

DEC#SJ75-0002

#AOP-00-024

Operating Permit Expiration Date: December 18, 2005

**State of Vermont
Agency of Natural Resources
Department of Environmental Conservation**



**Air Pollution Control Division
Waterbury, Vermont**

**AIR POLLUTION CONTROL PERMIT
TO
CONSTRUCT AND OPERATE**

Date Permit Issued: December 18, 2000

**Owner/Operator: EHV Weidmann Industries, Incorporated
P.O. Box 903
St. Johnsbury, Vermont 05819-0903**

**Source: Transformer Board Manufacturing & Assembly Facility
EHV Weidmann Industries, Incorporated
Route 5 North, Memorial Drive
St. Johnsbury, Vermont 05819-0903**

FINDINGS OF FACT

(A) FACILITY DESCRIPTION

EHV Weidmann Industries, Incorporated (hereinafter "EHV Weidmann" and also referred to herein as "Owner/Operator") owns and operates a transformer board manufacturing and assembly facility located off U.S. Route 5 in St. Johnsbury, Vermont (referred to herein as "Facility"). Operations performed at the Facility are classified within the Standard Industrial Classification Code - 2631 (Paperboard Mills). To meet the heating demands of the production equipment and space heating requirements, EHV Weidmann operates a total of six (6) boilers, a space heater, and make-up air duct heater.

On October 19, 2000, EHV Weidmann submitted an application and \$585.00 base application review fee to the Agency of Natural Resources, Department of Environmental Conservation, Air Pollution Control Division ("Agency"). EHV Weidmann's application requested an amendment of its existing Air Pollution Control Permit to Construct and Operate (#AOP-95-075) issued on May 19, 1999. EHV Weidmann proposed to install a new 500 horsepower ("HP") residual oil-fired boiler to replace its existing Boiler #2 located in the Main Building.

(B) FACILITY CLASSIFICATION

The Facility is classified as a source of air contaminants pursuant to §5-401(6)(a) - Fossil fuel burning equipment of greater than 10 million British Thermal Units per hour ("MMBTU/hr") rated heat input; §5-401(11) - Manufacturing, processing, application of chemicals, including the processing or application of plastics, rubbers, or resins; and §5-401(12) - Operations involving the handling or transferring of sand and dust producing materials, of the *Vermont Air Pollution Control Regulations* (hereinafter "*Regulations*"). In addition, §5-101(103) of the *Regulations* defines a stationary source as any structures, equipment, installations, or operations, or combination thereof, which emit or may emit any air contaminant, which is located on one or more contiguous or adjacent properties and which is owned or operated under common control. Based on this definition, all of the equipment, operations, and structures at EHV Weidmann's Facility located off U.S. Route 5 in St. Johnsbury are grouped together as one stationary air contaminant source.

(C) PRIOR APPROVALS

The Agency has granted approval for the modifications to the Facility pursuant to the requirements of Title 10 *Vermont Statutes Annotated* ("10 V.S.A.") §556 and §§5-501 and 5-502 of the *Regulations*. The Agency's past approvals and description of projects approved are summarized below.

Date Approval Issued	Description of Approval/Amendment
January 19, 1984	Agency approval to allow the discharge of a fabric filter (Carter-Day Model 72 RJ 60) to the ambient air.
June 3, 1985	Agency approval to allow the installation and operation of a new fabric filter collector (Carter-Day Model 232RF8) and additional machining equipment.
August 21, 1996	Agency approval to allow the installation and operation of a new fabric filter collector, additional fuel burning equipment, and revised specifications for two existing collectors.
December 30, 1998	Agency approval to allow the installation and operation of a new fabric filter collector and make-up air duct heater in the Recycle Building.
May 19, 1999	Initial operating permit for the Facility, combined with an administrative amendment of the existing Permit to Construct.

(D) PERMIT APPLICABILITY

As was stated previously, EHV Weidmann proposes to install and operate a new residual oil-fired boiler at its Facility. The proposed installation of this replacement boiler satisfies the definition of modification within §5-101 of the *Regulations*, since the project involves a physical change of the stationary source which would result in an actual emissions increase. Consequently, the proposed project is subject to Agency review and approval pursuant to 10 V.S.A. §556 and Subchapter V of the *Regulations*.

As noted in Findings of Fact (B) above, the Facility is classified as a source of air contaminants under §5-401 of the *Regulations*. Existing allowable emissions of all air contaminants from the Facility are greater than 10 tons per year ("tpy") and allowable emissions of particulate matter ("PM/PM₁₀") and sulfur dioxide ("SO₂") are greater than 100 tpy. Therefore, pursuant to §§5-1002, 5-1003, and 5-1005 of the *Regulations*, the Facility is classified as a "Title V Subject Source" and is subject to the requirement to secure an Air Pollution Control Permit to Operate ("Permit to Operate") pursuant to the requirements of Subchapter X of the *Regulations* and Part 70 of the *Code of Federal Regulations Act*. EHV Weidmann was granted their initial operating permit under these regulations on May 19, 1999. Any modification of the Title V subject source is subject to Agency review and approval pursuant to the requirements of 10 V.S.A. §556a and Subchapter X of the *Regulations*, as well as the federal operating permit regulations in 40 CFR Part 70.

(E) APPLICATION PROCESSING AND PUBLIC PARTICIPATION

On October 19, 2000, the Agency received an application from EHV Weidmann for an amendment of its Permit to Construct and Operate. This application satisfied the requirements for an administratively complete application on October 20, 2000. Pursuant to §5-1007 of the *Regulations*, notice was then published in the *Caledonian Record* on October 31, 2000, of the receipt of the application. On November 6, 2000, the Agency determined the application satisfied the requirements for a technically complete application.

Public notice was published in the *Caledonian Record* on November 9, 2000, of the Agency's plans to issue a draft decision approving the issuance of an amended Permit to Construct and Operate the Facility. This notification solicited comments on the application, the Agency's review, and draft decision for a minimum of thirty (30) days. The notice also

provided the public with an opportunity to request an informational meeting on the matter, if requested in writing on or before December 4, 2000. The Agency notified the affected states (i.e., New Hampshire, New York, and Massachusetts) and the U.S. Environmental Protection Agency ("U.S. EPA") of its draft decision on November 6, 2000. The comment period closed on December 8, 2000, without the Agency receiving comments or a request for an informational meeting.

Consistent with 10 V.S.A. §556(e) and for the purposes of reducing the administrative burden of enforcing two separate permits for this Facility, the Agency proposed to issue the Air Pollution Control Permit to Operate in conjunction with the Air Pollution Control Permit to Construct. The result will be a combined Air Pollution Control Permit to Construct and Operate ("Combined Permit") which satisfies both the construction permit (Subchapter V) and operating permit (Subchapter X) requirements.

(F) NEW SOURCE REVIEW

The Facility, prior to the construction of the proposed modification, is designated as a major stationary source of air contaminants. Consequently, any modification of the source that would result in a "significant" increase in emissions of any air contaminant, as defined in §5-101 of the *Regulations*, is designated as a major modification and subject to review under §5-501 and §5-502 of the *Regulations*. The proposed project identified in Findings of Fact (A) above, together with all previous minor modifications constructed at the Facility since July 1, 1979, and which have not been previously reviewed under §5-502 of the *Regulations*, will not result in a significant increase in emissions. Consequently, the proposed modification is designated as a non-major modification and subject to the requirements of §5-501 of the *Regulations*.

(G) MOST STRINGENT EMISSION RATE

§5-502 of the *Regulations* requires that the owner/operator of each new major source or major modification to apply control technology adequate to achieve the most stringent emission rate ("MSER") with respect to those air contaminants for which they would have a "significant" actual emissions, but only for those proposed physical or operational changes which would contribute to increased emissions. The proposed modification is not subject to the MSER requirements in §5-502 of the *Regulations*. However, it should be noted that a major modification at the Facility was approved in 1996. EHV Weidmann was required to achieve MSER for PM/PM₁₀ emissions discharged from three fabric filter collectors (#M41 in the Main Building and two Fab North collectors). MSER was established as an emission concentration of 0.02 grains per dry standard cubic foot ("gr/dscf") of undiluted exhaust.

(H) AMBIENT AIR QUALITY IMPACT EVALUATION

An air quality impact evaluation is performed to demonstrate whether or not a proposed project will cause or contribute to violations of the ambient air quality standards and/or significantly deteriorate existing air quality. The Agency's implementation procedures concerning the need for an ambient air quality impact evaluation under §5-501 of the *Regulations*, specifies that such analyses shall be performed when a project results in an allowable emissions increase of ten (10) tpy or more of any air contaminant, excluding

VOCs. Additionally, the Agency may require an air quality impact evaluation where the short-term allowable emission rates will significantly increase as a result of a project. The Agency has not required an air quality impact evaluation as part of the application for the proposed modifications, since site-wide allowable emissions will decrease.

(I) ALLOWABLE EMISSIONS

Based upon the information provided by EHV Weidmann and the Agency’s determination of MSER, the Agency finds that EHV Weidmann’s allowable emissions, as defined in §5-101 of the *Regulations* and after completion of the proposed modification, are as follows from the Facility:

Future Allowable Air Contaminant Emissions (tons/year) *						
PM/PM ₁₀	SO ₂	NO _x	CO	VOCs**	Acetone**	Total HAPs**
122	301	91	12	<50	<50	<25*

* PM/PM₁₀ - particulate matter and particulate matter of 10 micrometers in size or smaller, SO₂ - sulfur dioxide, NO_x - oxides of nitrogen, CO - carbon monoxide, VOCs - volatile organic compounds, Pb - lead, HAPs - hazardous air pollutants as defined in §112 of the federal *Clean Air Act*.

** Actual emissions have been estimated to be approximately 9, 25, and 7 tons per year for VOCs, Acetone, and Total HAPs, respectively.

(J) REVIEW FOR OPERATING PERMIT

(a) Applicable Requirements

The operations at the Facility are subject to the following state and federal laws and regulations, the requirements of which are embodied in the conditions of this Permit:

(i) Vermont Air Pollution Control Regulations:

Applicable Requirement from Vermont Air Pollution Control Regulations
§5-201 - Open Burning Prohibited
§5-202 - Permissible Open Burning
§5-211(2) - Prohibition of Visible Air Contaminants, Installations Constructed Subsequent to April 30, 1970
§5-221(1) - Prohibition of Potentially Polluting Materials in Fuel, Sulfur Limitation in Fuel
§5-231(1) - Prohibition of Particulate Matter; Industrial Process Emissions
§5-231(3) - Prohibition of Particulate Matter; Combustion Contaminants
§5-231(4) - Prohibition of Particulate Matter; Fugitive Particulate Matter
§5-241 - Prohibition of Nuisance and Odor
§5-402 - Written Reports When Requested
§5-403 - Circumvention

Applicable Requirement from Vermont Air Pollution Control Regulations
§5-502(3) - Major Stationary Sources and Major Modifications (Most Stringent Emission Rate)
§5-701 - Maintenance and Removal of Control Devices
§5-702 - Excessive Smoke Emissions from Motor Vehicles
Subchapter VIII - Registration of Air Contaminant Sources
§5-911 - Motor Vehicle Air Conditioning
§5-921 - Regulation of Ozone Depleting Products
§5-1010 - Reasonably Available Control Technology (RACT)

(ii) Air Pollution Control Permit to Construct and Operate #AOP-95-075

EHV Weidmann currently operates under a Permit to Construct and Operate issued on May 19, 1999. The conditions within this existing permit are considered applicable requirements pursuant to §5-1002(d)(1) of the *Regulations*. The Agency will incorporate the conditions of this Permit to Construct and Operate in any subsequent approval given to EHV Weidmann for the proposed modifications.

(iii) EHV Weidmann is subject to one applicable federal new source performance standard established under §111 of the federal *Clean Air Act* and promulgated within 40 *CFR* Part 60 Subpart Dc. The replacement boiler (19.4 MMBTU/hr boiler) is considered an affected facility subject to 40 *CFR* Part 60 Subpart Dc - Standards of Performance for Small Industrial-Commercial-Institutional Steam Generating Units. Subpart Dc specifies emission limitations for PM/PM₁₀, SO₂, and opacity, as well as monitoring, record keeping, notification and reporting requirements. Applicability to Subpart Dc also subjects EHV Weidmann to the general notification, record keeping, and other requirements of 40 *CFR* Part 60 Subpart A.

(iv) Section 112 of the *Clean Air Act*

Under the conditions of the existing Permit to Construct and Operate, and based upon the projections for laminated board production contained in the application, allowable emissions of styrene may exceed ten (10) tons per year. Consequently, this Facility is classified as a major source of hazardous air pollutants ("HAPs") for this contaminant. Currently, the U.S. Environmental Protection Agency ("U.S. EPA") has not promulgated a standard for this source category. The proposed modification does not involve an increase in the emissions of styrene, and therefore the proposed modification is not subject to a case-by-case control technology determination pursuant to §112(g) of the *Clean Air Act* (regulations promulgated under 40 *CFR* Part 63 Subpart B)

(v) Title 40 Code of Federal Regulations Part 64

Sections 502(b) and 114(a)(3) of the *Clean Air Act* require enhanced monitoring for major sources of air contaminants. EHV Weidmann is classified as a major source and is required to comply with any regulations promulgated by the U.S. EPA implementing these sections. On October 22, 1997, U.S. EPA published in the *Federal Register* new compliance assurance monitoring requirements implementing Section 502(b) of the *Clean Air Act*. Within the final regulations U.S. EPA provided specific criteria for applicability and an implementation schedule for the new compliance monitoring requirements. Based upon the criteria specified in regulation, 40 CFR Part 64, EHV Weidmann is not subject to additional monitoring requirements for compliance assurance monitoring.

(b) Non-Applicable Requirements

Pursuant to §5-1015(a)(11) of the *Regulations*, EHV Weidmann has requested a permit shield with respect to several potentially applicable requirements. The Agency has reviewed this request and determined that the operations performed at the Facility are not subject to the below listed air pollution control requirements. In accordance with §5-1015(a)(11), a permit shield is granted for the below listed requirements.

Requirement for Which a Permit Shield has been Requested	Description of Requirement
§5-241(3) of <i>Regulations</i>	Prohibition of Nuisance and Odor - Control of Odor from Industrial Processes
§5-251(1) of <i>Regulations</i>	Control of Nitrogen Oxide Emissions
§5-251(3) of <i>Regulations</i>	Control of Nitrogen Oxide Emissions - Reasonably Available Control Technology for Large Stationary Sources
§5-252 of <i>Regulations</i>	Control of Sulfur Dioxide Emissions
§5-253.10 of <i>Regulations</i>	Control of VOCs - Paper Coating
§5-253.14 of <i>Regulations</i>	Control of VOCs - Solvent Metal Cleaning
§5-253.20 of <i>Regulations</i>	Control of VOCs - Other Sources That Emit Volatile Organic Compounds

(c) Enforceability

All conditions of this Permit are enforceable by both state and federal authorities.

(d) Compliance Certification

Condition (31) of this Permit requires EHV Weidmann to certify compliance as part of its annual registration with the Agency pursuant to the requirements of Subchapter VIII of the *Regulations*. Additionally, Condition (30) requires the submittal of semi-annual reports demonstrating compliance with limitations on

emissions of VOCs and acetone, as well as compliance with sulfur in fuel restrictions and summaries of periodic monitoring records.

Based upon the Agency's review of EHV Weidmann's application and the above findings of fact, the Agency concludes that the modification and operation of the Facility, subject to the following permit conditions, complies with all applicable state and federal air pollution control laws and regulations or is subject to an acceptable schedule of compliance. Therefore, pursuant to 10 V.S.A., §556 and §556a, as amended, the Agency hereby issues a Permit approving the modification and operation of the Facility, as described in the above findings of fact, subject to the following:

PERMIT CONDITIONS

- Construction & Equipment Specifications -

- (1) EHV Weidmann shall modify and operate its transformer board manufacturing and assembly facility located off U.S. Route 5 in St. Johnsbury, Vermont (hereinafter "Facility") in accordance with the plans and specifications submitted to the Agency on March 12 and June 7, 1996; April 3 and December 29, 1998, October 19, 2000, and in accordance with the terms and conditions of the permit. [10 V.S.A. §556(c)]
- (2) EHV Weidmann shall control emissions of PM/PM₁₀ from the transformer board machining operations and grinding/baling equipment located in the Recycle Building by installing and operating fabric filter collectors or equivalent devices as determined by the Agency. All elements of the fabric filter collectors shall be maintained in good working order at all times and operated in accordance with the manufacturer's operation and maintenance recommendations. [10 V.S.A. §556(c)]
- (3) EHV Weidmann is approved to install and operate a 500 horsepower ("HP") boiler (identified as "Boiler #3" in this Permit) as a replacement for the existing 350 HP boiler located in the Main Building (i.e., Boiler #2). Boiler #3 shall be installed and operated in accordance with the plans and specifications submitted to the Agency on October 19, 2000 or an equivalent design approved in writing by the Agency. The boiler shall have the below listed specifications or an equivalent design approved by the Agency in writing. The 500 HP boiler shall be operated and maintained in accordance with the recommendations of the equipment manufacturer and the conditions of this Permit.

Manuf: Johnston or equivalent

Boiler Type: Fire tube

Boiler Max. Rated Heat Input: 19.4 MMBTU/hr

Boiler Max. Rated Heat Output: 500 HP

Fuel Type: Residual oil (No. 6 Fuel Oil)

Number of Burners: 1

Burner Manuf.: Johnston Low-NO_x burner or equivalent

Burner Type: Air atomized

Forced draft, staged air combustion
 Max. Fuel Firing Rate: 130 gals/hr
 Maximum Fuel Sulfur Content: 0.5% by wt.
 Operating Pressures: 200 psig maximum; 150 psig design
 Steam Production Rates: 17,250 lbs of steam/hr (gross) design
 [10 V.S.A. §556(c)]

- (4) EHV Weidmann shall discontinue the use of Boiler #2 in the Main Building once Boiler #3 has achieved startup and is considered operational. [10 V.S.A. §556(c)]

- Emission Limitations -

- (5) Emissions of PM/PM₁₀ from the process equipment listed in Table 1 below shall at no time exceed the corresponding emission limitations.

Table 1 - Fabric Filter Collector PM/PM₁₀ Emission Limitations

Source	Emission Limitations	
	Concentration, gr/dscf*	Emission Rate, lbs/hr*
Recycling Building Fabric Filter Collector (AGET #FT64-D1)	0.020	0.84
Fab North Fabric Filter Collector (Torit & Day #232RFW8)	0.020	4.3
Main Bldg. (#M51) (Carter-Day #72RJ96)	0.060	7.7
Main Bldg. (#M41) (Carter-Day #72RJ60)	0.020	2.7
Fab North (#FN15) (Carter-Day #232RFT8)	0.020	4.5

* gr/dscf means grains per dry standard cubic foot of undiluted exhaust gas. Lbs/hr means pounds per hour.

If any emission testing is conducted to demonstrate compliance with the emission limits in Table 1 above, EHV Weidmann shall use Reference Method 5 in Appendix A of Title 40 *Code of Federal Regulations* ("40 CFR") Part 60 or an alternative method which has been published in 40 CFR provided the federally approved alternative method has been accepted in writing by the Agency before testing. [10 V.S.A. §556(c) and §5-502(3) of the *Regulations*]

- (6) Emissions of combustion contaminants from the fuel burning equipment listed in Table 2 below shall at no time exceed the corresponding emission limitations.

Table 2 - Fuel Burning Equipment Combustion Emission Limitations

Unit	Emission Rate Limitations Per Air Contaminant					
	lbs/MMBTU*			lbs/hr		
	PM/PM ₁₀	NO _x	CO	PM/PM ₁₀	NO _x	CO
Main Bldg. Cleaver Brooks Boiler (29.3 MMBTU/hr)	0.21	0.49	0.075	6.2	14	2.2
Main Bldg. Johnston Boiler (19.4 MMBTU/hr)	0.12	0.52	0.040	2.35	10.2	0.78
Fab North Peerless Boiler (2.67 MMBTU/hr)	0.5	---	---	1	---	---
Fab North Peerless Boiler (2.67 MMBTU/hr)	0.5	---	---	1	---	---
Fab North Boiler (1.05 MMBTU/hr)	0.5	---	---	0.5	---	---
Recycling Bldg. Heater (0.525 MMBTU/hr)	0.5	---	---	0.26	---	---
Recycling Bldg. Heater (0.10 MMBTU/hr)	0.5	---	---	0.05	---	---
Training Center Boiler (0.13 MMBTU/hr)	0.5	---	---	0.07	---	---

* lbs/MMBTU means pounds per million British Thermal Units of heat input.

If any emission testing is conducted to demonstrate compliance with the PM/PM₁₀, NO_x, and CO emission limits in Table 2 above, EHV Weidmann shall use Reference Methods 5, 7E, and 10, respectively, in Appendix A of 40 CFR Part 60 or an alternative method(s) which has been published in 40 CFR provided the federally approved alternative method(s) has been accepted in writing by the Agency before testing. [10 V.S.A. §556(c) and §5-231(3)(a)(i) of the Regulations]

- (7) Total emissions of VOCs from the Facility (including but not limited to: the laminating line, Nomex press line, gluing activities, and boilers) shall not equal or exceed fifty (50) tons per rolling twelve (12) consecutive calendar month period. Compliance with this limit shall be determined based upon the products employed, monthly usage rates, and VOC contents of the various products used by EHV Weidmann at the Facility. [10 V.S.A. §556(c)]
- (8) Total emissions of acetone from the Facility (including but not limited to: the laminating line, Nomex press line, and gluing activities) shall not equal or exceed fifty (50) tons per rolling twelve (12) consecutive calendar month period. Compliance with this limit shall be determined based on the products employed, monthly usage rates, and acetone content of the various products used by the EHV Weidmann at the Facility. [10 V.S.A. §556(c)]

- (9) Emissions of visible air contaminants from any equipment at the Facility shall not exceed twenty (20) percent opacity for a period or periods aggregating to six (6) minutes or more in any hour, and at no time shall they exceed sixty (60) percent opacity. If any emission testing is conducted to demonstrate compliance with this limit, EHV Weidmann shall use proposed Reference Method F-1 published in the *Federal Register* on August 29, 1986 or an alternative method which has been published in 40 *CFR* provided the federally approved alternative method has been accepted in writing by the Agency before testing. [10 V.S.A. §556(c)]

- Fuel Limits -

- (10) The sulfur content of No. 6 fuel oil used in the Main Building boiler manufactured by Cleaver Brooks [i.e., 29.3 MMBTU/hr boiler (Boiler #1)] shall not exceed 2.0 percent by weight ("% by weight"). [10 V.S.A. §556(c)]
- (11) The sulfur content of No. 6 fuel oil used in the proposed replacement boiler [i.e., 19.4 MMBTU/hr Johnston boiler (Boiler #3)] shall not exceed 0.5 % by weight. [10 V.S.A. §556(c) and 40 *CFR* Part 60 Subpart Dc]
- (12) The sulfur content of No. 2 fuel oil used at the Facility shall not exceed 0.5 % by weight. [10 V.S.A. §556(c)]
- (13) EHV Weidmann shall not burn more than 558,500 gallons of No. 6 fuel oil per rolling twelve consecutive calendar month period in Main Building Boiler #3 (i.e., Johnston boiler with a rated heat input of 19.4 MMBTU/hr). [10 V.S.A. §556(c)]

- Monitoring, Record Keeping and Reporting -

- (14) EHV Weidmann shall notify the Agency in writing of the initial start-up of the fabric filter collector to be located in the Recycle Building within fifteen (15) days after such date. Initial start-up of the collector shall be defined as the date the collector is first used to collect dust generated by the grinding and baling equipment located within the Recycle Building. [10 V.S.A. §556(c)]
- (15) EHV Weidmann shall notify the Agency in writing of the date construction of Main Building Boiler #3 (i.e., Johnston boiler with a rated heat input of 19.4 MMBTU/hr) is commenced postmarked no later than thirty (30) days after such date. This notification shall include the following information: the design heat input capacity of the boiler, and the identification of fuels to be burned in the boiler. [10 V.S.A. §556(c) and 40 *CFR* Part 60 Subpart Dc]
- (16) EHV Weidmann shall notify the Agency in writing of the anticipated date of initial start-up of Main Building Boiler #3 postmarked not more than sixty (60) days nor less than thirty (30) days prior to such date. [10 V.S.A. §556(c) and 40 *CFR* Part 60 Subpart Dc]

- (17) EHV Weidmann shall notify the Agency in writing of the actual date of initial start-up of the Main Building Boiler #3 postmarked within fifteen (15) days after such date. For the purposes of this Permit, the date of initial start-up for the boiler shall be defined as the date on which the equipment first begins operation. Along with this notification, EHV Weidmann shall include the following information: boiler manufacturer, boiler model, boiler serial number, boiler rated heat input in units of MMBTU/hr, burner manufacturer, burner model, burner serial number, burner maximum firing rate in units of gallons per hour. [10 V.S.A. §556(c) and 40 CFR Part 60 Subpart Dc]
- (18) Copies of the notifications required in Conditions (15) through (17) of this Permit shall be sent in duplicate to :

Director, Air Management Division
U.S. Environmental Protection Agency
John F. Kennedy Federal Building
Boston, MA 02203

[10 V.S.A. §556(c) and 40 CFR Part 60 Subpart Dc]

- (19) EHV Weidmann shall maintain a logbook of maintenance performed and monthly observations of the pressure drop across each fabric filter collector exhausting to the ambient air. For maintenance, the logbook shall contain records of the date of inspection, findings of the inspection, and any corrective actions taken. For pressure drop readings, the logbook shall contain the name of the individual making the observation, the results of the observation in terms of inches of water observed, and the corrective action taken to maintain the pressure drop within acceptable ranges for each respective fabric filter, if any. [§§5-402(1) and 5-1015(a)(3) of the *Regulations* and 40 CFR Part 70 §70.6(a)(3)(i)(B)]
- (20) EHV Weidmann shall maintain a logbook of maintenance performed on its fuel burning equipment at the Facility, including the results of weekly combustion efficiency testing of the two (2) boilers located in the Main Building. The logbook shall contain the following minimum information: date work performed, maintenance performed, any results of combustion efficiency testing, and the corrective action taken to improve combustion efficiency, if any. [§§5-402(1) and 5-1015(a)(3) of the *Regulations* and 40 CFR Part 70 §70.6(a)(3)(i)(B)]
- (21) In addition to the record keeping requirements of Conditions (19) and (20) of this Permit, EHV Weidmann shall maintain the following records:
- (a) Monthly usage rate of each resin, coating, adhesive, glue, and cleaning solvent in units of gallons or pounds;
 - (b) Monthly consumption of No. 6 fuel oil in gallons for Main Building Boiler #1 (i.e., Cleaver Brooks boiler with rated heat input of 29.3 MMBTU/hr);
 - (c) Daily and monthly consumption of No. 6 fuel oil in gallons for Main Building Boiler #3 (i.e., Johnston Boiler with rated heat input of 19.4 MMBTU/hr) and the occurrence and duration of any startup, shutdown, or malfunction in its operation;

- (d) Calendar year consumption of No. 2 fuel oil in gallons for remaining fuel oil burning equipment at the Facility,
- (e) Calendar year production of transformer boards through the machining departments, laminating line, and Nomex press line, and
- (f) Sulfur content of all fuels delivered to the Facility.

For the purposes of compliance with item (a) above, EHV Weidmann may, until such time as facility-wide emissions of VOCs or acetone equal or exceed forty-five (45) tons per rolling twelve (12) consecutive calendar month period, record use on a calendar year basis for those materials identified in item (a) above which have a usage rate of five (5) gallons per month or less.

For the purposes of demonstrating compliance with item (f) above, EHV Weidmann may, with the exception of Main Building Boiler #3, supply the Agency with information provided by the fuel oil supplier, such as a fuel delivery ticket containing a statement regarding the sulfur content of the fuel oil delivered, or periodic fuel oil sampling and analysis results performed by the fuel supplier. For Main Building Boiler #3, EHV Weidmann shall, for each delivery of fuel oil, obtain a certification or invoice from the fuel supplier which specifies the name of the supplier, date of delivery, amount of fuel delivered, fuel type or grade, sulfur content of the fuel by weight percent, location of the fuel oil when the sample was drawn for analysis, and the method used to determine the sulfur content of the fuel oil.

At the beginning of each month, EHV Weidmann shall calculate the total quantity of VOC and acetone emissions during the previous twelve (12) consecutive calendar month period. [10 V.S.A. §556(c), §5-402(1) of the *Regulations*, and 40 CFR Part 60 Subpart Dc]

- (22) EHV Weidmann shall furnish the Agency with semi-annual reports regarding Main Building Boiler #3. Each semi-annual report shall be postmarked by the 30th day following the end of the reporting period. Each semi-annual report shall include the following:
 - (a) The calendar dates covered in the reporting period,
 - (b) Records of fuel supplier certifications, as specified in Condition (21) of this Permit, and
 - (c) A statement, signed by a responsible official for EHV Weidmann, that the records of fuel supplier certifications submitted represent all of the fuel burned during the quarter in Main Building Boiler #3. [10 V.S.A. §556(c), §5-402(1) of the *Regulations*, and 40 CFR Part 60 Subpart Dc]

- (23) EHV Weidmann shall calculate the quantity of emissions of air contaminants from the Facility, including the emissions from the fabric filter collectors, laminating line, Nomex press line, boilers, and general adhesive usage on-site, annually. If the Facility emits more than five (5) tons of any and all air contaminants per year, EHV Weidmann shall register the source with the Secretary, and shall renew such registration annually. Each day of operating a source which is subject to registration without a valid, current registration shall constitute a separate violation and subject EHV Weidmann to civil penalties. The registration process shall follow the procedures set forth in Subchapter VIII of the *Regulations*, including the payment of the annual registration fee on or before May 15 of each year. Annual registration forms submitted to the Agency shall contain a compliance certification statement in accordance with Condition (31) of this Permit. [10 V.S.A. §556(c)]
- (24) EHV Weidmann shall notify the Agency in writing of any proposed physical or operational change at the Facility which may increase the emission rate of any air contaminant to the ambient air. If the Agency determines that a permit amendment is required, a new application and the appropriate application fee shall be submitted. The permit amendment shall be obtained prior to commencing any such change. [10 V.S.A. §556(c)]
- (25) EHV Weidmann shall notify the Agency in writing within ten (10) days of any violation, of which it is aware, of any requirements of this Permit. This notification shall include, at a minimum, the cause for the deviation and corrective action or preventative maintenance taken to correct the deviation. [§5-1015(a)(12) of the *Regulations* and 40 *CFR* Part 70 §70.6(a)(3)(iii)(B)]
- (26) Records of all required compliance testing shall include the following:
- (a) the date, place, and time of sampling or measurements;
 - (b) the date analyses were performed;
 - (c) the company or entity that performed the analyses;
 - (d) the analytical techniques or methods used;
 - (e) the results of all such analyses; and
 - (f) the operating conditions existing at the time of sampling or measurement.
- [§5-402(1) of the *Regulations* and 40 *CFR* Part 70 §70.6(a)(3)(ii)(A)]
- (27) All records, reports, and notifications that are required to be submitted to the Agency by this Permit shall be submitted to:
- Air Pollution Control Division
Agency of Natural Resources
Building 3 South, 103 South Main Street
Waterbury, Vermont 05671-0402.
- [10 V.S.A. §556(c)]
- (28) All records shall be retained for a minimum period of five (5) years from the date of record and shall be made available to the Agency upon request. [10 V.S.A. §556(c)]

- Compliance Emissions Testing -

- (29) EHV Weidmann shall perform emission testing on the exhaust serving Main Building Boiler #3 and shall submit a written report to the Agency summarizing the results of said testing within 180 days after the initial startup of the boiler. Said testing shall be performed in order to demonstrate compliance with the PM, NO_x, and CO emission limits specified in Condition (6) of this Permit. At least thirty (30) days prior to performing the emission testing required herein, EHV Weidmann shall submit to the Agency a pretest report prepared in accordance with the Agency's "Source Emission Testing Guidelines." [10 V.S.A. §556(c) and §§5-402 and 5-404 of the Regulations]

- Compliance Certifications -

- (30) EHV Weidmann shall submit to the Agency every six (6) months from the date of issuance of this Permit a report containing the following information:
- (a) a summary of the VOC and acetone emissions records required by Condition (21) of this Permit;
 - (b) a statement of the sulfur content of any and all fuel delivered to EHV Weidmann during the reporting period; and
 - (c) a summary of the monthly and weekly observations required by Conditions (19) and (20) of this Permit.

[§§5-402(1) and 5-1015(a)(4) of the Regulations and 40 CFR Part 70 §70.6(a)(3)(iii)(A)]

- (31) EHV Weidmann shall submit an annual certification of compliance signed by a responsible official, concurrent with the annual registration data submitted to the Agency as specified by Condition (23) of this Permit, which identifies the compliance status during the past year of EHV Weidmann with respect to all terms and conditions of this Permit, including but not limited to the following:
- (a) Identification of each term or condition of the permit that is the basis of the certification;
 - (b) The compliance status;
 - (c) The methods used for determining the compliance status of EHV Weidmann over the reporting period;
 - (d) Whether such methods provide continuous or intermittent data; and
 - (e) Whether emissions of VOCs and acetone were each below fifty (50) tons for the previous year.

A copy of the compliance certification shall also be sent to the U.S. Environmental Protection Agency at the following address:

Air Technical Unit (Mail Code SEA)
Office of Environmental Stewardship
U.S. Environmental Protection Agency
John F. Kennedy Federal Building
Boston, MA 02203

[§5-1015(a)(8) of the *Regulations* and 40 *CFR* Part 70 §70.6(c)(5)(iv)]

- Fugitive Emissions -

- (32) EHV Weidmann shall take reasonable precautions at all times to control and minimize emissions of fugitive particulate matter and volatile organic compounds from the operations at the Facility. This shall include but not be limited to the following:
- (a) Taking reasonable precautions to prevent fugitive particulate matter (i.e., dust) during the handling and disposal of the material collected from the machining operations; and,
 - (b) The covering of all VOC containing containers when not in use.

[10 V.S.A. §556(c)]

- Nuisance and Odor -

- (33) EHV Weidmann shall not discharge, cause, suffer, allow, or permit from any source whatsoever such quantities of air contaminants or other material which will cause injury, detriment, nuisance or annoyance to any considerable number of people or to the public or which endangers the comfort, repose, health or safety of any such persons or the public or which causes or has a natural tendency to cause injury or damage to business or property. [10 V.S.A. §556(c)]
- (34) EHV Weidmann shall not discharge, cause, suffer, allow, or permit any emissions of objectionable odors beyond the property line of the premises. [10 V.S.A. §556(c)]

- Circumvention -

- (35) EHV Weidmann shall not build, erect, install, or use any article, machine, equipment or process, the use of which conceals an emission which would otherwise constitute a violation of an applicable standard of this Permit. Such concealment includes, but is not limited to, the use of gaseous diluents to achieve compliance with an opacity standard or with a standard which is based on the concentration of a pollutant in the gases discharged to the atmosphere. [§5-403 of the *Regulations*]

- Open Burning -

- (36) EHV Weidmann shall burn only natural wood in any open burn pile and shall only burn in accordance with Condition (37) of this Permit. For the purposes of this Permit, natural wood shall be defined as trees, including logs, boles, trunks, branches, limbs, and stumps, lumber including timber, logs or slabs, especially when dressed for use. This definition shall also include pallets which are used for the shipment of various materials so long as such pallets are not chemically treated with any preservative, paint, or oil. This definition shall not extend to other wood products such as sawdust, plywood, particle board and press board. [§5-202 of the *Regulations*]
- (37) Prior to conducting any open burning of natural wood, EHV Weidmann shall notify the Air Pollution Control Officer and shall obtain approval from the Air Pollution Control Officer granting permission to conduct open burning at the Facility. [§5-202 of the *Regulations*]

- Motor Vehicles -

- (38) EHV Weidmann shall not fail to maintain in good working order or remove, alter or otherwise render inoperative, the exhaust emission control system, the evaporative emission control system, or crankcase ventilation, or any other air pollution control device which has been installed as a requirement of the Federal or State laws or regulations. [§5-701 of the *Regulations*]
- (39) EHV Weidmann shall not cause, suffer, allow, or permit excessive emissions of visible air contaminants, other than water, from a motor vehicle for longer than five (5) consecutive seconds. [§5-702 of the *Regulations*]
- (40) EHV Weidmann shall not service motor vehicles air conditioners, except in conformance with the requirements of §5-911 of the *Regulations*. [10 V.S.A. §556a(d)]

- Stratospheric Ozone Protection -

- (41) EHV Weidmann shall not sell or use ozone depleting chemicals except in conformance with the requirements of §5-921 of the *Regulations*, 10 V.S.A. §574 and §574a, and 40 *CFR* Part 82. [10 V.S.A. §556a(d)]

- Permit Shield -

- (42) In accordance with §5-1015(a)(11) of the *Regulations*, EHV Weidmann is granted a “permit shield” and is not subject to the regulations and standards listed in Finding of Fact (J)(b) of this Permit. The Agency’s “permit shield” determination is based upon the information submitted by EHV Weidmann in its application. The “permit shield” shall be binding only with respect to activities disclosed in EHV Weidmann’s operating permit application. [10 V.S.A. §556a(d) and §5-1015(a)(11)]

- Standard Conditions -

- (43) Approval to install and operate the replacement boiler and the Recycling Building fabric filter and associated make-up air duct heater under this Permit shall become invalid if construction or modification is not commenced within eighteen (18) months after issuance of this Permit, if construction or modification is discontinued for a period of eighteen (18) months or more, or if construction or modification is not substantially completed on or before December 30, 2002. The Agency may extend any one of these periods upon a satisfactory showing that an extension is justified. The term "commence" as applied to the proposed construction or modification of a source means that the owner or operator either has:
- (a) Begun, or caused to begin, a continuous program of actual on-site construction or modification of the source, to be completed within a reasonable time; or
 - (b) Entered into binding agreements or contractual obligations, which cannot be canceled or modified without substantial loss to the owner or operator, to undertake a continuous program of actual on-site construction or modification of the source to be completed within a reasonable time.
- [10 V.S.A. §556(c)]
- (44) These Permit conditions may be modified, suspended, terminated, or revoked for cause and reissued upon the filing of a written request with the Secretary of the Agency (hereinafter "Secretary") or upon the Secretary's own motion. Any modification shall be granted only with the written approval of the Secretary. If the Secretary finds that modification is appropriate, only the conditions subject to modification shall be re-opened. The filing of a request for modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated non-compliance does not stay any terms or conditions of this Permit. The Secretary may provide opportunity for public comment on any proposed modification of these conditions. If public comments are solicited, the Secretary shall follow the procedures set forth in 10 V.S.A., §556 and §556a, as amended. [10 V.S.A. §556(c), 10 V.S.A. §556a(d), and §§5-1008 and 5-1013 of the *Regulations*]
- (45) Cause for reopening, modification, termination and revocation of this Permit includes, but is not limited to:
- (a) Inclusion of additional applicable requirements pursuant to state or federal law;
 - (b) A determination that the permit contains a material mistake or that inaccurate information was used to establish emissions standards or other terms or conditions of the operating permit;
 - (c) A determination that the operating permit must be modified or revoked to ensure compliance with applicable requirements;
 - (d) A determination that the subject source has failed to comply with a permit condition;
 - (e) For Title V subject sources, a determination by the U.S. EPA that cause exists to terminate, modify, revoke, or reissue an operating permit;
 - (f) Those causes which are stated as grounds for refusal to issue, renew or modify an operating permit under §5-1008(a) of the *Regulations*; or

- (g) If more than three (3) years remain in the permit term and the source becomes subject to a new applicable requirement.

[§5-1008(e)(4) of the *Regulations*]

- (46) EHV Weidmann shall furnish to the Agency, within a reasonable time, any information that the Agency may request in writing to determine whether or not cause exists for modifying, revoking, reissuing, or terminating the permit or to determine compliance with this Permit. Upon request, EHV Weidmann shall also furnish to the Agency copies of records required to be kept by this Permit. [10 V.S.A. §556a(d) and 40 *CFR* Part 70 §70.6(a)(6)(v)]
- (47) This Permit does not convey any property rights of any sort or any exclusive privilege, nor does it authorize any injury to private property or any invasion of personal rights. [10 V.S.A. §556(c)]
- (48) By acceptance of this Permit, EHV Weidmann agrees to allow representatives of the State of Vermont access to the properties covered by the Permit, at reasonable times, to ascertain compliance with Vermont environmental and health statutes and regulations and with this Permit. EHV Weidmann also agrees to give the Agency access to review and copy any records required to be maintained by this Permit, and to sample or monitor at reasonable times to ascertain compliance with this Permit. [10 V.S.A. §556(c) and §5-1015(a)(7) of the *Regulations*]
- (49) All data, plans, specifications, analyses and other information submitted or caused to be submitted to the Agency as part of the application for this Permit or an amendment to this Permit shall be complete and truthful and certified by a responsible official whose designation has been approved by the Secretary. Any such submission which is false or misleading shall be sufficient grounds for denial or revocation of this Permit, and may result in a fine and/or imprisonment under the authority of Vermont statutes. [10 V.S.A. §556(c) and §5-1008(f) of the *Regulations*]
- (50) For the purpose of establishing whether or not a person has violated or is in violation of any condition of this Permit, nothing in this Permit shall preclude the use, including the exclusive use, of any credible evidence or information relevant to whether a source would have been in compliance with applicable requirements if the appropriate performance or compliance test or procedure had been performed. [10 V.S.A. §556a(d)]
- (51) These permit conditions shall be binding upon and enforceable against EHV Weidmann and all subsequent owners and operators of the source. Subsequent owners of the source shall file an administratively complete application for an Air Pollution Control Permit to Operate within twelve (12) months of any change of the source's ownership. The terms and conditions of this Permit shall remain in full force and effect until the issuance of a new Permit to Operate. [10 V.S.A. §556(c) and §5-1005(a) of the *Regulations*]
- (52) The provisions of this Permit are severable. If any provision of this Permit, or its application to any person or circumstances is held invalid, illegal, or unenforceable by a court of competent jurisdiction, the invalidity shall not apply to any other portion of this Permit which can be given effect without the invalid provision or application thereof. [10 V.S.A. §556(c)]

- (53) Any permit noncompliance constitutes a violation of the federal *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. [§§5-1008(a) and 5-1008(e) of the *Regulations*]
- (54) It shall not be a defense for EHV Weidmann in an enforcement action that it would have been necessary to halt or reduce the permitted activity to maintain compliance with the conditions of this Permit. [10 V.S.A. §556a(d)]
- (55) EHV Weidmann shall submit to the Agency a complete application for renewal of the Operating Permit at least twelve (12) months before the expiration of the Operating Permit. If a timely and administratively complete application for an operating permit renewal is submitted to the Secretary, but the Secretary has failed to issue or deny such renewal before the end of the term of this Operating Permit, then EHV Weidmann may continue to operate the subject source and all terms and conditions of this Operating Permit shall remain in effect until the Secretary has issued or denied the operating permit renewal. However, this Operating Permit shall automatically expire if, subsequent to the renewal application being determined or deemed administratively complete pursuant to §5-1006 of the *Regulations*, EHV Weidmann fails to submit any additional information required by the Secretary as well as information pertaining to changes to the Facility within thirty (30) days or such other period as specified in writing by the Secretary. [§§5-1005(c) and 5-1012 of the *Regulations*]
- (56) Conditions (1) through (18), (21) through (24), (27) through (29), (32) through (34), (43), (44), (47) through (49), (51), (52), and (57) are derived from the new source review requirements of Subchapter V of the *Regulations*. With the exception of the cited new source review conditions, the Operating Permit shall expire five (5) years from the date of its issuance. [§§5-1011 and 5-1012(a) of the *Regulations*]
- (57) The conditions set forth above supersede all conditions contained in the Agency's Air Pollution Control Permit to Construct and Operate #AOP-95-075 granted to EHV Weidmann on May 19, 1999, and may only be modified after meeting the requirements of both 10 V.S.A. §556 and §556a and the regulations promulgated thereunder. [10 V.S.A. §556(c) and 10 V.S.A. §556a(d)]

The Agency's issuance of this Air Pollution Control Permit to Construct and Operate relies upon the data, judgement, and other information supplied by EHV Weidmann. The Agency makes no assurances that the air contaminant source approved herein will meet performance objectives or vendor guarantees supplied to EHV Weidmann. It is the sole responsibility of EHV Weidmann to operate the source in accordance with the conditions herein and with all applicable state and federal standards and regulations.

Dated this _____ day of _____, 2000, in the town of Waterbury, county of Washington, state of Vermont.

Agency of Natural Resources

Canute E. Dalmasse, Commissioner
Department of Environmental Conservation

By: _____
Richard A. Valentinetti, Director
Air Pollution Control Division

A2 EHV Weidmann Industries, Inc., St. Johnsbury