

**DRAFT/PROPOSED**

**AIR EMISSION PERMIT NO. 04900040-008**  
**Part 70 Reissuance**

**IS ISSUED TO**

**ESOP - Foldcraft Co**

**FOLDCRAFT CO - KENYON**  
615 Centennial Drive  
Kenyon, Goodhue County, MN 55946

The emission units, control equipment and emission stacks at the stationary source authorized in this permit reissuance are as described in the Permit Applications Table.

This permit reissuance supersedes Air Emission Permit No. 04900040-007 and 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 are as defined in the state air pollution control rules unless the term is explicitly defined in the permit.

Unless otherwise indicated, all the Minnesota rules cited as the origin of the permit terms are incorporated into the SIP under 40 CFR § 52.1220 and as such as are enforceable by U.S. Environmental Protection Agency (EPA) Administrator or citizens under the Clean Air Act.

**Permit Type:** Federal; Pt 70/Limits to Avoid NSR

**Operating Permit Issue Date:** <issue date>

**Expiration Date:** 5-yr expiration – All Title I Conditions do not expire.

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Don Smith, P.E., Manager  
Air Quality Permits Section  
Industrial Division

for John Linc Stine  
Commissioner  
Minnesota Pollution Control Agency

**Permit Applications Table**

<b>Permit Type</b>	<b>Application Date</b>	<b>Permit Action</b>
Total Facility Operating Permit Reissuance	9/12/2011	008
Supplemental Information	02/07/2013	008

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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:**

The facility manufactures restaurant seating and other furniture, including booths, tables, chairs, condiment tables, and trash receptacles. Emission sources include woodworking equipment, coating operations, gluing, lamination, polyurethane fabrication, boilers, ovens, and air makeup units. All spray booths are controlled with panel filters. Woodworking equipment and the primary boiler are controlled by optional baghouses.

The permit is a Part 70 Reissuance. The facility has taken limits to avoid major source classification for New Source Review (40 CFR § 52.21) and for the National Emissions Standards for Hazardous Air Pollutants (NESHAPs, 40 CFR pt. 63). The facility is a major source under the federal operating permits program (40 CFR pt. 70). The permit contains emission, operational, and control requirements that limit the emissions of volatile organic compounds (VOCs), hazardous air pollutants (HAPs), and particulate matter (PM), particulate matter less than 10 microns (PM<sub>10</sub>), and particulate matter less than 2.5 microns (PM<sub>2.5</sub>).

**TABLE A: LIMITS AND OTHER REQUIREMENTS**

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Facility Name: Foldcraft Co - Kenyon

Permit Number: 04900040 - 008

**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>SOURCE-SPECIFIC REQUIREMENTS</b>	hdr
This permit establishes limits on the facility to keep it a minor source under New Source Review. The Permittee cannot make any change at the source that would make the source a major source under New Source Review until a major permit amendment has been issued. This includes changes that might otherwise qualify as insignificant modifications and minor or moderate amendments.	Title I Condition: To avoid classification as a major source and modification under 40 CFR Section 52.21 and Minn. R. 7007.3000
Equipment Inventory: The Permittee shall maintain a written list of all emissions units, stack/vents, and control equipment on site. The Permittee shall update the list to include any replaced, modified, or new equipment prior to making the change.  The list shall correlate the units to the numbers used in this permit (EU, SV, GP, and CE) and shall include the data on Forms GI-04, GI-05A, and GI-05B. The date of construction shall be the date the change was made for replaced, modified, or new equipment.  For spray booths, the record shall include the spray technology and manufacturer specified transfer efficiency and the spray capacity in gallons per hour.	Minn. R. 7007.0800, subp. 2
Permit Appendices: This permit contains appendices as listed in the permit Table of Contents. The Permittee shall comply with all requirements contained in the appendices.	Minn. R. 7007.0800, subp. 2
<b>OPERATIONAL REQUIREMENTS</b>	hdr
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
Air Pollution Control Equipment: Operate all pollution control equipment whenever the corresponding process equipment and emission units are operated, except as noted for SV 008 and EU 045.	Minn. R. 7007.0800, subp. 2; Minn. R. 7007.0800, subp. 16(J)
Operation and Maintenance Plan: Retain at the stationary source an operation and maintenance plan for all air pollution control equipment. At a minimum, the O & M plan shall identify all air pollution control equipment and control practices and shall include a preventative maintenance program for the equipment and practices, a description of (the minimum but not necessarily the only) corrective actions to be taken to restore the equipment and practices 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 practices, and the records kept to demonstrate plan implementation.	Minn. R. 7007.0800, subp. 14 and Minn. R. 7007.0800, subp. 16(J)
Operation Changes: In any shutdown, breakdown, or deviation the Permittee shall immediately take all practical steps to modify operations to reduce the emission of any regulated air pollutant. The Commissioner may require feasible and practical modifications in the operation to reduce emissions of air pollutants. No emissions units that have an unreasonable shutdown or breakdown frequency of process or control equipment shall be permitted to operate.	Minn. R. 7019.1000, subp. 4
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
Noise: The Permittee shall comply with the noise standards set forth in Minn. R. 7030.0010 to 7030.0080 at all times during the operation of any emission units. This is a state only requirement and is not enforceable by the EPA Administrator or citizens under the Clean Air Act.	Minn. R. 7030.0010 - 7030.0080
Inspections: The Permittee shall comply with the inspection procedures and requirements as found in Minn. R. 7007.0800, subp. 9(A).	Minn. R. 7007.0800, subp. 9(A)
The Permittee shall comply with the General Conditions listed in Minn. R. 7007.0800, subp. 16.	Minn. R. 7007.0800, subp. 16

**TABLE A: LIMITS AND OTHER REQUIREMENTS****A-2** 02/19/13

Facility Name: Foldcraft Co - Kenyon

Permit Number: 04900040 - 008

The Permittee shall comply with National Primary and Secondary Ambient Air Quality Standards, 40 CFR pt. 50, and the Minnesota Ambient Air Quality Standards, Minn. R. 7009.0010 to 7009.0080. Compliance shall be demonstrated upon written request by the MPCA.	40 CFR pt. 50; Minn. Stat. Section 116.07, subds. 4a & 9; Minn. R. 7007.0100, subp. 7(A), 7(L), & 7(M); Minn. R. 7007.0800, subps. 1, 2 & 4; Minn.R. 7009.0010-7009.0080
PERFORMANCE TESTING	hdr
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:  Performance Tests are due as outlined in Tables A and B of the permit. See Table B for additional testing requirements.  Performance Test Notification (written): due 30 days before each Performance Test Performance Test Plan: due 30 days before each Performance Test Performance Test Pre-test Meeting: due 7 days before each Performance Test Performance Test Report: due 45 days after each Performance Test Performance Test Report - Microfiche Copy: due 105 days after each Performance Test  The Notification, Test Plan, and Test Report may be submitted in alternative format as allowed by Minn. R. 7017.2018.	Minn. Rs. 7017.2030, subps. 1-4, 7017.2018 and Minn. R. 7017.2035, subps. 1-2
Limits set as a result of a performance test (conducted before or after permit issuance) apply until superseded as stated in the MPCA's Notice of Compliance letter granting preliminary approval. Preliminary approval is based on formal review of a subsequent performance test on the same unit as specified by Minn. R. 7017.2025, subp. 3. The limit is final upon issuance of a permit amendment incorporating the change.	Minn. R. 7017.2025, subp. 3
MONITORING REQUIREMENTS	hdr
Monitoring Equipment Calibration: The Permittee shall calibrate all required monitoring equipment at least once every 12 months (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)
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)
If the Permittee determines that no permit amendment or notification is required prior to making a change, the Permittee must retain records of all calculations required under Minn. R. 7007.1200. For expiring permits, these records shall be kept for a period of five years from the date the change was made or until permit reissuance, whichever is longer. The records shall be kept at the stationary source for the current calendar year of operation and may be kept at the stationary source or office of the stationary source for all other years. The records may be maintained in either electronic or paper format.	Minn. R. 7007.1200, subp. 4
REPORTING/SUBMITTALS	hdr

**TABLE A: LIMITS AND OTHER REQUIREMENTS****A-3**

02/19/13

Facility Name: Foldcraft Co - Kenyon

Permit Number: 04900040 - 008

<p>Shutdown Notifications: Notify the Commissioner at least 24 hours in advance of a planned shutdown of any control equipment or process equipment if the shutdown would cause any increase in the emissions of any regulated air pollutant. If the owner or operator does not have advance knowledge of the shutdown, notification shall be made to the Commissioner as soon as possible after the shutdown. However, notification is not required in the circumstances outlined in Items A, B and C of Minn. R. 7019.1000, subp. 3.</p> <p>At the time of notification, the owner or operator shall inform the Commissioner of the cause of the shutdown and the estimated duration. The owner or operator shall notify the Commissioner when the shutdown is over.</p>	Minn. R. 7019.1000, subp. 3
<p>Breakdown Notifications: Notify the Commissioner within 24 hours of a breakdown of more than one hour duration of any control equipment or process equipment if the breakdown causes any increase in the emissions of any regulated air pollutant. The 24-hour time period starts when the breakdown was discovered or reasonably should have been discovered by the owner or operator. However, notification is not required in the circumstances outlined in Items A, B and C of Minn. R. 7019.1000, subp. 2.</p> <p>At the time of notification or as soon as possible thereafter, the owner or operator shall inform the Commissioner of the cause of the breakdown and the estimated duration. The owner or operator shall notify the Commissioner when the breakdown is over.</p>	Minn. R. 7019.1000, subp. 2
<p>Notification of Deviations Endangering Human Health or the Environment: As soon as possible after discovery, notify the Commissioner or the state duty officer, either orally or by facsimile, of any deviation from permit conditions which could endanger human health or the environment.</p>	Minn. R. 7019.1000, subp. 1
<p>Notification of Deviations Endangering Human Health or the Environment Report: Within 2 working days of discovery, notify the Commissioner in writing of any deviation from permit conditions which could endanger human health or the environment. Include the following information in this written description:</p> <ol style="list-style-type: none"> <li>1. the cause of the deviation;</li> <li>2. the exact dates of the period of the deviation, if the deviation has been corrected;</li> <li>3. whether or not the deviation has been corrected;</li> <li>4. the anticipated time by which the deviation is expected to be corrected, if not yet corrected; and</li> <li>5. steps taken or planned to reduce, eliminate, and prevent reoccurrence of the deviation.</li> </ol>	Minn. R. 7019.1000, subp. 1
<p>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.</p>	Minn. R. 7007.1150 - Minn. R. 7007.1500
<p>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). Performance testing deadlines from the General Provisions of 40 CFR pt. 60 and pt. 63 are examples of deadlines for which the MPCA does not have authority to grant extensions and therefore do not meet the requirements of Minn. R. 7007.1400, subp. 1(H).</p>	Minn. R. 7007.1400, subp. 1(H)
<p>Emission Inventory Report: due on or before April 1 of each calendar year following permit issuance. To be submitted on a form approved by the Commissioner.</p>	Minn. R. 7019.3000 - Minn. R. 7019.3100
<p>Emission Fees: due 60 days after receipt of an MPCA bill.</p>	Minn. R. 7002.0005 - Minn. R. 7002.0095

**TABLE A: LIMITS AND OTHER REQUIREMENTS****A-4**

02/19/13

Facility Name: Foldcraft Co - Kenyon

Permit Number: 04900040 - 008

**Subject Item: GP 001 VOC and HAPs Limits**

**Associated Items:** EU 004 North Plant, Stain/Varnish Spray Booth (T-80382)  
 EU 005 North Plant, Stain/Varnish Spray Booth (T-80382)  
 EU 038 Dura Edge Area DE-1  
 EU 039 Finishing Room, Stain/Varnish Spray Booth (T-80373)  
 EU 040 Finishing Room, Stain/Varnish Spray Booth (T-80377)  
 EU 041 Upholstery Area, Adhesive Spray Booth (T-80376)  
 EU 042 Process Build, Paint Spray Booth (T-80382)  
 EU 050 Contour Seats, Stain/Varnish Spray Booth (T-80310)  
 EU 051 Wood Edge, Stain/Varnish Spray Booth (T-22860)  
 EU 084 Wood Edge, Mold Making (T-80389)  
 EU 085 Wood Edge, Stain/Varnish Spray Booth (T-80390)  
 EU 086 Polycast, Poly Color Spray Booth (T-22509)  
 EU 089 Laminating Lines  
 EU 091 Miscellaneous Clean up  
 EU 092 Miscellaneous Gluing  
 EU 094 Wall Cell  
 EU 096 Solid Wood Tops, Stain/Varnish Spray Booth

What to do	Why to do it
<b>EMISSION AND OPERATIONAL LIMITS</b>	hdr
<p>HAP-Single: less than or equal to 9.0 tons/year using 12-month Rolling Sum of each individual HAP to be calculated by the 15th day of each month for the previous 12 months as described later in this permit. Individual HAP content shall be determined as described in the Material Content requirement of this section.</p> <p>All non-combustion HAP-emitting equipment at the Facility is covered by this limit except for activities listed in Appendix I of this permit.</p>	Title I Condition: To avoid major source classification under 40 CFR Section 63.2
<p>HAPs - Total: less than or equal to 20.0 tons/year using 12-month Rolling Sum to be calculated by the 15th day of each month for the previous 12 months as described later in this permit. Total HAP content shall be determined as described in the Material Content requirement of this section.</p> <p>All non-combustion HAP-emitting equipment at the Facility is covered by this limit except for activities listed in Appendix I of this permit.</p>	Title I Condition: To avoid major source classification under 40 CFR Section 63.2
<p>Volatile Organic Compounds: less than or equal to 235 tons/year using 12-month Rolling Sum to be calculated by the 15th day of each month for the previous 12 months as described later in this permit. VOC content shall be determined as described in the Material Content requirement of this section.</p> <p>All non-combustion VOC-emitting equipment at the Facility is subject to this limit except for activities listed in Appendix I of this permit.</p>	Title I Condition: To avoid classification as major source and modification under 40 CFR Section 52.21 & Minn. R. 7007.3000
<p>VOC and HAP PreCaps: If the Permittee replaces any non-combustion VOC or HAP-emitting equipment, adds new VOC or HAP-emitting equipment, or modifies the existing equipment listed in GP 001, such equipment is subject to the above permit limits as well as all of the requirements of GP 001. Prior to making such a change, the Permittee shall apply for and obtain the appropriate permit amendment, as applicable. For changes described in this item, the Permittee is not required to repeat VOC calculations described in Minn. R. 7007.1200, subp. 2.</p> <p>A permit amendment will still be needed regardless of the emissions increase if the change will be subject to a new applicable requirement or requires revisions to the limits or monitoring and recordkeeping in this permit.</p>	Title I Condition: To avoid classification as major source and modification under 40 CFR Section 52.21 & Minn. R. 7007.3000; To avoid major source classification under 40 CFR Section 63.2
The Permittee shall vent emissions from all spray booths, including existing, modified, or new spray booths, to control equipment meeting the requirements of either GP 002 or GP 005.	Title I Condition: To avoid classification as major source and modification under 40 CFR Section 52.21 & Minn. R. 7007.3000; Minn. R. 7011.0715



**TABLE A: LIMITS AND OTHER REQUIREMENTS****A-5**

02/19/13

Facility Name: Foldcraft Co - Kenyon

Permit Number: 04900040 - 008

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. This limit applies separately to each emission unit listed in GP 001.	Minn. R. 7011.0710, subp. 1(A) OR Minn. R. 7011.0715, subp. 1(A)
Opacity: less than or equal to 20 percent opacity . This limit applies separately to each piece of equipment listed in GP 001 that was not in operation before July 9, 1969.	Minn. R. 7011.0715, subp. 1(B)
Opacity: less than or equal to 20 percent opacity , except for one six-minute period per hour of not more than 60 percent opacity. This limit applies separately to each piece of equipment listed in GP 001 that was in operation before July 9, 1969.	Minn. R. 7011.0710, subp. 1(B)
<b>MONITORING AND RECORDKEEPING REQUIREMENTS</b>	hdr
<p>Material Usage Recordkeeping:</p> <p>For all coating materials and solvents (e.g., clean up materials, thinners, etc.): On each day of operations, the Permittee shall calculate, record, and maintain the total quantity of all VOC and HAP-containing materials used. This shall be based on either written usage logs or meter/gauge readings.</p> <p>Other VOC and HAP-containing materials: The Permittee shall calculate, record, and maintain monthly usage records showing the quantity of each material used. This shall be based on either written usage logs or purchase/delivery records.</p>	Title I Condition: To avoid classification as major source and modification under 40 CFR Section 52.21 & Minn. R. 7007.3000; To avoid major source classification under 40 CFR Section 63.2
<p>Monthly Calculations - HAP and VOC Emissions</p> <p>By the 15th of each month, the Permittee shall calculate and record the following:</p> <p>1) The total usage of VOC and HAP containing materials for the previous calendar month using the material usage records. This record shall also include the VOC, total HAP, each individual HAP, and solids contents of each material as determined by the Material Content requirement of this permit.</p> <p>2) The VOC, total HAP, and each individual HAP emissions for the previous month using the formulas specified in this permit.</p> <p>3) The 12-month rolling sum VOC, total HAP, and each individual HAP emissions for the previous 12 month period by summing the monthly emissions data for the previous 12 months.</p>	Minn. R. 7007.0800. subps. 4 and 5
<p>Monthly Calculation -- HAP Emissions. The Permittee shall calculate each individual HAP and total HAP emissions using the following equation:</p> $\text{HAP Emissions (tons/month)} = (A1 \times B1) + (A2 \times B2) + (A3 \times B3) + \dots$ <p>Where:</p> <p>HAP Emissions = the amount of each pollutant (either total HAP or each individual HAP), used, in tons/month;</p> <p>A# = Amount of each HAP containing material used in the previous month, in tons/month; and</p> <p>B# = weight percent of each individual or total HAP in A#, as a fraction (e.g., 50% is 0.50).</p>	Minn. R. 7007.0800. subps. 4 and 5
<p>Monthly Calculation -- VOC Emissions.</p> <p>The Permittee shall calculate VOC emissions using the following equation:</p> $\text{VOC (tons/month)} = (A1 \times B1) + (A2 \times B2) + (A3 \times B3) + \dots$ <p>Where:</p> <p>VOC = total VOC used in tons/month;</p> <p>A# = amount of each VOC containing material used, in tons/month; and</p> <p>B# = weight percent VOC in A#, as a fraction.</p>	Minn. R. 7007.0800, subps. 4 and 5
<p>Material Content: VOC, HAP, and Solids contents of raw materials shall be determined by the Material Safety Data Sheet (MSDS) provided by the supplier for each material used. The Permittee shall obtain a certification from the supplier as to the accuracy of the MSDS. The Permittee shall maintain an MSDS on-site at all times, for each material used.</p> <p>If the MSDS provides a material content range, the highest number in the range shall be used for all calculations. Other alternative methods approved by the MPCA may be used to determine the VOC, HAP, or Solids content. The MPCA reserves the right to require the Permittee to take samples of VOC containing materials, and to conduct analysis of VOC, HAP, or Solids as per EPA and ASTM reference methods. If the EPA or ASTM reference method is used, it shall supersede the MSDS.</p>	Minn. R. 7007.0800, subp. 4

**TABLE A: LIMITS AND OTHER REQUIREMENTS****A-6**

02/19/13

Facility Name: Foldcraft Co - Kenyon

Permit Number: 04900040 - 008

Maximum Contents of Materials and Spray Booth Operating Parameters: The Permittee assumed certain worst-case contents of materials when determining the annual and short term potential to emit of units in GP 001. These assumptions are listed in Appendix II of this permit. Changing to a material that has a higher content of any of the given pollutants or changing the spray rate or transfer efficiency is considered a change in method of operation that must be evaluated under Minn. R. 7007.1200, subp. 3 to determine if a permit amendment or notification is required under Minn. R. 7007.1150.	Minn. R. 7005.0100, subp. 35a
Recordkeeping of Coating Changes: The Permittee shall keep a log of all coating materials and their VOC, total HAP, each individual HAP, and Solids contents, as determined by the Material Content requirement of this permit.	Minn. R. 7007.0800, subp. 5

**TABLE A: LIMITS AND OTHER REQUIREMENTS****A-7** 02/19/13

Facility Name: Foldcraft Co - Kenyon

Permit Number: 04900040 - 008

**Subject Item: GP 002 Panel Filter Requirements****Associated Items:** CE 002 Mat or Panel Filter

CE 003 Mat or Panel Filter

CE 009 Mat or Panel Filter

CE 010 Mat or Panel Filter

CE 011 Mat or Panel Filter

CE 012 Mat or Panel Filter

CE 016 Mat or Panel Filter

CE 017 Mat or Panel Filter

CE 021 Mat or Panel Filter

CE 023 Mat or Panel Filter

CE 025 Mat or Panel Filter

What to do	Why to do it
The requirements of GP 002 apply separately to each control device in GP 002.	Minn. R. 7007.0800, subp. 2
<b>LIMITS</b>	hdr
The Permittee shall operate and maintain the control equipment such that it achieves an overall control efficiency ( $=80\%$ capture efficiency x removal efficiency of the panel filter), for Total Particulate Matter: greater than or equal to 68 percent control efficiency	Title I Condition: To avoid classification as major source and modification under 40 CFR Section 52.21 & Minn. R. 7007.3000; Minn. R. 7011.0715
The Permittee shall operate and maintain the control equipment such that it achieves an overall control efficiency ( $=80\%$ capture efficiency x removal efficiency of the panel filter), for PM < 10 micron: greater than or equal to 68 percent control efficiency	Title I Condition: To avoid classification as major source and modification under 40 CFR Section 52.21 & Minn. R. 7007.3000; Minn. R. 7011.0715
The Permittee shall operate and maintain the control equipment such that it achieves an overall control efficiency ( $=80\%$ capture efficiency x removal efficiency of the panel filter), for PM < 2.5 micron: greater than or equal to 68 percent control efficiency	Title I Condition: To avoid classification as major source and modification under 40 CFR Section 52.21 & Minn. R. 7007.3000; Minn. R. 7011.0715
If the Permittee replaces any existing panel filter in GP 002, adds new panel filters to a non-CAM spray booth, or modifies the panel filters listed in GP 002, such equipment is subject to all of the requirements of GP 002. Prior to making such a change, the Permittee shall apply for an obtain the appropriate permit amendment, if applicable.	Title I Condition: To avoid classification as major source and modification under 40 CFR Section 52.21 & Minn. R. 7007.3000
The Permittee shall operate and maintain the panel filters any time that any process equipment controlled by the panel filters is(are) in operation. The Permittee shall document periods of non-operation of the control equipment.	Title I Condition: To avoid classification as major source and modification under 40 CFR Section 52.21 & Minn. R. 7007.3000; Minn. R. 7011.0715
Operation and Maintenance of Filters: The Permittee shall operate and maintain each filter 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
<b>MONITORING AND RECORDKEEPING</b>	hdr
Daily Inspections: Once each operating day, the Permittee shall visually inspect the condition of the panel filters, including, but not limited to, alignment, saturation, tears, and holes. The Permittee shall maintain a daily written record of filter inspections.	Title I Condition: To avoid classification as major source and modification under 40 CFR Section 52.21 & Minn. R. 7007.3000
Periodic Inspections: The Permittee shall inspect the control equipment components as required by the manufacturing specifications. The Permittee shall maintain a written record of these inspections.	Minn. R. 7007.0800, subp. 14
Corrective Actions: If the filters or any of their components are found during the inspections to need repair, the Permittee shall take corrective action as soon as possible. Corrective actions shall 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 filter. The Permittee shall keep a record of the type and date of any corrective action taken for each filter.	Minn. R. 7007.0800, subps. 4, 5, and 14
Initial Hood Certification and Evaluation: The control device hood must conform to the requirements listed in Minn. R. 7011.0070, subp. 1, and the Permittee shall certify this as specified in Minn. R. 7011.0070, subp. 3. The Permittee shall maintain a copy of the evaluation and certification on site.	Minn. R. 7007.0800, subps. 4, 5, and 14

**TABLE A: LIMITS AND OTHER REQUIREMENTS**

Facility Name:      Foldcraft Co - Kenyon  
Permit Number:      04900040 - 008

Annual Hood Evaluation: The Permittee shall measure and record at least once every 12 months the fan rotation speed, fan power draw, or face velocity of each hood, or other comparable air flow indication method. The Permittee shall maintain a copy of the annual evaluation on site.	Minn. R. 7007.0800, subps. 4, 5, and 14
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**TABLE A: LIMITS AND OTHER REQUIREMENTS****A-9** 02/19/13

Facility Name: Foldcraft Co - Kenyon

Permit Number: 04900040 - 008

**Subject Item:** GP 003 Gas-Fired Indirect Heating Equipment**Associated Items:** EU 006 Air Make Up Unit AM-1

EU 007 Air Make Up Unit AM-2

EU 046 Secondary Boiler

EU 087 Air Make-up unit

What to do	Why to do it
Total Particulate Matter: less than or equal to 0.6 lbs/million Btu heat input for each of units EU 006, EU 007, and EU 046. Due to equipment design, PTE of each unit is 0.0072 lb/MMBtu.	Minn. R. 7011.0510, subp. 1
Total Particulate Matter: less than or equal to 0.4 lbs/million Btu heat input for EU 087. Due to equipment design, PTE of the unit is 0.0072 lb/MMBtu.	Minn. R. 7011.0515, 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. 7011.0515, subp. 2 & Minn. R. 7011.0510, subp. 2
Fuel Type: natural gas only, by design.	Minn. R. 7005.0100, subp. 35a
The Permittee shall keep records of fuel type and usage on a monthly basis.	Minn. R. 7007.0800, subps. 4 & 5

**TABLE A: LIMITS AND OTHER REQUIREMENTS****A-10**

02/19/13

Facility Name: Foldcraft Co - Kenyon

Permit Number: 04900040 - 008

**Subject Item:** GP 004 Ovens**Associated Items:** EU 037 Bake Oven O-1

EU 047 Burn Off Oven O-2

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. This limit applies individually to each unit listed in GP 004.	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. This limit applies individually to each unit listed in GP 004.	Minn. R. 7011.0610, subp. 1(A)(2)
Fuel Type: natural gas only, by design.	Minn. R. 7005.0100, subp. 35a
The Permittee shall keep records of fuel type and usage on a monthly basis.	Minn. R. 7007.0800, subps. 4 & 5

**TABLE A: LIMITS AND OTHER REQUIREMENTS**

A-11 02/19/13

Facility Name: Foldcraft Co - Kenyon

Permit Number: 04900040 - 008

**Subject Item:** GP 005 CAM Panel Filter Requirements**Associated Items:** CE 019 Mat or Panel Filter

CE 020 Mat or Panel Filter

What to do	Why to do it
The requirements of GP 005 apply separately to each control device in GP 005.	Minn. R. 7007.0800, subp. 2
LIMITS	hdr
The Permittee shall operate and maintain the control equipment such that it achieves an overall control efficiency ( $=80\%$ capture efficiency x removal efficiency of the panel filter), for Total Particulate Matter: greater than or equal to 68 percent control efficiency	Title I Condition: To avoid classification as major source and modification under 40 CFR Section 52.21 & Minn. R. 7007.3000; Minn. R. 7011.0715
The Permittee shall operate and maintain the control equipment such that it achieves an overall control efficiency ( $=80\%$ capture efficiency x removal efficiency of the panel filter), for PM < 10 micron: greater than or equal to 68 percent control efficiency	Title I Condition: To avoid classification as major source and modification under 40 CFR Section 52.21 & Minn. R. 7007.3000; Minn. R. 7011.0715
The Permittee shall operate and maintain the control equipment such that it achieves an overall control efficiency ( $=80\%$ capture efficiency x removal efficiency of the panel filter), for PM < 2.5 micron: greater than or equal to 68 percent control efficiency	Title I Condition: To avoid classification as major source and modification under 40 CFR Section 52.21 & Minn. R. 7007.3000; Minn. R. 7011.0715
If the Permittee replaces any existing panel filter in GP 005, adds new panel filters to a CAM spray booth, or modifies the panel filters listed in GP 005, such equipment is subject to all of the requirements of GP 005. Prior to making such a change, the Permittee shall apply for and obtain the appropriate permit amendment, if applicable.	Title I Condition: To avoid classification as major source and modification under 40 CFR Section 52.21 & Minn. R. 7007.3000
The Permittee shall operate and maintain the panel filters any time that any process equipment controlled by the panel filters is(are) in operation. The Permittee shall document periods of non-operation of the control equipment.	Title I Condition: To avoid classification as major source and modification under 40 CFR Section 52.21 & Minn. R. 7007.3000; Minn. R. 7011.0715
Operation and Maintenance of Filters: The Permittee shall operate and maintain each filter 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
MONITORING AND RECORDKEEPING	hdr
Pressure Drop: greater than or equal to 0.0 inches of water column and less than or equal to 1.0 inches of water column, unless a new range is required to be set pursuant to Minn. R. 7017.0205, subp. 3.	40 CFR Section 64.3; Minn. R. 7017.0200
Pressure Drop Monitoring: Except for, as applicable, monitoring malfunctions, associated repairs, and required quality assurance or control activities, the Permittee shall continuously monitor the pressure drop across each panel filter when the booth controlled by the panel filter is in operation. Monitoring data shall be used in assessing the control device operation as required by 40 CFR Section 64.7(c).	Title I Condition: To avoid classification as major source and modification under 40 CFR Section 52.21 and Minn. R. 7007.3000; 40 CFR Section 64.7(c); Minn. R. 7017.0200
Daily Inspections: At least once per 24-hour period, the Permittee shall visually inspect the condition of each panel filter with respect to alignment, saturation, tears, holes and any other matter that may affect the filter's performance. The Permittee shall record the time and date of each inspection and any actions resulting from the inspection.	Title I Condition: To avoid classification as major source and modification under 40 CFR Section 52.21 and Minn. R. 7007.3000; 40 CFR Section 64.3; Minn. R. 7017.0200
Pressure Drop Recordkeeping. At least once per 24-hour period, the Permittee shall read and record the pressure drop across each panel filter. The Permittee shall record the time and date of each pressure drop reading and whether or not the observed pressure drop was within the range specified in this permit. Recorded values outside the range specified in this permit are considered excursions as defined in 40 CFR Section 64.1.	Title I Condition: To avoid classification as major source and modification under 40 CFR Section 52.21 and Minn. R. 7007.3000; 40 CFR Section 64.3; Minn. R. 7017.0200
Corrective Actions: The Permittee shall take corrective action as soon as possible if any of the following occur: - the recorded pressure drop is outside the required operating range; or - If the filters or any of their components are found during the inspections to need repair. 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 filter. The Permittee shall keep a record of the type and date of any corrective action taken for each filter.	40 CFR Section 64.7(d); Minn. R. 7017.0200

**TABLE A: LIMITS AND OTHER REQUIREMENTS****A-12****02/19/13**

Facility Name: Foldcraft Co - Kenyon

Permit Number: 04900040 - 008

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, including maintaining necessary parts for routine repairs of the monitoring equipment, when the monitored panel filter is in operation.	40 CFR Section 64.7(b); Minn. R. 7017.0200
The Permittee shall calibrate the pressure gauge at least once every 12 months and shall maintain a written record of any action resulting from the calibration.	40 CFR Section 64.3; Minn. R. 7017.0200
Monthly Inspections: At least once per calendar month, the Permittee shall inspect the control equipment components that are subject to wear or plugging, including, but not limited to, bearings, belts, hoses, fans, nozzles, orifices and ducts. The Permittee shall maintain a written record of the inspection and any action resulting from the inspection.	40 CFR Section 64.3; Minn. R. 7017.0200
Quarterly Inspections: At least once per calendar quarter, the Permittee shall inspect all components that are not subject to wear or plugging, including structural components, housing, ducts, and hoods. The Permittee shall maintain a written record of the inspection and any action resulting from the inspection.	40 CFR Section 64.3; Minn. R. 7017.0200
Annual Inspection: At least once per calendar year, the Permittee shall conduct an internal inspection of the control device that includes all operating systems of the control device. The Permittee shall maintain a written record of the inspection and any action resulting from the inspection.	40 CFR Section 64.3; Minn. R. 7017.0200
The Permittee shall calibrate each pressure gauge at least once every 12 months and shall maintain a written record of any action resulting from the calibration.	40 CFR Section 64.3; Minn. R. 7017.0200
Initial Hood Certification and Evaluation: The control device hood must conform to the requirements listed in Minn. R. 7011.0070, subp. 1, and the Permittee shall certify this as specified in Minn. R. 7011.0070, subp. 3. The Permittee shall maintain a copy of the evaluation and certification on site.	Minn. R. 7007.0800, subps. 4, 5, and 14
Annual Hood Evaluation: The Permittee shall measure and record at least once every 12 months the fan rotation speed, fan power draw, or face velocity of each hood, or other comparable air flow indication method. The Permittee shall maintain a copy of the annual evaluation on site.	Minn. R. 7007.0800, subps. 4, 5, and 14
Documentation of Need for Improved Monitoring. If the Permittee fails to achieve compliance with an emission limitation or standard for which the monitoring did not provide an indication of an excursion or exceedance while providing valid data, or the results of compliance or performance testing document a need to modify the existing pressure drop range, the Permittee shall promptly notify the MPCA and, if necessary, submit a permit amendment application to address the necessary monitoring changes.	40 CFR Section 64.7(e); Minn. R. 7017.0200
As required by 40 CFR Section 64.9(a)(2), for the Semi-Annual Deviations Report listed in Table B of this permit and/or the Notification of Deviations Endangering Human Health and the Environment listed earlier in Table A of this permit, as applicable, the Permittee shall include the following related to the monitoring identified as required by 40 CFR pt. 64:  1) Summary information on the number, duration and cause of excursions or exceedances, as applicable, and the corrective actions taken; and 2) Summary information on the number, duration and cause for monitor downtime incidents.	40 CFR Section 64.9(a)(2); Minn. R. 7017.0200
The Permittee shall maintain records of monitoring data, monitor performance data, corrective actions taken, and other supporting information required to be maintained. The Permittee may maintain records on alternative media, such as microfilm, computer files, magnetic tape disks, or microfiche, provided that the use of such alternative media allows for expeditious inspection and review, and does not conflict with other applicable recordkeeping requirements.	40 CFR Section 64.9(b); Minn. R. 7017.0200



**TABLE A: LIMITS AND OTHER REQUIREMENTS****A-13**

02/19/13

Facility Name: Foldcraft Co - Kenyon

Permit Number: 04900040 - 008

**Subject Item: SV 008 Main Baghouse - Woodworking equipment****Associated Items:** EU 009 Oscillating Edge Sander D-1

EU 010 Edge Belt Sander D-1

EU 011 Balloon Sander D-1

EU 012 Ball Sander D-1

EU 013 Stroker Sander D-1

EU 019 Double Sided Tenoner D-1

EU 021 Saddle Seat Machine D-1

EU 022 Lathe D-1

EU 023 Lathe D-1

EU 024 Molder D-1

EU 026 Sander D-1

EU 027 Rip Saw D-1

EU 028 Straight Line Rip Saw D-1

EU 029 Table Saw D-1

EU 030 Swing Saw D-1

EU 031 Table Saw D-1

EU 032 Whirlwind Cut Off Saw D-1

EU 033 CNC Router D-1

EU 034 CNC Router D-1

EU 035 Double Spindle Shaper D-1

EU 036 Shaper D-1

EU 054 Mitre Chop Saw D-1

EU 055 Table Saw D-1

EU 056 Belt Sander D-1

EU 057 Sander D-1

EU 060 Topmaster Machine D-1

EU 061 Panel Saw D-1

EU 062 Overtable Saw D-1

EU 063 Panel Saw D-1

EU 064 Pin Router D-1

EU 065 CNC Router D-1

EU 066 CNC Router D-1

EU 067 Auto Shaper D-1

EU 068 Spindle Shaper D-1

EU 069 Sander D-2

EU 093 Wood storage silos

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. This limit applies separately to each piece of wood working equipment.	Minn. R. 7011.0715, subp. 1(A) OR Minn. R. 7011.0710, subp. 1A
Opacity: less than or equal to 20 percent opacity . This limit applies separately to each piece of wood working equipment that was not in operation prior to July 9, 1969.	Minn. R. 7011.0715, subp. 1(B)

**TABLE A: LIMITS AND OTHER REQUIREMENTS****A-14** 02/19/13

Facility Name: Foldcraft Co - Kenyon

Permit Number: 04900040 - 008

Opacity: less than or equal to 20 percent opacity , except for one six-minute period per hour of not more than 60 percent opacity. This limit applies separately to each piece of wood working equipment that was in operation before July 9, 1969.	Minn. R. 7011.0710, subp. 1(B)
OPERATIONAL LIMITS - CE 004	hdr
The operation of this piece of control equipment is not necessary in order for the process to meet applicable emissions limits. However, the Permittee wishes to take credit for its operation for the purposes of reporting actual emissions for emission inventory. Therefore, in order for the PM, PM10, and PM2.5 to be considered controlled for the purposes of emissions inventory, the fabric filter must comply with the requirements of this permit during the time credit for control is taken. The PM, PM10, and PM2.5 generated during that time shall be considered controlled, and the control efficiency used is the limit given in this table.	Minn. Stat. 116.07, subd. 4a; Equipment used under Minn. R. 7019.3020 (G)
Total Particulate Matter: greater than or equal to 99 percent control efficiency or greater than or equal to 79 percent control efficiency, whichever is applicable based on if the device has a total enclosure or a hood capture system.	Minn. Stat. 116.07, subd. 4a; Equipment used under Minn. R. 7019.3020(G)
PM < 10 micron: greater than or equal to 93 percent control efficiency or greater than or equal to 74 percent control efficiency, whichever is applicable based on if the device has a total enclosure or a hood capture system.	Minn. Stat. 116.07, subd. 4a; Equipment used under Minn. R. 7019.3020(G)
PM < 2.5 micron: greater than or equal to 93 percent control efficiency or greater than or equal to 74 percent control efficiency, whichever is applicable based on if the device has a total enclosure or a hood capture system.	Minn. Stat. 116.07, subd. 4a; Equipment used under Minn. R. 7019.3020(G)
Pressure Drop: greater than or equal to 1 inches of water column and less than or equal to 6 inches of water column , recorded once every 24 hours when in operation.  If the pressure drop is outside the specified pressure drop range, this shall be considered a deviation that must be reported in the Semiannual Deviations Report.	Minn. Stat. 116.07, subd. 4a; Equipment used under Minn. R. 7019.3020 (G)
Maintenance of Control Equipment: The Permittee shall maintain the control equipment as specified in Minn. R. 7011.0075, subp. 2(A)-(G) and maintain records of maintenance activities and corrective actions as specified in Minn. R. 7011.0075, subp. 2(H) and (I).	Minn. Stat. 116.07, subd. 4a; Equipment used under Minn. R. 7019.3020 (G)
Hood Certification and Recordkeeping: If the control device does not collect through a total enclosure as defined in Minn. R. 7011.0060, subp. 5, the Permittee can use the hood control efficiency listed in Minn. R. 7011.0070, subp. 1 (and given above as 74%) if the hood conforms to the rule requirements listed in Minn. R. 7011.0070, subp. 1, and the Permittee certifies this as required in Minn. R. 7011.0070, subp. 3. The Permittee shall maintain a copy of this certification on site.  Hood Evaluation: The Permittee shall measure and record at least once per calendar month the fan rotation speed, fan power draw, or face velocity of each hood, or other comparable air flow indication method. The Permittee shall maintain a copy of the evaluation on site.	Minn. Stat. 116.07, subd. 4a; Equipment used under Minn. R. 7019.3020 (G)

**TABLE A: LIMITS AND OTHER REQUIREMENTS**

A-15 02/19/13

Facility Name: Foldcraft Co - Kenyon

Permit Number: 04900040 - 008

**Subject Item:** EU 045 Primary Boiler**Associated Items:** CE 027 Fabric Filter - High Temperature, i.e., T>250 Degrees F

SV 022 Primary Boiler

What to do	Why to do it
EMISSION LIMITS	hdr
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
OPERATIONAL LIMITS - CE 027	hdr
The operation of this piece of control equipment is not necessary in order for the process to meet applicable emissions limits. However, the Permittee wishes to take credit for its operation for the purposes of reporting actual emissions for emission inventory when burning wood. Therefore, in order for the PM, PM10, and PM2.5 to be considered controlled for the purposes of emissions inventory, the fabric filter must comply with the requirements of this permit during the time credit for control is taken. The PM, PM10, and PM2.5 generated during that time shall be considered controlled, and the control efficiency used is the limit given in this table. The Permittee shall document periods of non-operation of the control equipment.	Minn. Stat. 116.07, subd. 4a; Equipment used under Minn. R. 7019.3020 (G)
Total Particulate Matter: greater than or equal to 99 percent control efficiency or greater than or equal to 79 percent control efficiency, whichever is applicable based on if the device has a total enclosure or a hood capture system.	Minn. Stat. 116.07, subd. 4a; Equipment used under Minn. R. 7019.3020(G)
PM < 10 micron: greater than or equal to 93 percent control efficiency or greater than or equal to 74 percent control efficiency, whichever is applicable based on if the device has a total enclosure or a hood capture system.	Minn. Stat. 116.07, subd. 4a; Equipment used under Minn. R. 7019.3020(G)
PM < 2.5 micron: greater than or equal to 93 percent control efficiency or greater than or equal to 74 percent control efficiency, whichever is applicable based on if the device has a total enclosure or a hood capture system.	Minn. Stat. 116.07, subd. 4a; Equipment used under Minn. R. 7019.3020(G)
Pressure Drop: greater than or equal to 1 inches of water column and less than or equal to 6 inches of water column , recorded once every 24 hours when in operation.  If the pressure drop is outside the specified pressure drop range, this shall be considered a deviation that must be reported in the Semiannual Deviations Report.	Minn. Stat. 116.07, subd. 4a; Equipment used under Minn. R. 7019.3020 (G)
Maintenance of Control Equipment: The Permittee shall maintain the control equipment as specified in Minn. R. 7011.0075, subp. 2(A)-(G) and maintain records of maintenance activities and corrective actions as specified in Minn. R. 7011.0075, subp. 2(H) and (I).	Minn. Stat. 116.07, subd. 4a; Equipment used under Minn. R. 7019.3020 (G)
Fuel type: limited to wood and natural gas	Minn. R. 7007.0800, subp. 2
The Permittee shall keep record of fuel type and usage on a monthly basis.	Minn. R. 7007.0800, supbs. 4 & 5
NESHAP SUBPART JJJJJJ REQUIREMENTS:  Requirements under 40 CFR pt. 63, Subpart JJJJJJ: National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial and Institutional Boilers Area Sources  Enforcement not delegated to MPCA.	hdr
OPERATIONAL REQUIREMENTS	hdr
The Permittee must comply with the requirement to conduct a tune-up according to 40 CFR Section 63.11223(b) no later than March 21, 2012, or a later date as determined by EPA rulemaking to amend Subpart JJJJJJ.	40 CFR Section 63.11196(a)(1)
At all times the Permittee must operate and maintain the affected boiler, including associated air pollution control equipment and monitoring equipment, in a manner consistent with safety and good air pollution control practices for minimizing emissions. Determination of whether such operation and maintenance procedures are being used will be based on information available to the Administrator that may include, but is not limited to, monitoring results, review of operation and maintenance procedures, review of operation and maintenances records, and inspection of the source.	40 CFR Section 63.11205(a)

**TABLE A: LIMITS AND OTHER REQUIREMENTS****A-16**

02/19/13

Facility Name: Foldcraft Co - Kenyon

Permit Number: 04900040 - 008

The Permittee must demonstrate initial compliance with each applicable work practice standard, management practice, or emission reduction measure no later than March 21, 2014 and according to the applicable provisions in 40 CFR Section 63.7(a)(2).	40 CFR Section 63.11210(c)
The Permittee must conduct a tune-up for each boiler biennially and keep records as required in 40 CFR Section 63.11225(c) to demonstrate continuous compliance. Each biennial tune-up must be conducted no more than 25 months after the previous tune-up.	40 CFR Section 63.11201(b); 40 CFR Section 63.11223(a); 40 CFR Section 63, subp. JJJJJJ, Table 2
<p>The Permittee must conduct a tune-up of the boiler biennially to demonstrate continuous compliance as specified in (1) through (7) as follows:</p> <p>(1) As applicable, inspect the burner, and clean or replace any components of the burner as necessary (you may delay the burner inspection until the next scheduled unit shutdown, but you must inspect each burner at least once every 36 months).</p> <p>(2) Inspect the flame pattern, as applicable, and adjust the burner as necessary to optimize the flame pattern. The adjustment should be consistent with the manufacturer's specifications, if available.</p> <p>(3) Inspect the system controlling the air-to-fuel ratio, as applicable, and ensure that it is correctly calibrated and functioning properly.</p> <p>(4) Optimize total emissions of carbon monoxide. This optimization should be consistent with the manufacturer's specifications, if available.</p> <p>(continued below)</p>	40 CFR Section 63.11223(b)
<p>(continued from above)</p> <p>(5) Measure the concentrations in the effluent stream of carbon monoxide in parts per million, by volume, and oxygen in volume percent, before and after the adjustments are made (measurements may be either on a dry or wet basis, as long as it is the same basis before and after the adjustments are made).</p> <p>(6) Maintain onsite and submit, if requested by the Administrator, a biennial report containing the information in (6)(i) through (iii) below:</p> <p>(i) The concentrations of CO in the effluent stream in parts per million, by volume, and oxygen in volume percent, measured before and after the tune-up of the boiler.</p> <p>(ii) A description of any corrective actions taken as a part of the tune-up of the boiler.</p> <p>(iii) The type and amount of fuel used over the 12 months prior to the biennial tune-up of the boiler.</p> <p>(7) If the unit is not operating on the required date for a tune-up, the tune-up must be conducted within one week of startup.</p>	Continued from above
The standards in 40 CFR Section 63.11201 apply at all times.	40 CFR Section 63.11201(d)
The Permittee must comply with the General Provisions as applicable in Table 8 of 40 CFR pt. 63, subp. JJJJJJ.	40 CFR Section 63.11235; 40 CFR pt. 63 subp. JJJJJJ, Table 8
RECORDKEEPING	hdr
<p>The Permittee must maintain the following records:</p> <p>(1) A copy of each notification and report that was submitted to comply with subpart JJJJJJ, including all documentation supporting any Initial Notification or Notification of Compliance Status that was submitted, according to the requirements in 40 CFR Section 63.10(b)(2)(xiv);</p> <p>(2) The Permittee must keep records to document conformance with the work practices, emission reduction measures, and management practices required by 40 CFR Section 63.11214 as specified as follows:</p> <p>(i) Records must identify each boiler, the date of tune-up, the procedures followed for tune-up, and the manufacturer's specifications to which the boiler was tuned.</p>	40 CFR Section 63.11225(c)
<p>(continued from above)</p> <p>(2)(ii) Records documenting the fuel type(s) used monthly by each boiler, including, but not limited to, a description of the fuel, including whether the fuel has received a non-waste determination by the Permittee or EPA, and the total fuel usage amount with units of measure. Records of the occurrence and duration of each malfunction of each boiler or of the associated air pollution control and monitoring equipment.</p> <p>(continued below)</p>	Continued from above

**TABLE A: LIMITS AND OTHER REQUIREMENTS****A-17****02/19/13**

Facility Name: Foldcraft Co - Kenyon

Permit Number: 04900040 - 008

(continued from above)	Continued from above
<p>(4) Records of the occurrence and duration of each malfunction of each boiler or of the associated air pollution control and monitoring equipment.</p> <p>(5) Records of actions taken during periods of malfunction to minimize emissions in accordance with the general duty to minimize emissions in 40 CFR Section 63.11205(a), including corrective actions to restore the malfunctioning boiler, air pollution control, or monitoring equipment to its normal or usual manner of operation.</p> <p>(continued below)</p>	
(continued from above)	Continued from above
<p>(6) Records of all inspection and monitoring data as required by 40 CFR Sections 63.11221 and 63.11222, and the information identified below for each required inspection or monitoring:</p> <p>(i) The date, place, and time of the monitoring event;</p> <p>(ii) Person conducting the monitoring.</p> <p>(iii) Technique or method used;</p> <p>(iv) Operating conditions during the activity;</p> <p>(v) Results, including the date, time, and duration of the period from the time the monitoring indicated a problem to the time that monitoring indicated proper operation;</p> <p>(vi) Maintenance or corrective action taken (if applicable).</p>	
Records must be in a form suitable and readily available for expeditious review, according to 40 CFR Section 63.10(b)(1). The Permittee must keep each record for 5 years following the date of each recorded action. The Permittee must keep each record onsite for at least 2 years after the date of each recorded action according to 40 CFR Section 63.10(b)(1). The Permittee may keep the records off site for the remaining 3 years.	40 CFR Section 63.11225(d)
<b>REPORTING AND NOTIFICATION REQUIREMENTS</b>	hdr
<p>The Permittee must prepare by March 1 every two years, and submit to the Administrator upon request, a biennial compliance certification report. The Permittee must submit the biennial compliance report by March 15 if the Permittee had any instance described by item 3 below. The biennial compliance certification report for the previous calendar year must contain the information the following.</p> <p>(1) Company name and address</p> <p>(2) Statement by a responsible official, with the official's name, title, phone number, e-mail address, and signature, certifying the truth, accuracy, and completeness of the notification and a statement of whether the source has complied with all the relevant standards and other requirements of Subpart JJJJJJ.</p> <p>(3) Include a description of deviations from the applicable requirements during the reporting period, the time periods during which the deviations occurred, and the corrective actions taken.</p>	40 CFR Sections 63.11225(b)
<p>Notification of compliance status: due 120 days after 03/21/2014, in accordance with 40 CFR Section 63.9(h). In addition to the information required in 40 CFR Section 63.9(h)(2), the notification must include the following certifications of compliance, as applicable and signed by a responsible official:</p> <p>(1) "This facility complies with the requirements in 40 CFR Section 63.11214 to conduct an initial tune-up of the boiler."</p>	40 CFR Section 63.11225(a)(4)
The Permittee must conduct a performance tune-up according to 40 CFR pt. 63.11223(b) and submit a signed statement in the Notification of Compliance Status report that indicates that the Permittee conducted a tune-up of the boiler.	40 CFR Section 63.11214(b)
The Permittee must submit all of the notifications in 40 CFR Sections 63.7(b); 63.8(e) and (f); 63.9(b) through (e); and 63.9(g) and (h) that apply by the dates specified in those sections.	40 CFR Section 63.11225(a)(1)

## TABLE B: SUBMITTALS

B-1 02/19/13

Facility Name: Foldcraft Co - Kenyon  
Permit Number: 04900040 - 008

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

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

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

Chief Air Enforcement  
Air and Radiation Branch  
EPA Region V  
77 West Jackson Boulevard  
Chicago, Illinois 60604

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:

Fiscal Services  
Minnesota Pollution Control Agency  
520 Lafayette Road North  
St. Paul, Minnesota 55155-4194

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.

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

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

AQ Compliance Tracking Coordinator  
Industrial Division  
Minnesota Pollution Control Agency  
520 Lafayette Road North  
St. Paul, Minnesota 55155-4194

TABLE B: ONE TIME SUBMITTALS OR NOTIFICATIONS

Facility Name: Foldcraft Co - Kenyon  
Permit Number: 04900040 - 008

What to send	When to send	Portion of Facility Affected
Application for Permit Reissuance	due 180 days before expiration of Existing Permit	Total Facility

**TABLE B: RECURRENT SUBMITTALS****B-3** 02/19/13

Facility Name: Foldcraft Co - Kenyon

Permit Number: 04900040 - 008

What to send	When to send	Portion of Facility Affected
Semiannual Deviations Report	due 30 days after end of each calendar half-year following Permit Issuance. 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
Annual Report	due 30 days after end of each calendar year following Permit Issuance. The Permittee shall submit an annual report by January 30th that describes the changes made at the facility during the previous calendar year using the latest MPCA application forms (GI-04 and GI-05 series). The report shall document any equipment that was modified, installed, or replaced. The report shall be submitted with the annual Compliance Certification listed in Table B. As part of the Annual Report, the Permittee shall verify and certify that the facility has maintained minor source status for New Source Review.	Total Facility
Compliance Certification	due 31 days after end of each calendar year following Permit Issuance (for the previous calendar year). The Permittee shall submit this report on a form approved by the Commissioner, both to the Commissioner and to the US EPA regional office in Chicago. This report covers all deviations experienced during the calendar year.	Total Facility



**APPENDIX I — Insignificant Activities Required to be Listed****Facility Name:** Foldcraft Company**Permit Number:** 04900040-008**Insignificant Activities and Applicable Requirements**

<b>Minn. R. 7007.1300, subpart</b>	<b>Rule Description of the Activity</b>	<b>Applicable Requirement</b>
3(H)(3)	brazing, soldering or welding equipment; <ul style="list-style-type: none"><li>• <b>23 welders</b></li></ul>	Minn. R. 7011.0710/0715
3(H)(7)	cleaning operations: alkaline/phosphate cleaners and associated cleaners and associated burners. <ul style="list-style-type: none"><li>• <b>Phosphatizing wash system</b></li></ul>	Minn. R. 7011.0710/0715
3(K)	Infrequent use of spray paint equipment for routine housekeeping or plant upkeep activities not associated with primary production processes at the stationary source, such as spray painting of buildings, machinery, vehicles, and other supporting equipment. <ul style="list-style-type: none"><li>• <b>Spray paint equipment used for painting the building and/or painting lines designating walkways.</b></li></ul>	Minn. R. 7011.0710/0715

**APPENDIX II — Maximum Contents of Materials and Spray Booth Operating Parameters****Facility Name:** Foldcraft Company**Permit Number:** 04900040-008

All contents are “as applied”.

Emissions Unit	VOC Content (lb/gal)	Solids Content (lb/gal)	Spray Rate (gal/min)	Transfer Efficiency (%)
004	6.59	5.13	0.06	35
005	6.59	5.13	0.06	35
039	6.59	2.88	0.06	35
040	6.59	5.13	0.06	35
041	5.20	1.12	0.25	35
042	4.36	2.30	0.036	35
050	6.59	2.88	0.06	35
051	6.59	2.88	0.12	45
084	6.59	2.88	0.54	70
085	6.59	2.88	0.54	70
086	0.105	1.72	0.54	70
094	6.59	2.88	0.316	70
096	6.59	2.88	0.316	70