

**AIR EMISSION PERMIT NO. 01700003- 002**

**IS ISSUED TO**

**Hearthmark, Incorporated**

**P.O. Box 2729**

**Muncie, IN 47307-0729**

d/b/a

Alltrista Consumer Products Company

1800 Cloquet Avenue

Cloquet, Carlton County, MN 55720

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 | November 22, 1995 | 7/9/03        | 001           |
| Major Amendment                 | June 26, 2002     |               |               |
| Administrative Amendment        | March 11, 2003    |               |               |
| Administrative Amendment        | January 29, 2004  | See below     | 002           |

This permit authorizes the Permittee to operate and modify 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 are as defined in the state air pollution control rules unless the term is explicitly defined in the permit.

**Permit Type:** State; Limits to Avoid Part 70

**Issue Date:** July 9, 2003

**Expiration:** Permit does not expire

All Title I Conditions do not expire.

**Administrative Amendment**

March 2, 2004:

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Ann M. Foss

Major Facilities Section Manager

Majors and Remediation Division

for

Sheryl A. Corrigan

Commissioner

Minnesota Pollution Control Agency

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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:**

This facility uses birch and aspen logs to produce wooden matches, toothpicks, ice cream sticks, and corn dog sticks. Green logs are de-barked and peeled/veneered to produce blanks that are then dried, shaped, and polished into various products. Coloring is applied to some toothpicks. Wood dust emissions are controlled by cyclones and baghouses. All cyclones except material handling cyclones are vented to baghouses. Waste sawdust and bark is burned in four wood-fired Dutch oven boilers. Boiler particulate matter emissions are controlled by a wet cyclonic separator. The Permittee also operates a print shop for printing on product packaging.

This permit authorizes installation of toothpick and wood craft shapes processing equipment and dryers. The new equipment will be composed of woodworking equipment (with emissions vented to a baghouse), material handling cyclones, and three steam-heated dryers. In addition, this permit includes an administrative permit amendment application for a change in ownership.

**PERMIT ACTION 002 - ADMINISTRATIVE AMENDMENT:**

This permit action will extend performance testing deadlines in the existing permit in accordance with Minn. R. 7007.1400, subp. 1(H) as follows:

1. GP002 – Test due after wet scrubber is replaced, originally due 3/15/04, now due 8/15/04.
2. GP003 – Change date of performance test from 3/15/04 to 7/12/04.
3. SV029 – Change date of performance test from 1/5/04 to 5/4/04.
4. SV036 – Change date of performance test from 1/5/04 to 5/4/04.

**TABLE A: LIMITS AND OTHER REQUIREMENTS**

03/04/04

Facility Name: Alltrista Consumer Products Co

Permit Number: 01700003 - 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**

| <b>What to do</b>   | <b>Why to do it</b>  |
|---|--|
| <b>OPERATIONAL REQUIREMENTS</b>   | hdr  |
| <p><b>Fabric Filter-Controlled Cyclones:</b> The Permittee shall not bypass a fabric filter that controls any cyclone, except during an emergency. All cyclones listed under the Associated Items in SV 021, SV 029, and SV 036 are subject to this requirement.</p> <p>An emergency is a situation that will cause facility personnel death, illness, or injury, or process equipment or product damage, if the fabric filter is not bypassed. The Permittee may only bypass during an emergency for the time period necessary to safely shutdown the process and/or control equipment.</p> <p>The material handling cyclones listed in GP 003 are not subject to this requirement.</p> <p>The Permittee shall record and keep a record of every fabric filter bypass event. The record shall be dated, and shall list start and stop times for each bypass, the cyclone and fabric filter that is involved in the bypass event, and the reason or cause for the bypass. Each entry shall be signed by the personnel that enters the record.</p> | Title I Condition: To avoid violation of PM10 ambient air standard |
| <p><b>Insignificant or Significant PM10 Modifications and Activities:</b> The Permittee shall not add any additional PM10 emission sources, make any modification to the facility that increases the emissions of PM10, or change any of the stack parameters used in the 2003 PM10 ambient air modeling (as listed in the Additional Appendix Material of this permit) that causes a reduction in dispersion of PM10 emissions, without first obtaining a major permit amendment.</p>  | Title I Condition: To avoid violation of PM10 ambient air standard |
| <p><b>Air Pollution Control Equipment:</b> Operate all pollution control equipment whenever the corresponding process equipment and emission units are operated, unless otherwise noted in Table A.</p>   | Minn. R. 7007.0800, subp. 2; Minn. R. 7007.0800, subp. 16(J)       |
| <p><b>Circumvention:</b> 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>   | Minn. R. 7011.0020   |
| <p><b>Operation and Maintenance Plan:</b> Retain at the stationary source an operation and maintenance plan for all air pollution control equipment. At a minimum, the O &amp; M plan shall identify all air pollution control equipment and shall include a preventative maintenance program for that equipment, a description of (the minimum but not necessarily the only) corrective actions to be taken to restore the equipment to proper operation to meet applicable permit conditions, a description of the employee training program for proper operation and maintenance of the control equipment, and the records kept to demonstrate plan implementation.</p>  | Minn. R. 7007.0800, subp. 14 and Minn. R. 7007.0800, subp. 16(J)   |
| <p><b>Operation Changes:</b> 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>  | Minn. R. 7019.1000, subp. 4  |
| <p><b>Fugitive Emissions:</b> The Permittee shall 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. The Permittee shall apply reasonable measures to prevent particulate matter from becoming airborne. Reasonable measures include, but are not limited to, paving or frequent clearing of roads, driveways, and parking lots; application of dust-free surfaces; application of water; and the planting and maintenance of vegetative ground cover. The Permittee shall comply with all other requirements in Minn. R. 7011.0150.</p>   | Minn. R. 7011.0150   |
| <p><b>Noise:</b> 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.</p>  | Minn. R. 7030.0010 - 7030.0080                                     |
| <p><b>Inspections:</b> The Permittee shall comply with the inspection procedures and requirements as found in Minn. R. 7007.0800, subp. 9(A).</p>   | Minn. R. 7007.0800, subp. 9(A)                                     |
| <p>The Permittee shall comply with the General Conditions listed in Minn. R. 7007.0800, subp. 16.</p>   | Minn. R. 7007.0800, subp. 16                                       |
| <b>PERFORMANCE TESTING</b>  | hdr  |

**TABLE A: LIMITS AND OTHER REQUIREMENTS**

03/04/04

Facility Name: Alltrista Consumer Products Co

Permit Number: 01700003 - 002

|   |   |
|---|---|
| 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   |
| Performance Test Notifications and Submittals:<br><br>Performance Tests are due as outlined in Tables A and B of the permit. See Table B for additional testing requirements.<br><br>Performance Test Notification (written): due 30 days before each Performance Test<br>Performance Test Plan: due 30 days before each Performance Test<br>Performance Test Pre-test Meeting: due 7 days before each Performance Test<br>Performance Test Report: due 45 days after each Performance Test<br>Performance Test Report - Microfiche Copy: due 105 days after each Performance Test  | Minn. R. 7017.2030, subp. 1-4 and Minn. R. 7017.2035, subp. 1-2 |
| Limits set as a result of a performance test (conducted before or after permit issuance) apply until superseded as specified by Minn. R. 7017.2025 following formal review of a subsequent performance test on the same unit.   | Minn. R. 7017.2025  |
| MONITORING REQUIREMENTS   | hdr   |
| Monitoring Equipment Calibration: Annually calibrate all required monitoring equipment (any requirements applying to continuous emission or continuous opacity 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)                                  |
| 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)                                  |
| 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)                                  |
| REPORTING/SUBMITTALS  | hdr   |
| 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.<br><br>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.                 | Minn. R. 7019.1000, subp. 3                                     |
| 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.<br><br>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. | Minn. R. 7019.1000, subp. 2                                     |
| 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.  | Minn. R. 7019.1000, subp. 1                                     |

**TABLE A: LIMITS AND OTHER REQUIREMENTS**

03/04/04

Facility Name: Alltrista Consumer Products Co

Permit Number: 01700003 - 002

|   |   |
|---|---|
| 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:<br>1. the cause of the deviation;<br>2. the exact dates of the period of the deviation, if the deviation has been corrected;<br>3. whether or not the deviation has been corrected;<br>4. the anticipated time by which the deviation is expected to be corrected, if not yet corrected; and<br>5. steps taken or planned to reduce, eliminate, and prevent reoccurrence of the deviation. | Minn. R. 7019.1000, subp. 1                   |
| 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)                |
| Emission Inventory Report: due 91 days after end of each calendar year following permit issuance (April 1). The Report shall be submitted on a form approved by the Commissioner.   | Minn. R. 7019.3000 through Minn. R. 7019.3010 |
| 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**

03/04/04

Facility Name: Alltrista Consumer Products Co

Permit Number: 01700003 - 002

**Subject Item:** GP 001 Dryers (Steam-heated)**Associated Items:** EU 002 Ice Cream Stick Dryer/SV 002

EU 003 No. 1 Splint Dryer/SV 003

EU 004 No. 2 Splint Dryer/SV 004

EU 013 Coe Veneer Dryer/SV 013 &amp; SV 014

EU 015 Flat Toothpick Dryer/SV 015

EU 032 Toothpick Dryer/SV 030

EU 033 Craft Dryer/SV 031

EU 034 Large Toothpick Dryer/SV 032

| What to do   |                             | Why to do it   |
|--|-----------------------------|--|
| PM10 Emission Limits:  |                             | Title I Condition: To avoid violation of PM10 ambient air standard |
| Emission Unit/Stack Vent   | PM10 Emission Limit (lb/hr) |  |
| EU 002/SV 002  | 0.00523                     |  |
| EU 003/SV 003  | 0.00273                     |  |
| EU 004/SV 004  | 0.00273                     |  |
| EU 013/SV 013  | 0.0131                      |  |
| EU 013/SV 014  | 0.0131                      |  |
| EU 015/SV 015  | 0.00314                     |  |
| EU 032/SV 030  | 0.00273                     |  |
| EU 033/SV 031  | 0.00273                     |  |
| EU 034/SV 032  | 0.00273                     |  |
| Total Particulate Matter: less than or equal to 0.30 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 for one six-minute period per hour of not more than 60 percent opacity, for each emission unit in GP 001.   |                             | Minn. R. 7011.0610, subp. 1(A)(2)                                  |



**TABLE A: LIMITS AND OTHER REQUIREMENTS**

03/04/04

Facility Name: Alltrista Consumer Products Co

Permit Number: 01700003 - 002

**Subject Item: GP 002 Boilers****Associated Items:** CE 003 Wet Cyclonic Separator - Wet Cyclone

EU 022 Boiler 1

EU 023 Boiler 2

EU 024 Boiler 3

EU 025 Boiler 4

SV 020 Common Boiler Stack

SV 022 Boiler 1 and 2 Bypass Stack

SV 023 Boiler 3 and 4 Bypass Stack

| What to do  | Why to do it   |
|---|--|
| LIMITS AND OPERATING REQUIREMENTS   | hdr  |
| Particulate Matter < 10 micron: less than or equal to 9.60 lbs/hour from SV 020.  | Title I Condition: To avoid violation of PM10 ambient air standard |
| Total Particulate Matter: less than or equal to 0.6 lbs/million Btu heat input  | Minn. R. 7011.0510, subp. 1  |
| Opacity: less than or equal to 20 percent opacity except for one six-minute period per hour of not more than 60 percent opacity.  | Minn. R. 7011.0510, subp. 2  |
| Permitted Fuel: Wood, wood waste, bark, and non-hazardous plant refuse. When combusting refuse in any of the boilers, the total fuel feed to the boiler shall be primarily wood (greater than 50 percent by weight) to avoid classification of the boiler as a waste combustor as defined in Minn. R. 7011.1201, subp. 46.  | Minn. R. 7007.0800, subp. 2  |
| Bypass Stack Usage: The Permittee shall not vent emissions from EU 022 and EU 023 through SV 022, and from EU 024 and EU 025 through SV 023, except during emergencies.<br><br>An emergency is a situation that will cause facility personnel death, illness, or injury, or process equipment or product damage if the bypass stack(s) is not used. The Permittee may only bypass during an emergency for the time period necessary to safely shutdown the process and/or control equipment.<br><br>The Permittee shall record and keep a record of every bypass stack usage event. The record shall be dated, and shall list start and stop times for each bypass, the stack and boiler(s) involved in the bypass event, and the reason or cause for the bypass. Each entry shall be signed by the personnel that enters the record. | Minn. R. 7007.0800, subp. 2  |
| CONTINUOUS OPACITY MONITORING REQUIREMENTS  | hdr  |
| Emissions Monitoring: The Permittee shall use a Continuous Opacity Monitoring System (COMS) to measure opacity from SV 020.   | Minn. R. 7017.1006   |
| Recordkeeping: The owner or operator must retain records of all COMS monitoring data and support information for a period of five years from the date of the monitoring sample, measurement or report. Records shall be kept at the source.   | Minn. R. 7007.1130   |
| Continuous Operation: The COMS must be operated and data recorded during all periods of emission unit operation including periods of emission unit start-up, shutdown, or malfunction except for periods of acceptable monitor downtime. This requirement applies whether or not a numerical emission limit applies during these periods. The COMS must not be bypassed except in emergencies where failure to bypass would endanger human health, safety, or plant equipment.<br><br>Acceptable monitor downtime includes reasonable periods as listed in Items A, B, C and D of Minn. R. 7017.1090, subp. 2.  | Minn. R. 7017.1090, subp. 1  |
| COMS Daily Calibration Drift (CD) Check: The CD shall be quantified and recorded at zero (low-level) and upscale (high-level) opacity at least once daily. The COMS must be adjusted whenever the CD exceeds twice the specification of Performance Specification 1 of 40 CFR part 60, Appendix B.  | Minn. R. 7017.1210, subp. 2  |
| COMS Calibration Error Audit: due before end of each calendar half-year following Permit Issuance. Conduct three point calibration error audits at least 3 months apart but no greater than 8 months apart. Filter values used shall correspond to approximately 11%, 20%, and 37% opacity.   | Minn. R. 7017.1210, subp. 3  |
| COMS Calibration Error Audit Results Summary: due 30 days after end of each calendar half-year following COMS Calibration Error Audit.  | Minn. R. 7017.1220   |
| COMS Monitoring Data: Owners or operators of all COMS shall reduce all data to 6-minute averages. Opacity averages shall be calculated from all equally spaced consecutive 10-second (or shorter) data points in the 6-minute averaging period.   | Minn. R. 7017.1200, subp. 1, 2 & 3                                 |

**TABLE A: LIMITS AND OTHER REQUIREMENTS**

03/04/04

Facility Name: Alltrista Consumer Products Co

Permit Number: 01700003 - 002

|   |  |
|---|--|
| QA Plan Required: If the Permittee has not developed a QA plan, develop and implement a written quality assurance plan for the COMS no later than 30 days after permit issuance. The plan shall be on site and available for inspection. The plan shall contain the written procedures listed in Minn. R. 7017.1210, subp. 1.   | Minn. R. 7017.1210   |
| PERFORMANCE TESTING REQUIREMENTS  | hdr  |
| Initial Performance Test: due before 08/15/2004 to measure SV 020 PM10 emissions from while all four boilers are operating.   | Title I Condition: To avoid violation of PM10 ambient air standard; Minn. R. 7017.2020, subp. 1  |
| CE 003 POLLUTION CONTROL EQUIPMENT REQUIREMENTS   | hdr  |
| The Permittee shall operate and maintain CE 003 at all times that any emission unit controlled by CE 003 is in operation.   | Title I Condition: To avoid violation of PM10 ambient air standard; Minn. R. 7007.0800, subp. 14 |
| The Permittee shall operate and maintain CE 003 in accordance with the Operation and Maintenance (O & M) Plan. The Permittee shall keep copies of the O & M Plan available onsite for use by staff and MPCA staff.  | Minn. R. 7007.0800, subp. 14   |
| Periodic Inspections: At least once per calendar quarter, or more frequently as required by the manufacturing specifications, the Permittee shall inspect CE 003 components. The Permittee shall maintain a written record of these inspections.  | Minn. R. 7007.0800, subp. 4, 5 and 14  |
| <p>Corrective Actions: The Permittee shall take corrective action as soon as possible if any of the following occur:</p> <ul style="list-style-type: none"> <li>- visible emissions above the permitted limit are monitored by the continuous opacity monitor;</li> <li>- the wet cyclonic separator or any of its components are found during any inspection to need repair.</li> </ul> <p>Corrective actions shall include implementation of necessary corrective actions to reduce the opacity to below the permitted limit, or completion of needed repairs identified during any inspection, as applicable. Corrective actions include, but are not limited to, those outlined in the O &amp; M Plan for the wet cyclonic separator. The Permittee shall keep a record of the type and date of any corrective action taken for the wet cyclonic separator.</p> | Minn. R. 7007.0800, subp. 4, 5, and 14   |

**TABLE A: LIMITS AND OTHER REQUIREMENTS**

03/04/04

Facility Name: Alltrista Consumer Products Co

Permit Number: 01700003 - 002

**Subject Item: GP 003 Material Handling Cyclones**

**Associated Items:** EU 001 Stick Polisher Cyclone/SV 001  
 EU 009 Stick Polisher Cyclone/SV 009  
 EU 010 TP Polisher Cyclone/SV 010  
 EU 012 Splint Material Handling Cyclone/SV 012  
 EU 016 ICS Seeder Cyclone/SV 016  
 EU 021 CDS Polisher Cyclone/SV 019  
 EU 026 Round TP Pointing Cyclone/SV 024  
 EU 027 Round TP Pointing Reclaim Cyclone/SV 025  
 EU 028 TP Pointing Cyclone/SV 026  
 EU 029 TP Pointing Cyclone/SV 027  
 EU 035 Splint Transfer Cyclone/SV 033  
 EU 036 Shapes Transfer Cyclone/SV 034  
 EU 037 Large Toothpick Material Handling Cyclone/SV 035

| What to do   |                             | Why to do it  |
|--|-----------------------------|---|
| PM10 Emission Limits:  |                             | Title I Condition: To avoid violation of PM10 ambient air standard                              |
| Emission Unit/Stack Vent   | PM10 Emission Limit (lb/hr) |   |
| EU 001/SV 001  | 0.21                        |   |
| EU 009/SV 009  | 0.26                        |   |
| EU 010/SV 010  | 0.29                        |   |
| EU 012/SV 012  | 0.32                        |   |
| EU 016/SV 016  | 0.21                        |   |
| EU 021/SV 019  | 0.275                       |   |
| EU 026/SV 024  | 0.144                       |   |
| EU 027/SV 025  | 0.0454                      |   |
| EU 028/SV 026  | 0.144                       |   |
| EU 029/SV 027  | 0.144                       |   |
| EU 035/SV 033  | 0.32                        |   |
| EU 036/SV 034  | 0.21                        |   |
| EU 037/SV 035  | 0.21                        |   |
| Total Particulate Matter: less than or equal to 0.30 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. 7011.0710, subp. 1(A) and 7011.0715, subp. 1(A)  |
| Opacity: less than or equal to 20 percent opacity except for one six-minute period per hour of not more than 60 percent opacity for EU 012 and EU 021.   |                             | Minn. R. 7011.0710, subp. 1(B)  |
| Opacity: less than or equal to 20 percent opacity for stack that vents emissions from EU 001, 009, 010, 016, 026, 027, 028, 029, 035, 036, and 037.  |                             | Minn. R. 7011.0715, subp. 1(A)  |
| PERFORMANCE TESTING REQUIREMENTS   |                             | hdr   |
| Initial Performance Test: due before 07/12/2004 to measure PM10 emissions from either EU 036/SV 034 or EU 037/SV 035.  |                             | Title I Condition: To avoid violation of PM10 ambient air standard; Minn. R. 7017.2020, subp. 1 |

**TABLE A: LIMITS AND OTHER REQUIREMENTS**

03/04/04

Facility Name: Alltrista Consumer Products Co

Permit Number: 01700003 - 002

**Subject Item:** GP 004 VOC Usage Sources**Associated Items:** FS 001 Misc. Parts Washing and Solvent Use

SV 017 Print Shop Exhaust

SV 018 Toothpick Color Drying Exhaust

| What to do   | Why to do it   |
|--|--|
| Volatile Organic Compounds: less than or equal to 79 tons/year using 12-month Rolling Sum from all GP 004 VOC emission sources.  | Minn. R. 7007.0800, subp. 2 to avoid major source classification under 40 CFR 70.2 |
| Material Content: VOC content in VOC-containing materials shall be determined by the Material Safety Data Sheet (MSDS) or Environmental Data Sheet (EDS) provided by the supplier for each material used. If a material content range is given on the MSDS or EDS, the highest number in the range shall be used in all compliance calculations. Other alternative methods approved by the MPCA may be used to determine VOC content. The Commissioner reserves the right to require the Permittee to determine the 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 MSDS or EDS.           | Minn. R. 7007.0800, subp. 4 and 5  |
| Daily Recordkeeping: On each day of operation, the Permittee shall calculate, record, and maintain a record of the total quantity of each VOC-containing material used by GP 004.  | Minn. R. 7007.0800, subp. 4 and 5  |
| Monthly Recordkeeping - GP 004 VOC Emissions. By the 15th of the month, the Permittee shall calculate and record the following using the formulas specified in this permit:<br><br>1) The total usage of each VOC-containing materials in the previous calendar month based on daily usage records. This record shall also include the VOC content of each VOC-containing material used in the previous month, as determined by the Material Content requirement of this permit.<br>2) The total VOC emissions for the previous month using the formulas specified in this permit.<br>3) The 12-month rolling sum total VOC emissions for the previous 12-month period by summing the monthly emissions data for the previous 12 months. | Minn. R. 7007.0800, subp. 4 and 5  |
| Monthly Calculation -- GP 004 VOC Emissions: The Permittee shall calculate monthly GP 004 VOC emissions using the following equations:<br><br>GP 004 VOC Emissions (tons/month) = H - W<br><br>where:<br><br>$H = (A1 \times B1) + (A2 \times B2) + (A3 \times B3) + \dots$<br>$W = (C1 \times D1) + (C2 \times D2) + (C3 \times D3) + \dots$  | Minn. R. 7007.0800, subp. 4 and 5  |
| Monthly Calculation -- GP 004 VOC Emissions (continued):<br><br>where:<br><br>H = the amount of VOC used, in tons/month.<br>A# = Amount of each VOC-containing material used in the previous month, in tons/month.<br>B# = weight percent of VOC in A#, as a fraction (e.g., 50% is 0.50).<br>W = the amount of VOC shipped in waste, in tons/month.<br>C# = amount, in tons/month, of each VOC-containing waste material shipped.<br>D# = weight percent of VOC in C#, as a fraction.<br><br>If the Permittee chooses to not take credit for waste shipments, C# is zero and need not be tracked.   | Minn. R. 7007.0800, subp. 4 and 5  |

**TABLE A: LIMITS AND OTHER REQUIREMENTS**

03/04/04

Facility Name: Alltrista Consumer Products Co

Permit Number: 01700003 - 002

**Subject Item:** SV 021 Air-Cure Fabric Filter No. 1 (CE 001) Stack**Associated Items:** EU 005 Dust/Large Particle Cyclone/SV 021

EU 006 Dust/Large Particle (Hog) Cyclone/SV 021

EU 007 Dust/Large Particle (Hammermill/Bark) Cyclone/SV 021

EU 008 Dust/Large Particle Cyclone/SV 021

EU 011 Dust/Large Particle Cyclone/SV 021

| 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 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)  |
| Particulate Matter < 10 micron: less than or equal to 0.0025 grains/dry standard cubic foot but not to exceed 1.873 lb PM10/hr.  | Title I Condition: To avoid violation of PM10 ambient air standard                                    |
| Opacity: less than or equal to 20 percent opacity  | Minn. R. 7011.0715, subp. 1(B)  |
| CE 001 POLLUTION CONTROL EQUIPMENT REQUIREMENTS  | hdr   |
| The Permittee shall operate and maintain CE 001 at all times that any emission unit controlled by CE 001 is in operation.  | Title I Condition: To avoid violation of PM10 ambient air standard; Minn. R. 7007.0800, subp. 14      |
| The Permittee shall operate and maintain CE 001 in accordance with the Operation and Maintenance (O & M) Plan. The Permittee shall keep copies of the O & M Plan available onsite for use by staff and MPCA staff.   | Minn. R. 7007.0800, subp. 14  |
| Visible Emissions: The Permittee shall check SV 021 for any visible emissions once each day of operation during daylight hours. During inclement weather, the Permittee shall read and record the pressure drop across the fabric filter, once each day of operation.  | Title I Condition: To avoid violation of PM10 ambient air standard; Minn. R. 7007.0800, subp. 4 and 5 |
| Pressure Drop: greater than or equal to 1.0 inches of water column and less than or equal to 5.0 inches of water column for CE 001, unless a new range is set pursuant to Minn. R. 7017.2025, subp. 3, based on the values recorded during the most recent MPCA-approved performance test where compliance with the PM10 limit was demonstrated.   | Title I Condition: To avoid violation of PM10 ambient air standard; Minn. R. 7007.0800, subp. 14      |
| Monitoring Equipment: The Permittee shall install and maintain the necessary monitoring equipment for measuring and recording pressure drop as required by this permit. The monitoring equipment must be installed, in use, and properly maintained whenever CE 001 is in operation.   | Minn. R. 7007.0800, subp. 4   |
| Periodic Inspections: At least once per calendar quarter, or more frequently as required by the manufacturing specifications, the Permittee shall inspect CE 001 components. The Permittee shall maintain a written record of these inspections.   | Minn. R. 7007.0800, subp. 4, 5 and 14   |
| Corrective Actions: The Permittee shall take corrective action as soon as possible if any of the following occur:<br>- visible emissions are observed;<br>- the recorded pressure drop is outside the required operating range; or<br>- the fabric filter or any of its components are found during the inspections to need repair.<br>Corrective actions shall return the pressure drop to within the permitted range and/or include completion of necessary repairs identified during the inspection, as applicable. Corrective actions include, but are not limited to, those outlined in the O & M Plan for the fabric filter. The Permittee shall keep a record of the type and date of any corrective action taken for the filter. | Minn. R. 7007.0800, subp. 4, 5, and 14  |

**TABLE A: LIMITS AND OTHER REQUIREMENTS**

03/04/04

Facility Name: Alltrista Consumer Products Co

Permit Number: 01700003 - 002

**Subject Item:** SV 029 Air-Cure Fabric Filter No. 2 (CE 004) Stack**Associated Items:** EU 031 Woodworking Dust/Large Particle Cyclones/SV 029

| What to do   | Why to do it  |
|--|---|
| <b>EMISSION LIMITS</b>   | hdr   |
| Particulate Matter < 10 micron: less than or equal to 0.0025 grains/dry standard cubic foot but not to exceed 0.64 lb PM10/hr.   | Title I Condition: To avoid violation of PM10 ambient air standard                                    |
| Opacity: less than or equal to 20 percent opacity  | Minn. R. 7011.0715, subp. 1(B)  |
| 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)  |
| <b>CE 004 POLLUTION CONTROL EQUIPMENT REQUIREMENTS</b>   | hdr   |
| The Permittee shall operate and maintain CE 004 at all times that any emission unit controlled by CE 004 is in operation.  | Title I Condition: To avoid violation of PM10 ambient air standard; Minn. R. 7007.0800, subp. 14      |
| The Permittee shall operate and maintain CE 004 in accordance with the Operation and Maintenance (O & M) Plan. The Permittee shall keep copies of the O & M Plan available onsite for use by staff and MPCA staff.   | Minn. R. 7007.0800, subp. 14  |
| Visible Emissions: The Permittee shall check SV 029 for any visible emissions once each day of operation during daylight hours. During inclement weather, the Permittee shall read and record the pressure drop across the fabric filter, once each day of operation.  | Title I Condition: To avoid violation of PM10 ambient air standard; Minn. R. 7007.0800, subp. 4 and 5 |
| Pressure Drop: greater than or equal to 1.0 inches of water column and less than or equal to 5.0 inches of water column for CE 004, unless a new range is set pursuant to Minn. R. 7017.2025, subp. 3, based on the values recorded during the most recent MPCA-approved performance test where compliance with the PM10 limit was demonstrated.   | Title I Condition: To avoid violation of PM10 ambient air standard; Minn. R. 7007.0800, subp. 14      |
| Monitoring Equipment: The Permittee shall install and maintain the necessary monitoring equipment for measuring and recording pressure drop as required by this permit. The monitoring equipment must be installed, in use, and properly maintained whenever CE 004 is in operation.   | Minn. R. 7007.0800, subp. 4   |
| Periodic Inspections: At least once per calendar quarter, or more frequently as required by the manufacturing specifications, the Permittee shall inspect CE 004 components. The Permittee shall maintain a written record of these inspections.   | Minn. R. 7007.0800, subp. 4, 5 and 14   |
| Corrective Actions: The Permittee shall take corrective action as soon as possible if any of the following occur:<br>- visible emissions are observed;<br>- the recorded pressure drop is outside the required operating range; or<br>- the fabric filter or any of its components are found during the inspections to need repair.<br>Corrective actions shall return the pressure drop to within the permitted range and/or include completion of necessary repairs identified during the inspection, as applicable. Corrective actions include, but are not limited to, those outlined in the O & M Plan for the fabric filter. The Permittee shall keep a record of the type and date of any corrective action taken for the filter. | Minn. R. 7007.0800, subp. 4, 5, and 14  |
| <b>PERFORMANCE TESTING REQUIREMENTS</b>  | hdr   |
| Performance Test: due before 05/04/2004 to measure PM10 emissions from SV 029 while all woodworking processes that emit to CE 004 are operating.   | Title I Condition: To avoid violation of PM10 ambient air standard; Minn. R. 7017.2020, subp. 1       |

**TABLE A: LIMITS AND OTHER REQUIREMENTS**

03/04/04

Facility Name: Alltrista Consumer Products Co

Permit Number: 01700003 - 002

**Subject Item:** SV 036 Carter Day Fabric Filter (CE 002) Stack**Associated Items:** EU 038 Woodworking Dust/SV 036

| What to do   | Why to do it  |
|--|---|
| EMISSION LIMITS  | hdr   |
| Particulate Matter < 10 micron: less than or equal to 0.01 grains/dry standard cubic foot but not to exceed 0.98 lb PM10/hr.   | Title I Condition: To avoid violation of PM10 ambient air standard                                    |
| Opacity: less than or equal to 20 percent opacity  | Minn. R. 7011.0715, subp. 1(B)  |
| 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)  |
| CE 002 POLLUTION CONTROL EQUIPMENT REQUIREMENTS  | hdr   |
| The Permittee shall operate and maintain CE 002 at all times that any emission unit controlled by CE 002 is in operation.  | Title I Condition: To avoid violation of PM10 ambient air standard; Minn. R. 7007.0800, subp. 14      |
| The Permittee shall operate and maintain CE 002 in accordance with the Operation and Maintenance (O & M) Plan. The Permittee shall keep copies of the O & M Plan available onsite for use by staff and MPCA staff.   | Minn. R. 7007.0800, subp. 14  |
| Visible Emissions: The Permittee shall check SV 036 for any visible emissions once each day of operation during daylight hours, when emissions are vented through SV 036 to the atmosphere. During inclement weather, the Permittee shall read and record the pressure drop across the fabric filter, once each day of operation when emission are vented through SV 036 to the atmosphere.  | Title I Condition: To avoid violation of PM10 ambient air standard; Minn. R. 7007.0800, subp. 4 and 5 |
| Pressure Drop: greater than or equal to 0.5 inches of water column and less than or equal to 3.0 inches of water column for CE 002, unless a new range is set pursuant to Minn. R. 7017.2025, subp. 3, based on the values recorded during the most recent MPCA-approved performance test where compliance with the PM10 limit was demonstrated.   | Title I Condition: To avoid violation of PM10 ambient air standard; Minn. R. 7007.0800, subp. 14      |
| Monitoring Equipment: The Permittee shall install and maintain the necessary monitoring equipment for measuring and recording pressure drop as required by this permit. The monitoring equipment must be installed, in use, and properly maintained whenever CE 002 is in operation.   | Minn. R. 7007.0800, subp. 4   |
| Periodic Inspections: At least once per calendar quarter, or more frequently as required by the manufacturing specifications, the Permittee shall inspect CE 002 components. The Permittee shall maintain a written record of these inspections.   | Minn. R. 7007.0800, subp. 4, 5 and 14   |
| Corrective Actions: The Permittee shall take corrective action as soon as possible if any of the following occur:<br>- visible emissions are observed;<br>- the recorded pressure drop is outside the required operating range; or<br>- the fabric filter or any of its components are found during the inspections to need repair.<br>Corrective actions shall return the pressure drop to within the permitted range and/or include completion of necessary repairs identified during the inspection, as applicable. Corrective actions include, but are not limited to, those outlined in the O & M Plan for the fabric filter. The Permittee shall keep a record of the type and date of any corrective action taken for the filter. | Minn. R. 7007.0800, subp. 4, 5, and 14  |
| PERFORMANCE TESTING  | hdr   |
| Performance Test: due before 05/04/2004 to measure PM10 emissions from SV 036 while all woodworking processes that emit to CE 002 are operating.   | Title I Condition: To avoid violation of PM10 ambient air standard; Minn. R. 7017.2020, subp. 1       |

## TABLE B: SUBMITTALS

03/04/04

Facility Name: Alltrista Consumer Products Co  
Permit Number: 01700003 - 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: ONE TIME SUBMITTALS OR NOTIFICATIONS**

03/04/04

Facility Name: Alltrista Consumer Products Co

Permit Number: 01700003 - 002

| What to send           | When to send   | Portion of Facility Affected |
|------------------------|--|------------------------------|
| Testing Frequency Plan | due 60 days after Initial Performance Test for PM10. The plan shall specify a PM10 testing frequency based on the results of the initial GP 003 PM10 test and MPCA guidance. Future performance tests based on one-year (12-month), 36-month, and 60-month intervals, or as applicable, shall be required upon written approval of the MPCA. Each future test shall be conducted on a cyclone not previously tested. | GP003                        |
| Testing Frequency Plan | due 60 days after Initial Performance Test for SV 020 PM10 emissions. The plan shall specify a testing frequency based on the results of the initial SV 020 PM10 test and MPCA guidance. Future performance tests based on one-year (12-month), 36-month, and 60-month intervals, or as applicable, shall be required upon written approval of the MPCA.   | GP002                        |
| Testing Frequency Plan | due 60 days after Initial Performance Test for SV 029 PM10 emissions. The plan shall specify a testing frequency based on the results of the initial SV 029 PM10 test and MPCA guidance. Future performance tests based on one-year (12-month), 36-month, and 60-month intervals, or as applicable, shall be required upon written approval of the MPCA.   | SV029                        |
| Testing Frequency Plan | due 60 days after Initial Performance Test for SV 036 PM10 emissions. The plan shall specify a testing frequency based on the results of the initial SV 036 PM10 test and MPCA guidance. Future performance tests based on one-year (12-month), 36-month, and 60-month intervals, or as applicable, shall be required upon written approval of the MPCA.   | SV036                        |

**TABLE B: RECURRENT SUBMITTALS**

03/04/04

Facility Name: Alltrista Consumer Products Co

Permit Number: 01700003 - 002

| What to send                              | When to send   | Portion of Facility Affected |
|---|--|------------------------------|
| Excess Emissions/Downtime Reports (EER's) | due 30 days after end of each calendar quarter following Initial Startup of the Monitor (submit Deviations Reporting Form DRF-1 as amended). The EER shall indicate all periods of COMS bypass and all periods of exceedances of the opacity limit including exceedances allowed by an applicable standard, i.e. during startup, shutdown, and malfunctions.   | GP002                        |
| Semiannual Deviations Report              | due 30 days after end of each calendar half-year starting 07/09/2003 . 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. If no deviations have occurred, the Permittee shall submit the report stating no deviations. | Total Facility               |
| Compliance Certification                  | due 30 days after end of each calendar year starting 07/09/2003 (for the previous calendar year). The Certification shall be submitted to the Commissioner on a form approved by the Commissioner. This certification covers all deviations experienced during the calendar year.  | Total Facility               |

# APPENDIX MATERIAL

Facility Name: Alltrista Consumer Products Co

Permit Number: 01700003-002

February 2003 Diamond Brands/Alltrista Consumer Products PM<sub>10</sub> Modeling Protocol

| SV # | Emission Unit Name                | UTM Easting (m) | UTM Northing (m) | Base Elevation (m) | Stack Height (m) | Stack Temp (K) | Exit Velocity (m/s) | Stack Diameter (m) | Emission Rate (g/s) |
|------|-----------------------------------|-----------------|------------------|--------------------|------------------|----------------|---------------------|--------------------|---------------------|
| 001  | Stick Polisher Cyclone            | 542,651.17      | 5,174,252.75     | 364.24             | 14.33            | 291.50         | 0.01                | 0.61               | 0.0265              |
| 002  | ICS Dryer                         | 542,657.14      | 5,174,260.71     | 364.24             | 10.36            | 363.72         | 0.00                | 1.03               | 0.000659            |
| 003  | #1 Splint Dryer                   | 542,650.51      | 5,174,259.05     | 364.24             | 14.94            | 344.28         | 0.01                | 0.46               | 0.000344            |
| 004  | #2 Splint Dryer                   | 542,655.15      | 5,174,255.40     | 364.24             | 14.94            | 347.06         | 0.01                | 0.46               | 0.000344            |
| 009  | Stick Polisher Cyclone            | 542,601.76      | 5,174,211.30     | 364.24             | 15.85            | 291.50         | 0.01                | 0.70               | 0.0328              |
| 010  | Toothpick Polisher Cyclone        | 542,601.76      | 5,174,216.60     | 364.24             | 17.07            | 291.50         | 0.01                | 0.70               | 0.0365              |
| 012  | Splint Material Handling Cyclone  | 542,636.58      | 5,174,255.07     | 364.24             | 16.15            | 291.50         | 0.01                | 0.55               | 0.0403              |
| 013  | Wood Veneer Dryer                 | 542,621.12      | 5,174,272.98     | 364.24             | 13.72            | 355.39         | 0.01                | 0.46               | 0.00165             |
| 014  | Wood Veneer Dryer                 | 542,621.12      | 5,174,281.27     | 364.24             | 13.72            | 369.28         | 0.01                | 0.46               | 0.00165             |
| 015  | Flat Toothpick Dryer              | 542,661.36      | 5,174,258.06     | 364.24             | 7.32             | 347.06         | 0.00                | 0.57               | 0.000396            |
| 016  | ICS Seeder Cyclone                | 542,644.87      | 5,174,262.04     | 364.24             | 15.24            | 291.50         | 0.01                | 0.55               | 0.0265              |
| 019  | CDS Polisher Cyclone              | 542,641.22      | 5,174,253.41     | 364.24             | 14.63            | 291.50         | 0.01                | 0.55               | 0.0346              |
| 020  | Boiler #1, 2, 3, 4 Combined Stack | 542,635.25      | 5,174,229.20     | 364.24             | 19.81            | 394.28         | 23.22               | 0.97               | 1.21                |

| <b>SV #</b> | <b>Emission Unit Name</b>                | <b>UTM Easting (m)</b> | <b>UTM Northing (m)</b> | <b>Base Elevation (m)</b> | <b>Stack Height (m)</b> | <b>Stack Temp (K)</b> | <b>Exit Velocity (m/s)</b> | <b>Stack Diameter (m)</b> | <b>Emission Rate (g/s)</b> |
|-------------|--|------------------------|-------------------------|---------------------------|-------------------------|-----------------------|----------------------------|---------------------------|----------------------------|
| 02<br>1     | #1 Air-Cure Baghouse                     | 542,631.94             | 5,174,255.07            | 364.24                    | 12.19                   | 291.50                | 24.66                      | 1.46                      | 0.236                      |
| 02<br>4     | Round Toothpick Pointing Cyclone         | 542,606.73             | 5,174,211.30            | 364.24                    | 17.07                   | 291.50                | 0.01                       | 0.20                      | 0.0181                     |
| 02<br>5     | Round Toothpick Pointing Reclaim Cyclone | 542,606.73             | 5,174,216.93            | 364.24                    | 16.46                   | 291.50                | 0.01                       | 0.11                      | 0.00572                    |
| 02<br>6     | Toothpick Pointing Cyclone               | 542,601.76             | 5,174,226.88            | 364.24                    | 16.76                   | 291.50                | 24.43                      | 0.20                      | 0.0181                     |
| 02<br>7     | Toothpick Pointing Cyclone               | 542,601.76             | 5,174,221.91            | 364.24                    | 16.76                   | 291.50                | 24.43                      | 0.20                      | 0.0181                     |
| 02<br>9     | #2 Air-Cure Baghouse                     | 542,616.02             | 5,174,215.28            | 364.24                    | 13.72                   | 291.50                | 10.83                      | 1.29                      | 0.0810                     |
| 03<br>0     | Toothpick Dryer                          | 542,638.24             | 5,174,261.71            | 364.24                    | 13.72                   | 308.17                | 10.58                      | 0.56                      | 0.000344                   |
| 03<br>1     | Craft Dryer                              | 542,642.22             | 5,174,258.39            | 364.24                    | 13.72                   | 308.17                | 10.58                      | 0.56                      | 0.000344                   |
| 03<br>2     | Large Toothpick Dryer                    | 542,645.75             | 5,174,254.89            | 364.24                    | 13.72                   | 308.17                | 10.58                      | 0.56                      | 0.000344                   |
| 03<br>3     | Splint Transfer Cyclone                  | 542,635.14             | 5,174,249.04            | 364.24                    | 15.24                   | 291.50                | 8.93                       | 0.51                      | 0.0403                     |
| 03<br>4     | Shapes Transfer Cyclone                  | 542,640.32             | 5,174,247.21            | 364.24                    | 15.24                   | 291.50                | 8.23                       | 0.51                      | 0.0265                     |
| 03<br>5     | Large TP Material Handling Cyclone       | 542,596.74             | 5,174,235.63            | 364.24                    | 15.24                   | 291.50                | 8.93                       | 0.51                      | 0.0265                     |
| 03<br>6     | Carter Day Baghouse                      | 542,616.02             | 5,174,226.88            | 364.24                    | 10.06                   | 291.50                | 0.01                       | 0.69                      | 0.124                      |

**TECHNICAL SUPPORT DOCUMENT**  
**For**  
**AIR EMISSION PERMIT NO. 01700003-002**

This technical support document is intended for all parties interested in the permit and to meet the requirements that have been set forth by the federal regulations and Minn. R. (40 CFR, Section 70.7(a)(5) and Minn. R. 7007.0850, subp.1). The purpose of this document is to provide the legal and factual justification for each applicable requirement or policy decision considered in the determination to issue the permit.

**1. General Information**

**1.1. Applicant and Stationary Source Location:**

| Applicant/Address   | Stationary Source/Address<br>(SIC Code: 2499)           |
|---|---|
| Hearthmark, Inc. dba Alltrista Consumer Products<br>PO Box 2729<br>Muncie, IN 47307   | 1800 Cloquet Ave<br>Cloquet, MN 55720<br>Carlton County |
| Contact: Mr. Tim Boettcher @ source address<br>Environmental, Health and Safety Specialist<br>218-878-2747 218-878-2764 fax |   |

**1.2. Description of the Permit Action**

This permit action will extend testing deadlines in the existing permit as follows:

1. GP002 Boilers: Initial performance test due 3/15/04
  - Wet scrubber will be replaced in July 2004, therefore was may extend the test deadline beyond 120 days to be able to achieve worst-case conditions. Testing deadline will be 8/15/04.
2. GP003 Material Handling Cyclones: Initial Performance test due 3/15/04
  - Testing will be due 120 days later, 7/12/04
3. SV029 Fabric Filter: Performance Test due 180 days after permit issuance (7/9/03 permit issued + 180 days = 1/5/04)
  - Testing will be due 120 days later, 5/4/04
4. SV036 Fabric Filter: Performance Test due 180 days after permit issuance (7/9/03 permit issued + 180 days = 1/5/04)
  - Testing will be due 120 days later, 5/4/04

### **1.3 Description of the Activities Allowed by this Permit Action**

Extension of testing deadlines as described above in accordance with Minn. R. 7007.1400, subp. 1(H)

### **1.4. Facility Emissions:**

This permit action will not change facility emissions.

**Table 1. Facility Classification**

| <b>Classification</b>  | <b>Major/Affected Source</b> | <b>Synthetic Minor</b> | <b>Minor</b> |
|------------------------|------------------------------|------------------------|--------------|
| PSD                    |                              |                        | x            |
| Part 70 Permit Program |                              |                        | x            |

## **2. Regulatory and/or Statutory Basis**

The facility is an existing state source.

**Table 2. Regulatory Overview of Units Affected by the Modification**

| <b>EU, GP, or SV</b> | <b>Applicable Regulations</b>  | <b>Comments:</b>  |
|----------------------|--|---|
| GP002                | Title I Condition: To avoid violation of PM10 ambient air standard; Minn. R. 7017.2020, subp.1 | Change date of performance test from 3/15/04 to 8/15/04, after wet scrubber is replaced.              |
| GP003                | Title I Condition: To avoid violation of PM10 ambient air standard; Minn. R. 7017.2020, subp.1 | Change date of performance test from 3/15/04 to 7/12/04   |
| SV029                | Title I Condition: To avoid violation of PM10 ambient air standard; Minn. R. 7017.2020, subp.1 | Change date of performance test from 180 after permit issuance (7/9/03 + 180 days = 1/5/04) to 5/4/04 |
| SV036                | Title I Condition: To avoid violation of PM10 ambient air standard; Minn. R. 7017.2020, subp.1 | Change date of performance test from 180 after permit issuance (7/9/03 + 180 days = 1/5/04) to 5/4/04 |

### **3. Technical Information**

#### **3.1 Calculations of Potential to Emit**

NA

#### **3.2 Periodic Monitoring**

No changes

#### **3.3 Insignificant Activities**

Insignificant activities have not changed as a result of this permit action.

#### **3.4 Permit Organization**

No changes were made to the permit organization

#### **3.5 Comments Received**

No comments were received from the Permittee. This modification does not require a public notice period.

### **4. Conclusion**

Based on the information provided by Alltrista Consumer Products, the MPCA has reasonable assurance that the proposed operation of the emission facility, as described in the Air Emission Permit No. 01700003-002 and this technical support document, will not cause or contribute to a violation of applicable federal regulations and Minnesota Rules.

Staff Members on Permit Team: Bonnie Nelson (permit writer/engineer)  
Bob Beresford (enforcement)  
Fred Jenness (peer reviewer)

Attachments: 1. CD-01 Forms