



State of Ohio Environmental Protection Agency

JK  
PD 12/4/97

STREET ADDRESS:

1800 WaterMark Drive  
Columbus, OH 43215-1099

TELE: (614) 644-3020 FAX: (614) 644-2329

MAILING ADDRESS:

P.O. Box 1049  
Columbus, OH 43216-1049

Re: Permit to Install  
Franklin County  
Application No: 01-6677  
NSPS  
TOXIC REVIEW

CERTIFIED MAIL

June 25, 1997

SHERWIN-WILLIAMS COMPANY  
RICK HOLT  
2121 NEW WORLD DRIVE  
COLUMBUS, OH 43207

RECEIVED  
JUN 30 1997  
OHIO EPA/CDD

Enclosed please find an Ohio EPA Permit to Install which will allow you to install the described source(s) in a manner indicated in the permit. Because this permit contains several conditions and restrictions I urge you to read it carefully.

The Ohio EPA is urging companies to investigate pollution prevention and energy conservation. Not only will this reduce pollution and energy consumption, but it can also save you money. If you would like to learn ways you can save money while protecting the environment, please contact our Office of Pollution Prevention at (614) 644-3469.

You are hereby notified that this action by the Director is final and may be appealed to the Ohio Environmental Board of Review 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 with the Environmental Board of Review within thirty (30) days after notice of the Director's 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 Board. An appeal may be filed with the Environmental Board of Review at the following address:

Environmental Board of Review  
236 East Town Street, Room 300  
Columbus, Ohio 43215

Very truly yours,

Thomas G. Rigo, Manager  
Field Operations & Permit Section  
Division of Air Pollution Control

cc: US EPA  
CENTRAL DISTRICT OFFICE, DAPC

George V. Voinovich, Governor  
Nancy P. Hollister, Lt. Governor  
Donald R. Schregardus, Director



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## Permit to Install Terms and Conditions

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Application No. 01-6677  
APS Premise No. 0125041181  
Permit Fee: \$13300.00

Name of Facility: SHERWIN-WILLIAMS COMPANY

Person to Contact: RICK HOLT

Address: 2121 NEW WORLD DRIVE  
COLUMBUS, OH 43207

Location of proposed source(s): 2121 NEW WORLD DRIVE  
COLUMBUS, OHIO

Description of proposed source(s):  
EXPANSION OF ALKYD RESIN/SOLVENT COATING PRODUCTION.

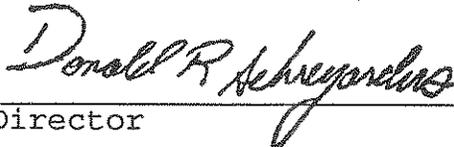
Date of Issuance: June 25, 1997

Effective Date: June 25, 1997

The above named entity is hereby granted a permit to install for the above described source(s) pursuant to Chapter 3745-31 of the Ohio Administrative Code. Issuance of this permit 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 and specifications, the above described source(s) of pollutants will be granted the necessary permits to operate (air) or NPDES permits as applicable.

This permit is granted subject to the conditions attached hereto.

Ohio Environmental Protection Agency

  
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Director

TERMINATION OF PERMIT TO INSTALL

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

NOTICE OF INSPECTION

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

CONSTRUCTION OF NEW SOURCES

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

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

may have against the applicant for starting construction prior to the effective date of the permit. Additional facilities shall be installed upon orders of the Ohio Environmental Protection Agency if the proposed facilities cannot meet applicable standards.

**PERMIT TO INSTALL FEE**

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

**PUBLIC DISCLOSURE**

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

**APPLICABILITY**

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

**BEST AVAILABLE TECHNOLOGY**

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

**PERMIT TO OPERATE APPLICATION**

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

**SOURCE OPERATION AFTER COMPLETION OF CONSTRUCTION**

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

AIR EMISSION SUMMARY

The air contaminant sources listed below comprise the Permit to Install for SHERWIN-WILLIAMS COMPANY located in Franklin County. The sources 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.

<u>Ohio EPA Source Number</u>	<u>Source Identification Description</u>	<u>BAT Determination</u>	<u>Applicable Federal &amp; OAC Rules</u>	<u>Permit Allowable Mass Emissions and/or Control/Usage Requirements</u>
T047 ✓	11,000 gallon storage tank (T-253)	Bottom fill and conservation vent	3745-31-05 40 CFR Part 60 Subpart Kb 3745-21-07 (D) (2)	<0.4 ton OC/yr
T048 ✓	11,000 gallon storage tank (T-254)	Bottom fill and conservation vent	3745-31-05 40 CFR Part 60 Subpart Kb 3745-21-07 (D) (2)	<0.4 ton OC/yr
T049 ✓	11,000 gallon storage tank (T-255)	Bottom fill and conservation vent	3745-31-05 40 CFR Part 60 Subpart Kb 3745-21-07 (D) (2)	<0.4 ton OC/yr
T050 ✓	11,000 gallon storage tank (T-256)	Bottom fill and conservation vent	3745-31-05 40 CFR Part 60 Subpart Kb 3745-21-07 (D) (2)	<0.4 ton OC/yr
T051 ✓	11,000 gallon storage tank (T-260)	Bottom fill and conservation vent	3745-31-05 40 CFR Part 60 Subpart Kb 3745-21-07 (D) (2)	<0.4 ton OC/yr

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T052 ✓	11,000 gallon storage tank (T-263)	Bottom fill and conservation vent	3745-31-05 40 CFR Part 60 Subpart Kb 3745-21-07 (D) (2)	<0.4 ton OC/yr
T053 ✓	11,000 gallon storage tank (T-267)	Bottom fill and conservation vent	3745-31-05 40 CFR Part 60 Subpart Kb 3745-21-07 (D) (2)	<0.4 ton OC/yr
T054 ✓	11,000 gallon storage tank (T-268)	Bottom fill and conservation vent	3745-31-05 40 CFR Part 60 Subpart Kb 3745-21-07 (D) (2)	<0.4 ton OC/yr
T055 ✓	11,000 gallon heated storage tank (T-257)	Bottom fill and conservation vent	3745-31-05 40 CFR Part 60 Subpart Kb 3745-21-07 (D) (2)	<0.4 ton OC/yr
T056 ✓	11,000 gallon heated storage tank (T-258)	Bottom fill and conservation vent	3745-31-05 40 CFR Part 60 Subpart Kb 3745-21-07 (D) (2)	<0.4 ton OC/yr
T057 ✓	11,000 gallon heated storage tank (T-259)	Bottom fill and conservation vent	3745-31-05 40 CFR Part 60 Subpart Kb 3745-21-07 (D) (2)	<0.4 ton OC/yr
T058 ✓	18,000 gallon storage tank (T-264)	Bottom fill and conservation vent	3745-31-05 40 CFR Part 60 Subpart Kb 3745-21-07 (D) (2)	<0.4 ton OC/yr

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T059 ✓	18,000 gallon storage tank (T-266)	Bottom fill and conservation vent	3745-31-05 40 CFR Part 60 Subpart Kb 3745-21-07 (D) (2)	<0.4 ton OC/yr
T060 ✓	18,000 gallon heated storage tank (T-265)	Bottom fill and conservation vent	3745-31-05 40 CFR Part 60 Subpart Kb 3745-21-07 (D) (2)	<0.4 ton OC/yr
T061	6,000 gallon solvent agitated tank (T-261)	Sidewall directed fill for spent solvents	3745-31-05 3745-21-07 (G) (2)	<0.4 ton OC/yr
P013 ✓	1,500 gallon high speed disperser HSD (401A)	Covered with vent damper, hooded hatch vented to DC-1 and compliance with Ohio EPA toxics policy.	3745-31-05 3745-21-07 (G) (2) 3745-17-08	3.4 lbs OC/hr, 40 lbs OC/day, 3.0 tons OC/yr, 0.1 ton PM/yr, and see Additional Special Terms and Conditions
P014 ✓	1,500 gallon high speed disperser HSD (401B)	Covered with vent damper, hooded hatch vented to DC-1 and compliance with Ohio EPA toxics policy.	3745-31-05 3745-21-07 (G) (2) 3745-17-08	3.4 lbs OC/hr, 40 lbs OC/day, 3.0 tons OC/yr, 0.1 ton PM/yr, and compliance with Additional Special Terms and Conditions
P015 ✓	1,500 gallon high speed disperser HSD (402A)	Covered with vent damper, hooded hatch vented to DC-1 and compliance with Ohio EPA toxics policy.	3745-31-05 3745-21-07 (G) (2) 3745-17-08	3.4 lbs OC/hr, 40 lbs OC/day, 3.0 tons OC/yr, 0.1 ton PM/yr, and compliance with Additional Special Terms and Conditions

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<u>Ohio EPA Source Number</u>	<u>Source Identification Description</u>	<u>BAT Determination</u>	<u>Applicable Federal &amp; OAC Rules</u>	<u>Permit Allowable Mass Emissions and/or Control/Usage Requirements</u>
P016 ✓	1,500 gallon high speed disperser HSD (402B)	Covered with vent damper, hooded hatch vented to DC-1 and compliance with Ohio EPA toxics policy	3745-31-05 3745-21-07 (G) (2) 3745-17-08	3.4 lbs OC/hr, 40 lbs OC/day, 3.0 tons OC/yr, 0.1 ton PM/yr, and compliance with Additional Special Terms and Conditions
P017	1,500 gallon high speed disperser HSD (403A)	Covered with vent damper, hooded hatch vented to DC-1 and compliance with Ohio EPA toxics policy	3745-31-05 3745-21-07 (G) (2) 3745-17-08	3.4 lbs OC/hr, 40 lbs OC/day, 3.0 tons OC/yr, 0.1 ton PM/yr, and compliance with Additional Special Terms and Conditions
P018 ✓	1,500 gallon high speed disperser HSD (403B)	Covered with vent damper, hooded hatch vented to DC-1 and compliance with Ohio EPA toxics policy	3745-31-05 3745-21-07 (G) (2) 3745-17-08	3.4 lbs OC/hr, 40 lbs OC/day, 3.0 tons OC/yr, 0.1 ton PM/yr, and compliance with Additional Special Terms and Conditions
P019 ✓	1,500 gallon high speed disperser HSD (404A)	Covered with vent damper, hooded hatch vented to DC-1 and compliance with Ohio EPA toxics policy	3745-31-05 3745-21-07 (G) (2) 3745-17-08	3.4 lbs OC/hr, 40 lbs OC/day, 3.0 tons OC/yr, 0.1 ton PM/yr, and compliance with Additional Special Terms and Conditions

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P020 ✓	750 gallon high speed disperser HSD (404B)	Covered with vent damper, hooded hatch vented to DC-1 and compliance with Ohio EPA toxics policy	3745-31-05 3745-21-07 (G) (2) 3745-17-08	3.4 lbs OC/hr, 40 lbs OC/day, 3.0 tons OC/yr, 0.1 ton PM/yr, and compliance with Additional Special Terms and Conditions
P028 ✓	4,000 gallon thindown tank (301)	Covered with carbon canister on vent and 85% OC control	3745-31-05 3745-21-07 (G) (2)	0.1 lb OC/hr, 0.6 ton OC/yr
P029 ✓	4,000 gallon thindown tank (302)	Covered with carbon canister on vent and 85% OC control	3745-31-05 3745-21-07 (G) (2)	0.1 lb OC/hr, 0.6 ton OC/yr
P030 ✓	4,000 gallon thindown tank (303)	Covered with carbon canister on vent and 85% OC control	3745-31-05 3745-21-07 (G) (2)	0.1 lb OC/hr, 0.6 ton OC/yr
P031 ✓	4,000 gallon thindown tank (304)	Covered with carbon canister on vent and 85% OC control	3745-31-05 3745-21-07 (G) (2)	0.1 lb OC/hr 0.6 ton OC/yr
P032 ✓	4,000 gallon thindown tank (305)	Covered with carbon canister on vent and 85% OC control	3745-31-05 3745-21-07 (G) (2)	0.1 lb OC/hr 0.6 ton OC/yr

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P033 ✓	4,000 gallon thindown tank (306)	Covered with carbon canister on vent and 85% OC control	3745-31-05 3745-21-07 (G) (2)	0.1 lb OC/hr, 0.6 ton OC/yr
P034 ✓	2,000 gallon thindown tank (307)	Covered with carbon canister on vent and 85% OC control	3745-31-05 3745-21-07 (G) (2)	0.1 lb OC/hr, 0.3 ton OC/yr
P035 ✓	2,000 gallon thindown tank (308)	Covered with carbon canister on vent and 85% OC control	3745-31-05 3745-21-07 (G) (2)	0.1 lb OC/hr, 0.3 ton OC/yr
P036 ✓	2,000 gallon thindown tank (309)	Covered with carbon canister on vent and 85% OC control	3745-31-05 3745-21-07 (G) (2)	0.1 lb OC/hr, 0.3 ton OC/yr
P037 ✓	1,000 gallon thindown tank (310)	Covered with carbon canister on vent and 85% OC control	3745-31-05 3745-21-07 (G) (2)	0.03 lb OC/hr, 0.1 ton OC/yr
P038 ✓	1,000 gallon thindown tank (311)	Covered with carbon canister on vent and 85% OC control	3745-31-05 3745-21-07 (G) (2)	0.03 lb OC/hr, 0.1 ton OC/yr
P039 ✓	4,000 gallon thindown tank (312)	Covered with carbon canister on vent and 85% OC control	3745-31-05 3745-21-07 (G) (2)	0.1 lb OC/hr, 0.6 ton OC/yr

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P040 ✓	4,000 gallon thindown tank (313)	Covered with carbon canister on vent and 85% OC control	3745-31-05 3745-21-07 (G) (2)	0.1 lb OC/hr, 0.6 ton OC/yr
P041 ✓	4,000 gallon thindown tank (314)	Covered with carbon canister on vent and 85% OC control	3745-31-05 3745-21-07 (G) (2)	0.1 lb OC/hr, 0.6 ton OC/yr
P042 ✓	4,000 gallon thindown tank (315)	Covered with carbon canister on vent and 85% OC control	3745-31-05 3745-21-07 (G) (2)	0.1 lb OC/hr, 0.6 ton OC/yr
P043 ✓	4,000 gallon thindown tank (316)	Covered with carbon canister on vent and 85% OC control	3745-31-05 3745-21-07 (G) (2)	0.1 lb OC/hr, 0.6 ton OC/yr
P044 ✓	4,000 gallon thindown tank (317)	Covered with carbon canister on vent and 85% OC control	3745-31-05 3745-21-07 (G) (2)	0.1 lb OC/hr, 0.6 ton OC/yr
P045 ✓	4,000 gallon thindown tank (318)	Covered with carbon canister on vent and 85% OC control	3745-31-05 3745-21-07 (G) (2)	0.1 lb OC/hr, 0.6 ton OC/yr
P046 ✓	4,000 gallon thindown tank (319)	Covered with carbon canister on vent and 85% OC control	3745-31-05 3745-21-07 (G) (2)	0.1 lb OC/hr, 0.6 ton OC/yr

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P103 ✓	700 gallon thindown tank (360)	Covered with carbon canister on vent and 85% OC control	3745-31-05 3745-21-07 (G) (2)	0.02 lb OC/hr, 0.1 ton OC/yr
P104 ✓	700 gallon thindown tank (361)	Covered with carbon canister on vent and 85% OC control	3745-31-05 3745-21-07 (G) (2)	0.02 lb OC/hr, 0.1 ton OC/yr
P105 ✓	700 gallon thindown tank (362)	Covered with carbon canister on vent and 85% OC control	3745-31-05 3745-21-07 (G) (2)	0.02 lb OC/hr, 0.1 ton OC/yr
P106 ✓	700 gallon thindown tank (363)	Covered with carbon canister on vent and 85% OC control	3745-31-05 3745-21-07 (G) (2)	0.02 lb OC/hr, 0.1 ton OC/yr
P107 ✓	700 gallon thindown tank (364)	Covered with carbon canister on vent and 85% OC control	3745-31-05 3745-21-07 (G) (2)	0.02 lb OC/hr, 0.1 ton OC/yr
P108 ✓	700 gallon thindown tank (365)	Covered with carbon canister on vent and 85% OC control	3745-31-05 3745-21-07 (G) (2)	0.02 lb OC/hr, 0.1 ton OC/yr
P109 ✓	700 gallon thindown tank (366)	Covered with carbon canister on vent and 85% OC control	3745-31-05 3745-21-07 (G) (2)	0.02 lb OC/hr, 0.1 ton OC/yr

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P110 ✓	700 gallon thindown tank (367)	Covered with carbon canister on vent and 85% OC control	3745-31-05 3745-21-07 (G) (2)	0.02 lb OC/hr, .01 ton OC/yr
P111 ✓	700 gallon thindown tank (368)	Covered with carbon canister on vent and 85% OC control	3745-31-05 3745-21-07 (G) (2)	0.02 lb OC/hr, 0.1 ton OC/yr
P112 ✓	1,500 gallon thindown tank (369)	Covered with carbon canister on vent and 85% OC control	3745-31-05 3745-21-07 (G) (2)	0.05 lb OC/hr, 0.2 ton OC/yr
P113 ✓	1,500 gallon thindown tank (370)	Covered with carbon canister on vent and 85% OC control	3745-31-05 3745-21-07 (G) (2)	0.05 lb OC/hr, 0.2 ton OC/yr
P114 ✓	1,500 gallon thindown tank (371)	Covered with carbon canister on vent and 85% OC control	3745-31-05 3745-21-07 (G) (2)	0.05 lb OC/hr, 0.2 ton OC/yr
P115 ✓	1,500 gallon thindown tank (372)	Covered with carbon canister on vent and 85% OC control	3745-31-05 3745-21-07 (G) (2)	0.05 lb OC/hr, 0.2 ton OC/yr
P116 ✓	1,500 gallon thindown tank (373)	Covered with carbon canister on vent and 85% OC control	3745-31-05 3745-21-07 (G) (2)	0.05 lb OC/hr, 0.2 ton OC/yr

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P117 ✓	500 gallon high speed disperser HSD (414) ✓	Covered with vent damper, hooded hatch vented to DC-2 and compliance with Ohio EPA toxics policy	3745-31-05 3745-21-07 (G) (2) 3745-17-08	2.0 lbs OC/hr, 40 lbs OC/day, 1.4 tons OC/yr, 0.3 ton PM/yr, and compliance with Additional Special Terms and Conditions
P118 ✓	500 gallon high speed disperser HSD (415) ✓	Covered with vent damper, hooded hatch vented to DC-2 and compliance with Ohio EPA toxics policy	3745-31-05 3745-21-07 (G) (2) 3745-17-08	2.0 lbs OC/hr, 40 lbs OC/day, 4.1 tons OC/yr, 0.3 ton PM/yr, and see Additional Special Terms and Conditions
P119 ✓	Continuous Mill 600 lbs/hr (416) ✓	Covered with vent damper, hooded hatch vented to DC-2	3745-31-05 3745-21-07 (G) (2) 3745-17-08	0.1 lb OC/hr, 0.4 ton OC/yr, 0.3 ton PM/yr, and see Additional Special Terms and Conditions
P120	1,500 gallon rotor stator tank (417)	Covered with vent damper, hooded hatch vented to DC-2	3745-31-05 3745-21-07 (G) (2) 3745-17-08	0.1 lb OC/hr, 0.4 ton OC/yr, 0.3 ton PM/yr, and see Additional Special Terms and Conditions
P121 ✓	Continuous Mill 600 lbs/hr (418) ✓	Covered with vent damper, hooded hatch vented to DC-2	3745-31-05 3745-21-07 (G) (2) 3745-17-08	0.1 lb OC/hr, 0.4 ton OC/yr, 0.3 ton PM/yr, and see Additional Special Terms and Conditions

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P122	Continuous Mill 600 lbs/hr (419)	Covered with vent damper, hooded hatch vented to DC-2	3745-31-05 3745-21-07 (G) (2) 3745-17-08	0.1 lb OC/hr, 0.4 ton OC/yr, 0.3 ton PM/yr, and see Additional Special Terms and Conditions
P123 ✓	1,000 gallon thindown tank (320)	Covered with carbon canister on vent and 85% OC control	3745-31-05 3745-21-07 (G) (2)	0.03 lb OC/hr, 0.1 ton OC/yr
P124	1,000 gallon thindown tank (354)	Covered with carbon canister on vent and 85% OC control	3745-31-05 3745-21-07 (G) (2)	0.03 lb OC/hr, 0.1 ton OC/yr
P125 ✓	2,000 gallon thindown tank (351)	Covered with carbon canister on vent and 85% OC control	3745-31-05 3745-21-07 (G) (2)	0.1 lb OC/hr, 0.3 ton OC/yr
P126 ✓	2,000 gallon thindown tank (352)	Covered with carbon canister on vent and 85% OC control	3745-31-05 3745-21-07 (G) (2)	0.1 lb OC/hr, 0.3 ton OC/yr

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P127 ✓	2,000 gallon thindown tank (353)	Covered with carbon canister on vent and 85% OC control	3745-31-05 3745-21-07 (G) (2)	0.1 lb OC/hr, 0.3 ton OC/yr
P128	6,000 pound paste mixer	Covered with vent damper, hooded hatch vented to DC-2	3745-31-05 3745-21-07 3745-17-08 (G) (2)	0.2 lb OC/hr, 0.5 ton OC/yr, 0.3 ton PM/yr, and see Additional Special Terms and Conditions
P129 ✓	Five gallon fill line with hood	Compliance with limits and Ohio EPA toxic policy	3745-31-05 3745-21-07 (G) (2)	2.7 lbs OC/hr, 1.2 tons OC/yr
P130	Five gallon fill line with hood	Compliance with limits and Ohio EPA toxic policy	3745-31-05 3745-21-07 (G) (2)	2.7 lbs OC/hr, 1.2 tons OC/yr
P131 ✓	Fifty-five gallon drum fill line with hood	Compliance with limits and Ohio EPA toxic policy	3745-31-05 3745-21-07 (G) (2)	0.8 lb OC/hr, 1.4 tons OC/yr
P132	Fifty-five gallon drum fill line with hood	Compliance with limits and Ohio EPA toxic policy	3745-31-05 3745-21-07 (G) (2)	0.8 lb OC/hr, 1.4 tons OC/yr
P133 ✓	Single head five gallon filling line	Compliance with limits and Ohio EPA toxic policy	3745-31-05 3745-21-07 (G) (2)	1.5 lbs OC/hr, 0.3 ton OC/yr
P134 ✓	Seven head rotary filling line with hood	Compliance with limits and Ohio EPA toxic policy	3745-31-05 3745-21-07 (G) (2)	2.6 lbs OC/hr, 0.4 ton OC/yr

**SUMMARY**

**TOTAL PERMIT TO INSTALL ALLOWABLE EMISSIONS**

<u>Pollutant</u>	<u>Tons/Year</u>
OC	56.0
PM <sub>10</sub>	3.9

**RECORD(S) RETENTION AND AVAILABILITY**

All records required by this Permit to Install shall be retained on file for a period of not less than three years unless otherwise indicated by Ohio Environmental Protection Agency. All records shall be made available to the Director, or any representative of the Director, for review during normal business hours.

**REPORTING REQUIREMENTS**

Unless otherwise specified, reports required by the Permit to Install need only be submitted to OEPA Central District Office - DAPC, 3232 Alum Creek Drive, Columbus, Ohio 43207-3417.

**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 OEPA Central District Office - DAPC, 3232 Alum Creek Drive, Columbus, Ohio 43207-3417.

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 of the associated air pollution sources.

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.

NINETY DAY OPERATING PERIOD

The facility will be permitted to operate during a 90-day period in accordance with OAC Rule 3745-35-02(C)(4)(b). The purpose of this period of operation is to fulfill the performance tests conditions used in the determination of compliance with the provisions of this Permit to Install or other applicable Ohio EPA rules.

NEW SOURCE PERFORMANCE STANDARD SUBPART Kb

The application and enforcement of the provisions of the New Source Performance Standards (NSPS), as promulgated by the United States Environmental Protection Agency, 40 CFR Part 60, are delegated to the Ohio Environmental Protection Agency. The requirements of 40 CFR Part 60 are also federally enforceable.

In accordance with 40 CFR 60.116b(a) and (b), the owner and operator of the following storage vessel(s) shall keep readily accessible records showing the dimension of each storage vessel and an analysis showing the capacity of each storage vessel for the life of each source.

<u>Source Number(s):</u>	<u>Tank Size:</u>
T047 - T054	11,000 gallon
T055 - T057	11,000 gallon (heated)
T058, T059	18,000 gallon
T060	18,000 gallon (heated)

CONSTRUCTION COMPLIANCE CERTIFICATION

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

ADDITIONAL SPECIAL TERMS AND CONDITIONS

A. Operational Restrictions on High Speed Dispersion (HSD) Units

1. Photochemically reactive formulation subject to 40 pounds OC/day:

The processing of F77 QuickDry shall be restricted to eight (8) hours per day in the six 1,500 gallon units. Processing includes all time periods of solvent charge, solids addition, mixing, grinding, and cleaning of the tanks, exclusive of time which materials are retained in the tank while waiting for a time slot for filling. This operating restriction will be verified with emissions testing during an entire batch cycle using F77 QuickDry formulation.

2. Control of fugitive particulate matter during solids addition:

During pigment (solids) addition, fugitive particulate matter shall be collected by a hatch collar take-off vented to a fabric filter. The hatch covers shall be closed, except to take material additions and/or evaluate product quality. The outlet loading from the fabric filter shall not exceed 0.03 grain/dscf of air flow.

B. Recordkeeping Requirement for High Speed Dispersion Units

The permittee shall maintain the following records during each day an emission unit is operated:

1. the company identification of each formulation processed;
2. the photochemical reactivity of the formulation;
3. the start time of each batch cycle;
4. the end time of each batch cycle;
5. the total processing time for each HSD unit; and,
6. the number of batches produced per day.

C. Reporting Requirements

The permittee shall submit a deviation report for each day during which the total processing time of F77 QuickDry photochemically reactive formulation exceeds the operating restriction. The report shall identify the day, the product, and the actual operating hours with measures taken to reduce future exceedances. These reports shall be submitted to the Ohio EPA Central District Office within 45 days after the exceedance.

D. Testing Requirements

The permittee shall conduct, or have conducted, emission testing, in accordance with the following requirements:

1. the emission testing shall be conducted within 3 months after issuance of the permit;
2. the emission testing shall be conducted to demonstrate compliance with the hourly allowable emission rate for organic compounds and to verify the APEM factor used to calculate the organic compound emission rate;
3. the test method(s) employed to demonstrate compliance with the allowable mass emission rate and APEM emission factors for OC shall be mutually agreed upon by the Ohio EPA and Sherwin-Williams prior to the test;
4. the test(s) shall be conducted on a 1,500 gallon HSD unit operating at or near its maximum capacity using product formulations identified as F77 QuickDry; and,
5. not later than 30 days prior to the proposed test date(s), the permittee shall submit an "Intent to Test" notification to the Ohio EPA, Central District Office. The "Intent to Test" notification shall describe in detail the proposed test methods and procedures, the emissions unit operating parameters, the time(s) and date(s) of the test(s), and the person(s) who will be conducting the test(s). Failure to submit such notification for review and approval prior to the test(s) may result in the Ohio EPA, Central District Office's refusal to accept the results of the emission test(s).

Personnel from the Ohio EPA, Central District Office shall be permitted to witness the test(s), examine the testing equipment, and acquire data and information necessary to ensure that the operation of the emissions unit and the testing procedures provide a valid characterization of the emissions from the emissions unit and/or the performance of the control equipment.

A comprehensive written report on the results of the emissions test(s) shall be signed by the person or persons responsible for the tests and submitted to the Ohio EPA, Central District Office within 30 days following completion of the test(s).

E. Emission Limitation

Compliance Method

3.4 lbs OC/hr (1,500 gal HSD)

0.00121 lb OC/lb throughput  
2,809 lbs throughput/hr

3.0 tons OC/yr (1,500 gal HSD)	0.000372 lb OC/lb throughput 16,129,000 lbs throughput/yr
0.1 lb OC/hr (4,000 gal T&S)	0.000533 lb OC/lb less 85% 1670 lbs throughput/yr
0.6 ton OC/yr (4,000 gal T&S)	0.00025 lb OC/lb less 85% 14,640,000 lbs throughput/yr
2.7 lbs OC/hr (5 gallon Fill)	0.00009 lb OC/lb throughput 30,000 lbs/hr
1.2 tons OC/yr	0.0000373 lb OC/lb throughput 64,343,163 lbs throughput/yr

F. Miscellaneous

Compliance with the Ohio EPA Toxics Policy was determined for the 6 High Speed Dispenser Units manifolded to a common 24 inch stack at 60 feet height at 0.01 meter/second exit velocity. The paint formulation was F77 QuickDry emitted during passive venting for a 900 gallon batch at 3.27 lbs/hr (39% by weight) toxics.

Prior to manufacturing a new product formulation, for other than process development and/or testing, not identified in the application for the permit, the permittee shall submit written notification to the Ohio EPA, Central District Office.

This notification shall include the following information, as a minimum:

1. the company identification of the product;
2. the liquid organic formulation; and,
3. an estimated batch emission rate of organic compounds.