 40 lbs OC/day

Applicable Compliance Methods: Compliance shall be determined based upon the recordkeeping requirements specified in section C.1.

- c. Emission Limitation: 203.7 lbs OC/month & 1.22 TPY

Applicable Compliance Method: The monthly and annual OC emission limitations are based on the emission units potential to emit. Therefore, no monthly or annual recordkeeping, deviation reporting, or compliance method calculations are required to demonstrate compliance with these limitations.

- d. Emission Limitation: 3000 lbs OC/month & 18.0 tons OC/yr for emission units R009, R011 through R014, R028 through R032, R034 through R044, and K001 cleanup operations

Applicable Compliance Method: Compliance shall be determined based upon the recordkeeping requirements specified in section C.7.

- e. Emission Limitation: 0.10 lbs PE/hr & 0.44 PE TPY\*\*

Applicable Compliance Method: Compliance shall be determined using test procedures specified in 40 CFR Part 60, Appendix A.

$$E = (\text{maximum coating solids usage rate in pounds per hour}) * (1 - TE) * (1 - CE)$$

$$E = \text{Particulate emissions rate (lbs/hr)}$$

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TE = Transfer efficiency, which is the ratio of the amount of coating solids deposited on the coated part to the amount of coating solids used

CE = Control efficiency of the control equipment

\*\* tons PE/yr should be determined using the above calculated PE emissions (lbs/hr) and the actual operating hours for the emissions unit.

- f. Emission Limitation: 0% opacity limitation

Applicable Compliance Method: Compliance with the visible emissions limitations shall be determined in accordance with the test method 40 CFR 60, Appendix A-Method 9.

- g. Emission Limitation: 231 tons VOC/rolling 365 days

Applicable Compliance Method: Compliance shall be determined based upon recordkeeping requirements specified in section C.8.

**10. R009 - Paint Booth C-1**

- a. Emission Limitation: 6.20 lbs OC/hr & 27.2 TPY

Applicable Compliance Method: The hourly and annual OC emission limitations are based on the emissions units potential to emit. Therefore, no hourly or annual recordkeeping, deviation reporting, or compliance method calculations are required to demonstrate compliance with these limitations.

- b. Emission Limitations: 8 lbs OC/hr & 40 lbs OC/day

Applicable Compliance Methods: Compliance shall be determined based upon the recordkeeping requirements specified in section C.1.

- c. Emission Limitation: 101.8 lbs OC/month & 0.61 OC TPY

Applicable Compliance Method: The monthly and annual OC emission limitations are based on the emission units potential to emit. Therefore, no monthly or annual recordkeeping, deviation reporting, or compliance method calculations are required to demonstrate compliance with these limitations.

- d. Emission Limitation: 3000 lbs OC/month & 18.0 tons OC/yr for emission units R009, R011 through R014, R028 through R032, R034 through R044, and K001 cleanup operations

Applicable Compliance Method: Compliance shall be determined based upon the

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recordkeeping requirements specified in section C.7.

- e. Emission Limitation: 0.92 lbs PE/hr & 4.03 PE TPY\*\*

Applicable Compliance Method: Compliance shall be determined using test procedures specified in 40 CFR Part 60, Appendix A.

$$E = (\text{maximum coating solids usage rate in pounds per hour}) * (1 - TE) * (1 - CE)$$

$$E = \text{Particulate emissions rate (lbs/hr)}$$

TE = Transfer efficiency, which is the ratio of the amount of coating solids deposited on the coated part to the amount of coating solids used

CE = Control efficiency of the control equipment

\*\* tons PE/yr should be determined using the above calculated PE emissions (lbs/hr) and the actual operating hours for the emissions unit.

- f. Emission Limitation: 0% opacity limitation

Applicable Compliance Method: Compliance with the visible emissions limitations shall be determined in accordance with the test method 40 CFR 60, Appendix A-Method 9.

- g. Emission Limitation: 231 tons VOC/rolling 365 days

Applicable Compliance Method: Compliance shall be determined based upon recordkeeping requirements specified in section C.8.

#### 11. R034 - Paint Booth C-3

- a. Emission Limitation: 20.0 lbs OC/hr & 87.6 TPY

Applicable Compliance Method: The hourly and annual OC emission limitations are based on the emissions units potential to emit. Therefore, no hourly or annual recordkeeping, deviation reporting, or compliance method calculations are required to demonstrate compliance with these limitations.

- b. Emission Limitations: 8 lbs OC/hr & 40 lbs OC/day

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Applicable Compliance Methods: Compliance shall be determined based upon the recordkeeping requirements specified in section C.1.

- c. Emission Limitation: 101.8 lbs OC/month & 0.61 OC TPY

Applicable Compliance Method: The monthly and annual OC emission limitations are based on the emission units potential to emit. Therefore, no monthly or annual recordkeeping, deviation reporting, or compliance method calculations are required to demonstrate compliance with these limitations.

- d. Emission Limitation: 3000 lbs OC/month & 18.0 tons OC/yr for emission units R009, R011 through R014, R028 through R032, R034 through R044, and K001 cleanup operations

Applicable Compliance Method: Compliance shall be determined based upon the recordkeeping requirements specified in section C.7.

- e. Emission Limitation: 0.37 lbs PE/hr & 1.62 PE TPY\*\*

Applicable Compliance Method: Compliance shall be determined using test procedures specified in 40 CFR Part 60, Appendix A.

$$E = (\text{maximum coating solids usage rate in pounds per hour}) * (1 - TE) * (1 - CE)$$

$$E = \text{Particulate emissions rate (lbs/hr)}$$

TE = Transfer efficiency, which is the ratio of the amount of coating solids deposited on the coated part to the amount of coating solids used

CE = Control efficiency of the control equipment

\*\* tons PE/yr should be determined using the above calculated PE emissions (lbs/hr) and the actual operating hours for the emissions unit.

- f. Emission Limitation: 0% opacity limitation

Applicable Compliance Method: Compliance with the visible emissions limitations shall be determined in accordance with the test method 40 CFR 60, Appendix A-Method 9.

- g. Emission Limitation: 231 tons VOC/rolling 365 days

Applicable Compliance Method: Compliance shall be determined based upon recordkeeping requirements specified in section C.8.

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**12. R035 - Paint Booth C-4**

- a. Emission Limitation: 6.20 lbs OC/hr & 27.2 TPY

Applicable Compliance Method: The hourly and annual OC emission limitations are based on the emissions units potential to emit. Therefore, no hourly or annual recordkeeping, deviation reporting, or compliance method calculations are required to demonstrate compliance with these limitations.

- b. Emission Limitations: 8 lbs OC/hr & 40 lbs OC/day

Applicable Compliance Methods: Compliance shall be determined based upon the recordkeeping requirements specified in section C.1.

- c. Emission Limitation: 50.9 lbs OC/month & 0.31 TPY

Applicable Compliance Method: The monthly and annual OC emission limitations are based on the emission units potential to emit. Therefore, no monthly or annual recordkeeping, deviation reporting, or compliance method calculations are required to demonstrate compliance with these limitations.

- d. Emission Limitation: 3000 lbs OC/month & 18.0 tons OC/yr for emission units R009, R011 through R014, R028 through R032, R034 through R044, and K001 cleanup operations

Applicable Compliance Method: Compliance shall be determined based upon the recordkeeping requirements specified in section C.7.

- e. Emission Limitation: 0.92 lbs PE/hr & 4.03 PE TPY\*\*

Applicable Compliance Method: Compliance shall be determined using test procedures specified in 40 CFR Part 60, Appendix A.

$$E = (\text{maximum coating solids usage rate in pounds per hour}) * (1 - TE) * (1 - CE)$$

$$E = \text{Particulate emissions rate (lbs/hr)}$$

TE = Transfer efficiency, which is the ratio of the amount of coating solids deposited on the coated part to the amount of coating solids used

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CE = Control efficiency of the control equipment

\*\* tons PE/yr should be determined using the above calculated PE emissions (lbs/hr) and the actual operating hours for the emissions unit.

- f. Emission Limitation: 0% opacity limitation

Applicable Compliance Method: Compliance with the visible emissions limitations shall be determined in accordance with the test method 40 CFR 60, Appendix A-Method 9.

**13. R011 - Paint Booth C-5**

- a. Emission Limitation: 2.50 lbs OC/hr & 10.95 TPY

Applicable Compliance Method: The hourly and annual OC emission limitations are based on the emissions units potential to emit. Therefore, no hourly or annual recordkeeping, deviation reporting, or compliance method calculations are required to demonstrate compliance with these limitations.

- b. Emission Limitations: 8 lbs OC/hr & 40 lbs OC/day

Applicable Compliance Methods: Compliance shall be determined based upon the recordkeeping requirements specified in section C.1.

- c. Emission Limitation: 101.8 lbs OC/month & 0.61 OC TPY

Applicable Compliance Method: The monthly and annual OC emission limitations are based on the emission units potential to emit. Therefore, no monthly or annual recordkeeping, deviation reporting, or compliance method calculations are required to demonstrate compliance with these limitations.

- d. Emission Limitation: 3000 lbs OC/month & 18.0 tons OC/yr for emission units R009, R011 through R014, R028 through R032, R034 through R044, and K001 cleanup operations

Applicable Compliance Method: Compliance shall be determined based upon the recordkeeping requirements specified in section C.7.

- e. Emission Limitation: 0.10 lbs PE/hr & 0.44 PE TPY\*\*

Applicable Compliance Method: Compliance shall be determined using test procedures specified in 40 CFR Part 60, Appendix A.

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$$E = (\text{maximum coating solids usage rate in pounds per hour}) * (1 - TE) * (1 - CE)$$

E = Particulate emissions rate (lbs/hr)

TE = Transfer efficiency, which is the ratio of the amount of coating solids deposited on the coated part to the amount of coating solids used

CE = Control efficiency of the control equipment

\*\* tons PE/yr should be determined using the above calculated PE emissions (lbs/hr) and the actual operating hours for the emissions unit.

- f. Emission Limitation: 0% opacity limitation

Applicable Compliance Method: Compliance with the visible emissions limitations shall be determined in accordance with the test method 40 CFR 60, Appendix A-Method 9.

- g. Emission Limitation: 231 tons VOC/rolling 365 days

Applicable Compliance Method: Compliance shall be determined based upon recordkeeping requirements specified in section C.8.

**14. R012 - Paint Booth C-6**

- a. Emission Limitation: 2.50 lbs OC/hr & 10.95 TPY

Applicable Compliance Method: The hourly and annual OC emission limitations are based on the emissions units potential to emit. Therefore, no hourly or annual recordkeeping, deviation reporting, or compliance method calculations are required to demonstrate compliance with these limitations.

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- b. Emission Limitations: 8 lbs OC/hr & 40 lbs OC/day

Applicable Compliance Methods: Compliance shall be determined based upon the recordkeeping requirements specified in section C.1.

- c. Emission Limitation: 101.8 lbs OC/month & 0.61 OC TPY

Applicable Compliance Method: The monthly and annual OC emission limitations are based on the emission units potential to emit. Therefore, no monthly or annual recordkeeping, deviation reporting, or compliance method calculations are required to demonstrate compliance with these limitations.

- d. Emission Limitation: 3000 lbs OC/month & 18.0 tons OC/yr for emission units R009, R011 through R014, R028 through R032, R034 through R044, and K001 cleanup operations

Applicable Compliance Method: Compliance shall be determined based upon the recordkeeping requirements specified in section C.7.

- e. Emission Limitation: 0.10 lbs PE/hr & 0.44 PE TPY\*\*

Applicable Compliance Method: Compliance shall be determined using test procedures specified in 40 CFR Part 60, Appendix A.

$$E = (\text{maximum coating solids usage rate in pounds per hour}) * (1 - TE) * (1 - CE)$$

$$E = \text{Particulate emissions rate (lbs/hr)}$$

TE = Transfer efficiency, which is the ratio of the amount of coating solids deposited on the coated part to the amount of coating solids used

CE = Control efficiency of the control equipment

\*\* tons PE/yr should be determined using the above calculated PE emissions (lbs/hr) and the actual operating hours for the emissions unit.

- f. Emission Limitation: 0% opacity limitation

Applicable Compliance Method: Compliance with the visible emissions limitations shall be determined in accordance with the test method 40 CFR 60, Appendix

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- g. Emission Limitation: 231 tons VOC/rolling 365 days

Applicable Compliance Method: Compliance shall be determined based upon recordkeeping requirements specified in section C.8.

**15. R013 - Paint Booth C-7**

- a. Emission Limitation: 2.50 lbs OC/hr & 10.95 TPY

Applicable Compliance Method: The hourly and annual OC emission limitations are based on the emissions units potential to emit. Therefore, no hourly or annual recordkeeping, deviation reporting, or compliance method calculations are required to demonstrate compliance with these limitations.

- b. Emission Limitations: 8 lbs OC/hr & 40 lbs OC/day

Applicable Compliance Methods: Compliance shall be determined based upon the recordkeeping requirements specified in section C.1.

- c. Emission Limitation: 101.8 lbs OC/month & 0.61 OC TPY

Applicable Compliance Method: The monthly and annual OC emission limitations are based on the emission units potential to emit. Therefore, no monthly or annual recordkeeping, deviation reporting, or compliance method calculations are required to demonstrate compliance with these limitations.

- d. Emission Limitation: 3000 lbs OC/month & 18.0 tons OC/yr for emission units R009, R011 through R014, R028 through R032, R034 through R044, and K001 cleanup operations

Applicable Compliance Method: Compliance shall be determined based upon the recordkeeping requirements specified in section C.7.

- e. Emission Limitation: 0.10 lbs PE/hr & 0.44 PE TPY\*\*

Applicable Compliance Method: Compliance shall be determined using test procedures specified in 40 CFR Part 60, Appendix A.

$$E = (\text{maximum coating solids usage rate in pounds per hour}) * (1 - TE) * (1 - CE)$$

$$E = \text{Particulate emissions rate (lbs/hr)}$$

TE = Transfer efficiency, which is the ratio of the amount of coating solids deposited on the coated part to the amount of coating solids used

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CE = Control efficiency of the control equipment

\*\* tons PE/yr should be determined using the above calculated PE emissions (lbs/hr) and the actual operating hours for the emissions unit.

- f. Emission Limitation: 0% opacity limitation

Applicable Compliance Method: Compliance with the visible emissions limitations shall be determined in accordance with the test method 40 CFR 60, Appendix A-Method 9.

- g. Emission Limitation: 231 tons VOC/rolling 365 days

Applicable Compliance Method: Compliance shall be determined based upon recordkeeping requirements specified in section C.8.

**16. R014 - Paint Booth C-8**

- a. Emission Limitation: 4.65 lbs OC/hr & 20.4 TPY

Applicable Compliance Method: The hourly and annual OC emission limitations are based on the emissions units potential to emit. Therefore, no hourly or annual recordkeeping, deviation reporting, or compliance method calculations are required to demonstrate compliance with these limitations.

- b. Emission Limitations: 8 lbs OC/hr & 40 lbs OC/day

Applicable Compliance Methods: Compliance shall be determined based upon the recordkeeping requirements specified in section C.1.

- c. Emission Limitation: 50.9 lbs OC/month & 0.31 OC TPY

Applicable Compliance Method: The monthly and annual OC emission limitations are based on the emission units potential to emit. Therefore, no monthly or annual recordkeeping, deviation reporting, or compliance method calculations are required to demonstrate compliance with these limitations.

- d. Emission Limitation: 3000 lbs OC/month & 18.0 tons OC/yr for emission units R009, R011 through R014, R028 through R032, R034 through R044, and K001

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Applicable Compliance Method: Compliance shall be determined based upon the recordkeeping requirements specified in section C.7.

- e. Emission Limitation: 0.70 lbs PE/hr & 3.07 PE TPY\*\*

Applicable Compliance Method: Compliance shall be determined using test procedures specified in 40 CFR Part 60, Appendix A.

$$E = (\text{maximum coating solids usage rate in pounds per hour}) * (1 - TE) * (1 - CE)$$

E = Particulate emissions rate (lbs/hr)

TE = Transfer efficiency, which is the ratio of the amount of coating solids deposited on the coated part to the amount of coating solids used

CE = Control efficiency of the control equipment

\*\* tons PE/yr should be determined using the above calculated PE emissions (lbs/hr) and the actual operating hours for the emissions unit.

- f. Emission Limitation: 0% opacity limitation

Applicable Compliance Method: Compliance with the visible emissions limitations shall be determined in accordance with the test method 40 CFR 60, Appendix A-Method 9.

- g. Emission Limitation: 231 tons VOC/rolling 365 days

Applicable Compliance Method: Compliance shall be determined based upon recordkeeping requirements specified in section C.8.

**17. R042 - Paint Booth C-9**

- a. Emission Limitation: 0.78 lbs OC/hr & 3.42 TPY

Applicable Compliance Method: The hourly and annual OC emission limitations are based on the emissions units potential to emit. Therefore, no hourly or annual recordkeeping, deviation reporting, or compliance method calculations are required to demonstrate compliance with these limitations.

- b. Emission Limitations: 8 lbs OC/hr & 40 lbs OC/day

Applicable Compliance Methods: Compliance shall be determined based upon the

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- c. Emission Limitation: 101.8 lbs OC/month & 0.61 OC TPY

Applicable Compliance Method: The monthly and annual OC emission limitations are based on the emission units potential to emit. Therefore, no monthly or annual recordkeeping, deviation reporting, or compliance method calculations are required to demonstrate compliance with these limitations.

- d. Emission Limitation: 3000 lbs OC/month & 18.0 tons OC/yr for emission units R009, R011 through R014, R028 through R032, R034 through R044, and K001 cleanup operations

Applicable Compliance Method: Compliance shall be determined based upon the recordkeeping requirements specified in section C.7.

- e. Emission Limitation: 0.10 lbs PE/hr & 0.44 PE TPY\*\*

Applicable Compliance Method: Compliance shall be determined using test procedures specified in 40 CFR Part 60, Appendix A.

$$E = (\text{maximum coating solids usage rate in pounds per hour}) * (1 - TE) * (1 - CE)$$

$$E = \text{Particulate emissions rate (lbs/hr)}$$

TE = Transfer efficiency, which is the ratio of the amount of coating solids deposited on the coated part to the amount of coating solids used

CE = Control efficiency of the control equipment

\*\* tons PE/yr should be determined using the above calculated PE emissions (lbs/hr) and the actual operating hours for the emissions unit.

- f. Emission Limitation: 0% opacity limitation

Applicable Compliance Method: Compliance with the visible emissions limitations shall be determined in accordance with the test method 40 CFR 60, Appendix A-Method 9.

- g. Emission Limitation: 231 tons VOC/rolling 365 days

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Applicable Compliance Method: Compliance shall be determined based upon recordkeeping requirements specified in section C.8.

**18. R040 - Paint Booth D-1A**

- a. Emission Limitation: 11.0 lbs OC/hr & 48.18 TPY

Applicable Compliance Method: The hourly and annual OC emission limitations are based on the emissions units potential to emit. Therefore, no hourly or annual recordkeeping, deviation reporting, or compliance method calculations are required to demonstrate compliance with these limitations.

- b. Emission Limitations: 8 lbs OC/hr & 40 lbs OC/day

Applicable Compliance Methods: Compliance shall be determined based upon the recordkeeping requirements specified in section C.1.

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- c. Emission Limitation: 101.8 lbs OC/month & 0.61 OC TPY

Applicable Compliance Method: The monthly and annual OC emission limitations are based on the emission units potential to emit. Therefore, no monthly or annual recordkeeping, deviation reporting, or compliance method calculations are required to demonstrate compliance with these limitations.

- d. Emission Limitation: 3000 lbs OC/month & 18.0 tons OC/yr for emission units R009, R011 through R014, R028 through R032, R034 through R044, and K001 cleanup operations

Applicable Compliance Method: Compliance shall be determined based upon the recordkeeping requirements specified in section C.7.

- e. Emission Limitation: 0.25 lbs PE/hr & 1.10 PE TPY\*\*

Applicable Compliance Method: Compliance shall be determined using test procedures specified in 40 CFR Part 60, Appendix A.

$$E = (\text{maximum coating solids usage rate in pounds per hour}) * (1 - TE) * (1 - CE)$$

$$E = \text{Particulate emissions rate (lbs/hr)}$$

TE = Transfer efficiency, which is the ratio of the amount of coating solids deposited on the coated part to the amount of coating solids used

CE = Control efficiency of the control equipment

\*\* tons PE/yr should be determined using the above calculated PE emissions (lbs/hr) and the actual operating hours for the emissions unit.

- f. Emission Limitation: 0% opacity limitation

Applicable Compliance Method: Compliance with the visible emissions limitations shall be determined in accordance with the test method 40 CFR 60, Appendix A-Method 9.

- g. Emission Limitation: 231 tons VOC/rolling 365 days

Applicable Compliance Method: Compliance shall be determined based upon recordkeeping requirements specified in section C.8.

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**19. R043 - Paint Booth D-1B**

- a. Emission Limitation: 11.5 lbs OC/hr & 50.37 TPY

Applicable Compliance Method: The hourly and annual OC emission limitations are based on the emissions units potential to emit. Therefore, no hourly or annual recordkeeping, deviation reporting, or compliance method calculations are required to demonstrate compliance with these limitations.

- b. Emission Limitations: 8 lbs OC/hr & 40 lbs OC/day

Applicable Compliance Methods: Compliance shall be determined based upon the recordkeeping requirements specified in section C.1.

- c. Emission Limitation: 203.7 lbs OC/month & 1.22 OC TPY

Applicable Compliance Method: The monthly and annual OC emission limitations are based on the emission units potential to emit. Therefore, no monthly or annual recordkeeping, deviation reporting, or compliance method calculations are required to demonstrate compliance with these limitations.

- d. Emission Limitation: 3000 lbs OC/month & 18.0 tons OC/yr for emission units R009, R011 through R014, R028 through R032, R034 through R044, and K001 cleanup operations

Applicable Compliance Method: Compliance shall be determined based upon the recordkeeping requirements specified in section C.7.

- e. Emission Limitation: 0.21 lbs PE/hr & 0.92 PE TPY\*\*

Applicable Compliance Method: Compliance shall be determined using test procedures specified in 40 CFR Part 60, Appendix A.

$$E = (\text{maximum coating solids usage rate in pounds per hour}) * (1 - TE) * (1 - CE)$$

$$E = \text{Particulate emissions rate (lbs/hr)}$$

TE = Transfer efficiency, which is the ratio of the amount of coating solids deposited on the coated part to the amount of coating solids used

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CE = Control efficiency of the control equipment

\*\* tons PE/yr should be determined using the above calculated PE emissions (lbs/hr) and the actual operating hours for the emissions unit.

- f. Emission Limitation: 0% opacity limitation

Applicable Compliance Method: Compliance with the visible emissions limitations shall be determined in accordance with the test method 40 CFR 60, Appendix A-Method 9.

- g. Emission Limitation: 231 tons VOC/rolling 365 days

Applicable Compliance Method: Compliance shall be determined based upon recordkeeping requirements specified in section C.8.

**20. R044 - Paint Booth D-1C**

- a. Emission Limitation: 11.5 lbs OC/hr & 50.37 TPY

Applicable Compliance Method: The hourly and annual OC emission limitations are based on the emissions units potential to emit. Therefore, no hourly or annual recordkeeping, deviation reporting, or compliance method calculations are required to demonstrate compliance with these limitations.

- b. Emission Limitations: 8 lbs OC/hr & 40 lbs OC/day

Applicable Compliance Methods: Compliance shall be determined based upon the recordkeeping requirements specified in section C.1.

- c. Emission Limitation: 203.7 lbs OC/month & 1.22 OC TPY

Applicable Compliance Method: The monthly and annual OC emission limitations are based on the emission units potential to emit. Therefore, no monthly or annual recordkeeping, deviation reporting, or compliance method calculations are required to demonstrate compliance with these limitations.

- d. Emission Limitation: 3000 lbs OC/month & 18.0 tons OC/yr for emission units R009, R011 through R014, R028 through R032, R034 through R044, and K001

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Applicable Compliance Method: Compliance shall be determined based upon the recordkeeping requirements specified in section C.7.

- e. Emission Limitation: 0.21 lbs PE/hr & 0.92 PE TPY\*\*

Applicable Compliance Method: Compliance shall be determined using test procedures specified in 40 CFR Part 60, Appendix A.

$$E = (\text{maximum coating solids usage rate in pounds per hour}) * (1 - TE) * (1 - CE)$$

E = Particulate emissions rate (lbs/hr)

TE = Transfer efficiency, which is the ratio of the amount of coating solids deposited on the coated part to the amount of coating solids used

CE = Control efficiency of the control equipment

\*\* tons PE/yr should be determined using the above calculated PE emissions (lbs/hr) and the actual operating hours for the emissions unit.

- f. Emission Limitation: 0% opacity limitation

Applicable Compliance Method: Compliance with the visible emissions limitations shall be determined in accordance with the test method 40 CFR 60, Appendix A-Method 9.

- g. Emission Limitation: 231 tons VOC/rolling 365 days

Applicable Compliance Method: Compliance shall be determined based upon recordkeeping requirements specified in section C.8.

**21. R041 - Paint Booth D-2**

- a. Emission Limitation: 20.0 lbs OC/hr & 87.6 TPY

Applicable Compliance Method: The hourly and annual OC emission limitations are based on the emissions units potential to emit. Therefore, no hourly or annual recordkeeping, deviation reporting, or compliance method calculations are required to demonstrate compliance with these limitations.

- b. Emission Limitations: 8 lbs OC/hr & 40 lbs OC/day

Applicable Compliance Methods: Compliance shall be determined based upon the

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- c. Emission Limitation: 203.7 lbs OC/month & 1.22 TPY

Applicable Compliance Method: The monthly and annual OC emission limitations are based on the emission units potential to emit. Therefore, no monthly or annual recordkeeping, deviation reporting, or compliance method calculations are required to demonstrate compliance with these limitations.

- d. Emission Limitation: 3000 lbs OC/month & 18.0 tons OC/yr for emission units R009, R011 through R014, R028 through R032, R034 through R044, and K001 cleanup operations

Applicable Compliance Method: Compliance shall be determined based upon the recordkeeping requirements specified in section C.7.

- e. Emission Limitation: 0.37 lbs PE/hr & 1.62 PE TPY\*\*

Applicable Compliance Method: Compliance shall be determined using test procedures specified in 40 CFR Part 60, Appendix A.

$$E = (\text{maximum coating solids usage rate in pounds per hour}) * (1 - TE) * (1 - CE)$$

$$E = \text{Particulate emissions rate (lbs/hr)}$$

TE = Transfer efficiency, which is the ratio of the amount of coating solids deposited on the coated part to the amount of coating solids used

CE = Control efficiency of the control equipment

\*\* tons PE/yr should be determined using the above calculated PE emissions (lbs/hr) and the actual operating hours for the emissions unit.

- f. Emission Limitation: 0% opacity limitation

Applicable Compliance Method: Compliance with the visible emissions limitations shall be determined in accordance with the test method 40 CFR 60, Appendix A-Method 9.

- g. Emission Limitation: 231 tons VOC/rolling 365 days

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Applicable Compliance Method: Compliance shall be determined based upon recordkeeping requirements specified in section C.8.

**22. R039 - Test Paint Spray Booth**

- a. Emission Limitation: 0.602 lbs OC/hr & 2.64 TPY

Applicable Compliance Method: The hourly and annual OC emission limitations are based on the emissions units potential to emit. Therefore, no hourly or annual recordkeeping, deviation reporting, or compliance method calculations are required to demonstrate compliance with these limitations.

- b. Emission Limitations: 8 lbs OC/hr & 40 lbs OC/day

Applicable Compliance Methods: Compliance shall be determined based upon the recordkeeping requirements specified in section C.1.

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- c. Emission Limitation: 203.7 lbs OC/month & 1.22 TPY

Applicable Compliance Method: The monthly and annual OC emission limitations are based on the emission units potential to emit. Therefore, no monthly or annual recordkeeping, deviation reporting, or compliance method calculations are required to demonstrate compliance with these limitations.

- d. Emission Limitation: 3000 lbs OC/month & 18.0 tons OC/yr for emission units R009, R011 through R014, R028 through R032, R034 through R044, and K001 cleanup operations

Applicable Compliance Method: Compliance shall be determined based upon the recordkeeping requirements specified in section C.7.

- e. Emission Limitation: 0.10 lbs PE/hr & 0.44 PE TPY\*\*

Applicable Compliance Method: Compliance shall be determined using test procedures specified in 40 CFR Part 60, Appendix A.

$$E = (\text{maximum coating solids usage rate in pounds per hour}) * (1 - TE) * (1 - CE)$$

$$E = \text{Particulate emissions rate (lbs/hr)}$$

TE = Transfer efficiency, which is the ratio of the amount of coating solids deposited on the coated part to the amount of coating solids used

CE = Control efficiency of the control equipment

\*\* tons PE/yr should be determined using the above calculated PE emissions (lbs/hr) and the actual operating hours for the emissions unit.

- f. Emission Limitation: 0% opacity limitation

Applicable Compliance Method: Compliance with the visible emissions limitations shall be determined in accordance with the test method 40 CFR 60, Appendix A-Method 9.

- g. Emission Limitation: 231 tons VOC/rolling 365 days

Applicable Compliance Method: Compliance shall be determined based upon recordkeeping requirements specified in section C.8.

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**23. L001 - Mask Water**

- a. Emission Limitations : 665 lbs OC/month & 3.99 TPY

Applicable Compliance Method: Compliance shall be determined by the record keeping requirements in section C.6.

- b. Emission Limitation: 336.5 lbs VOC/month & 2.02 TPY

Applicable Compliance Method: Compliance shall be determined by the recordkeeping requirements in section C.6.

**24. L001 - Mask Water**

- a. Emission Limitations : 665 lbs OC/month & 3.99 TPY

Applicable Compliance Method: Compliance shall be determined by the record keeping requirements in section C.6.

- b. Emission Limitation: 336.5 lbs VOC/month & 2.02 TPY

Applicable Compliance Method: Compliance shall be determined by the recordkeeping requirements in section C.6.

NOTE: NO term or condition specifying a method for demonstrating compliance with any emission 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 thereunder.

**F. Miscellaneous**

1. None