

AIR EMISSION PERMIT NO. 11300014- 003

IS ISSUED TO

Arctic Cat, Inc.

Arctic Cat, Inc.
601 Brooks Avenue South
Thief River Falls, Pennington County, MN 56701

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	Issuance Date	Action Number
Total Facility Operating Permit	09/09/1997	10/07/2003	001
Major Amendment	08/17/2001	03/29/2002	002
Administrative Amendment	07/15/2002	See below	003

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: Administrative Amendment to a Federal; Pt 70

Issue Date: August 20, 2002

Expiration: October 7, 2003

Title I Conditions do not expire.

Ann M. Foss
Major Facilities Section Manager
Majors and Remediation Division

for Karen A. Studders
Commissioner
Minnesota Pollution Control Agency

AMFlh

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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:

Arctic Cat, Inc. manufactures snowmobiles, personal watercraft, and all terrain vehicles. The facility activities include vehicle and component design and vehicle assembly. Assembly includes machining, welding, painting, and engine testing. Fiberglass hoods, foam seat covers, and garments are also manufactured at the facility. The main sources of air emissions are from the electrodeposition coating, fibreglassing, foam seat production, logo silk screening, and engine testing.

Major Amendment (Action 002): This amendment removed the requirement for the facility to perform and submit computer dispersion modeling, and instead requires the submittal of modeling information. This is consistent with MPCA policy for smaller sources.

Administrative Amendment (Action 003): This amendment extends the submittal deadline for the computer dispersion modeling information.

TABLE A: LIMITS AND OTHER REQUIREMENTS

08/20/02

Facility Name: Arctic Cat Inc
 Permit Number: 11300014 - 003

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
Operation and Maintenance Plan: Retain at the stationary source an operation and maintenance plan for all air pollution control equipment on site.	Minn. R. 7007.0800, subp. 14 and Minn. R. 7007.0800, subp. 16(J)
Monitoring Equipment: Install or make needed repairs to monitoring equipment within 60 days of issuance of the permit if monitoring equipment is not installed and operational on the date the permit is issued.	Minn. R. 7007.0800, subp. 4(D)
Monitoring Equipment Calibration: Annually calibrate all required monitoring equipment (any requirements applying to continuous emission monitors are listed separately in this permit).	Minn. R. 7007.0800, subp. 4(D)
Operation of Monitoring Equipment: Unless otherwise noted in Tables A, B, and/or C, monitoring a process or control equipment connected to that process is not necessary during periods when the process is shutdown, or during checks of the monitoring systems, such as calibration checks and zero and span adjustments. If monitoring records are required, they should reflect any such periods of process shutdown or checks of the monitoring system.	Minn. R. 7007.0800, subp. 4(D)
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.	Minn. R. 7011.0020
Performance Testing: Conduct all performance tests in accordance with Minn. R. ch 7017 unless otherwise noted in Tables A, B, and/or C.	Minn. R. ch. 7017
Shutdowns: Notify the Commissioner at least 24 hours in advance of a planned shutdown of any process or control equipment if the shutdown would cause an increase in the emissions of any regulated air pollutant. At the time of notification, notify the Commissioner of the cause of the shutdown and the estimated duration. Notify the Commissioner again when the shutdown is over.	Minn. R. 7019.1000, subp. 3
Breakdowns: Notify the Commissioner within 24 hours of a breakdown of more than one hour duration of any process or control equipment if the breakdown causes an increase in the emissions of any regulated air pollutant. At the time of notification or as soon thereafter as possible, the permittee shall also notify the Commissioner of the cause of the breakdown and the estimated duration. Notify the Commissioner again when the breakdown is over.	Minn. R. 7019.1000, subp. 2
Oral Notification of Deviations Endangering Human Health or the Environment: As soon as possible after a discovery, notify the Commissioner orally or by facsimile of any deviation from permit conditions which could endanger human health or the environment.	Minn. R. 7019.1000, subp. 1
Written 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: cause of the deviation; exact dates of the period of the deviation; if the deviation has not been corrected, the anticipated time it is expected to continue; and steps taken or planned to reduce, eliminate, and prevent reoccurrence of the deviation.	Minn. R. 7019.1000, subp. 1
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.	Minn. R. 7007.0800, subp. 2; Minn. R. 7007.0800, subp. 16(J)
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
Extension Requests: The Permittee may apply for an Administrative Amendment to extend a deadline in a permit by no more than 120 days, provided the proposed deadline extension meets the requirements of Minn. R. 7007.1400, subp. 1(H).	Minn. R. 7007.1400, subp. 1(H)

TABLE A: LIMITS AND OTHER REQUIREMENTS

08/20/02

Facility Name: Arctic Cat Inc
 Permit Number: 11300014 - 003

Record keeping: 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)
Record keeping: 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 strip-chart 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)
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 federally enforceable.	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: Upon presentation of credentials and other documents as may be required by law, allow the Agency, or its representative, to enter the Permittee's premises to have access to and copy any records required by this permit, to inspect at reasonable times (which include any time the source is operating) any facilities, equipment, practices or operations, and to sample or monitor any substances or parameters at any location.	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
Total Particulate Matter: less than or equal to 240 tons/year using 12-month Rolling Sum	Title I Condition: Limit to avoid classification as a major source or modification under 40 CFR Section 52.21
Particulate Matter < 10 micron: less than or equal to 240 tons/year using 12-month Rolling Sum	Title I Condition: Limit to avoid classification as a major source or modification under 40 CFR Section 52.21 and 40 CFR pt. 51, Appendix S
Carbon Monoxide: less than or equal to 240 tons/year using 12-month Rolling Sum	Title I Condition: Limit to avoid classification as a major source or modification under 40 CFR Section 52.21
Nitrogen Oxides: less than or equal to 240 tons/year using 12-month Rolling Sum	Title I Condition: Limit to avoid classification as a major source or modification under 40 CFR Section 52.21
Sulfur Dioxide: less than or equal to 240 tons/year using 12-month Rolling Sum	Title I Condition: Limit to avoid classification as a major source or modification under 40 CFR Section 52.21 and 40 CFR pt. 51, Appendix S
Volatile Organic Compounds: less than or equal to 246 tons/year using 12-month Rolling Sum	Title I Condition: Limit to avoid classification as a major source or modification under 40 CFR Section 52.21
Type of Emission Units Allowed: The stationary source shall not have any emission units other than the following process operations and emission units: spray guns, spraying and coating booths, degreasers, cleaning of surfaces, fuel storage, boilers, fabric filters, wall filters, panel filters, baghouses, internal combustion engine, burnoff ovens, furnaces, abrasive blasting and grinding, gluing ovens, treatment of resins and gelcoats, dip tanks, engine testing, screen printing, fiberglassing, assembly, molding, stenciling and/or any insignificant activities listed in Minn. R. 7007.1300.	Minn. R. 7007.0800, subp. 2
Labeling Requirements: The Permittee shall permanently display on each emission unit the Emission Unit (EU) number and on each item of air pollution control equipment, the Control Equipment (CE) number. The identifying number shall be legible from a safe distance.	Title I Condition: Monitoring for limit to avoid classification as a major source or modification under 40 CFR Section 52.21 and 40 CFR pt. 51, Appendix S, where applicable
Equipment List Inventory: The Permittee shall maintain a written list of all emission units on site that are not insignificant activities. The list shall include the type of equipment; identifying number; dates of installation, modification and/or reconstruction; and reference to applicable Standards of Performance for New Stationary Sources (40 CFR pt. 60) and National Emission Standards for Hazardous Air Pollutants (40 CFR pt. 63).	Title I Condition: Record keeping for limit to avoid classification as a major source or modification under 40 CFR Section 52.21 and 40 CFR pt. 51, Appendix S, where applicable
Updating the Equipment List Inventory: The list shall be updated to include new, modified, or relocated equipment before making a change. New emission units may be installed if they are of a type already listed in this permit, and existing units may be modified or moved, without obtaining a permit amendment, provided total facility emissions remain within the limits specified in the permit.	Title I Condition: Record keeping for limit to avoid classification as a major source or modification under 40 CFR Section 52.21 and 40 CFR pt. 51, Appendix S, where applicable
Emission Factors: The Permittee shall submit to the Commissioner for approval on-site generated emission factors and voluntary industry testing standards within 60 days before use.	Title I Condition: Monitoring for limit to avoid classification as a major source or modification under 40 CFR Section 52.21 and 40 CFR pt. 51, Appendix S, where applicable.
Record keeping: The Permittee shall record natural gas meter readings to determine monthly natural gas usage for each calendar month.	Minn. R. 7007.0800, subp. 5

TABLE A: LIMITS AND OTHER REQUIREMENTS

08/20/02

Facility Name: Arctic Cat Inc
 Permit Number: 11300014 - 003

<p>Record keeping: For PM/PM10, and VOC, the solids and VOC content of purchased materials shall be determined by the Material Safety Data Sheet (MSDS) provided by the supplier for each material used. If a material content range is given on the MSDS, the highest number in the range shall be used in all compliance calculations. Other methods approved by the MPCA may be used to determine the material content. The Division Manager reserves the right to require the Permittee to take samples of the materials, and to conduct analysis of material content using EPA reference methods. If an EPA reference method is used for material content determination, the data obtained shall supercede the MSDS.</p>	<p>Title I Condition: Record keeping for limit to avoid classification as a major source or modification under 40 CFR Section 52.21 and 40 CFR pt. 51, Appendix S, where applicable</p>
<p>Record keeping for PM/PM10 emissions: The Permittee shall maintain records and calculate the PM/PM10 emissions from applicable emission units. The emissions shall be calculated using the following equation:</p> $PM/PM10 = P \times T \times (100-E)/100$ <p>where: P = uncontrolled emission rate in pounds per hour T = time in operation, hours per calendar month E = control efficiency of the control equipment as specified in Minn. R. 7007.0080</p> <p>OR</p> $PM/PM10 = P \times (100-E)/100$ <p>where: P = total uncontrolled emissions per calendar month based on materials used.</p>	<p>Title I Condition: Monitoring for limit to avoid classification as a major source or modification under 40 CFR Section 52.21 and 40 CFR pt. 51, Appendix S, where applicable</p>
<p>Record keeping for NOx and CO emissions: The Permittee shall maintain records and calculate the NOx and CO emissions from applicable emission units. The emissions shall be calculated using the following equations:</p> $NOx = [(100 \text{ lb/MMcf} \times Qng) + (19 \text{ lb}/1000 \text{ gal} \times Qprop) + \text{summation}(EF \times Qgas)] \times 0.0005$ $CO = [(21 \text{ lb/MMcf} \times Qng) + (3.2 \text{ lb}/1000 \text{ gal} \times Qprop) + \text{summation} (EF \times Qgas)] \times 0.0005$	<p>Title I Condition: Record keeping for limit to avoid classification as a major source or modification under 40 CFR Section 52.21 and 40 CFR pt. 51, Appendix S, where applicable</p> <p>CONTINUED</p>
<p>where: Qng = Quantity of natural gas combusted during the calendar month in millions of cubic feet. Qprop = Quantity of propane combusted during the calendar months in gallons EF = Emission Factor. The Permittee shall use emission factors published in EPA's AP-42 or on-site generated emissions factors based upon an EPA Certificate of Conformity (40 CFR Section 96.106), state certification processes, or voluntary industry testing standards Qgas = Horsepower engines were tested at during the test period multiplied by the time tested in hours or fuel usage in gallons, whichever is applicable lb/MMcf = pounds emitted per million cubic feet combusted 0.0005 = conversion factor, ton/lb</p>	<p>Title I Condition: Record keeping for limit to avoid classification as a major source or modification under 40 CFR Section 52.21 and 40 CFR pt. 51, Appendix S, where applicable</p>
<p>Record keeping for VOC emissions: Once each day, the Permittee shall record the following for the previous day:</p> <p>A. pounds of VOC per material used per part; B. total VOC emitted in pounds per part; C. total VOC emitted in pounds per day</p>	<p>Title I Condition: Record keeping for limit to avoid classification as a major source or modification under 40 CFR Section 52.21 and 40 CFR pt. 51, Appendix S, where applicable</p>
<p>Record keeping for VOC emissions: The Permittee shall maintain records and calculate the VOC emissions from applicable emission units. The emissions shall be calculate using the following equation:</p> $VOC: [\text{Summation}(XnVn) + (2.784 \text{ lb/MMcf} \times Qng) + (0.5 \text{ lb}/1000 \text{ gal} \times Qprop) + \text{Summation}[EF \times Qgas] \times 0.0005$	<p>Title I Condition: Monitoring for limit to avoid classification as a major source or modification under 40 CFR section 52.21 and 40 CFR pt. 51, Appendix S where applicable</p> <p>CONTINUED</p>

TABLE A: LIMITS AND OTHER REQUIREMENTS

08/20/02

Facility Name: Arctic Cat Inc
 Permit Number: 11300014 - 003

<p>where: Xn = number of "n" parts produced, parts/calendar month Vn = amount of VOC used per "n" part, pounds/part and will include VOCs from parting/coating, fibreglassing, assembly and molding Qprop = Quantity of propane combusted during the calendar month in gallons Qng = Quantity of natural gas combusted during the calendar month in millions of cubic feet EF = Emission Factor: Arctic Cat shall use the emission factors published in EPA's AP-42 or on-site generated emission factors based upon an EPA Certificate of Conformity (40 CFR 96.106), state certification processes, or voluntary industry testing standards Qgas = Horsepower engines that were tested at during the test period multiplied by the time tested in hours or fuel usage in gallons, whichever is applicable lb/MMcf = pounds emitted per million cubic feet combusted 0.0005 = conversion factor, ton/lb</p>	<p>Title I Condition: Monitoring for limit to avoid classification as a major source or modification under 40 CFR Section 52.21 and 40 CFR pt. 51, Appendix S, where applicable</p>																
<p>Monitoring for VOC emissions: On a semi-annual basis, the Permittee shall reconcile their purchased records against the bill of material consumption rates. If the bill of material underestimates the purchase records by 20 percent or 10 tons, whichever is greater, on two consecutive periods, the Permittee shall change its method of tracking VOC usage to use a combination of flow meters and purchase records. Flow meters shall be used for the bulk materials and purchase records for smaller sources.</p>	<p>Title I Condition: Monitoring for limit to avoid classification as a major source or modification under 40 CFR Section 52.21 and 40 CFR pt. 51, Appendix S, where applicable</p>																
<p>Install: due 60 days after 10/07/1998 (The Permittee shall install a flow meter on each of the bulk material supply lines.)</p>	<p>Minn. R. 7007.0800, subp. 4</p>																
<p>Monitoring: If CO, NOx and VOC emissions from emission units other than insignificant activities exceeds 230 tons/year as a 12-month Rolling Sum, the Permittee shall calculate and record CO, NOx and VOC emissions from insignificant activities monthly. Emissions from Insignificant Activities must be included except for Insignificant Activities listed as Insignificant Activities in Minn. R. 7007.1300, subp. 2.</p>	<p>Title I Condition: Monitoring for limit to avoid classification as a major source or modification under 40 CFR section 52.21 and 40 CFR pt. 51, Appendix S where applicable</p>																
<p>The Permittee may submit to the Commissioner for approval a plan to record and deduct from total VOC use those VOCs which are removed from the facility as a liquid or solid waste or material for recycle. Upon approval, the Permittee may use the procedures of the plan in estimating the amount of VOC emitted to the atmosphere.</p>	<p>Title 1 Condition: Monitoring for limit to avoid classification as a major source or modification under 40 CFR section 52.21 and 40 CFR pt. 51, Appendix S, where applicable</p>																
<p>Monitoring: The Permittee shall calculate the 12-month rolling sum each calendar month for PM/PM10, CO, NOx and VOC emissions. The calculations must be completed by the 15th day of each month for the preceding calendar month.</p>	<p>Title I Condition: Monitoring for limit to avoid classification as a major source or modification under 40 CFR Section 52.21 and 40 CFR pt. 51, Appendix S, where applicable</p>																
<p>Monitoring: For the first 11 months after this permit is issued, the Permittee shall calculate the 12-month Rolling Sum using the previous 11 months of monthly fuel and materials use (determined prior to permit issuance). The Permittee shall calculate the 12-month Rolling Sum for gasoline usage only by using 1997 gasoline usage and dividing it by 12 to determine each of the applicable months in 1997. This monthly gasoline usage will be used to determine compliance with the 12-month Rolling sum for the first 12 months after the permit is issued. All calculations and usages shall be based on verifiable records maintained by the Permittee.</p>	<p>Title 1 Condition: Record keeping for limit to avoid classification as a major source or modification under 40 CFR Section 52.21 and 40 CFR pt. 51, Appendix S, where applicable</p>																
<p>Emission Factors for Internal Combustion Engines: The Permittee shall use the following emission factors to calculate emissions from internal combustion engines. The Permittee may use emission test data supplied by the manufacturer if approved by the Agency.</p> <table border="0" data-bbox="139 1507 479 1701"> <tr> <td>N/A</td> <td>Gasoline</td> </tr> <tr> <td>Pollutant</td> <td>lb/1000 gal</td> </tr> <tr> <td>PM</td> <td>6.47</td> </tr> <tr> <td>PM10</td> <td>6.2</td> </tr> <tr> <td>SO2</td> <td>5.3</td> </tr> <tr> <td>NOx</td> <td>102.0</td> </tr> <tr> <td>VOC</td> <td>148</td> </tr> <tr> <td>CO</td> <td>3940</td> </tr> </table> <p>Gasoline heating value is 130,000 Btu/gal</p>	N/A	Gasoline	Pollutant	lb/1000 gal	PM	6.47	PM10	6.2	SO2	5.3	NOx	102.0	VOC	148	CO	3940	<p>Title I Condition: Emission factors for calculation of actual emissions for limit to avoid classification as a major source or modification under 40 CFR Section 52.21 and 40 CFR pt. 51, Appendix S, where applicable</p>
N/A	Gasoline																
Pollutant	lb/1000 gal																
PM	6.47																
PM10	6.2																
SO2	5.3																
NOx	102.0																
VOC	148																
CO	3940																
<p>Fuels Allowed: The Permittee shall use only natural gas, propane and gasoline in combustion sources.</p>	<p>Minn. R. 7007.0800, subp. 2</p>																
<p>Air Pollution Control Equipment: The Permittee shall comply with the air pollution control equipment rule requirements for all listed air pollution control equipment at the facility.</p>	<p>Minn. R. 7011.0060 - 7011.0080 and Minn. R. 7007.0800, subp. 2</p>																

TABLE A: LIMITS AND OTHER REQUIREMENTS

08/20/02

Facility Name: Arctic Cat Inc

Permit Number: 11300014 - 003

<p>Environmental Assessment Worksheet (EAW): The Permittee shall not begin actual construction of any single project or projects that are connected or phased action which will cause a total increase in actual emissions of greater than 99 tons per year of any single criteria pollutant without first completing an EAW. "Connected actions" and "phased action" have the meanings given in Minn. R. 4410.0200, subps. 9b and 60.</p>	<p>Minn. Statue 1160.04, subd. 2b and Minn. R. 4410.4300, subp. 15</p>
<p>Risk Management Plan: The Permittee may be required to submit a Risk Management Plan (RMP) under the federal rule, 40 CFR 68 which was promulgated on June 20, 1996. The rule requires each owner or operator of a stationary source, at which a regulated substance is present above a threshold quantity in a process to design and implement an accidental release prevention program. The RMP must be submitted to a centralized located as specified by US EPA. The Permittee shall obtain the RMP submittal information at http://www.epa.gov/swercepp or call 1-800-424-9346. These requirements must be complied with no later than the lastest of the following dates: (1) June 21, 1999; (2) Three years after the date on which a regulated substance is first listed under 40 CFR Section 68.130; or (3) The date on which a regulated substance is first present above a threshold quantity in a process.</p>	<p>40 CFR pt. 68</p>
<p>The Permittee shall not "construct or reconstruct" a major source of hazardous air pollutants as defined in 40 CFR pt. 63, subp. B without first obtaining a preconstruction permit.</p>	<p>40 CFR Section 63.5(b)(3)</p>

TABLE A: LIMITS AND OTHER REQUIREMENTS

08/20/02

Facility Name: Arctic Cat Inc
 Permit Number: 11300014 - 003

Subject Item: GP 001 Molding,Coating & Fiberglass (each unit)

- Associated Items:** EU 006 Logo Silk Screening
 EU 007 Molded Foam Seat Station
 EU 008 Electrodeposition Coating
 EU 009 Solvent Flashoff
 EU 010 Solvent Flashoff
 EU 011 Solvent Flashoff

What to do	Why to do it
Total Particulate Matter: less than or equal to 0.3 grains/dry standard cubic foot of exhaust gas unless required to further reduce emissions to comply with the less stringent limit of either Minn. R. 7011.0730 or Minn. R. 7011. 0735.	Minn. R. 7011.0715, subp. 1(A); Minn. R. 7011.0730; Minn. R. 7011.0735
Opacity: less than or equal to 20 percent opacity .	Minn. R. 7011.0715, subp. 1(B)

TABLE A: LIMITS AND OTHER REQUIREMENTS

08/20/02

Facility Name: Arctic Cat Inc

Permit Number: 11300014 - 003

Subject Item: GP 002 Engine Testing (each engine)**Associated Items:** EU 012 Assembly Engine Testing

EU 013 Engineering Testing

EU 014 Engineering Testing

What to do	Why to do it
Opacity: less than or equal to 20 percent opacity once operating temperature have ben attained.	Minn. R. 7011.2300, subp. 1
Sulfur Dioxide: less than or equal to 0.5 lbs/million Btu heat input	Minn. R. 7011.2300, subp. 2

TABLE A: LIMITS AND OTHER REQUIREMENTS

08/20/02

Facility Name: Arctic Cat Inc

Permit Number: 11300014 - 003

Subject Item: GP 003 Ovens (each oven)

Associated Items: EU 016 Powder Coat Bake Oven

EU 017 E Coating Drying Oven

EU 018 Drying Oven (Washline Area)

What to do	Why to do it
Total Particulate Matter: less than or equal to 0.3 grains/dry standard cubic foot of exhaust gas unless required to further reduce emissions to comply with the less stringent limit of either Minn. R. 7011.0730 or Minn. R. 7011.0735.	Minn. R. 7011.0610, subp. 1(A)(1)
Opacity: less than or equal to 20 percent opacity ; except that a maximum of 60 percent opacity shall be permissible for four minutes in any 60-minute period and that a maximum of 40 percent opacity shall be permissible for four additional minutes in any 60-minute period.	Minn. R. 7011.0610, subp. 1(A)(2)
Sulfur Dioxide: less than or equal to 2.0 lbs/million Btu heat input .	Minn. R. 7011.0610, subp. 2(B)

TABLE A: LIMITS AND OTHER REQUIREMENTS

08/20/02

Facility Name: Arctic Cat Inc
 Permit Number: 11300014 - 003

Subject Item: GP 004 Panel Filters (each unit)

Associated Items: CE 001 Mat or Panel Filter
 CE 002 Mat or Panel Filter
 CE 003 Mat or Panel Filter

What to do	Why to do it
Collection efficiency of panel filter: The Permittee shall use filters with a manufacturer's guarantee of at least 96.5 % collection efficiency for particulate matter and particulate matter less than 10 microns.	Title I Condition: used to avoid classification under 40 CFR Section 52.21; Minn. R. 7007.0800, subp. 14
Capture efficiency of panel filter: The Permittee shall operate and maintain the panel filter to ensure equal to or greater than 80% capture efficiency of particulate matter and particulate matter less than 10 microns.	Title I Condition: used to avoid classification under 40 CFR Section 52.21; Minn. R. 7007.0800, subp. 14
Monitoring: Visually inspect condition of filters, including but not limited to alignment, saturation tears and holes.	Minn. R. 7007.0800, subp. 4
Recordkeeping: Record filter(s) condition every 24 hours, if in operation.	Minn. R. 7007.0800, subp. 4
Recordkeeping of corrective actions: The Permittee shall record any action taken in response to the observed filter condition, including the date and the time the filter was replaced.	Minn. R. 7007.0800, subp. 5

TABLE A: LIMITS AND OTHER REQUIREMENTS

08/20/02

Facility Name: Arctic Cat Inc
 Permit Number: 11300014 - 003

Subject Item: GP 005 Panel Filters (each unit)

Associated Items: CE 004 Mat or Panel Filter
 CE 005 Mat or Panel Filter
 CE 006 Mat or Panel Filter

What to do	Why to do it
Collection efficiency of panel filter: The Permittee shall use filters with a manufacturer's guarantee of at least 96.5 % collection efficiency for particulate matter and particulate matter less than 10 microns.	Title I Condition: used to avoid classification under 40 CFR Section 52.21; Minn. R. 7007.0800, subp. 14
Capture efficiency of panel filter: The Permittee shall operate and maintain the panel filter to ensure equal to or greater than 80% capture efficiency of particulate matter and particulate matter less than 10 microns.	Title I Condition: used to avoid classification under 40 CFR Section 52.21; Minn. R. 7007.0800, subp. 14
Monitoring: Visually inspect condition of filters, including but not limited to alignment, saturation tears and holes.	Minn. R. 7007.0800, subp. 4
Recordkeeping: Record filter(s) condition every 24 hours, if in operation.	Minn. R. 7007.0800, subp. 4
Recordkeeping of corrective actions: The Permittee shall record any action taken in response to the observed filter condition, including the date and the time the filter was replaced.	Minn. R. 7007.0800, subp. 5

TABLE A: LIMITS AND OTHER REQUIREMENTS

08/20/02

Facility Name: Arctic Cat Inc
 Permit Number: 11300014 - 003

Subject Item: GP 006 Panel Filtes (each unit)

Associated Items: CE 009 Mat or Panel Filter
 CE 010 Mat or Panel Filter

What to do	Why to do it
Collection efficiency of panel filter: The Permittee shall use filters with a manufacturer's guarantee of at least 96.5 % collection efficiency for particulate matter and particulate matter less than 10 microns.	Title I Condition: used to avoid classification under 40 CFR Section 52.21; Minn. R. 7007.0800, subp. 14
Capture efficiency of panel filter: The Permittee shall operate and maintain the panel filter to ensure equal to or greater than 80% capture efficiency of particulate matter and particulate matter less than 10 microns.	Title I Condition: used to avoid classification under 40 CFR Section 52.21; Minn. R. 7007.0800, subp. 14
Monitoring: Visually inspect condition of filters, including but not limited to alignment, saturation tears and holes.	Minn. R. 7007.0800, subp. 4
Recordkeeping: Record filter(s) condition every 24 hours, if in operation.	Minn. R. 7007.0800, subp. 4
Recordkeeping of corrective actions: The Permittee shall record any action taken in response to the observed filter condition, including the date and the time the filter was replaced.	Minn. R. 7007.0800, subp. 5

TABLE A: LIMITS AND OTHER REQUIREMENTS

08/20/02

Facility Name: Arctic Cat Inc

Permit Number: 11300014 - 003

Subject Item: CE 007 Mat or Panel Filter

What to do	Why to do it
Collection efficiency of panel filter: The Permittee shall use filters with a manufacturer's guarantee of at least 96.5 % collection efficiency for particulate matter and particulate matter less than 10 microns.	Title I Condition: used to avoid classification under 40 CFR Section 52.21; Minn. R. 7007.0800, subp. 14
Capture efficiency of panel filter: The Permittee shall operate and maintain the panel filter to ensure equal to or greater than 80% capture efficiency of particulate matter and particulate matter less than 10 microns.	Title I Condition: used to avoid classification under 40 CFR Section 52.21; Minn. R. 7007.0800, subp. 14
Monitoring: Visually inspect condition of filters, including but not limited to alignment, saturation tears and holes.	Minn. R. 7007.0800, subp. 4
Recordkeeping: Record filter(s) condition every 24 hours, if in operation.	Minn. R. 7007.0800, subp. 4
Recordkeeping of corrective actions: The Permittee shall record any action taken in response to the observed filter condition, including the date and the time the filter was replaced.	Minn. R. 7007.0800, subp. 5

TABLE A: LIMITS AND OTHER REQUIREMENTS

08/20/02

Facility Name: Arctic Cat Inc

Permit Number: 11300014 - 003

Subject Item: CE 008 Fabric Filter - Low Temperature, i.e., T<180 Degrees F

What to do	Why to do it
Operation and Maintenance of Fabric Filter: The Permittee shall operate and maintain the fabric filter according to the control equipment manufacturer's specifications. The Permittee shall retain the control equipment manufacturer's specifications on site.	Title I Condition: used to avoid classification under 40 CFR Section 52.21; Minn. R. 7007.0800, subp. 14
Pressure Drop: The Permittee shall maintain the pressure differential according to the manufacturer's specifications.	Minn. R. 7007.0800, subp. 4
Recordkeeping of pressure drop range: The Permittee shall record pressure drop once every week, if in operation.	Minn. R. 7007.0800, subp. 5
Visible Emissions: The Permittee shall check the SV 022 associated with CE 008 for visible emissions during daylight hours, on a daily basis.	Minn. R. 7007.0800, subp. 4
Record keeping of Visible Emissions (VE): The Permittee shall keep records on the time and date of VE inspection, whether or not any VEs were observed, and if corrective action was needed. If visible emissions are observed, the Permittee shall take all practical steps to modify operations to reduce the emission and shall take corrective action to eliminate visible emissions prior to the following business day, or prior to the next day the emission unit, that is being controlled, is operated.	Minn. R. 7007.0800, subp. 5
Record keeping of corrective actions: The Permittee shall follow the Operation and Maintenance plan for the fabric filter and take corrective actions as soon as possible to eliminate any problem associated with this control equipment. The Permittee shall keep a record of the corrective actions taken.	Minn. R. 7007.0800, subp. 5

TABLE B: SUBMITTALS

08/20/02

Facility Name: Arctic Cat Inc
Permit Number: 11300014 - 003

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: ONE TIME SUBMITTALS OR NOTIFICATIONS

08/20/02

Facility Name: Arctic Cat Inc

Permit Number: 11300014 - 003

What to send	When to send	Portion of Facility Affected
Application for Permit Reissuance	due 180 days before expiration of Existing Permit	Total Facility
Computer Dispersion Modeling Information	due before 11/13/2002. Submit modeling data as specified in MPCA guidance for Modeling Information Requests (for PM10). This modeling information is for data collection purposes, no modeling analysis is required at this time. This is a state only requirement and is not enforceable by the EPA Administrator or citizens under the Clean Air Act.	Total Facility

TABLE B: RECURRENT SUBMITTALS

08/20/02

Facility Name: Arctic Cat Inc
 Permit Number: 11300014 - 003

What to send	When to send	Portion of Facility Affected
Semiannual Deviations Report	<p>due 30 days after end of each calendar half-year starting 10/07/1998 . The first semiannual report submitted by the Permittee shall cover the calendar half-year in which the permit is issued. The first report of each calendar year covers January 1 - June 30. The second report of each calendar year covers July 1 - December 31.</p> <p>If there are no deviations during a report period, the Permittee shall submit the report stating there were no deviations.</p>	Total Facility
Compliance Certification	<p>due 30 days after end of each calendar year starting 10/07/1998 (for the previous calendar year). To be submitted on a form approved by the Commissioner , both to the Commissioner, and to the U.S. EPA regional office in Chicago. This report covers all deviations experienced during the calendar year.</p> <p>Address: Mr. George Czerniak, Chief Air Enforcement and Compliance Assurance Branch U. S. EPA Region V 77 West Jackson Boulevard Chicago, Illinois 60604</p>	Total Facility
Emissions Inventory Report	<p>due 91 days after end of each calendar year starting 10/07/1998 (April 1). To be submitted on a form approved by the Commissioner.</p>	Total Facility
Equipment List	<p>due 30 days after end of each calendar year starting 10/07/1998 to be submitted with the Compliance Certification. This report shall describe changes made to the stationary source without applying for an amendment. Such changes may include installation of new emission units of the same type described in this permit, and modification or relocation of emission units.</p>	Total Facility

August 20, 2002

Ms. Kim Jenkins
Environmental Compliance Coordinator
Arctic Cat, Inc.
Box 810
601 Brooks Avenue South
Thief River Falls, MN 56701

RE: Air Emission Permit No. 11300014-003, Administrative Amendment to the Air Emission Permit for the Arctic Cat Plant

Dear Ms. Jenkins:

Enclosed is permit 11300014-003 (Administrative Amendment to the existing air emission permit for the Arctic Cat Plant). The amendment extends the deadline for the submittal of dispersion modeling information.

Please read through the permit and review its conditions and requirements. Distribute the permit to staff members responsible for ensuring compliance with the conditions and limitation in the permit. This permit replaces the existing permit No. 11300014-002. The expiration date remains October 7, 2003.

We appreciate your cooperation and compliance with environmental laws. If you have any questions about the permit, please contact me at (651) 282-9889.

Sincerely,

Jenny L. Reinertsen, P.E.
Staff Engineer
Majors Air and Construction Section
Majors and Remediation Division

JSC:lh

Enclosure

cc: Robert Miller, U.S. Environmental Protection Agency
AQD File No. 890