

**Draft  
Air Individual Permit  
Part 70 Reissuance  
17100085-103**

**Permittee:** Kingspan Insulation LLC – West  
**Facility name:** Kingspan Insulation LLC – West  
6901 West Rd  
Rockford, MN 55373-5126  
Wright County

**Expiration date:** [TBD – five years from issuance]  
\* All Title I Conditions do not expire

**Part 70 Reissuance:** [TBD]

**Permit characteristics: Federal; Part 70/ Limits to avoid NSR; Limits to avoid NSR**

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

This permit reissuance supersedes Air Emission Permit No. 17100085-102 and authorizes the Permittee to operate the stationary source at the address listed above unless otherwise noted in the permit. 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 are enforceable by U.S. Environmental Protection Agency (EPA) Administrator or citizens under the Clean Air Act.

*Signature:* .....

*This document has been electronically signed.*

*for* Steven S. Pak, P.E., Manager  
Air Quality Permits Section  
Industrial Division

*for the* Minnesota Pollution Control Agency

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Permit issued: [month day, year]  
Permit expires: [month day, year]

1. Permit applications table

Title description	Application receipt date	Action number
Part 70 Reissuance	07/15/2025	17100085-103

Permit issued: [month day, year]  
Permit expires: [month day, year]

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## 2. Where to send submittals

Send submittals that are required to be submitted to the 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 Minn. R. 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 submittals that are required by the Acid Rain Program to:

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

Send any application for a permit or permit amendment to:

Fiscal Services – 6<sup>th</sup> Floor  
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 Document Coordinator notices of:

- a. Accumulated insignificant activities
- b. Installation of control equipment
- c. Replacement of an emissions unit, and
- d. Changes that contravene a permit term

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

**Or**

Email a signed and scanned PDF copy to:  
[submitstacktest.pca@state.mn.us](mailto:submitstacktest.pca@state.mn.us)  
(for submittals related to stack testing)  
[AQRoutineReport.PCA@state.mn.us](mailto:AQRoutineReport.PCA@state.mn.us)  
(for other compliance submittals)  
(See complete email instructions in “Routine Air Report Instructions Letter” at  
<https://www.pca.state.mn.us/sites/default/files/aq-f6-15.pdf>)

### 3. Facility description

The Kingspan Insulation LLC – West (Facility) is located at 6901 West Rd, Rockford, Wright County, Minnesota.

Kingspan Insulation LLC - West is an existing facility that manufactures expanded polystyrene boardstock, primarily used in building materials and insulation. The boardstock is made with expanded polystyrene beads molded into the desired shapes. The first step in the process is the pre-expansion of the beads, which are similar in appearance to white sugar. Steam is mixed with the beads, releasing the blowing agent, pentane, which causes the beads to expand in size. Beads are typically stored in mesh bags for 8 to 48 hours after expansion, allowing time to stabilize. Beads are then transferred to the molding area, where blocks are formed, cured, and then conveyed to hot wire cutters where they are cut to size.

The main pollutant of concern for this facility is pentane, a Volatile Organic Compound (VOC). Additionally, small amounts of free styrene (both a hazardous air pollutant and a VOC) are emitted from the raw beads throughout the process. Combustion products are also emitted from a natural gas fired boiler. The facility has activities that are considered insignificant under Minnesota Rules. A complete list of these insignificant activities is available in Appendix A.

4. Summary of subject items

SI ID: Description	Relationship type	Related SI ID: Description
TFAC 1: Kingspan Insulation LLC - West		
ACTV 3: All IA's		
COMG 2: Total Facility VOC Limit	has members	EQUI 2, EQUI 4, EQUI 6, EQUI 7
EQUI 1: Boiler 1 - Boiler	sends to	STRU 3: Stack/Vent for Boiler EQUI1
EQUI 2: Pre-Expander - Mixing Equipment	sends to	STRU 5: Stack/Vent for Pre-Expander EQUI2
EQUI 4: Molder - Molding Equipment	sends to	STRU 6: Stack/Vent for Molder EQUI4
EQUI 6: Mold Press - Pressing Equipment	sends to	STRU 8: Stack/Vent for Mold Press EQUI6

SI ID: Description	Relationship type	Related SI ID: Description
EQUI 7: Mold Press - Pressing Equipment	sends to	STRU 1: Stack/Vent for Mold Press EQUI7
STRU 1: Stack/Vent for Mold Press EQUI7		
STRU 2: West Plant Production Line		
STRU 3: Stack/Vent for Boiler EQUI1		
STRU 4: Building Ventilation		
STRU 5: Stack/Vent for Pre-Expander EQUI2		
STRU 6: Stack/Vent for Molder EQUI4		
STRU 8: Stack/Vent for Mold Press EQUI6		

5. Limits and other requirements

Requirement number	Requirement and citation
<b>TFAC 1</b>	<b>Kingspan Insulation LLC - West</b>
5.1.1	Permit Appendices: This permit contains appendices as listed in the permit Table of Contents. The Permittee shall comply with all requirements contained in Appendices A and B. [Minn. R. 7007.0800, subp. 2(A) & (B)]
5.1.2	This permit establishes limits on the facility to keep it a minor source under New Source Review and NESHAPs. The Permittee cannot make any change at the source that would make the source a major source under New Source Review and NESHAPs until a permit amendment has been issued. This includes changes that might otherwise qualify as insignificant modifications and minor or moderate amendments. [Title I Condition: Avoid major modification under 40 CFR 52.21(b)(2) and Minn. R. 7007.3000, Title I Condition: Avoid major source under 40 CFR 52.21(b)(1)(i) and Minn. R. 7007.3000]
5.1.3	Equipment Labeling: The Permittee must permanently affix a unique number to each emissions unit for tracking purposes. Each number must correlate the unit to the appropriate Subject Item number used in this permit. The number can be affixed by placard, stencil, or other means. The number must be maintained so that it is readable and visible at all times from a safe distance. If equipment is added, it must be given a new unique number; numbers from replaced or removed equipment must not be reused. [Minn. R. 7007.0800, subp. 2(A)]
5.1.4	Equipment Inventory: The Permittee must maintain a written list of all emissions units and control equipment on site. The Permittee must update the list to include any replaced, modified, or new equipment prior to making the change.  The list must correlate the units to the Subject Item numbers used in this permit and must include the data on GI-04, GI-05B, GI-05C, and GI-05F. The date of construction must be the date the change was made for replaced, modified, or new equipment. [Minn. R. 7007.0800, subp. 2(A)]
5.1.5	The Permittee must comply with Minn. Stat. 116.385. The Permittee may not use trichloroethylene at its permitted facility including in any manufacturing, processing, or cleaning processes, except as described in Minn. Stat. 116.385, subd. 2(b) and 4. This is a state-only requirement and is not enforceable by the U.S. Environmental Protection Agency (EPA) Administrator and citizens under the Clean Air Act. [Minn. R. 7007.0100, subp. 7(X), Minn. Stat. 116.385]
5.1.6	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.  This permit shall not alter or affect the liability of the Permittee for any violation of applicable requirements prior to or at the time of permit issuance. [Minn. R. 7007.1800(A)(2)]
5.1.7	The Permittee must 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 7009.0090. Compliance must be demonstrated upon written request by the MPCA. [Minn. R. 7007.0800, subp. 2(A) & (B), Minn. R. 7009.0020-7009.0090, Minn. Stat. 116.07, subd. 4a(a)]
5.1.8	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]

Requirement number	Requirement and citation
5.1.9	The Permittee must at all times properly operate and maintain the facilities and systems of treatment and control and the appurtenances related to them that are installed or used by the Permittee to achieve compliance with the conditions of the permit. Proper operation and maintenance includes effective performance, adequate funding, adequate operator staffing and training, and adequate laboratory and process controls, including appropriate quality assurance procedures. [Minn. R. 7007.0800, subp. 16(J)]
5.1.10	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, Minn. R. 7007.0800, subp. 16(J)]
5.1.11	Operation Changes: In any shutdown, breakdown, or deviation the Permittee must immediately or as soon as possible considering plant and personnel safety take all practical steps to modify operations to reduce the emission of any regulated air pollutant. No emissions units that have an unreasonable shutdown or breakdown frequency of process or control equipment are permitted to operate. [Minn. R. 7019.1000, subp. 4]
5.1.12	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]
5.1.13	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 U.S. Environmental Protection Agency (EPA) Administrator and citizens under the Clean Air Act. [Minn. R. 7030.0010-7030.0080]
5.1.14	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)]
5.1.15	The Permittee shall comply with the General Conditions listed in Minn. R. 7007.0800, subp. 16. [Minn. R. 7007.0800, subp. 16]
5.1.16	<p>Monitoring Equipment Calibration - The Permittee shall either:</p> <ol style="list-style-type: none"> <li>1. Calibrate or replace required monitoring equipment every 12 months; or</li> <li>2. Calibrate at the frequency stated in the manufacturer's specifications.</li> </ol> <p>For each monitor, the Permittee shall maintain a record of all calibrations, including the date conducted, and any corrective action that resulted. The Permittee shall include the calibration frequencies, procedures, and manufacturer's specifications (if applicable) in the Operations and Maintenance Plan. Any requirements applying to continuous emission monitors are listed separately in this permit. [Minn. R. 7007.0800, subp. 4(D)]</p>
5.1.17	Operation of Monitoring Equipment: Unless noted elsewhere in this permit, 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)]
5.1.18	Recordkeeping: Retain all records at the stationary source, unless otherwise specified within this permit, for 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

Requirement number	Requirement and citation
	permit. Records must conform to the requirements listed in Minn. R. 7007.0800, subp. 5(A). [Minn. R. 7007.0800, subp. 5(C)]
5.1.19	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)]
5.1.20	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]
5.1.21	<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 Permittee does not have advance knowledge of the shutdown, the Permittee must notify 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 must inform the commissioner of the cause of the shutdown and the estimated duration. The owner or operator must notify the commissioner when the shutdown is over. [Minn. R. 7019.1000, subp. 3]</p>
5.1.22	<p>Breakdown Notifications: Notify the commissioner within 24 hours of a breakdown of more than one hour 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 Permittee must inform the commissioner of the cause of the breakdown and the estimated duration. The Permittee must notify the commissioner when the breakdown is over. [Minn. R. 7019.1000, subp. 2]</p>
5.1.23	Notification of Deviations Endangering Human Health or the Environment: Immediately after discovery of the deviation or immediately after when the deviation reasonably should have been discovered, notify the commissioner either orally or by e-mail, or telephone the state duty officer at 800-422-0798 or 651-649-5451, of any deviation from permit conditions that could endanger human health or the environment. [Minn. R. 7019.1000, subp. 1]
5.1.24	<p>Notification of Deviations Endangering Human Health or the Environment Report: Within two working days of discovery, notify the commissioner in writing of any deviation from permit conditions that 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> <p>[Minn. R. 7019.1000, subp. 1]</p>
5.1.25	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.

Requirement number	Requirement and citation
	Upon adoption of a new or amended federal applicable requirement, and if there are three or more years remaining in the permit term, the Permittee shall file an application for an amendment within nine months of promulgation of the applicable requirement, pursuant to Minn. R. 7007.0400, subp. 3. [Minn. R. 7007.0400, subp. 3, Minn. R. 7007.1150 - 7007.1500]
5.1.26	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). [Minn. R. 7007.1400, subp. 1(H)]
5.1.27	Emission Inventory Report: due on or before April 1 of each calendar year following permit issuance. Submit in a format specified by the Commissioner. [Minn. R. 7019.3000-7019.3100]
5.1.28	Emission Fees: due 30 days after receipt of an MPCA bill. [Minn. R. 7002.0005-7002.0085]
<b>COMG 2</b>	<b>Total Facility VOC Limit</b>
5.2.1	<p>The Permittee must limit emissions of Volatile Organic Compounds <math>\leq</math> 37,500 pounds per month 12-month rolling average to be calculated by the 15th day of each month for the previous 12-month period as described later in this permit.</p> <p>All VOC-emitting equipment at the Facility is subject to this limit except for the following: combustion and insignificant activities listed in Appendix A of this permit. If the Permittee replaces any existing VOC-emitting equipment, adds new VOC-emitting equipment, or modifies the existing VOC-emitting equipment, such equipment is subject to this permit limit as well as all of the requirements in COMG 2. Prior to making such a change, the Permittee must apply for and obtain the appropriate permit amendment, as applicable. The Permittee is not required to complete VOC calculations described in Minn. R. 7007.1200, subp. 2. 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> <p>VOC contents for each VOC-containing material must be determined as described under the Material Content requirement in this permit. [Title I Condition: Avoid major modification under 40 CFR 52.21(b)(2) and Minn. R. 7007.3000, Title I Condition: Avoid major source under 40 CFR 52.21(b)(1)(i) and Minn. R. 7007.3000, Title I Condition: Avoid major source under 40 CFR 63.2]</p>
5.2.2	Opacity $\leq$ 20 percent opacity. This applies separately to each subject item in COMG 2. [Minn. R. 7011.0715, subp. 1(B)]
5.2.3	Particulate Matter $\leq$ 0.30 grains per 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 applies separately to each subject item in COMG 2. [Minn. R. 7011.0715, subp. 1(A)]
5.2.4	<p>Daily Recordkeeping.</p> <p>For EPS bead processes: On each day of operation, the Permittee must calculate, record, and maintain the total quantity of each VOC-containing material used at the facility. This must be based on written usage logs and flow meters.</p> <p>For all other VOC-containing materials: The Permittee must calculate, record, and maintain monthly records of the total quantity of each material used. This must be based on written usage logs or purchase/delivery records. [Title I Condition: Avoid major modification under 40 CFR 52.21(b)(2) and Minn. R. 7007.3000, Title I Condition: Avoid major source under 40 CFR 52.21(b)(1)(i) and Minn. R. 7007.3000, Title I Condition: Avoid major source under 40 CFR 63.2]</p>

Requirement number	Requirement and citation
5.2.5	<p>Volatile Organic Compounds: Monthly Recordkeeping -- VOC Emissions.</p> <p>By the 15th of the month, the Permittee must calculate and record the following:</p> <ol style="list-style-type: none"> <li>1) The total usage of each VOC-containing material for the previous calendar month using the daily usage records. This record must also include the VOC and solids contents of each material as determined by the Material Content requirement of this permit;</li> <li>2) The VOC emissions for the previous month using the formulas specified in this permit; and</li> <li>3) The 12-month rolling sum VOC emissions for the previous 12-month period by summing the monthly VOC emissions data for the previous 12 months. [Minn. R. 7007.0800, subps. 4-5]</li> </ol>
5.2.6	<p>Volatile Organic Compounds: Monthly Calculation -- VOC Emissions.</p> <p>The Permittee must calculate VOC emissions using the following equations:</p> $\text{VOC (tons/month)} = V$ $V = (A1 \times B1) + (A2 \times B2) + (A3 \times B3) + \dots$ <p>where:</p> <p>V = total VOC used in tons/month;</p> <p>A# = amount of each VOC-containing material used, in tons/month;</p> <p>B# = weight percent VOC in A#, as a fraction; [Minn. R. 7007.0800, subps. 4-5]</p>
5.2.7	<p>Material Content.</p> <p>For EPS beads, VOC contents must be determined by using the Certificate of Analysis (COA) from the supplier. If a COA is unavailable, the VOC content must be determined by the Safety Data Sheet (SDS) or the Material Safety Data Sheet (MSDS) provided by the supplier for each material used. If a material content range is given on the SDS or the MSDS, the highest number in the range must be used in all compliance calculations. If there is information provided in the Regulatory Section of the SDS, the highest number in the range of that section may be used.</p> <p>For all materials other than EPS beads, VOC contents must be determined by the Safety Data Sheet (SDS) or the Material Safety Data Sheet (MSDS) provided by the supplier for each material. If a material content range is given on the SDS or the MSDS, the highest number in the range must be used in all compliance calculations. If there is information provided in the Regulatory Section of the SDS, the highest number in the range of that section may be used.</p> <p>If a COA, MSDS, or SDS is not available or does not include VOC content from the supplier, the Permittee must assume that the pentane content of that shipment is 7% by weight and the styrene monomer content is 0.1% by weight. However, if in the preceding 12 months, EPS beads with a VOC content greater than 7.1% was used, then the Permittee shall assume that the VOC content of that shipment is equivalent to the highest VOC content used in the preceding 12 months.</p> <p>Other alternative methods approved by the MPCA may be used to determine the VOC, HAPs, and solids contents. The Commissioner reserves the right to require the Permittee to determine the VOC, HAP, and solids contents 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 must supersede the SDS or the MSDS. [Minn. R. 7007.0800, subps. 4-5]</p>
5.2.8	<p>Maximum Contents of Materials and Process Rate: The Permittee assumed certain worst-case contents of materials and process rates when determining the short term potential to emit of units in COMG 2. These assumptions are listed in Appendix B of this permit. Increasing the process rate or changing to a material that has a higher content of any of the given pollutants 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]</p>

Requirement number	Requirement and citation
<b>EQUI 1</b>	<b>Boiler 1 - Boiler</b>
5.3.1	Filterable Particulate Matter <= 0.40 pounds per million Btu heat input. The potential to emit from the unit is 0.0075 lb/MMBtu due to equipment design and allowable fuels. [Minn. R. 7011.0515, subp. 1]
5.3.2	Opacity <= 20 percent opacity except for one six-minute period per hour of not more than 60 percent opacity. [Minn. R. 7011.0515, subp. 2]
5.3.3	Fuel type: Natural gas only. [Minn. R. 7005.0100, subp. 35a]
5.3.4	The Permittee shall keep records of fuel purchases showing fuel types. [Minn. R. 7007.0800, subp. 5]

## 6. Submittal/action requirements

This section lists most of the submittals required by this permit. Please note that some submittal requirements may appear in the Limits and Other Requirements section, or, if applicable, within a Compliance Schedule section.

Requirement number	Requirement and citation
<b>TFAC 1</b>	<b>Kingspan Insulation LLC - West</b>
6.1.1	The Permittee must submit an annual report by the 31st of January. The report must describe the changes made at the Facility during the previous calendar year using the latest MPCA application forms. The report must include information for any new, modified, or replaced Subject Items. The report must document the VOC 12-month rolling sum calculations for the previous calendar year. The report must be submitted with the annual Compliance Certification required by this permit. As part of the Annual Report, the Permittee must verify and certify that the Facility has maintained minor source status for New Source Review. [Minn. R. 7007.0800, subp. 2(A)]
6.1.2	The Permittee must submit a semiannual deviations report: Due semiannually, by the 30th of January and July. The first semiannual report submitted by the Permittee must 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. Submit this on form DRF-2 (Deviation Reporting Form). If no deviations have occurred, submit the signed report certifying that there were no deviations. [Minn. R. 7007.0800, subp. 6(B)(2)]
6.1.3	The Permittee must submit a compliance certification: Due annually, by the 31st of January (for the previous calendar year). Submit this on form CR-04 (Annual Compliance Certification Report). This report covers all deviations experienced during the calendar year. If no deviations have occurred, submit the signed report certifying that there were no deviations. [Minn. R. 7007.0800, subp. 6(D)]
6.1.4	The Permittee shall submit an application for permit reissuance: Due 180 calendar days before Permit Expiration Date. [Minn. R. 7007.0400, subp. 2]

## 7. Appendices

### Appendix A. Insignificant activities and general applicable requirements

The table below lists the insignificant activities that are currently at the Facility and their associated general applicable requirements.

Minn. R.	Rule description of the activity	General applicable requirement
Minn. R. 7007.1300, subp. 3(F)	<p>Individual units with potential emissions less than 2000 lb/year of certain pollutants.</p> <p>Kingspan Insulation has hot wire cutting operations and EPS grinding, milling, and cutting operations that qualify under this subpart.</p> <p>Kingspan Insulation also has 22 space heaters and an air makeup unit that qualify under this subpart.</p>	<p>PM, variable depending on airflow            Opacity &lt;= 20%            (Minn. R. 7011.0715)</p> <p>PM &lt;= 0.4 lb/MMBtu            Opacity &lt;= 20%, with exceptions            (Minn. R. 7011.0515)</p>

**Appendix B. Equipment Capacity and Maximum Contents of Materials**

The maximum capacity of each process unit and the maximum VOC content of the raw materials is documented below.

Emission Unit (EQUI)	Maximum Capacity	Maximum VOC Content*
EQUI 2	5500 lb bead/hour	7.09 wt%
EQUI 4	5500 lb bead/hour	7.09 wt%
EQUI 6	252 lb bead/hour	7.09 wt%
EQUI 7	350 lb bead/hour	7.09 wt%

\*Includes all VOC (pentane, styrene, etc.)