



**STATE OF RHODE ISLAND AND PROVIDENCE PLANTATIONS
DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR RESOURCES**

OPERATING PERMIT

Brookwood Laminating Inc.

PERMIT NO. RI--05-05

(Renewal date: October 11, 2005)

(Expiration date: October 11, 2010)

Pursuant to the provisions of Air Pollution Control Regulation No. 29, this operating permit is issued to:

Brookwood Laminating, Inc.
(Peace Dale Mill Complex)
1425 Kingstown Road
Peace Dale, RI 02883

This permit shall be effective from the date of its issuance. All terms and conditions of the permit are enforceable by USEPA and citizens under the federal Clean Air Act, 42 U.S.C. 7401, et seq., unless specifically designated as not federally enforceable.

**Stephen Majkut, Chief
Office of Air Resource**

Date of issuance: 10/11/05

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SECTION I. SOURCE SPECIFIC CONDITIONS

A. Requirements for Emission Units P001, P002, P003, P005 and P013

The following requirements are applicable to:

- Emission unit P001, which is the HS-Lam Coating Line. P001 is equipped with a 2.4 MMBTU/hr drying oven, which burns natural gas.
- Emission unit P002, which is the A-Lam Coating Line. P002 is equipped with an enclosed steam- heated cylinder.
- Emission unit P003 consists of the mixing room. Solvent coatings are mixed (using 2 mixers) in 30 gallon drums and 5 gallon pails.
- Emission unit P005, which is the L-Lam Coating Line. P005 is equipped with an enclosed steam heated drying drum.
- Emission unit P013, which is the B-Lam Coating Line. P013 is equipped with an enclosed steam-heated cylinder
- Emission units P001, P002, P003, P005 and P013 are associated with air pollution control device C002, which is a 15,000 scfm, 5 MMBTU/hr Durr Environmental Regenerative Oxidizer, which burns natural gas.

1. **Emission Limitations**

- a. Emissions from P001, P002, P005 and P013 shall not exceed 4.79 lbs. VOC/gallon of solids. [19.3.1]
- b. All volatile organic compound (VOC) emissions generated from emission units P001, P002, P003, P005 and P013 shall be captured and contained for discharge to C002. [Approval Nos. 573, 1806 & 1827(A)(1)]
- c. VOC emissions generated from emission units P001, P002, P003, P005 and P013 shall be reduced by 98% or greater. This is to be achieved through a combination of 100 percent capture of the VOC generated by P001, P002, P003, P005 and P013 and a 98 percent destruction of this VOC. [Approval Nos. 573, 1806 & 1827(A)(2), 19.3.2(a), Consent Agreement OC&I File No. 03-03(C)(4)(b)]
- d. The destruction efficiency of C002 for VOC shall be at least 98%. [Approval Nos. 573, 1806 & 1827(A)(3)]

- e. The total quantity of VOC emissions discharged to C002 from P001, P002, P003, P005 and P013 shall not exceed 410 pounds per hour, the maximum loading capacity in lbs/hr of C002. [Approval Nos. 573, 1806 & 1827(A)(4)]
- f. The emissions of air contaminants discharged to the atmosphere from C002 shall not exceed the limitations in Table 1. These limitations were established to ensure that emissions from this facility do not exceed any of the Acceptable Ambient Levels (AALs) listed in Air Pollution Control Regulation No. 22, or any calculated acceptable ambient level (CAAL). The Limitations shown in pounds per year are calculated on a 12-month rolling average. [Approval Nos. 573, 1806 & 1827(A)(5)]

Table 1. Emission Limitations

Pollutant	Stack	Limitation		
		pounds/hour	pounds/day	pounds/year
Dimethyl Formamide	C002	--	--	71,000
Toluene	C002	8.2	195	71,000
Methyl Ethyl Ketone	C002	8.2	195	--
Isopropyl Alcohol (IPA)	C002	8.2	--	--
Methyl Isobutyl Ketone	C002	--	195	--
Methanol	C002	8.2	--	71,000

2. Operating Requirements

- a. The operating temperature of C002 shall be maintained at or above 1500°F whenever VOC is being discharged to C002. This minimum temperature may be revised based on the results of emission testing. [Approval Nos. 573, 1806 & 1827(B)(1),29.6.3(a)]

- b. The operating temperature to C002 shall never exceed 1800°F. [Approval Nos. 573, 1806 & 1827(B)(2), 29.6.3(a)]
- c. Emission units P001, P002, P005 and P013 shall each be equipped with an interlock to prevent operation of P001, P002, P005 and P013 if the operating temperature of C002 is less than 1500°F. [Approval Nos. 573, 1806 & 1827(B)(3), 29.6.3(a)]
- d. All access doors and windows in the laminating area that includes emission units P001, P002, P005 and P013 shall be closed during routine operation. Brief, occasional openings of doors to allow for entering and exiting the laminating area *and the mixing room* is acceptable. Plastic strip curtains in place of doors constitute closed doors. [Approval Nos. 573, 1806 & 1827(B)(4)]
- e. Air passing through any opening in the laminating area and the mixing room shall flow into the room continuously. [Approval Nos. 573, 1806 & 1827(B)(5)]
- f. All cleaning of emission units P001, P002, P003, P005 and P013 with VOC containing material shall be conducted with C002 operating. VOC emissions generated during cleaning shall be captured, contained and discharged through C002 for destruction. [Approval Nos. 573, 1806 & 1827(B)(6)]
- g. There shall be no bypassing of C002 during times when VOC is being discharged to the control device. [Approval Nos. 573, 1806 & 1827(F)(3)]
- h. C002 shall be operated according to its design specifications whenever P001, P002, P003, P005 and P013 are in operation or are emitting air contaminants. [16.1]
- i. The permittee shall shut down emission units P001, P002, P005 and P013 in the event of a malfunction of the emission capture system and/or C002 that results in or that could result in, emissions in excess of the permit limits. Emission units P001, P002, P005 and P013 shall remain shutdown until the malfunction has been identified and corrected. [Approval Nos. 573, 1806 & 1827(F)(2)]
- j. Malfunctions
 - (1) Malfunction means a sudden and unavoidable breakdown of process or control equipment. In the case of a malfunction of any air pollution control system, all reasonable measures shall be taken to assure resumption of the designed control efficiency as soon as

possible. In the event that the malfunction of an air pollution control system is expected or may reasonably be expected to continue for longer than 24 hours and if the owner wishes to operate the source on which it is installed at any time beyond that period, the Director shall be petitioned for a variance under Section 23-23-15 of the General Laws of Rhode Island, as amended. Such petition shall include, but is not limited to the following: [Approval Nos. 573, 1806 & 1827(G)(1), 16.2]

- (a) Identification of the specific air pollution control system and source on which it is installed; [Approval Nos. 573, 1806 & 1827(G)(1)(a), 16.2(a)]
 - (b) The expected period of time that the air pollution control system will be malfunctioning or out of service; [Approval Nos. 573, 1806 & 1827(G)(1)(b), 16.2(b)]
 - (c) The nature and quantity of air contaminants likely to be emitted during said period; [Approval Nos. 573, 1806 & 1827(G)(1)(c), 16.2(c)]
 - (d) Measures that will be taken to minimize the length of said period; [Approval Nos. 573, 1806 & 1827(G)(1)(d), 16.2(d)]
 - (e) The reasons that it would be impossible or impractical to cease the source operation during said period. [Approval Nos. 573, 1806 & 1827(G)(1)(e), 16.2(e)]
- (2) The permittee may seek to establish that a malfunction of any air pollution control system that would result in noncompliance with any of the terms of this permit or any other applicable air pollution control rules and regulations was due to unavoidable increases in emissions attributable to the malfunction. To do so, the permittee must demonstrate to the Office of Air Resources that: [Approval Nos. 573, 1806 & 1827(G)(2)]
- (a) The malfunction was not attributable to improperly designed air pollution control equipment, lack of preventative maintenance, careless or improper operation, or operator error; [Approval Nos. 573, 1806 & 1827(G)(2)(a)]
 - (b) The malfunction was not part of a recurring pattern indicative of inadequate design, operation, or maintenance; [Approval Nos. 573, 1806 & 1827(G)(2)(b)]

- (c) Repairs were performed in an expeditious fashion. Off-shift labor and overtime should be utilized, to the extent practicable, to ensure that such repairs were completed as expeditiously as practicable. [Approval Nos. 573, 1806 & 1827(G)(2)(c)]
- (d) All possible steps were taken to minimize emissions during the period of time that the repairs were performed. [Approval Nos. 573, 1806 & 1827(G)(2)(d)]
- (e) Emissions during the period of time that repairs were performed will not: [Approval Nos. 573, 1806 & 1827(G)(2)(e)]
 - (i) Cause an increase in ground level ambient concentration at or beyond the property line in excess of that allowed by Air Pollution Control Regulation No. 22 and any calculated acceptable ambient levels; and [Approval Nos. 573, 1806 & 1827(G)(2)(e)(1)]
 - (ii) Cause or contribute to air pollution in violation of any applicable state or national ambient air quality standard. [Approval Nos. 573, 1806 & 1827(G)(2)(e)(2)]
- (f) The reasons that it would be impossible or impractical to cease the source operation during said period. [Approval Nos. 573, 1806 & 1827(G)(2)(f)]
- (g) The permittee's action in response to the excess emissions were documented by properly signed, contemporaneous operating logs or other relevant evidence. [Approval Nos. 573, 1806 & 1827(G)(2)(g)]

This demonstration must be provided to the Office of Air Resources, in writing, within two working days of the time when the malfunction occurred and contain a description of the malfunction, any steps taken to minimize emissions and corrective actions taken. [Approval Nos. 573, 1806 & 1827(G)(2)]

The permittee shall have the burden of proof in seeking to establish that noncompliance was due to unavoidable increases in emissions attributable to the malfunction. [Approval Nos. 573, 1806 & 1827(G)(2)]

3. Monitoring Requirements

- a. The operating temperature of C002 shall be continuously monitored. [Approval Nos. 573, 1806 & 1827(C)(1), 29.6.3(a)]
- b. The static pressure within the Permanent Total Enclosure (PTE) shall be continuously monitored. [29.6.3(a)]
- c. The PTE Shall be inspected semi-annually and should include all the items required to demonstrate that the PTE criteria as established in 40 CFR 51, Appendix M, Method 204 “Criteria for Verification of a Permanent or Temporary Total Enclosure” are maintained. [29.6.3(a)]

4. Testing Requirements

- a. Control efficiency of C002 will be determined using USEPA Reference method 25 or other methods approved by the Director and USEPA. Calculations will be done on a solids applied basis. Continuous compliance will be maintained at all times. Compliance averaging times will be three hours. Once the control efficiency has been determined for any add – on control device by Reference Method 25, or any alternative method approved by the Office of Air Resources and USEPA, compliance shall be determined on an instantaneous basis time period (e.g. determined control efficiency shall be used to calculate whether samples from the process meet the applicable emissions limit.) [19.7.3]
- b. The emissions capture system for emission units P001, P002, P003, P005 and P013 when in place and operating, shall meet the criteria for a permanent total enclosure contained in 40 CFR 51, Appendix M, Method 204 “Criteria for and Verification of a Permanent or Temporary Total Enclosure”. [Approval Nos. 573, 1806 & 1827(F)(4)]

5. Recordkeeping Requirements

- a. The permittee shall collect, record and maintain the following information each month for P001, P002, P005, P013 and C002:
 - (1) The name and identification number of each coating used on emission units P001, P002, P005 and P013; [19.5.4(c)(1), Approval Nos. 573, 1806 & 1827(E)(1)(a)]
 - (2) The mass of VOC per unit volume of coating solids, as applied, the volume solids content, as applied and the volume, as applied, of each coating used; [19.5.4(c)(2)(i), Approval Nos. 573, 1806 & 1827(E)(1)(b)]

- (3) The type and amount of solvent used for diluents and clean up operations; [19.5.4(c)(4), Approval Nos. 573, 1806 & 1827(E)(1)(c)]
 - (4) A log of operating time for the capture system, control systems, monitoring equipment and emission units P001, P002, P005 and P013; [19.5.4(c)(5), Approval Nos. 573, 1806 & 1827(E)(1)(d), 29.6.3(a)]
 - (5) A maintenance log for the capture system, control devices and monitoring equipment detailing all routine and non-routine maintenance performed including dates and duration of any outages; [19.5.4(c)(6), Approval Nos. 573, 1806 & 1827(E)(1)(e), 29.6.3(a)]
 - (6) All three-hour periods of operation in which the average operating temperature of C002 was more than 50°F below the average operating temperature recorded during the most recent performance test that demonstrated that the facility was in compliance. [19.5.4(c)(7)(i), Approval Nos. 573, 1806 & 1827(E)(1)(f)]
- b. The operating temperature of C002 shall be continuously recorded. [Approval Nos. 573, 1806 & 1827(C)(1):(E)(1)(g), 29.6.3(a), 19.5.4(c)(7)(ii)]
 - c. The permittee shall maintain a record of all measurements, performance evaluations, calibration checks and maintenance or adjustments for each continuous monitor. [Approval Nos. 573, 1806 & 1827(E)(12), 29.6.3(a)]
 - d. The permittee shall, on a daily basis determine the total quantity of toluene, methyl ethyl ketone, methyl isobutyl ketone, methanol and isopropyl alcohol discharged to the atmosphere from C002. The permittee shall keep records to this determination and provide such records to the Office of Air Resources upon request. [Approval Nos. 573, 1806 & 1827(E)(2)(a), 29.6.3(b)]
 - e. The permittee shall, on a monthly basis, no later than 5 days after the first of the month, determine the total quantity of dimethyl formamide, methanol and toluene discharged to the atmosphere from C002 for the previous 12 months. The permittee shall keep records of this determination and provide such records to the Office of Air Resources upon request. [Approval Nos. 573, 1806 & 1827(E)(4)(a), 29.6.3(b)]
 - f. The permittee shall record the static pressure within the PTE once per day and the date, time and measurement shall be recorded. [29.6.3(a)]
 - g. The permittee shall record the date of the inspection of the PTE and

maintain the check list that is used to verify PTE configuration and maintenance status and exhaust systems conditions. [29.6.3(a)]

6. Reporting Requirements

- a. Except as allowed under Condition I.A.6.c of this permit the permittee must notify the Office of Air Resources no later than 24 hours after an exceedance of any emission limitation is discovered. The notification required under I.A.6.c, I.A.6.d and this condition shall include: [Approval Nos. 573, 1806 & 1827(E)(7), 19.5.4(d)(1)]
 - (1) Identification of the emission limitation exceeded
 - (2) Suspected reason for the exceedance
 - (3) Corrective action taken or to be taken
 - (4) Anticipated length of the exceedance

- b. The permittee, before changing the method of compliance from control devices to daily-weighted averaging or complying coatings, shall submit a Compliance Certification Plan to the Office of Air Resources for review and approval. Such plan shall include: [Approval Nos. 573, 1806 & 1827(E)(10), 19.5.2, 19.5.3]
 - (1) The name and location of the facility. [Approval Nos. 573, 1806 & 1827(E)(10)(a), 19.5.2(a)(1), 19.5.3(a)(1)]
 - (2) The name, address, and telephone number of the person responsible for the facility. [Approval Nos. 573, 1806 & 1827(E)(10)(b), 19.5.2(a)(2), 19.5.3(a)(2)]
 - (3) The name and identification number of the emission units which will comply by means of daily-weighted averaging or complying coatings. [Approval Nos. 573, 1806 & 1827(E)(10)(c), 19.5.2(a)(4), 19.5.3(a)(4)]
 - (4) For daily-weighted averaging:
 - (a) The instrument or method by which the permittee will accurately measure or calculate the volume of each coating (excluding water), as applied, used each day on each emission unit. [Approval Nos. 573, 1806 & 1827(E)(10)(d)(1), 19.5.2(a)(5)]

- (b) The method by which the permittee will create and maintain records each day as required by Subsection 19.5.2(c) of APC Regulation No. 19. [Approval Nos. 573, 1806 & 1827(E)(10)(d)(2), 19.5.2(a)(6)]
- (c) The time at which the permittee's day begins if a time other than midnight local time is used to define a day. [Approval Nos. 573, 1806 & 1827(E)(10)(d)(3), 19.5.2(a)(7)]
- (5) For complying coatings:
 - (a) The name and identification number of each coating, as applied, on each coating line or operation. [Approval Nos. 573, 1806 & 1827(E)(10)(e)(1), 19.5.3(a)(4)]
 - (b) The mass of VOC per volume coating (excluding water) and the volume of each coating (excluding water), as applied. [Approval Nos. 573, 1806 & 1827(E)(10)(e)(2), 19.5.3(a)(5)]
- (6) Information describing the effect of the change on emissions of any air contaminant. [Approval Nos. 573, 1806 & 1827(E)(10)(f), 9.2.1]
- (7) A demonstration that emissions from the stationary source will not cause an increase in the ground level ambient concentration at or beyond the property line in excess of that allowed by APC Regulation No. 22. [Approval Nos. 573, 1806 & 1827(E)(10)(g), 22.3.3(a)]
- c. The permittee shall notify the Office of Air Resources in writing, within 5 business days, whenever the total quantity of dimethyl formamide, methanol or toluene discharged to the atmosphere from C002 for the previous 12 months exceeds 71,000 pounds. [Approval Nos. 573, 1806 & 1827(E)(5)(a)]
- d. The permittee shall notify the Office of Air Resources within 24 hours, whenever: [Approval Nos. 573, 1806 & 1827(E)(3)]
 - (1) the total quantity of toluene or methyl ketone discharged to the atmosphere from C002 exceeds 8.2 pounds per hour or 195 pounds per day, or; [Approval Nos. 573, 1806 & 1827(E)(3)(a)]
 - (2) the total quantity of isopropyl alcohol or methanol discharged to the atmosphere from C002 exceeds 8.2 pounds per hour. [Approval Nos. 573, 1806 & 1827(E)(3)(b)]
 - (3) the total quantity of methyl isobutyl ketone discharged to the

atmosphere from C002 exceeds 195 pounds per day. [Approval Nos. 573, 1806 & 1827(E)(3)(c)]

- e. The permittee shall notify the Office of Air Resources whenever the PTE static pressure is less than -0.007 inches of water at any time. [29.6.3(a)]
- f. The permittee shall notify the Office of Air Resources whenever the operating temperature of C002 is less than 1500 °F. [29.6.3(a)]
- g. The permittee shall notify the Office of Air Resources of any anticipated noncompliance with the terms of Section I.A of this permit or any other applicable air pollution control rules and regulations. [Approval Nos. 573, 1806 & 1827(E)(8)]

7. Other Requirements

- a. To the extent consistent with the requirements of Section I.A of this permit and applicable federal and state laws, the equipment shall be operated in accordance with the representation of the equipment in the preconstruction permit application. [Approval Nos. 573, 1806 & 1827(F)(1)]
- b. At all times, including periods of startup, shutdown and malfunction, the permittee shall, to the extent practicable, maintain and operate the facility in a manner consistent with good air pollution control practice for minimizing emissions. Determination of whether acceptable operating and maintenance procedures are being used will be based on information available to the Office of Air Resources which may include, but is not limited to, monitoring results, opacity observations, review of operating and maintenance procedures and inspection of the source. [Approval Nos. 573, 1806 & 1827(F)(7)]

B. Requirements for Emission Unit P004

- Emission unit P004, which is a Marshall and Williams gas frame Model No. TGT-80. P004 is equipped with five heating zones, each utilizing one Maxon 515-SP burner rated at 1.5MMBTU/hr.

1. Emission Limitations

- a. The emissions of air contaminants discharged to the atmosphere from P004 shall not exceed the limitations in Table 1. These limitations were established to ensure that emissions from this facility do not exceed any of the Acceptable Ambient Levels (AALs) listed in Air Pollution Control Regulation No. 22, or any calculated acceptable ambient level (CAAL). The Limitations shown in pounds per year are calculated on a 12-month rolling

average. [Approval Nos. 573, 1806 & 1827(A)(5)]

Table 1. Emission Limitations

Pollutant	Stack	Limitation		
		pounds/hour	pounds/day	pounds/year
Methanol	P004	9.9	--	36,000

- b. The VOC content of each coating used on P004 shall not exceed 2.9 lbs. of VOC per gallon of coating (minus water). [Approval Nos. 573, 1806 & 1827(A)(6), 19.3.1, 19.3.2(b)]

2. Operating Requirements

- a. P004 shall not be used for any process having the potential to emit one hundred pounds or more per day, or ten pounds or more per hour of any air contaminant. [Approval Nos. 573, 1806 & 1827(B)(8)]

3. Testing Requirements

- a. Compliance with the coating emission limitations contained in Condition I.B.1.b of this permit shall be demonstrated in accordance with 40 CFR 60, Appendix A, Methods 24, 24A as amended or any other USEPA approved method which has been accepted by the Director. A one-hour bake time shall be used for Methods 24 and 24A, which apply to multi-component coatings. [19.7.1]

4. Recordkeeping Requirements

- a. The permittee shall, on a daily basis determine the total quantity of methanol discharged to the atmosphere from P004. The permittee shall keep records to this determination and provide such records to the Office of Air Resources upon request. [Approval Nos. 573, 1806 & 1827(E)(2)(b), 29.6.3(b)]
- b. The permittee shall, on a monthly basis, no later than 5 days after the first of the month, determine the total quantity of methanol discharged to the atmosphere from P004 for the previous 12 months. The permittee shall keep records to this determination and provide such records to the Office of Air Resources upon request. [Approval Nos. 573, 1806 & 1827(E)(4)(b), 29.6.3(b)]
- c. The permittee shall collect, record and maintain the following information each month for P004:

- (1) The name and identification number of each coating, as applied, on emission unit P004; [19.5.3(c)(1), 29.6.3(b)]
- (2) The mass of VOC per volume of each coating (excluding water), as applied, used each month on emission unit P004; [19.5.3(c)(2), 29.6.3(b)]
- (3) The type and amount of solvent used for diluents and clean up operations; [19.5.3(c)(4), 29.6.3(b)]

5. Reporting Requirements

- a. The permittee shall notify the Office of Air Resources in writing, within 5 business days, whenever the total quantity of methanol discharged to the atmosphere from P004 for the previous 12 months exceeds 36,000 pounds. [Approval Nos. 573, 1806 & 1827(E)(5)(b)]
- b. The permittee shall notify the Office of Air Resources within 24 hours, whenever the total quantity of methanol discharged to the atmosphere from P004 exceeds 9.9 pounds per hour. [Approval Nos. 573, 1806 & 1827(E)(3)(d)]
- c. The permittee shall notify the Director of any record showing use of any non-complying coatings by sending a copy of such record to the Director within 5 business days following that use. [19.5.3(d)(1)]
- d. The permittee, before changing the method of compliance from complying coatings to daily-weighted averaging or control devices, shall submit a Compliance Certification Plan to the Office of Air Resources for review and approval. Such plan shall include: [19.5.2, 19.5.4]
 - (1) The name and location of the facility; [19.5.2(a)(1), 19.5.4(a)(1)]
 - (2) The name, address and telephone number of the person responsible for the facility; [19.5.2(a)(2), 19.5.4(a)(2)]
 - (3) The name and identification number of each coating, as applied, on each coating line or operation; [19.5.2(a)(4), 19.5.4(a)(4)]
 - (4) For daily-weighted averaging:
 - (a) The instrument or method by which the permittee will accurately measure or calculate the volume of each coating (excluding water), as applied, used each day on each emission unit; [19.5.2(a)(5)]

- (b) The method by which the permittee will create and maintain records each day as required by Subsection 19.5.2(c) of APC Regulation 19; and [19.5.2(a)(6)]
 - (c) The time at which the facility's day begins if a time other than midnight local time is used to define a day. [19.5.2(a)(7)]
- (5) For control devices
- (a) The mass of VOC per volume coating solids applied and the gallons of solids of each coating applied; [19.5.4(a)(5)]
 - (b) Identification of each control device which will be or has been installed and date of installation; [19.5.4(a)(6)]
 - (c) Identification of coating lines which will be controlled by each control device and documentation of expected capture and destruction efficiency or reduction efficiency; and [19.5.4(a)(7)]
 - (e) Control device design information;
 - (i) For thermal incinerators - design combustion temperature (°F); [19.5.4(a)(8)(i)]
 - (ii) For catalytic incinerators - design exhaust gas temperature (°F), design temperature rise across catalyst bed (°F), anticipated frequency of catalyst change, and catalyst changes; [19.5.4(a)(8)(ii)]
 - (iii) For condensers - design inlet temperature of cooling medium (°F), design exhaust gas temperature (°F); and [19.5.4(a)(8)(iii)]
 - (iv) For carbon adsorbers - design pressure drop across the adsorber, VOC concentration at breakthrough. [19.5.4(a)(8)(iv)]
- (6) Information describing the effect of the change on the emissions of any air contaminant. [9.2.1]
- (7) A demonstration that emissions from the stationary source will not cause an increase in the ground level ambient concentration at or

beyond the property line in excess of that allowed by APC Regulation No.22. [22.3.3(a)] **Not Federally Enforceable**

- e. The permittee shall notify the Office of Air Resources of any anticipated noncompliance with the terms of Section I.B of permit or any other applicable air pollution control rules and regulations. [Approval Nos. 573, 1806 & 1827(E)(8)]

6. Other Requirements

- a. To the extent consistent with the requirements of Section I.B of this permit and applicable federal and state laws, the equipment shall be operated in accordance with the representation of the equipment in the preconstruction permit application. [Approval Nos. 573, 1806 & 1827(F)(1)]
- b. At all times, including periods of startup, shutdown and malfunction, the permittee shall, to the extent practicable, maintain and operate the facility in a manner consistent with good air pollution control practice for minimizing emissions. Determination of whether acceptable operating and maintenance procedures are being used will be based on information available to the Office of Air Resources which may include, but is not limited to, monitoring results, opacity observations, review of operating and maintenance procedures and inspection of the source. [Approval Nos. 573, 1806 & 1827(F)(7)]

C. Requirements for Emission Unit P006

The following requirements are applicable to:

- Emission unit P006, which is a Wel-Bilt batch, cold cleaning degreasing unit, Serial No. 159462.

1. Operating Requirements

- a. Equipment covers and dipping/rotating baskets shall be constructed of nonporous or nonabsorbent material. Covers must form a tight seal with the sides of P006 and have no gaps or holes. [36.4.1]
- b. When the cover for P006 is open, drafts at the same elevation as the tanks lip must not be greater than 40 m/min. (130 ft/min.) when measured 1 to 2 meters (3 to 7 feet) upwind. [36.4.2]
- c. Leaks shall be repaired immediately or P006 shall be shut down [36.4.3]
- d. P006 shall display a conspicuous summary of proper operating procedures

consistent with minimizing emissions of organic solvents. [36.4.4]

- e. Any solvent spray must be a solid, fluid stream which is delivered at a pressure no greater than 10 pounds per square inch (psi) and which does not cause excessive splashing. [36.4.5]
- f. Spills shall be wiped up immediately. The wipe rags shall be stored in covered containers meeting the specification in Condition I.C.1.1 of this permit. [36.4.6]
- g. Porous or absorbent materials, such as sponges, fabrics, wood, or paper products, shall not be cleaned in P006. [36.4.7]
- h. Parts baskets or parts shall be drained under the cover and shall not be removed from P006 for at least 15 seconds or until dripping ceases and the pieces are visually dry, whichever is longer. [36.4.8]
- i. Parts with cavities or blind holes shall be tipped or rotated while draining before removed from the vapor zone. [36.4.9]
- j. Parts shall be oriented for best drainage. [36.4.10]
- k. When solvent is added to or drained from P006 the solvent shall be transferred using threaded or other leak-proof couplings and the end of the pipe in the solvent sump shall be located beneath the liquid solvent surface. [36.4.11]
- l. Solvent, waste solvent, still bottoms, and sump bottoms shall be stored in covered containers and waste solvent transferal or disposal shall not allow greater than 20 percent of the waste solvent (by weight) to evaporate into the atmosphere. [36.4.12]
- m. P006 shall be maintained as recommended by the manufacturer of the equipment. [36.4.13]
- n. Operators must receive training in proper solvent cleaning procedures and, if requested by representatives of the Office of Air Resources or the USEPA during an inspection, shall complete and pass the applicable sections of the test on those procedures as shown in Appendix A of APC Regulation No. 36. [36.4.14]
- o. P006 shall be equipped with an attached cover that can be operated easily with one hand. The cover shall be closed at all times except during parts entry and removal. [36.5.1]

- p. The solvent sump of P006 must be equipped with a tight fitting cover that is kept closed at all times except during the cleaning of parts. [36.5.2]
- q. A freeboard ratio greater than or equal to 0.75 shall be used to control solvent emissions from P006. [36.5.3]
- r. If a flexible hose or flushing device is used, flushing shall be performed only within the freeboard zone of P006. [36.5.4]
- s. The height of solvent in P006 shall not exceed the manufacturer's fill line for that machine. [36.5.6]

2. Recordkeeping Requirements

- a. The permittee shall maintain the following records:
 - (1) Training provided to the operators of P006 for the lifetime of the unit; [36.10.4, 29.6.3(b)]
 - (2) The amount and type of solvent used in P006 for each year; [36.10.4(a), 29.6.3(b)]
 - (3) The date and type of each equipment malfunction or leak and the date the malfunction or leak is repaired. [36.10.4(b), 29.6.3(b)]

D. Requirements for Emission Units P007, P008, P009, P010, P011 and P012

The following requirements are applicable to:

- Emission unit P007, which is a custom built, cold cleaning dip tank degreasing unit.
- Emission unit P008, which is a custom built, cold cleaning dip tank degreasing unit.
- Emission unit P009, which is a custom built, cold cleaning dip tank degreasing unit.
- Emission unit P010, which is a custom built, cold cleaning dip tank degreasing unit.
- Emission unit P011, which is a custom built, cold cleaning dip tank degreasing unit.
- Emission unit P012, which is a custom built, cold cleaning dip tank degreasing unit.

1. Operating Requirements

- a. Equipment covers and dipping/rotating baskets shall be constructed of nonporous or nonabsorbent material. Covers must form a tight seal with the sides of P007, P008, P009, P010, P011 and P012 and have no gaps or holes. [36.4.1]
- b. When the cover for P007, P008, P009, P010, P011 and P012 are open, drafts at the same elevation as the tanks lip must not be greater than 40 m/min. (130 ft/min.) when measured 1 to 2 meters (3 to 7 feet) upwind. [36.4.2]
- c. Leaks shall be repaired immediately or P007, P008, P009, P010, P011 and P012 shall be shut down [36.4.3]
- d. P007, P008, P009, P010, P011 and P012 shall display a conspicuous summary of proper operating procedures consistent with minimizing emissions of organic solvents. [36.4.4]
- e. Spills shall be wiped up immediately. The wipe rags shall be stored in covered containers meeting the specification in Condition I.D.1.1 of this permit. [36.4.6]
- f. Porous or absorbent materials, such as sponges, fabrics, wood, or paper products, shall not be cleaned in P007, P008, P009, P010, P011 and P012. [36.4.7]
- g. Parts baskets or parts shall be drained under the cover and shall not be removed from P007, P008, P009, P010, P011 and P012 for at least 15 seconds or until dripping ceases and the pieces are visually dry, whichever is longer. [36.4.8]
- h. Parts with cavities or blind holes shall be tipped or rotated while draining before removed from the vapor zone. [36.4.9]
- i. Parts shall be oriented for best drainage. [36.4.10]
- j. When solvent is added to or drained from P007, P008, P009, P010, P011 and P012 the solvent shall be transferred using threaded or other leak-proof couplings and the end of the pipe in the solvent sump shall be located beneath the liquid solvent surface. [36.4.11]
- k. Solvent, waste solvent, still bottoms, and sump bottoms shall be stored in covered containers and waste solvent transferal or disposal shall not allow greater than 20 percent of the waste solvent (by weight) to evaporate into

the atmosphere. [36.4.12]

- l. P007, P008, P009, P010, P011 and P012 shall be maintained as recommended by the manufacturer of the equipment. [36.4.13]
- m. Operators must receive training in proper solvent cleaning procedures and, if requested by representatives of the Office of Air Resources or the USEPA during an inspection, shall complete and pass the applicable sections of the test on those procedures as shown in Appendix A of APC Regulation No. 36. [36.4.14]
- n. P007, P008, P009, P010, P011 and P012 shall be equipped with an attached cover that can be operated easily with one hand. The covers shall be closed at all times except during parts entry and removal. [36.5.1]
- o. A freeboard ratio greater than or equal to 0.75 shall be used to control solvent emissions from P007, P008, P009, P010, P011 and P012. [36.5.3]
- p. If a flexible hose or flushing device is used, flushing shall be performed only within the freeboard zone of P007, P008, P009, P010, P011 and P012. [36.5.4]
- q. The height of solvent in P007, P008, P009, P010, P011 and P012 shall not exceed the manufacturer's fill line for that machine. [36.5.6]

2. Recordkeeping Requirements

- a. The permittee shall maintain the following records:
 - (1) Training provided to the operators of P007, P008, P009, P010, P011 and P012 for the lifetime of the unit; [36.10.4, 29.6.3(b)]
 - (2) The amount and type of solvent used in P007, P008, P009, P010, P011 and P012 for each year; [36.10.4(a), 29.6.3(b)]
 - (3) The date and type of each equipment malfunction or leak and the date the malfunction or leak is repaired. [36.10.4(b), 29.6.3(b)]

E. Facility Requirements

1. Emission Limitations

- a. The emissions of air contaminants discharged to the atmosphere from C002 and P004 shall not exceed the limitations in Table 1. These limitations were established to ensure that emissions from this facility do not exceed any of

the Acceptable Ambient Levels (AALs) listed in Air Pollution Control Regulation No. 22, or any calculated acceptable ambient level (CAAL). The

Limitations shown in pounds per year are calculated on a 12-month rolling average. [Approval Nos. 573, 1806 & 1827(A)(5)]

Table 1. Emission Limitations

Pollutant	Stack	Limitation		
		pounds/hour	pounds/day	pounds/year
Formaldehyde	C002 and P004	1.66	79.9	291.9

2. Operating Requirements

- a. Any material containing dimethyl formamide, toluene, methyl ethyl ketone, methyl isobutyl ketone, or isopropyl alcohol shall be used only on equipment that discharges to C002. [Approval Nos. 573, 1806 & 1827(B)(7)]

3. Recordkeeping Requirements

- a. The permittee shall, on a daily basis determine the total quantity of formaldehyde discharged to the atmosphere from C002 and P004. The permittee shall keep records to this determination and provide such records to the Office of Air Resources upon request. [Approval Nos. 573, 1806 & 1827(E)(2)(c), 29.6.3(b)]
- b. The permittee shall, on a monthly basis, no later than 5 days after the first of the month, determine the total combined quantity of formaldehyde discharged to the atmosphere from C002 and P004 for the previous 12 months. The permittee shall keep records to this determination and provide such records to the Office of Air Resources upon request. [Approval Nos. 573, 1806 & 1827(E)(4)(c), 29.6.3(b)]

4. Reporting Requirements

- a. The permittee shall notify the Office of Air Resources in writing, within 5 business days, whenever the total combined quantity of formaldehyde discharged to the atmosphere from C002 and P004 for the previous 12 months exceeds 291.9 pounds. [Approval Nos. 573, 1806 & 1827(E)(5)(c)]

- b. The permittee shall notify the Office of Air Resources within 24 hours, whenever the total combined quantity of formaldehyde discharged to the atmosphere from C002 and P004 exceeds 1.66 pounds per hour or 79.9 pounds per day. [Approval Nos. 573, 1806 & 1827(E)(3)(e)]
- c. The permittee shall demonstrate actual surplus VOC emission reduction tonnage on an annual basis by calculating the difference in the facility's annual emissions using the overall demonstrated control efficiency of C002 as compared to 95% overall control efficiency from coating operations and no (0%) control on VOC emissions for P003. The permittee shall submit documentation to the Office of Air Resources demonstrating surplus VOC emission reduction tonnage on an annual basis on or before 1 April of each year until sixty-two (62) tons of surplus VOC reductions has been achieved. [Consent Agreement OC&I File No. 03-03(C)(4)(e)] **[Not Federally Enforceable]**

5. Other Requirements

- a. The permittee shall file a completed Air Toxics Operating Permit Application with the Office of Air Resources within 60 days of written notice from the Director. [22.5.2] **[Not Federally Enforceable]**
- b. The facility is subject to the requirements of 40 CFR 63.1-15, Subpart A, "General Provisions" [as indicated in Table 3 to Subpart OOOO of 40 CFR 63] and 40 CFR 63, Subpart OOOO, National Emission Standards for Hazardous Air Pollutants for Printing, Coating, and Dyeing of Fabrics and Other Textiles. Compliance with all applicable provisions therein is required, unless otherwise stated in this permit. The permittee must comply with the standards in Subpart OOOO by 29 May 2006. [40 CFR 63.4283, 40 CFR 63.4301, Approval Nos. 573, 1806 & 1827(F)(5)]
- c. If, at any time after the installation of C002, but prior to compliance with Condition I.E.4.c of this permit, the permittee permanently ceases operations at the facility for any reason, the permittee shall purchase VOC emission offset credits equal to the difference between sixty-two (62) tons of VOC and the total actual surplus emission reduction tonnage of VOC realized by the capture and control of VOC by C002, as described in Condition I.E.4.c of this permit. The permittee shall notify the Office of Air Resources in writing within 5 business days of its knowledge and/or decision to permanently cease operations at the facility, and submit documentation to the Office of Air Resources that said emission offset credits have been obtained. [Consent Agreement OC&I File No. 03-03(D)(2)(b)] **[Not Federally Enforceable]**

F. Alternative Operating Scenario for Emission Units P001, P002, P004, P005 and P013

- When the permittee conducts trial surface coating operations it will be subject to the following requirements:

1. Emission Limitations

- a. The permittee may conduct trial surface coating operations subject to the following conditions. Trial surface coating operations do not include the production for sale of established products through established processes. [Approval Nos. 573, 1806 &1827(H)(1)]
 - (1) The permittee shall comply with the provisions of Air Pollution Control Regulation No. 9 by limiting the total quantity of emissions discharged to the atmosphere, from the trial surface coating operations to no more than: [Approval Nos. 573, 1806 &1827(H)(1)(a)]
 - (a) 10 pounds per hour or 100 pounds per day of VOC, whichever is more stringent; and, [Approval Nos. 573, 1806 &1827(H)(1)(a)(1)]
 - (b) the minimum quantity for any listed toxic air contaminant, as specified in Appendix A of Air Pollution Control Regulation No. 9. [Approval Nos. 573, 1806 &1827(H)(1)(a)(2)]
- b. The permittee shall comply with the provisions of Air Pollution Control Regulation No. 19 by limiting emissions from the trial surface coating operations to no more than: [Approval Nos. 573, 1806 &1827(H)(1)(b)]
 - (1) 4.79 pounds of VOC per gallon of solids if add-on VOC control equipment is used on the surface coating line, or; [Approval Nos. 573, 1806 &1827(H)(1)(b)(1)]
 - (2) 2.9 pounds of VOC per gallon of coating, minus water, if add-on VOC control equipment is not used on the surface coating line. [Approval Nos. 573, 1806 &1827(H)(1)(b)(2)]

2. Recordkeeping Requirements

- a.. The permittee shall maintain the following records to determine compliance with Air Pollution Control Regulation No. 9 for the trial surface coating operations. These records shall be maintained for a period of five (5) years and shall be available for inspection by the Office of Air Resources and the Environmental Protection Agency upon request for the purpose of

determining compliance with this condition. These records shall include the following: [Approval Nos. 573, 1806 &1827(H)(1)(c)]

- (1) The date, start time and end time for each coating trial and the quantity of coating used for each coating trial; [Approval Nos. 573, 1806 &1827(H)(1)(c)(1), 29.6.3(b)]
- (2) The name, identification number and amount used each hour and each day of each coating, as applied. [Approval Nos. 573, 1806 &1827(H)(1)(c)(2),29.6.3(b)]
- (3) For each coating used, the VOC content in, pounds of VOC per gallon of coating and pounds of VOC per gallon of coating solids, as applied, and the quantity of any listed toxic air contaminant in pounds per gallon of coating as applied; [Approval Nos. 573, 1806 &1827(H)(1)(c)(3),29.6.3(b)]
- (4) The type and amount of any solvent used for diluents and cleanup operations. [Approval Nos. 573, 1806 &1827(H)(1)(c)(4), 29.6.3(b)]
- (5) Records of any and all calculations documenting the as applied VOC content in pounds per gallon of coating and pounds per gallon of coating solids and the listed toxic air contaminant content in pounds per gallon of coating. [Approval Nos. 573, 1806 1827(H)(1)(c)(5), 29.6.3(b)]

3. Reporting Requirements

- a. The permittee shall notify the Office of Air Resources in writing, within 5 business days, whenever the total quantity of emissions discharged to the atmosphere, from the trial operations exceeds: [Approval Nos. 573, 1806 &1827(H)(1)(d)]
 - (1) 10 pounds per hour or 100 pounds per day of VOC, whichever is more stringent; or, [Approval Nos. 573, 1806 &1827(H)(1)(d)(1)]
 - (2) the minimum quantity for any listed toxic air contaminant, as specified in Appendix A of Air Pollution Control Regulation No. 9. [Approval Nos. 573, 1806 &1827(H)(1)(d)(2)]
- b. The permittee shall notify the Office of Air Resources in writing, within 5 business days, whenever the VOC emissions from the trial operations exceeds: [Approval Nos. 573, 1806 &1827(H)(1)(e)]

- (1) 4.79 pounds of VOC per gallon of solids if add-on VOC control equipment is used on the surface coating line, or; [Approval Nos. 573, 1806 & 1827(H)(1)(e)(1)]
- (2) 2.9 pounds of VOC per gallon of coating, minus water, if add-on VOC control equipment is not used on the surface coating line. [Approval Nos. 573, 1806 & 1827(H)(1)(e)(2)]

SECTION II. GENERAL CONDITIONS

A. Annual Emissions Fee Payment

The permittee shall pay an annual emissions fee as established in Air Pollution Control Regulation No. 28 "Operating Permit Fees". [29.6.8(d)]

B. Permit Renewal and Expiration

This permit is issued for a fixed term of 5 years. The permittee's right to operate this source terminates with the expiration of this permit unless a timely and complete renewal application is submitted at least 12 months prior to the date of permit expiration. Upon receipt of a complete and timely application for renewal, this source may continue to operate subject to final action by the Office of Air Resources on the renewal application. In such an event, the permit shield in Condition II.Y of this permit shall extend beyond the original permit term until renewal. This protection shall cease to apply if, subsequent to a completeness determination, the applicant fails to submit by the deadline specified in writing by the Office of Air Resources any additional information identified as being needed to process the application. The application for renewal shall include the current permit number, description of permit revisions and off-permit changes that occurred during the permit term, and any applicable requirements that were promulgated and not incorporated into the permit during the permit term. [29.6.8(a),29.4.2(c), 29.4.6]

C. Transfer of Ownership or Operation

This permit is nontransferable by the permittee. Future owners and operators must obtain a new operating permit from the Office of Air Resources. A change in ownership or operational control of this source is treated as an administrative permit amendment if no other change in this permit is necessary and provided that a written agreement containing a specific date for transfer of permit responsibility, coverage, and liability between the current and new permittee has been submitted to the Office of Air Resources. [29.10.1(a)(4)]

D. Property Rights

This permit does not convey any property rights of any sort, or any exclusive privilege. [29.6.8(c)(4)]

E. Submissions

1. Reports, test data, monitoring data, notifications, and requests for renewal shall be submitted to :

RIDEM - Office Air Resources
Compliance Assurance Section
235 Promenade St. Room 230
Providence, RI 02908

2. Any records, compliance certifications and monitoring data required by the provisions of this permit to be submitted to USEPA shall be sent to:

USEPA Region I
Office of Environmental Stewardship
Director, Air Compliance Program
Attn: Air Compliance Clerk
One Congress St. Suite 1100 (SEA)
Boston, MA 02114 - 2023

3. Any document submitted shall be certified as being true, accurate, and complete by a responsible official. This certification shall state that, based on information and belief formed after reasonable inquiry, the statements and information in the certification are true, accurate, and complete. [29.6.8(e)]

F. Inspection and Entry

1. Employees of the Office of Air Resources and its authorized representatives shall be allowed to enter this facility at all reasonable times for the purpose of:
 - a. having access to and copying at reasonable times any records that must be kept under the conditions of this permit;
 - b. inspecting at reasonable times any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under this permit; and
 - c. sampling or monitoring, at reasonable times, substances or parameters for the purpose of assuring compliance with this permit or other applicable requirements.[RIGL 23-23-5(7), 29.6.8(f)(1-4), Approval Nos. 573, 1806 & 1827(F)(6)]

Nothing in this condition shall limit the ability of USEPA to inspect or enter the premises of the permittee under Section 114 or other provisions of the Clean Air Act.

G. Compliance

1. The permittee must comply with all conditions of this permit. Any noncompliance with a federally enforceable permit condition constitutes a violation of the Clean Air Act and is grounds for enforcement action, for permit termination, revocation and reissuance or modification, or for denial of a permit renewal application. Any noncompliance with a permit condition designated as state only enforceable constitutes a violation of state rules only and is grounds for enforcement action, for permit termination, revocation and reissuance or modification, or for denial of a permit renewal application. [29.6.8(c)(1)]
2. For each unit at the facility for which an applicable requirement becomes effective during the permit term, the permittee shall meet such requirements on a timely basis unless a more detailed schedule is expressly required by the applicable requirement. [29.6.5(a)]
3. It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit. [29.6.8(c)(2)]

H. Excess Emissions Due to an Emergency

As the term is used in this condition an "emergency" means any situation arising from sudden and reasonably unforeseeable events beyond the control of this source, including acts of God, which situation requires immediate corrective action to restore normal operation, and that causes this source to exceed a technology-based emission limitation under this permit, due to unavoidable increases in emissions attributable to the emergency. An emergency shall not include noncompliance to the extent caused by improperly designed equipment, lack of preventative maintenance, careless or improper operation, or operator error. [29.6.11(b)]

Technology-based emission limits are those established on the basis of emission reductions achievable with various control measures or process changes (e.g., a new source performance standard) rather than those established to attain a health based air quality standard.

The permittee may seek to establish that noncompliance with a technology-based emission limitation under this permit was due to an emergency. To do so, the permittee shall demonstrate the affirmative defense of emergency through properly signed, contemporaneous operating logs, or other relevant evidence that: [29.6.11(a) & 29.6.11(c)]

1. an emergency occurred and that the permittee can identify the cause(s) of the emergency; [29.6.11(c)(1)]
2. the permitted facility was at the time being properly operated; [29.6.11(c)(2)]

3. during the period of the emergency, the permittee took all reasonable steps to minimize levels of emissions that exceeded the emissions standards, or other requirements in this permit; and [29.6.11(c)(3)]
4. the permittee submitted notice of the emergency to the Office of Air Resources within 2 working days of the time when emission limitations were exceeded due to the emergency. This notice must contain a description of the emergency, any steps taken to mitigate emissions, and corrective actions taken. This notice fulfills the requirements of Condition II.AA.3 of this permit. [29.6.11(c)(4)]

The permittee shall have the burden of proof in seeking to establish the occurrence of an emergency. [29.6.11(d)]

I. Duty to Provide Information

The permittee shall furnish to the Office of Air Resources, within a reasonable time, any pertinent information that the Office of Air Resources may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating the permit, or to determine compliance with the permit. Upon request, the permittee shall also furnish to the Office of Air Resources copies of records that the permittee is required to keep by this permit, or for information claimed to be confidential, the permittee may furnish such records directly to the Administrator along with a claim of confidentiality. [29.6.8(c)(5)]

J. Duty to Supplement

The permittee, upon becoming aware that any relevant facts were omitted or incorrect information was submitted in the permit application, shall promptly submit such supplementary facts or corrected information to the Office of Air Resources. The permittee shall also provide additional information as necessary to address any requirements that become applicable to the source after the date a complete renewal application was submitted but prior to release of a draft permit. [29.5.4]

K. Reopening for Cause

The Office of Air Resources will reopen and revise this permit as necessary to remedy deficiencies in the following circumstances:

1. Additional requirements under the Clean Air Act become applicable to a major source 3 or more years prior to the expiration date of this permit. Such a reopening shall be completed no later than 18 months after promulgation of the applicable requirement. No such reopening is required if the effective date of the requirement is later than the expiration date of this permit, unless this permit or any of its terms and conditions has been extended. [29.6.13(a)]

2. The Office of Air Resources or the Administrator determines that this permit contains a material mistake or inaccurate statements were made in establishing the emissions standards or other terms or conditions of this permit. [29.6.13(c)]
3. The Office of Air Resources or the Administrator determines that the permit must be revised or revoked to assure compliance with the applicable requirements. [29.6.13(d)]

Reopenings shall not be initiated before a notice of intent to reopen is provided to the permittee by the Office of Air Resources at least 30 days in advance of the date that this permit is to be reopened, except that the Office of Air Resources may provide a shorter time period (but not less than 5 days) in the case of an emergency. [29.9.5(b)]

Proceedings to reopen and issue this permit shall follow the same procedures as apply to initial permit issuance and shall affect only those parts of this permit for which cause to reopen exists. Such reopening shall be made as expeditiously as practicable. [29.9.5(a)]

All permit conditions remain in effect until such time as the Office of Air Resources takes final action. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any permit condition. [§70.6(a)(6)(iii)]

L. Severability Clause

The provisions of this permit are severable, and if any provision of this permit, or the application of any provision of this permit to any circumstance, is held invalid, the application of such provision to other circumstances, and the remainder of this permit, shall not be affected thereby. [29.6.8(b)]

M. Off-Permit Changes

1. The permittee is allowed to make certain changes that are not addressed or prohibited by this permit without a permit revision, provided that the following conditions are met: [29.11.2(a)]
 - a. Each such change shall not violate any term or condition of this permit. [29.11.2(b)]
 - b. Each change shall comply with all applicable requirements. [29.11.2(b)]
 - c. Changes under this provision may not include changes or activities subject to any requirement under Title IV or modifications under any provision of Title I of the Clean Air Act. [29.11.2(a)]

- d. Before the permit change is made, the permittee must provide contemporaneous written notice to the Office of Air Resources and the USEPA Region I, except for changes that qualify as insignificant activities in Appendix A of APC Regulation No. 29. This notice shall describe each change, including the date, and change in emissions, pollutants emitted, and any applicable requirement that would apply as a result of the change. [29.11.2(c)]
 - e. The permit shield does not apply to changes made under this provision. [29.11.2(d)]
 - f. The permittee shall keep a record describing changes made at the stationary source that result in emissions of a regulated air pollutant subject to an applicable requirement, but not otherwise regulated under this permit, and the emissions resulting from those changes, including any other data necessary to show compliance with applicable ambient air quality standards. The record shall reside at the permittee's facility. [29.11.2(e)]
2. Changes made pursuant to this provision shall not be exempt from the requirement to obtain a minor source permit pursuant to the requirements of Air Pollution Control Regulation No. 9, if applicable. [29.11.2(a)]
 3. Changes made pursuant to this provision shall be incorporated into this permit at the time of renewal. [29.11.2(f)]

N. Section 502(b)(10) Changes

1. The permittee is allowed to make changes within this permitted facility that contravene the specific terms of this permit without applying for a permit revision, provided the changes do not exceed the emissions allowable under this permit, whether expressed therein as a rate of emissions or in terms of total emissions and are not Title I modifications. This class of changes does not include:
 - a. changes that would violate applicable requirements; or
 - b. changes to federally-enforceable permit terms or conditions that are monitoring (including test methods), recordkeeping, reporting, or compliance certification requirements. [29.11.1(a), 29.1.36]
2. The permittee shall provide written notice to the Office of Air Resources and the USEPA Region I of any change made under this provision. The notice must be received by the Office of Air Resources no later than fourteen (14) days in advance of the proposed changes. The notice shall include information describing the nature of the change, the effect of the change on the emission of any air contaminant, the

scheduled completion date of the planned change and identify any permit terms or conditions that are no longer applicable as a result of the change. The permittee shall attach each notice to its copy of this permit. [29.11.1(a)(1), 29.11.1(a)(2)]

3. The permittee shall be allowed to make such change proposed in its notice the day following the last day of the advance notice described in paragraph 2 if the Office of Air Resources has not responded nor objected to the proposed change on or before that day. [29.11.1(b)]
4. Any permit shield provided in this permit does not apply to changes made under this provision. If subsequent changes cause the permittee's operations and emissions to revert to those anticipated in this permit, the permittee resumes compliance with the terms and conditions of the permit, and has provided the Office of Air Resources and USEPA with a minimum of fourteen (14) days advance notice of such changes in accordance with the provisions of paragraph 2, the permit shield shall be reinstated in accordance with terms and conditions stated in this permit. [29.11.1(c)]
5. Changes made pursuant to this provision shall be incorporated into the operating permit at the time of renewal. [29.11.1(d)]

O. Emissions Trading

No permit revision shall be required under any approved economic incentives, marketable permits, emissions trading, and other similar programs or processes for changes that are provided for in the permit. [29.6.6(a)]

P. Emission of Air Contaminants Detrimental to Person or Property

The permittee shall not emit any air contaminant which either alone or in connection with other emissions, by reason of their concentration or duration, may be injurious to human, plant or animal life, or cause damage to property or which unreasonably interferes with the enjoyment of life or property. [7.1]

Q. Odors

1. The permittee shall not emit or cause to be emitted into the atmosphere any air contaminant or combination of air contaminants which creates an objectionable odor beyond the property line of this facility. [17.1]
2. A staff member of the Office of Air Resources shall determine by personal observation if an odor is objectionable, taking into account its nature, concentration, location, duration and source. [17.2]

R. Visible Emissions

1. Except as may be specified in other provisions of this permit, the permittee shall not emit into the atmosphere, from any emission unit, any air contaminant, for a period or periods aggregating more than three minutes in any one hour, which is greater than or equal to 20 percent opacity. [1.2] Where the presence of uncombined water is the only reason for failure to meet this requirement, such failure shall not be a violation of this permit. [1.4]
2. Tests for determining compliance with the opacity limitations specified in this permit shall be performed per 40 CFR 60, Appendix A, Method 9. Additionally, all observers must qualify as per 40 CFR 60, Appendix A, Method 9. [1.3.1, 1.3.2]

S. Open Fires

It shall be unlawful for the permittee to burn any material in an open fire, except as provided in APC Regulation No. 4, Section 4.3. [4.2]

T. Construction Permits

It shall be unlawful for the permittee to construct, install, modify or cause the construction, installation or modification of any stationary source subject to the provisions of APC Regulation No. 9 without obtaining either a minor source permit or a major source permit from the Director. [9.2.1]

U. Air Pollution Episodes

Conditions justifying the proclamation of an air pollution alert, air pollution warning or air pollution emergency shall be deemed to exist whenever the Director determines that the accumulation of air pollutants in any place is attaining or has attained levels which could, if such levels are sustained or exceeded, lead to a substantial threat to the health of persons. If the governor declares an air pollution alert, air pollution warning or air pollution emergency, the permittee shall comply with the applicable requirements contained in APC Regulation No. 10. [10.1]

V. Fugitive Dust

The permittee shall not cause or permit any materials, including but not limited to sand, gravel, soil, aggregate and any other organic or inorganic solid matter capable of releasing dust, to be handled, transported, mined, quarried, stored or otherwise utilized in any way so as to cause airborne particulate matter to travel beyond the property line of the facility without taking adequate precautions to prevent particulate matter from becoming airborne. Such precaution shall be in accordance with good industrial practice as determined by the Director and/or shall be other reasonable fugitive dust prevention measures as determined by the Director. [5.2]

W. Compliance Certifications

1. The permittee shall submit a certification of compliance with permit terms and conditions annually. [29.6.5(c)(1)]
2. The certification shall describe the following:
 - a. the permit term or condition that is the basis of the certification; [29.6.5(c)(3)a]
 - b. the current compliance status; [29.6.5(c)(3)b]
 - c. whether compliance was continuous or intermittent; and [29.6.5(c)(3)c]
 - d. the methods used for determining compliance, currently and over the reporting period. [29.6.5(c)(3)d]
3. All compliance certifications shall be submitted to the Office of Air Resources and to the USEPA Region I. It shall be submitted within 60 days following the end of the reporting period which is the calendar year unless otherwise specified. [29.6.5(c)(4)]
4. All compliance certifications shall be certified as being true, accurate, and complete by a responsible official. This certification shall state that, based on information and belief formed after reasonable inquiry, the statements and information in the certification are true, accurate, and complete. [29.6.8(e)]

X. Permit Shield

1. Compliance with the terms and conditions of this permit shall be deemed compliance with all requirements applicable to the source in: Approval Nos. 573, 1806 & 1827, 40 CFR 63.4283 and 40 CFR 63.4301 of Subpart OOOO and Consent Agreement OC&I File No. 03-03, 40 CFR Part 64 and Rhode Island APC Regulation Nos. 1, 4, 5, 7, 9, 10, 14, 16, 17, 19, 22, 28, 29 and 36. [29.6.12(a)(1)]
2. The Office of Air Resources has determined that units P001, P002, P003, P004, P005, P006, P007, P008, P009, P010, P011, P012 and P013 are not subject to Rhode Island APC Regulation Nos. 2, 3, 6, 8, 11, 12, 13, 15, 20, 21, 24, 25, 26, 27, 30, 31, 32, 33, 35, 39 and 41. [29.6.12(a)(2)]
3. Nothing in this permit shall alter or affect the following:
 - a. the provisions of Section 303 of the Clean Air Act, including the authority of USEPA under that Section. [29.6.12(c)(1)]

- b. the liability of the permittee for any violation of applicable requirements prior to or at the time of permit issuance. [29.6.12(c)(2)]
 - c. the applicable requirements of the acid rain program consistent with Section 408 of the Clean Air Act. [29.6.12(c)(3)]
 - d. the ability of the USEPA to obtain information under Section 114 of the Act. [29.6.12(c)(4)]
3. If it is determined that this operating permit was issued based on inaccurate or incomplete information provided by the permittee, this permit shield shall be void as to the portions of this permit which are affected, directly or indirectly, by the inaccurate or incomplete information. [29.6.12(d)]

Y. Recordkeeping

1. The permittee shall, at the request of the Director, maintain and record of and provide data on operational processes, fuel usage, raw materials, stack dimensions, exhaust gas flow rates and temperatures, emissions of air contaminants, steam or hot water generator capacities, types of equipment producing air contaminants and air pollution control systems or other data that may be necessary to determine if the facility is in compliance with air pollution control regulations. [14.2.1]
2. All records and supporting information required by this permit shall be maintained at the permittee's 1425 Kingston Road facility or at Kenyon Industries at 36 Sherman Avenue, Shannock RI for a period of at least 5 years from the date of sample monitoring, measurement, report or application, and shall be made available to representatives of the Office of Air Resources and USEPA upon request. Supporting information includes all calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation, and copies of all reports required by this permit. [14.2.1, 29.6.4, Approval Nos. 573, 1806 & 1827(E)(13)]
3. The permittee shall keep records of required monitoring information that include the following:
 - a. The date, place and time of sampling or measurements; [29.6.4(a)(1)a]
 - b. The date(s) analyses were performed; [29.6.4(a)(1)b]
 - c. The company or entity that performed the analyses; [29.6.4(a)(1)c]
 - d. The analytical techniques or methods used; [29.6.4(a)(1)d]
 - e. The results of such analyses; and [29.6.4(a)(1)e]

- f. The operating conditions as existing at the time of sampling or measurement. [29.6.4(a)(1)f]

Z. Reporting

1. The information recorded by the permittee pursuant to Condition II.Y.1 of this Section shall be summarized and reported at least annually to the Director. It shall be submitted by April 15th unless otherwise specified. [14.2.2, 19.6.1] Information submitted pursuant to this condition will be correlated with applicable emissions limitations and other applicable emissions information and will be available for public inspection. [14.2.3]
2. The permittee shall submit reports of any required monitoring for each semiannual period ending 30 June and 31 December of each calendar year. These reports shall be due to the Office of Air Resources no later than forty-five (45) days after the end of the reporting period. All instances of deviations from permit requirements must be clearly identified in such reports. All required reports must be certified by a responsible official consistent with Condition II.W.4. [29.6.4(b)(1)]
3. Deviations from permit conditions, including those attributable to upset conditions as defined in this permit, shall be reported, in writing, within five (5) business days of the deviation, to the Office of Air Resources. Reports shall describe the probable cause of such deviations, and any corrective actions or preventive measures taken. Each report must be certified by a responsible official consistent with Condition II.W.4. of this permit. [Approval Nos. 573, 1806 & 1827(E)(9(a-f), 29.6.4(b)(2)]
4. The Office of Air Resources shall be notified in writing of any planned physical change or operational change to the emissions units and control devices identified in this permit. Such notification shall include information describing the nature of the change, information describing the effect of the change on the emissions of air contaminants and the scheduled completion date of the planned change. Any change which may result in an increased emission rate of any air contaminant shall be subject to approval of the Office of Air Resources. [Approval Nos. 573, 1806 & 1827(E)(11)]

AA. Credible Evidence

For the purpose of submitting compliance certifications or establishing whether or not the permittee has violated or is in violation of any provision of this permit, the methods used in this permit shall be used, as applicable. However, nothing in this permit shall preclude the use, including the exclusive use, of any credible evidence or information, relevant to whether the permittee would have been in compliance with applicable requirements if the appropriate performance or compliance test procedures or methods had been performed. [40 CFR 51.212c, 52.12c and 52.33a]

BB. Emission Statements

1. The permittee shall submit annually an emission statement which includes information for both VOC and NO_x if facility wide actual emissions are 25 tons per year of either pollutant. Emission statements shall be submitted to the Director on April 15th of each year unless otherwise specified. The permittee may apply to the Office of Air Resources to be allowed to discontinue submitting annual emission statements if actual emissions at the facility decrease to below 10 tons per year as a result of a permanent process change. [14.3.1]. The permittee shall submit this emission statement in a format approved by the Office of Air Resources. The emission statement shall contain the following information: [14.3.2]
 - a. A certification that the information contained in the emission statement is accurate and complete to the best knowledge of the certifying individual.
 - b. The full name, title, signature, date of signature, and telephone number of the certifying individual.
 - c. Facility identification information, including the full name, physical location, mailing address, latitude, longitude, and four digit SIC code(s).
 - d. Process data pertaining to each process emitting VOC and/or NO_x, including:
 - (1) Annual and typical ozone season daily fuel use,
 - (2) Annual and typical ozone season daily process rate(s), and
 - (3) Process throughput while air pollution control equipment was not in operation.
 - e. Operating data pertaining to each process emitting VOC and/or NO_x during the reporting year, including:
 - (1) Percentage annual throughput,
 - (2) Average hours of operation per day during the reporting year and on a typical ozone season day,
 - (3) Average number of days of operation per week during the reporting year and during a typical ozone season week, and
 - (4) Weeks of operation during the reporting year and during the peak ozone season.
 - f. Control equipment information, including:
 - (1) Specific primary and secondary control equipment for each process emitting VOC and/or NO_x,
 - (2) Current overall control efficiency for each piece of control equipment

- (indicated by percent capture and percent destruction or removal),
and
- (3) Control equipment downtime during the reporting year and during the peak ozone season.
- g. Emissions information, including:
- (1) Actual annual and typical ozone season daily emissions of VOC and NO_x for each process. Emissions should be reported in tons per year and in pounds per day.
 - (2) A description of the emission calculation method and, if applicable, emission factor(s) used, and
 - (3) The calendar year for which emissions are reported.
- h. Any additional information required by the Director to document the facility's emission statements.

CC. Miscellaneous Conditions

1. This permit may be modified, revoked, reopened, reissued or terminated for cause. The filing of a request, by the permittee, for a permit modification, revocation and reissuance or termination or of a notification of planned changes or anticipated noncompliance does not release the permittee from the conditions of this permit. [29.6.8(c)(3)]
2. Any application for a permit revision need only submit information related to the proposed change. [29.4.3(c)]
3. Terms not otherwise defined in this permit shall have the meaning given to such terms in 40 CFR 63.2 of the Clean Air Act as amended in 1990 or the referenced regulation as applicable.
4. Where more than one condition in this permit applies to an emission unit and/or the entire facility, the most stringent condition shall apply.

SECTION III. SPECIAL CONDITIONS

A. Prevention of Accidental Releases

This Section contains Air Pollution Control Requirements that are applicable to this facility and the United States Environmental Protection Agency enforces these requirements.

Your facility is subject to the requirements of the General Duty Clause, under 112(r)(1) of the CAA Amendments of 1990. This clause specifies that owners or operators of stationary sources producing, processing, handling or storing a chemical in any quantity listed in 40 CFR Part 68 or any other extremely hazardous substance have a general duty to identify hazards associated with these substances and to design, operate and maintain a safe facility, in order to prevent releases and to minimize the consequences of accidental releases which may occur.