

**AIR EMISSION PERMIT NO. 10300014-002
IS ISSUED TO**

Alumacraft Boat Company
315 West St. Julien Street
St Peter, Nicollet County, Minnesota 56082

The emission units, control equipment and emission stacks at the stationary source authorized in this permit are as described in the following permit application(s):

Permit Type	Application Date
Total Facility Operating Permit	6/15/95 and 3/27/2000

This permit authorizes the permittee to operate the stationary source at the address listed above unless otherwise noted in Table A. The permittee must comply with all the conditions of the permit. Any changes or modifications to the stationary source must be performed in compliance with Minn. R. 7007.1150 to 7007.1500. Terms used in the permit as defined in the state air pollution control rules unless the term is explicitly defined in the permit.

Permit Type: Part 70

Issue Date: May 15, 2001

Expiration: May 7, 2006

Title I Conditions do not expire.

Rodney E. Massey, P.E.
District Director

for Karen A. Studders
Commissioner
Minnesota Pollution Control Agency

TABLE OF CONTENTS

Notice to the Permittee

Permit Shield

Facility Description

Table A: Limits and Other Requirements

Table B: Submittals

Appendices: Insignificant Activities Required to be Listed

NOTICE TO THE PERMITTEE:

Your stationary source may be subject to the requirements of the Minnesota Pollution Control Agency's (MPCA) solid waste, hazardous waste, and water quality programs. If you wish to obtain information on these programs, including information on obtaining any required permits, please contact the MPCA general information number at:

Metro Area	(651) 296-6300
Outside Metro Area	1-800-657-3864
TTY	(651) 282-5332

The rules governing these programs are contained in Minn. R. chs. 7000-7105. Written questions may be sent to: Minnesota Pollution Control Agency, 520 Lafayette Road North, St. Paul, Minnesota 55155-4194.

Questions about this air emission permit or about air quality requirements can also be directed to the telephone numbers and address listed above.

PERMIT SHIELD:

Subject to the limitations in Minn. R. 7007.1800, compliance with the conditions of this permit shall be deemed compliance with the specific provision of the applicable requirement identified in the permit as the basis of each condition. Subject to the limitations of Minn. R. 7007.1800 and 7017.0100, subp. 2, notwithstanding the conditions of this permit specifying compliance practices for applicable requirements, any person (including the Permittee) may also use other credible evidence to establish compliance or noncompliance with applicable requirements.

FACILITY DESCRIPTION:

Alumacraft Boat is a boat manufacturing facility. This permit authorizes operation of the facility, acknowledges the addition of paint booth number 4, and corrects a PM/PM10 recordkeeping typographical error for each of the four paint booths. This permit also sets limits that restrict potential emissions to less than major source and significant levels as defined by 40 CFR §52.21. The facility is a major source as defined by 40 CFR Pt. 63 and § 70.2 due to its potential HAP emissions, and so is subject to the Part 70 permitting requirements.

TABLE A: LIMITS AND OTHER REQUIREMENTS

05/15/01

Facility Name: Alumacraft Boat Co
 Permit Number: 10300014 - 002

Table A contains limits and other requirements with which your facility must comply. The limits are located in the first column of the table (What To do). The limits can be emission limits or operational limits. This column also contains the actions that you must take and the records you must keep to show that you are complying with the limits. The second column of Table A (Why to do it) lists the regulatory basis for these limits. Appendices included as conditions of your permit are listed in Table A under total facility requirements.

Subject Item:	Total Facility
What to do	Why to do it
EMISSION LIMITS	hdr
Volatile Organic Compounds: less than or equal to 95 tons/year using 12-month Rolling Sum	Title I Condition: Limit to restrict potential emissions to less than major source levels as defined by 40 CFR 52.21 and to avoid environmental review requirements under ch. 4410
Particulate Matter < 10 micron: less than or equal to 95 tons/year using 12-month Rolling Sum	Title I Condition: Limit to restrict potential emissions to less than major source levels as defined by 40 CFR 52.21 and to avoid environmental review requirements under ch. 4410
Total Particulate Matter: less than or equal to 95 tons/year using 12-month Rolling Sum	Title I Condition: Limit to restrict potential emissions to less than major source levels as defined by 40 CFR 52.21 and to avoid environmental review requirements under ch. 4410
MONITORING	hdr
Determination of Material Content For Emission Calculations: Solids and VOC content of each material used in any emission unit, shall be determined using the Environmental Data sheet (EDS) or Material Safety Data Sheet (MSDS) provided by the supplier of each material. If the EDS or MSDS provides a material content range, the highest value in the range shall be used in all emission calculations. Alternative methods approved by the MPCA may be used to determine material solids or VOC content. In addition, the Commissioner reserves the right to require the Permittee to determine the solids or VOC content of any material according to EPA or ASTM reference methods. If an EPA or ASTM reference method is used for material content determination, the data obtained shall supersede the ESD or MSDS. For the purposes of this permit, all solids are PM10, and PM is composed entirely of PM10.	Title I Condition: Monitoring for conditions taken to restrict potential emissions to less than major source levels as defined by 40 CFR 52.21
RECORDKEEPING	hdr
Recordkeeping: Retain all records at the stationary source for a period of five (5) years from the date of monitoring, sample, measurement, or report. Records which must be retained at this location include all calibration and maintenance records, all original recordings for continuous monitoring instrumentation, and copies of all reports required by the permit. Records must conform to the requirements listed in Minn. R. 7007.0800, subp. 5(A).	Minn. R. 7007.0800, subp. 5(C)
COMPLIANCE DEMONSTRATION	hdr
Total Facility PM/PM10 Emission Calculations: By the 15th day of each month, calculate and record the total facility PM/PM10 emissions for the previous month, and the 12-month rolling sum of annual PM/PM10 emissions. Total PM emissions for the previous month shall be determined as follows: EPM = EU002EPM + EU003EPM + EU004EPM + EU010EPM where: EPM = tons of PM/PM10 emitted by the total facility during the previous month EU002EPM = EU 002 PM/PM10 emissions as determined under EU 002 EU003EPM = EU 003 PM/PM10 emissions as determined under EU 003 EU004EPM = EU 004 PM/PM10 emissions as determined under EU 004 EU010EPM = EU 010 PM/PM10 emissions as determined under EU 010 The 12-month rolling sum shall be calculated by summing the EPM calculated for each of the past 12 months.	Title I Condition: Monitoring for conditions taken to restrict potential emissions to less than major source levels as defined by 40 CFR 52.21

TABLE A: LIMITS AND OTHER REQUIREMENTS

05/15/01

Facility Name: Alumacraft Boat Co
 Permit Number: 10300014 - 002

<p>Total Facility VOC Emission Calculations: By the 15th day of each month, calculate and record the total VOC emissions for the previous month and the 12-month rolling sum. Total VOC emissions for the previous month shall be determined by summing the VOC emissions from GP 001 and GP 002 as follows:</p> <p>$EVOC = EU002VOC + EU003VOC + EU004VOC + EU010VOC + GP002VOC$</p> <p>where: EVOC = Total Facility Monthly VOC Emissions EU002VOC = EU 002 VOC emissions as determined under EU 002 EU003VOC = EU 003 VOC emissions as determined under EU 003 EU004VOC = EU 004 VOC emissions as determined under EU 004 EU010VOC = EU 010 VOC emissions as determined under EU 010 GP002VOC = GP 002 VOC emissions as determined under GP 002</p> <p>The 12-month rolling sum shall be calculated by summing the EVOC calculated for each of the past 12 months.</p>	<p>Title I Condition: Monitoring for conditions taken to restrict potential emissions to less than major source levels as defined by 40 CFR 52.21</p>
<p>NOTIFICATIONS</p>	<p>hdr</p>
<p>Shutdown Notifications: Notify the Commissioner at least 24 hours in advance of a planned shutdown of any control equipment or process equipment if the shutdown would cause any increase in the emissions of any regulated air pollutant. If the owner or operator does not have advance knowledge of the shutdown, notification shall be made to the Commissioner as soon as possible after the shutdown. However, notification is not required in the circumstances outlined in Items A, B and C of Minn. R. 7019.1000, subp. 3.</p> <p>At the time of notification, the owner or operator shall inform the Commissioner of the cause of the shutdown and the estimated duration. The owner or operator shall notify the Commissioner when the shutdown is over.</p>	<p>Minn. R. 7019.1000, subp. 3</p>
<p>Breakdown Notifications: Notify the Commissioner within 24 hours of a breakdown of more than one hour duration of any control equipment or process equipment if the breakdown causes any increase in the emissions of any regulated air pollutant. The 24-hour time period starts when the breakdown was discovered or reasonably should have been discovered by the owner or operator. However, notification is not required in the circumstances outlined in Items A, B and C of Minn. R. 7019.1000, subp. 2.</p> <p>At the time of notification or as soon as possible thereafter, the owner or operator shall inform the Commissioner of the cause of the breakdown and the estimated duration. The owner or operator shall notify the Commissioner when the breakdown is over.</p>	<p>Minn. R. 7019.1000, subp. 2</p>
<p>Notification of Deviations Endangering Human Health or the Environment: As soon as possible after discovery, notify the Commissioner or the state duty officer, either orally or by facsimile, of any deviation from permit conditions which could endanger human health or the environment.</p>	<p>Minn. R. 7019.1000, subp. 1</p>
<p>Notification of Deviations Endangering Human Health or the Environment Report: Within 2 working days of discovery, notify the Commissioner in writing of any deviation from permit conditions which could endanger human health or the environment. Include the following information in this written description:</p> <ol style="list-style-type: none"> 1. the cause of the deviation; 2. the exact dates of the period of the deviation, if the deviation has been corrected; 3. whether or not the deviation has been corrected; 4. the anticipated time by which the deviation is expected to be corrected, if not yet corrected; and 5. steps taken or planned to reduce, eliminate, and prevent reoccurrence of the deviation. 	<p>Minn. R. 7019.1000, subp. 1</p>
<p>OTHER CONDITIONS</p>	<p>hdr</p>
<p>Operation Changes: In any shutdown, breakdown, or deviation the Permittee shall immediately take all practical steps to modify operations to reduce the emission of any regulated air pollutant. The Commissioner may require feasible and practical modifications in the operation to reduce emissions of air pollutants. No emissions units that have an unreasonable shutdown or breakdown frequency of process or control equipment shall be permitted to operate.</p>	<p>Minn. R. 7019.1000, subp. 4</p>
<p>Air Pollution Control Equipment: Operate all pollution control equipment whenever the corresponding process equipment and emission units are operated, unless otherwise noted in Table A.</p>	<p>Minn. R. 7007.0800, subp. 2; Minn. R. 7007.0800, subp. 16(J)</p>
<p>Operation and Maintenance Plan: Retain at the stationary source an operation and maintenance plan for all air pollution control equipment.</p>	<p>Minn. R. 7007.0800, subp. 14 and Minn. R. 7007.0800, subp. 16(J)</p>
<p>Circumvention: Do not install or use a device or means that conceals or dilutes emissions, which would otherwise violate a federal or state air pollution control rule, without reducing the total amount of pollutant emitted.</p>	<p>Minn. R. 7011.0020</p>

TABLE A: LIMITS AND OTHER REQUIREMENTS

05/15/01

Facility Name: Alumacraft Boat Co

Permit Number: 10300014 - 002

Fugitive Emissions: Do not cause or permit the handling, use, transporting, or storage of any material in a manner which may allow avoidable amounts of particulate matter to become airborne. Comply with all other requirements listed in Minn. R. 7011.0150.	Minn. R. 7011.0150
Application for Permit Amendment: If a permit amendment is needed, submit an application in accordance with the requirements of Minn. R. 7007.1150 through Minn. R. 7007.1500. Submittal dates vary, depending on the type of amendment needed.	Minn. R. 7007.1150 through Minn. R. 7007.1500
Recordkeeping: Maintain records describing any insignificant modifications (as required by Minn. R. 7007.1250, subp. 3) or changes contravening permit terms (as required by Minn. R. 7007.1350 subp. 2), including records of the emissions resulting from those changes.	Minn. R. 7007.0800, subp. 5(B)
Noise: The Permittee shall comply with the noise standards set forth in Minn. R. 7030.0010 to 7030.0080 at all times during the operation of any emission units. This is a state only requirement and is not enforceable by the EPA Administrator or citizens under the Clean Air Act.	Minn. R. 7030.0010 - 7030.0080
The Permittee shall comply with the General Conditions listed in Minn. R. 7007.0800, subp. 16.	Minn. R. 7007.0800, subp. 16
Inspections: The Permittee shall comply with the inspection procedures and requirements as found in Minn. R. 7007.0800, subp. 9(A).	Minn. R. 7007.0800, subp. 9(A)
Emission Fees: due 60 days after receipt of an MPCA bill.	Minn. R. 7002.0005 through Minn. R. 7002.0095

TABLE A: LIMITS AND OTHER REQUIREMENTS

05/15/01

Facility Name: Alumacraft Boat Co

Permit Number: 10300014 - 002

Subject Item: GP 001 Paint Booths

Associated Items: EU 002 Paint Booth #1

EU 003 Paint Booth #2

EU 004 Paint Booth #3

EU 010 Paint Booth #4

What to do	Why to do it
EMISSION LIMITS	hdr
Total Particulate Matter: less than or equal to 0.3 grains/dry standard cubic foot unless required to further reduce emissions to comply with the less stringent limit of either Minn. R. 7011.0730 or 7011.0735.	Minn. R. 7011.0715, subp. 1
Opacity: less than or equal to 20 percent	Minn. R. 7011.0715, subp. 1
CONTROL EQUIPMENT REQUIREMENTS	hdr
Vent all emissions from the paint booths through HEPA wall filters. All filters shall be maintained and operated to maintain a collection efficiency of 92% for PM and PM10. Paint booths shall be maintained and operated to attain a PM and PM10 capture efficiency of 80% for EU 002, and 100% for EU 003, EU 004, and EU 010. The door(s) to paint booths 2, 3, and 4 (EU 003, 004, and 010, respectively) shall be closed during all painting in order to attain a 100% capture efficiency.	Title I Condition: Requirement to limit PM/PM10 emissions from the source to less than major levels as defined by 40 CFR 52.21
Each operating day, inspect the wall filters and record their condition. The condition of the filters includes, but is not limited to alignment, saturation, tears, and holes. Record the results of the inspection.	Minn. R. 7011.0080
Corrective Action: If the daily inspection of the wall filters shows saturation, holes, or tears, or shows misalignment, the filters shall be immediately replaced or realigned as appropriate.	Minn. R. 7007.0800, subp. 2

TABLE A: LIMITS AND OTHER REQUIREMENTS

05/15/01

Facility Name: Alumacraft Boat Co

Permit Number: 10300014 - 002

Subject Item: GP 002 Additional VOC Emission Sources

Associated Items: EU 005 Solvent Wipe Down of Boats

EU 006 Gluing Sub assembly

EU 007 Gluing Floor assembly

EU 008 Gluing Hull prep

EU 009 Cleaning

What to do	Why to do it
Determination of VOC Content For Emission Calculations: VOC content in percent by weight of each material used shall be determined as described in the Total Facility section of Table A of this permit.	Title I Condition: Monitoring for conditions taken to restrict potential emissions to less than major source levels as defined by 40 CFR 52.21
Daily Recordkeeping: Once each day, calculate and record the total quantity (in pounds) of each VOC-containing material (glue or solvent) used the previous day in any emission unit in GP 002.	Title I Condition: Monitoring for conditions taken to restrict potential emissions to less than major source levels as defined by 40 CFR 52.21
<p>GP 002 VOC Emission Calculations: By the 15th day of each month, calculate and record the total GP 002 VOC emissions for the previous month. Total GP 002 VOC emissions for the previous month shall be determined by summing the calculated VOC emissions from each solvent or glue used during the previous month using the following equation:</p> $GP002VOC = E [Solvent-Glue * \%VOC/2000]$ <p>where:</p> <p>Solvent-Glue = Each solvent, glue, or other VOC-containing material used in the previous month, in pounds %VOC = VOC wt. percent in each solvent, glue, or other VOC-containing material GP002VOC = GP 002 VOC emissions E = Summation</p>	Title I Condition: Monitoring for conditions taken to restrict potential emissions to less than major source levels as defined by 40 CFR 52.21

TABLE A: LIMITS AND OTHER REQUIREMENTS

05/15/01

Facility Name: Alumacraft Boat Co
 Permit Number: 10300014 - 002

Subject Item: EU 002 Paint Booth #1

Associated Items: CE 001 Andre - Cardboard Binks Filter (Accordian)
 GP 001 Paint Booths
 SV 002 Paint Booth #1

What to do	Why to do it
MONITORING AND RECORDKEEPING	hdr
Determination of VOC and Solids Content For Emission Calculations: VOC and Solids content in percent by weight of each material used shall be determined as described in the Total Facility section of Table A of this permit.	Title I Condition: Monitoring for conditions taken to restrict potential emissions to less than major source levels as defined by 40 CFR 52.21
Daily Recordkeeping: Once each day, calculate and record the total quantity (in pounds) of each VOC- and solids-containing material used the previous day in EU 002.	Title I Condition: Monitoring for conditions taken to restrict potential emissions to less than major source levels as defined by 40 CFR 52.21
<p>EU 002 Monthly VOC Emissions Calculations: By the 15th day of each month, calculate and record the total EU 002 VOC emissions for the previous month. Total EU 002 VOC emissions for the previous month shall be determined by summing the calculated VOC emissions from each paint (coating) used during the previous month using the following equation:</p> $EU002VOC = E [PT * \%VOC/2000]$ <p>where:</p> <p>PT = coating use in EU 002 the previous month (pounds) %VOC = the wt. percent VOC in paint as determined above EU002VOC = total monthly VOC emissions in tons for all paint usage E = summation</p>	Title I Condition: Monitoring for conditions taken to restrict potential emissions to less than major source levels as defined by 40 CFR 52.21
<p>EU 002 PM/PM10 Emission Calculations: By the 15th day of each month, calculate and record the total EU 002 PM/PM10 emissions for the previous month. Total EU 002 PM emissions for the previous month shall be determined by summing the calculated particulate emissions from each type of coating used during the previous month, using the following equation:</p> $EU002EPM = E [(1-0.3)*((PT * \%S * 0.2 + PT * \%S * (1-0.92)*0.8)/2000)]$ <p>where:</p> <p>PT = coating use in EU 002 the previous month (pounds) %S = the weight percent solids in the coating 0.8 = capture efficiency 0.2 = uncaptured portion of coating spray EU002EPM = tons of PM/PM10 emitted 0.3 = transfer efficiency 0.92 = collection efficiency of the HEPA wall filters E = summation</p>	Title I Condition: Monitoring for conditions taken to restrict potential emissions to less than major source levels as defined by 40 CFR 52.21

TABLE A: LIMITS AND OTHER REQUIREMENTS

05/15/01

Facility Name: Alumacraft Boat Co

Permit Number: 10300014 - 002

Subject Item: EU 003 Paint Booth #2

Associated Items: CE 002 Fiberglass Filter w/Cardboard Frame

GP 001 Paint Booths

SV 003 Paint Booth #2

What to do	Why to do it
EMISSION LIMITS AND OPERATING REQUIREMENTS	hdr
Volatile Organic Compounds: less than or equal to 30 tons/year using 12-month Rolling Sum for EU 003.	Title I Condition: Limit to restrict potential emissions to less than major source levels as defined by 40 CFR 52.21 and to meet operating assumptions of BACT analysis for EU 003 VOC emissions
Paint Booth Total Enclosure: Paint booth doors must be closed during all spray painting and coating operations.	Title I Condition: To restrict potential emissions to less than major source levels as defined by 40 CFR 52.21 and to meet operating assumptions of BACT analysis for EU 003 PM/PM10 emissions
Transfer Efficiency: The Permittee shall use the spray gun technology with the highest transfer efficiency possible during spraying operations.	Title I Condition: To restrict potential emissions to less than major source levels as defined by 40 CFR 52.21 and to meet operating assumptions of BACT analysis for EU 003 PM/PM10 emissions
MONITORING AND RECORDKEEPING	hdr
Determination of VOC and Solids Content For Emission Calculations: VOC and Solids content in percent by weight of each material used shall be determined as described in the Total Facility section of Table A of this permit.	Title I Condition: Monitoring for conditions taken to restrict potential emissions to less than major source levels as defined by 40 CFR 52.21
Daily Recordkeeping: Once each day, calculate and record the total quantity (in pounds) of each VOC- and solids-containing material used the previous day in EU 003.	Title I Condition: Monitoring for conditions taken to restrict potential emissions to less than major source levels as defined by 40 CFR 52.21
<p>EU 003 Monthly VOC Emissions Calculations: By the 15th day of each month, calculate and record the total EU 003 VOC emissions for the previous month and the previous 12-month period. Total EU 003 VOC emissions for the previous month shall be determined by summing the calculated VOC emissions from each paint (coating) used during the previous month using the following equation:</p> $EU003VOC = E [PT * \%VOC/2000]$ <p>where:</p> <p>PT = coating use in EU 003 the previous month (pounds) %VOC = the wt. percent VOC in paint as determined above EU003VOC = total monthly VOC emissions in tons for all paint usage E = summation</p> <p>VOC emissions for the previous 12-month period shall be calculated by summing the monthly VOC emissions for the previous 12 months.</p>	Title I Condition: Monitoring for conditions taken to restrict potential emissions to less than major source levels as defined by 40 CFR 52.21
<p>EU 003 PM/PM10 Emission Calculations: By the 15th day of each month, calculate and record the total PM/PM10 emissions for the previous month. Total EU 003 PM emissions for the previous month shall be determined by summing the calculated particulate emissions from each type of coating used during the previous month, using the following equation:</p> $EU003EPM = E [(1-0.3)*(PT * \%S * (1-0.92)/2000)]$ <p>where:</p> <p>PT = coating use in EU 003 the previous month (pounds) %S = the weight percent solids in the coating EU003EPM = tons of PM/PM10 emitted 0.3 = transfer efficiency 0.92 = collection efficiency of the HEPA wall filters E = summation</p>	Title I Condition: Monitoring for conditions taken to restrict potential emissions to less than major source levels as defined by 40 CFR 52.21

TABLE A: LIMITS AND OTHER REQUIREMENTS

05/15/01

Facility Name: Alumacraft Boat Co

Permit Number: 10300014 - 002

Subject Item: EU 004 Paint Booth #3

Associated Items: CE 003 Fiberglass Filter w/Cardboard Frame

GP 001 Paint Booths

SV 004 Paint Booth #3

What to do	Why to do it
EMISSION LIMITS AND OPERATING REQUIREMENTS	hdr
Volatile Organic Compounds: less than or equal to 30 tons/year using 12-month Rolling Sum for EU 004.	Title I Condition: Limit to restrict potential emissions to less than major source levels as defined by 40 CFR 52.21 and to meet operating assumptions of BACT analysis for EU 004 VOC emissions
Paint Booth Total Enclosure: Paint booth doors must be closed during all spray painting and coating operations.	Title I Condition: To restrict potential emissions to less than major source levels as defined by 40 CFR 52.21 and to meet operating assumptions of BACT analysis for EU 004 PM/PM10 emissions
Transfer Efficiency: The Permittee shall use the spray gun technology with the highest transfer efficiency possible during spraying operations.	Title I Condition: To restrict potential emissions to less than major source levels as defined by 40 CFR 52.21 and to meet operating assumptions of BACT analysis for EU 004 PM/PM10 emissions
MONITORING AND RECORDKEEPING	hdr
Determination of VOC and Solids Content For Emission Calculations: VOC and Solids content in percent by weight of each material used shall be determined as described in the Total Facility section of Table A of this permit.	Title I Condition: Monitoring for conditions taken to restrict potential emissions to less than major source levels as defined by 40 CFR 52.21
Daily Recordkeeping: Once each day, calculate and record the total quantity (in pounds) of each VOC- and solids-containing material used the previous day in EU 004.	Title I Condition: Monitoring for conditions taken to restrict potential emissions to less than major source levels as defined by 40 CFR 52.21
<p>EU 004 Monthly VOC Emissions Calculations: By the 15th day of each month, calculate and record the total EU 004 VOC emissions for the previous month and the previous 12-month period. Total EU 004 VOC emissions for the previous month shall be determined by summing the calculated VOC emissions from each paint (coating) used during the previous month using the following equation:</p> $EU004VOC = E [PT * \%VOC/2000]$ <p>where:</p> <p>PT = coating use in EU 004 the previous month (pounds) %VOC = the wt. percent VOC in paint as determined above EU004VOC = total monthly VOC emissions in tons for all paint usage E = summation</p> <p>VOC emissions for the previous 12-month period shall be calculated by summing the monthly VOC emissions for the previous 12 months.</p>	Title I Condition: Monitoring for conditions taken to restrict potential emissions to less than major source levels as defined by 40 CFR 52.21
<p>EU 004 PM/PM10 Emission Calculations: By the 15th day of each month, calculate and record the total PM/PM10 emissions for the previous month. Total EU 004 PM emissions for the previous month shall be determined by summing the calculated particulate emissions from each type of coating used during the previous month, using the following equation:</p> $EU004EPM = E [(1-0.3)*(PT * \%S * (1-0.92)/2000)]$ <p>where:</p> <p>PT = coating use in EU 004 the previous month (pounds) %S = the weight percent solids in the coating EU004EPM = tons of PM/PM10 emitted 0.3 = transfer efficiency 0.92 = collection efficiency of the HEPA wall filters E = summation</p>	Title I Condition: Monitoring for conditions taken to restrict potential emissions to less than major source levels as defined by 40 CFR 52.21

TABLE A: LIMITS AND OTHER REQUIREMENTS

05/15/01

Facility Name: Alumacraft Boat Co

Permit Number: 10300014 - 002

Subject Item: EU 010 Paint Booth #4

Associated Items: CE 004 Fiberglass Filter w/Cardboard Frame

GP 001 Paint Booths

SV 005 Paint Booth #4

What to do	Why to do it
EMISSION LIMITS AND OPERATING REQUIREMENTS	hdr
Volatile Organic Compounds: less than or equal to 25 tons/year using 12-month Rolling Sum for EU 010.	Title I Condition: Limit to restrict potential emissions to less than major source levels as defined by 40 CFR 52.21 and to meet operating assumptions of BACT analysis for EU 010 VOC emissions
Paint Booth Total Enclosure: Paint booth doors must be closed during all spray painting and coating operations.	Title I Condition: To restrict potential emissions to less than major source levels as defined by 40 CFR 52.21 and to meet operating assumptions of BACT analysis for EU 010 PM/PM10 emissions
Transfer Efficiency: The Permittee shall use the spray gun technology with the highest transfer efficiency possible during spraying operations.	Title I Condition: To restrict potential emissions to less than major source levels as defined by 40 CFR 52.21 and to meet operating assumptions of BACT analysis for EU 010 PM/PM10 emissions
MONITORING AND RECORDKEEPING	hdr
Determination of VOC and Solids Content For Emission Calculations: VOC and Solids content in percent by weight of each material used shall be determined as described in the Total Facility section of Table A of this permit.	Title I Condition: Monitoring for conditions taken to restrict potential emissions to less than major source levels as defined by 40 CFR 52.21
Daily Recordkeeping: Once each day, calculate and record the total quantity (in pounds) of each VOC- and solids-containing material used the previous day in EU 010.	Title I Condition: Monitoring for conditions taken to restrict potential emissions to less than major source levels as defined by 40 CFR 52.21
<p>EU 010 Monthly VOC Emissions Calculations: By the 15th day of each month, calculate and record the total EU 010 VOC emissions for the previous month and the previous 12-month period. Total EU 010 VOC emissions for the previous month shall be determined by summing the calculated VOC emissions from each paint (coating) used during the previous month using the following equation:</p> $EU010VOC = E [PT * \%VOC/2000]$ <p>where:</p> <p>PT = coating use in EU 010 the previous month (pounds) %VOC = the wt. percent VOC in paint as determined above EU010VOC = total monthly VOC emissions in tons for all paint usage E = summation</p> <p>VOC emissions for the previous 12-month period shall be calculated by summing the monthly VOC emissions for the previous 12 months.</p>	Title I Condition: Monitoring for conditions taken to restrict potential emissions to less than major source levels as defined by 40 CFR 52.21
<p>EU 010 PM/PM10 Emission Calculations: By the 15th day of each month, calculate and record the total PM/PM10 emissions for the previous month. Total EU 010 PM emissions for the previous month shall be determined by summing the calculated particulate emissions from each type of coating used during the previous month, using the following equation:</p> $EU010EPM = E [(1-0.3)*((PT * \%S * (1-0.92)/2000)]$ <p>where:</p> <p>PT = coating use in EU 010 the previous month (pounds) %S = the weight percent solids in the coating EU010EPM = tons of PM/PM10 emitted 0.3 = transfer efficiency 0.92 = collection efficiency of the HEPA wall filters E = summation</p>	Title I Condition: Monitoring for conditions taken to restrict potential emissions to less than major source levels as defined by 40 CFR 52.21

TABLE B: SUBMITTALS

05/15/01

Facility Name: Alumacraft Boat Co
Permit Number: 10300014 - 002

Table B lists most of the submittals required by this permit. Please note that some submittal requirements may appear in Table A or, if applicable, within a compliance schedule located in Table C. Table B is divided into two sections in order to separately list one-time only and recurrent submittal requirements.

Each submittal must be postmarked or received by the date specified in the applicable Table. Those submittals required by parts 7007.0100 to 7007.1850 must be certified by a responsible official, defined in Minn. R. 7007.0100, subp. 21. Other submittals shall be certified as appropriate if certification is required by an applicable rule or permit condition.

Send any application for a permit or permit amendment to:

Permit Technical Advisor
Permit Section
Air Quality Division
Minnesota Pollution Control Agency
520 Lafayette Road North
St. Paul, Minnesota 55155-4194

Also, where required by an applicable rule or permit condition, send to the Permit Technical Advisor notices of:

- accumulated insignificant activities,
- installation of control equipment,
- replacement of an emissions unit, and
- changes that contravene a permit term.

Unless another person is identified in the applicable Table, send all other submittals to:

Supervisor
Compliance Determination Unit
Air Quality Division
Minnesota Pollution Control Agency
520 Lafayette Road North
St. Paul, Minnesota 55155-4194

Send submittals that are required to be submitted to the U.S. EPA regional office to:

Mr. George Czerniak
Air and Radiation Branch
EPA Region V
77 West Jackson Boulevard
Chicago, Illinois 60604

Send submittals that are required by the Acid Rain Program to:

U.S. Environmental Protection Agency
Clean Air Markets Division
1200 Pennsylvania Avenue NW (6204N)
Washington, D.C. 20460

TABLE B: RECURRENT SUBMITTALS

05/15/01

Facility Name: Alumacraft Boat Co

Permit Number: 10300014 - 002

What to send	When to send	Portion of Facility Affected
Semiannual Deviations Report	due 30 days after end of each calendar half-year following Permit Issuance	Total Facility
Compliance Certification	due 30 days after end of each calendar year following Permit Issuance (for the previous calendar year). To be submitted on a form approved by the Commissioner, both to the Commissioner and to the US EPA regional office in Chicago. (See Table B cover page for EPA address). This report covers all deviations experienced during the calendar year.	Total Facility
Emissions Inventory Report	due 91 days after end of each calendar year following Permit Issuance	Total Facility

APPENDIX MATERIAL

Facility Name: Alumacraft Boat Co

Permit Number: 10300014-002

Insignificant Activities Required to be Listed:

- 1) Air make up units that are insignificant because the units have a potential to emit of less than one ton per year. Unit is subject to Minn. R. 7011.0610.
- 2) Bake oven to dry paint with potential emissions less than one ton per year. Unit is subject to Minn. R. 7011.0610.
- 3) Acid etch tank, potential emissions less than one tone per year. Unit is subject to Minn. R. 7011.0715.
- 4) Foam blown into boats, potential emissions less than one ton per year.

May 15, 2001

Mr. Mike Miner
Plant Engineer
Alumacraft Boat Company
315 West St. Julien Street
St. Peter, MN 56082

RE: Air Emission Permit No. 10300014-002

Dear Mr. Miner:

The enclosed permit, Air Emission Permit No. 10300014-002, authorizes operation of your facility located at 315 St. Julien Street, St. Peter, Nicollet County, Minnesota.

This administrative amendment replaces the permit issued May 7, 2001, and corrects PM/PM₁₀ emissions recordkeeping requirements for the four paint booths. Specifically, the requirement to calculate the 12-month rolling sum PM/PM₁₀ emissions for each booth has been removed. This requirement is a typographical error that was inadvertently placed in the permit for each paint booth, and is not appropriate because only monthly PM/PM₁₀ emissions are needed for determining total facility PM/PM₁₀ emissions on a monthly and 12-month rolling sum basis.

We appreciate your cooperation and compliance with environmental laws. If you have questions about the permit, please contact me at (507) 280-2992.

Sincerely,

Marshall M. Cole
Rochester Office
South District

MMC:jfh

Enclosure

cc: AQ File No. 2664

Mr. Mike Miner,

Page 2