Technical Support Document
For
Draft Air Emission Permit No. 01900022-105

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

1. General information

1.1 Applicant and stationary source location:

Table 1. Applicant and source address

Applicant/Address	**Stationary source/Address** (SIC Code: 2434 - Wood Kitchen Cabinets)
acpi Wood Products LLC 180 Industrial Blvd Waconia, Minnesota 55387-1736	acpi Wood Products LLC 180 Industrial Blvd Waconia, MN 55387-1736
Contact: Kyle Kraft Phone: 952-442-9496	

1.2 Facility description

The applicant, acpi Wood Products LLC, is a manufacturer of finished kitchen cabinets. The Facility operations include assembly and finishing kitchen cabinet pieces purchased from outside sources or manufactured at the site based on customer design specifications. The cabinet pieces manufactured on site are refined from stock lumber by sawing, milling, and sanding to fit in the cabinets being assembled. The cabinet components are then loaded on a conveyer system which carries them through different stages of surface coating operations. The coatings applied are stains, lacquers and sealers. The product is then allowed to fan or oven dry followed by assembly, packaging, storage, and shipping.

The main pollutants emitted by these operations are volatile organic compounds, hazardous air pollutants, and particulate matter from coating as well as particulate matter from the wood working operations. There are also a number of heaters and a boiler that burn natural gas. The paint booths have panel filters and the wood working operations have fabric filters for controlling particulate matter.

1.3 Description of the activities allowed by this permit action

This permit action is permit reopening. This permit action incorporates one notice of compliance for April 16, 2025, PM_{10} performance test pursuant to permit 01900022-104 to revise the pressure drop requirement for an existing fabric filter.

1.4 Facility emissions:

Table 2. Total facility potential to emit summary

	PM (tpy)	**PM_{10}** (tpy)	**$PM_{2.5}$** (tpy)	**SO_2** (tpy)	**NO_x** (tpy)	**CO** (tpy)	**CO_2e** (tpy)	**VOC** (tpy)	**All HAPs** (tpy)
Total Facility Limited Potential Emissions	58.4	58.4	56.2	0.09	15.3	12.8	18,451	465	465
Total Facility Actual Emissions (2025)	3.99	3.99	3.67	0.010	1.60	1.34	*	171	*

* Not reported in MN emission inventory.

Table 3. Facility classification

Classification	**Major**	**Synthetic minor/area**	**Minor/area**
PSD	X		
Part 70 Permit Program	X		
Part 63 NESHAP	X		

1.5 Changes to permit

In addition to the changes discussed in Section 1.3, the following changes are made through this permit action:

- The permit has been updated to reflect current MPCA templates and standard citation formatting, as allowed by Minn. R. 7007.1600, subp. 1(C);
- The construction authorization requirement was updated. The authorized emission units now include EQUI 253 (Band Saw), EQUI 261 (Grinder), EQUI 262 (Grinder), and EQUI 263 (Grinder). All other units have already been constructed. The due date changes from 18 months after the previous permit (no. 01900022-104, issued 9/3/2025) to March 4, 2027, as allowed by Minn. R. 7007.1600, subp. 2(C);
- The citation for the construction authorization requirement was corrected from 40 CFR 52.21(r)(2) to Title I Condition: Avoid major modification under 40 CFR 52.21(b)(2) and Minn. R. 7007.3000, because the project authorized in the previous permit action was to avoid a major modification under PSD, as allowed by Minn. R. 7007.1600, subp. 1(C);
- Added submittal action requirements for air dispersion modeling under TFAC, as allowed by Minn. R. 7007.1600, subp. 2(C). See Section 3.2;
- Pressure drop range for TREA 33 was updated as allowed by Minn. R. 7007.1600, subp. 2(C). See Attachment 1 for the notice of compliance (NOC) letter; and
- Performance test due dates were updated for COMG 3 and COMG 5 based on the most recent notice of compliance, as allowed by Minn. R. 7007.1600, subp. 2(C). See Section 3.3.

2. Regulatory and/or statutory basis

2.1 New source review (NSR)

The facility is an existing major source under New Source Review regulations. No modifications are authorized by this permit.

2.2 Part 70 permit program

The facility is a major source under the Part 70 permit program. This permit action does not change the status of the facility.

2.3 New source performance standards (NSPS)

The Permittee has stated that no New Source Performance Standards apply to the operations at this facility.

2.4 National emission standards for hazardous air pollutants (NESHAP)

The facility is an existing major source of HAPs and is subject to 40 CFR pt. 63, subp. JJ.

2.5 Regulatory overview

Table 4. Regulatory overview of units affected by the modification/permit amendment

Subject item*	Applicable regulations	Rationale
TFAC 1 (acpi Wood Product LLC)	Title V modeling	National Ambient Air Quality Standards (NAAQS)/Minnesota Ambient Air Quality Standards (MAAQS). Remodeling requirements for $PM_{10}/PM_{2.5.}$
COMG 3 (Panel Filter Requirements)	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 V modeling	Prevention of Significant Deterioration (PSD). NAAQS/MAAQS. Performance test due dates were updated for $PM/PM_{10}/PM_{2.5}$ control efficiency with a 2-ply filter.
COMG 5 (Wood Working Equipment)	Title I Condition: Avoid major modification under 40 CFR § 52.21(b)(2) and Minn. R. 7007.3000	PSD. Performance test due dates were updated for $PM/PM_{10}/PM_{2.5}$ emission rate.
TREA 33 (Fabric Filters)	Minn. R. 7011.0070, subp. 1(A), Title I Condition: Avoid major modification	PSD and Standard of Performance for Control Equipment. Pressure drop range was revised per NOC issued on December 2, 2025.

*Location of the requirement in the permit (e.g., EQUI 1, STRU 2, etc.).

3. Technical information

3.1 Notice of compliance

The permittee conducted a performance test on April 16, 2025, for the woodworking fabric filter (COMG 5/TREA 33) for PM_{10}. As a result of the test, pressure drop range was updated under TREA 33, see Attachment 1 to this TSD.

3.2 Ambient air quality analysis

The previous permit (no. 01900022-104) required the Permittee to submit a plan demonstrating compliance with the PM_{10} and $PM_{2.5}$ NAAQS. The Permittee submitted a letter on October 2, 2025, Attachment 3 to this TSD, stating that they will complete ambient air quality dispersion modeling. MPCA response to the proposed plan, Attachment 3, was sent on May 26, 2026. This permit action added a modeling protocol and results submission requirement under TFAC.

3.3 Performance testing history

Table 5 shows the performance tests conducted since the last permit issued in September 2024.

Table 5. Performance Tests history

Test date	Pollutant	Limit	Tested result	% of emission limit	compliance
4/16/2025	**COMG 5 (Wood Working Equipment) : TREA 33/STRU 2**				
	PM_{10}	0.0055 gr/dscf	0.0009 gr/dscf	16.4%	Compliant
3/24-25/2026	**COMG 5 (Wood Working Equipment) : TREA 32/STRU 1**				
	PM	0.0055 gr/dscf	0.0003 gr/dscf	5.45%	Compliant
	PM_{10}	0.0055 gr/dscf	0.0003 gr/dscf	5.45%	Compliant
	$PM_{2.5}$	0.0055 gr/dscf	0.0003 gr/dscf	5.45%	Compliant
	COMG 5 (Wood Working Equipment) : TREA 43/STRU 73				
	PM	0.0055 gr/dscf	0.0004 gr/dscf	7.27%	Compliant
	PM_{10}	0.0055 gr/dscf	0.0004 gr/dscf	7.27%	Compliant
	$PM_{2.5}$	0.0055 gr/dscf	0.0004 gr/dscf	7.27%	Compliant
4/9/2026	**COMG 3 (Panel filter Requirement) :EQUI 96**				
	PM	98.0 % control efficiency	98.92%	--	Compliant
	PM_{10}	98.0 % control efficiency	98.92%	--	Compliant
	$PM_{2.5}$	98.0 % control efficiency	99.49%	--	Compliant

COMG 5 (Wood Working Equipment) and TREA 33

Although the test for TREA 33/STRU 2 was completed on April 16, 2025. The test due date has not been updated to reflect the most recent performance test because the Permittee missed the original test due date of April 24, 2024, and conducted the test a year later. Thus, the test due date for TREA 33/STRU 2 remains as April 24, 2029.

COMG 5 (Wood Working Equipment) and TREA 43

The Permittee conducted the test on March 24-25, 2026, for TREA 43/STRU 73 to measure the PM, PM_{10}, and $PM_{2.5}$ emissions. The previous permit required testing 180 days after the initial startup of the emission units in COMG 5 (Wood Working equipment). The test was completed before the initial startup of a Band Saw (EQUI 253) and a Grinder (EQUI 263). The Permittee stated that EQUIs 253 and 263, which would vent emissions to TREA 43, are not yet constructed as of July 2026, nor have they started up.

This permit action adds two performance test scenarios under COMG 5. One is an initial performance test due 180 calendar days after the startup date of EQUI 253 and EQUI 263 to measure PM, PM_{10}, and $PM_{2.5}$ emissions from TREA 43/STRU 73. Another is a recurring performance test due March 25, 2031, to test PM, PM_{10}, and $PM_{2.5}$ emissions from TREA 43/STRU 73. Having two scenarios avoids waiting for the uninstalled emission units to start up and also avoids missing the initial performance test after they start up.

These two performance test scenarios can be adjusted in a future permit action. The authorization to construct and operate uninstalled emission units (EQUIs 253 and 263) will expire on March 4, 2027. Thus, after the authorization to construct expires, the test requirement after the initial startup can be removed or will no longer apply. When these units operate and demonstrate compliance through testing, the recurring performance test due dates should be adjusted accordingly.

EQUI 204 and EQUI 205 (flatline 1 and 2)
The initial performance test for EQUI 204 and EQUI 205 remains as is in the permit. The Permittee and MPCA enforcement are aware of the missed performance test. The correction for this issue is out of scope for what can be revised in a permit reopening and will be addressed in a future permit action; thus, the test requirement remains in the permit.

3.4 Monitoring

In accordance with the Clean Air Act, it is the responsibility of the owner or operator of a facility to have sufficient knowledge of the facility to certify that the facility is in compliance with all applicable requirements.

In evaluating the monitoring included in the permit, the MPCA considered the following:

- The likelihood of the facility violating the applicable requirements.
- Whether add-on controls are necessary to meet the emission limits.
- The variability of emissions over time.
- The type of monitoring, process, maintenance, or control equipment data already available for the emission unit.
- The technical and economic feasibility of possible periodic monitoring methods.
- The kind of monitoring found on similar units elsewhere.

The table below summarizes the monitoring requirements associated with this amendment.

Table 6. Monitoring

Subject item*	Requirement (rule basis)	What is the monitoring	Why is this monitoring adequate?
TREA 33 (fabric filters)	Pressure Drop ≥ 0.55 and ≤ 6.22 in. Wat. [Limits to avoid NSR major modification]	Daily and periodic inspections, daily pressure drop readings and visible emissions check, operation and maintenance, corrective actions, and recordkeeping.	Monitoring required by the Minnesota Performance Standard for Control Equipment and the approved CAM plan provides a reasonable assurance for both the Control Equipment Rule limits and the site-specific limits for $PM_{2.5}$. Approved Replicable Methodology (ARM) or protocol for re-setting the Pressure Drop limit: Per MPCA guidance, when the initial control equipment parameter is known or can reasonably be determined upfront AND where the permit includes periodic testing which will re-set the parameter, the permit should contain the limit as well as an ARM or protocol for revising the limit through testing. In this instance, as long as the Permittee is implementing the ARM as required by the permit, the permit does not need to be reopened to revise the control equipment parameter limit. The establishment or revision of the ARM requires a major amendment process under Minn. R. 7007.1500, likely triggering one or all of: subp. 1(A) (revision to monitoring), 1(B) (case-by-base limit), and 1(C) (used for assuring compliance with a limit taken to avoid an applicable requirement).

*Location of the requirement in the permit (e.g., EQUI 1, STRU 2, etc.).

3.5 Insignificant activities

acpi Wood Products LLC has several operations which are classified as insignificant activities under the MPCA's permitting rules. These are listed in Appendix A to the permit. There are no insignificant activities associated with this permit action.

3.6 Permit organization and standard language

This permit meets the MPCA Tempo Guidance for ordering and grouping of requirements as well as the use of permit appendices.

When amending or reissuing an air permit, MPCA staff evaluate standard permit language in the permit. If the standard language has been changed in the Tempo database since the last permit was issued, staff need to decide how to proceed for each revised condition. See Table 7 below for documentation on the standard language evaluation and updates.

Table 7. Profile update

Where in the permit	Profile	Summary of standard language changes	Updated in permit?	If yes, how
TFAC 1	General total facility	Word change	Yes	Profile was reloaded; requirements revised as needed.
TREA 32, 33, and 43 (Fabric filter)	Fabric filter	Word change	Yes	Profile was reloaded; requirements revised as needed.
COMG 5, EQUIs 204, and 205	Initial performance test	Word change	Yes	Profile was reloaded; requirement revised as needed.

3.7 Comments received

This section will be completed after the referenced review periods.

Public Notice Period: [start date] – [end date]
EPA Review Period: [start date] – [end date]

4. Permit fee assessment

There are no additional points as required by Minn. R. 7002.0019 for this permit action.

5. Conclusion

Based on the information provided by acpi Wood Products LLC the MPCA has reasonable assurance that the proposed operation of the emission facility, as described in the Air Emission Permit No. 01900022-105 and this TSD, will not cause or contribute to a violation of applicable federal regulations and Minnesota Rules.

Staff members on permit team: Megumi Muramoto-Mathieu (permit engineer)
Jeff Hedman (peer reviewer)
Joe Handtmann (data coordinator)
Patrick Hecht (Enforcement)
Rebecca Settle (Compliance)
Beckie Olson (permit writing assistant)
Laurie O'Brien (administrative support)

Tempo Activities: Permit Reopening (IND20250001)

Attachments:
1. Notice of Compliance
2. Subject item inventory and requirements report
3. Proposal to demonstrate compliance with NAAQS for PM_{10} and $PM_{2.5}$

TSD Attachment 1: Notice of Compliance Letter

MINNESOTA POLLUTION CONTROL AGENCY

520 Lafayette Road North | St. Paul, Minnesota 55155-4194 | 651-296-6300

800-657-3864 | Use your preferred relay service | info.pca@state.mn.us | Equal Opportunity Employer

December 2, 2025

Kyle Kraft, EHS Supervisor
acpi Wood Products LLC
180 Industrial Blvd
Waconia, MN 55387-1736

RE: Notice of Compliance for the April 16, 2025, PM < 10 micron Performance Test of the Wood Working Equipment (Pneumafil Baghouse - TREA 33) Pursuant to Air Emission Permit Number 01900022-104

Dear Kyle Kraft:

The Minnesota Pollution Control Agency (MPCA) performance test staff reviewed the final test report for the performance test conducted at acpi Wood Products LLC located in Waconia, Minnesota. The test report was submitted October 15, 2025.

Summary of performance test results

Emission unit tested	Limitation basis Pollutant and emission limit	Test result	Compliance status
Pneumafil Baghouse (TREA 33)	PM < 10 micron (PM_{10}): ≤ 0.0055 grains per dry standard cubic foot (gr/dscf). This limit applies separately to each wood working unit at the Facility and to all wood working as a group. [Title I Condition: Avoid major modification under 40 CFR 52.21(b)(2) and Minn. R. 7007.3000]	PM_{10}: 0.0009 gr/dscf	Compliant

The test was conducted while producing cabinets at a rate of 48.5 cabinets per hour and with the baghouse operating at a differential pressure of 5.65 inches of water column. These parameters are within the ranges defined in the approved test plan.

In addition, please be advised of the following:

1. The following operating limit applies pursuant to Minn. R. 7017.2025, subp. 3. This limit supersedes any previous operating limit in the permit and does not serve to relax any other limit or requirement. This letter grants preliminary instruction to operate at the new rate. The limit is final upon issuance of a permit amendment incorporating the change.

Emission unit	Operating limit and averaging method
TREA 33	Pressure Drop: ≥ 0.55 and ≤ 6.22 inches of water column.

The Regulated Party may not operate an emission unit at a less stringent rate than that listed in the table above unless it conducts a performance test at an alternate rate, MPCA performance test staff determines compliance at that rate for the emission unit, and a Notice of Compliance with approval to operate at the new rate is received.

Ongoing compliance with the operating limit will be determined using the same data acquisition and reduction as was used during the performance test. If an operating limit is exceeded, it must be reported in accordance with the deviation reporting requirements of Minn. R. 7007.0800, subp. 6(A).

2. The Emission Inventory rule, Minn. R. 7019.3000 to 7019.3100, requires the calculation of emissions based on an established hierarchy. In the absence of Continuous Emission Monitor data meeting the requirements of Minn. R. 7019.3040, a performance test must be used. When a performance test for particulate matter, carbon monoxide, nitrogen oxides, sulfur oxides, volatile organic compounds or lead is conducted and meets the requirements of Minn. R. 7017.2001 to 7017.2060, the results must be used to calculate emissions, unless specified otherwise by Minn. R. 7019.3000 to 7019.3100. It is the Regulated Party's responsibility to ensure the results of performance tests are accounted for in their annual emission inventory submittal. Note that the final decision to approve the emission factor for any given inventory year will be made by the MPCA Emission Inventory Coordinator.

If you have questions or comments regarding the content of this letter, please contact me at 651-757-2716.

Sincerely,

Marc Severin

This document has been electronically signed.
Marc Severin
Environmental Specialist
Industrial Division

MAS:rc

cc: Ross Provow, MPCA
Activity ID REP20250003 @ 432

Attachment 2 – Subject item inventory and facility requirements

SI List

AI ID (Name): 432 (acpi Wood Products LLC)
Activity: IND20250001

SI Category	SI Type	Subject Item ID	Delta Designation	Description	
Activity	Insignificant Air Emissions Activity	ACTV 3	Null	All IA's	
Agency Interest	Conventional Site	AISI 432	Null	Null	
Component Group	Air Component Group	COMG 1	GP001	NESHAP Sources	
		COMG 2	GP002	VOC and Coating Limits	
		COMG 3	GP003	Panel Filter Requirements	
		COMG 4	GP004	Indirect Heating Equipment	
		COMG 5	GP005	Wood Working Equipment	
		COMG 8	GP008	Flatline VOC & Coating Limits	
Equipment	Boiler	EQUI 207	Null	Boiler	
	Cutting Equipment	EQUI 29	EU025	Shaper	
		EQUI 43	EU052	Dovetail Machine	
		EQUI 61	EU077	CNC Machine	
		EQUI 63	EU079	Boring Machine	
		EQUI 72	EU088	Shaper	
		EQUI 73	EU089	Boring Machine	
		EQUI 80	EU096	Shaper	
		EQUI 149	EU170	Boring Machine	
		EQUI 150	EU171	3 Hinge Machines	
		EQUI 152	EU173	Boring Machine	
		EQUI 169	EU190	Notcher Machine	
		EQUI 170	EU191	Notcher Machine	
		EQUI 229	Null	Notcher	
		EQUI 230	Null	Shaper	
		EQUI 231	Null	Hinge Machine	
		EQUI 232	Null	Hinge Machine	
		EQUI 240	Null	Hinge Machine	
		EQUI 241	Null	CNC Machine	
		EQUI 242	Null	Boring Machine	
		EQUI 249	Null	Shaper	
		EQUI 256	Null	Shaper	
		EQUI 259	Null	Edge Bander	
		EQUI 260	Null	Drimat	
	Data Acquisition System	EQUI 7	DA001	Pressure Drop Recorder	
	Drilling Equipment	EQUI 34	EU036	Boring Machine	
		EQUI 35	EU037	Drill	
		EQUI 48	EU064	Boring Machine	
		EQUI 55	EU071	Drill	
		EQUI 223	Null	Boring Machine	
		EQUI 255	Null	Boring Machine	
	Glazing Equipment	EQUI 93	EU109	Spray Booth Glaze 2	
	Grinder	EQUI 261	Null	Grinder	
		EQUI 262	Null	Grinder	
		EQUI 263	Null	Grinder	
	Milling Equipment	EQUI 237	Null	Router Table	
	Other Combustion	EQUI 23	EU015	Air Make Up 40K (Any other process units)	
		EQUI 24	EU016	Air Make Up Unit 50K SW	
		EQUI 25	EU017	Air Make Up Unit 50K W	
		EQUI 26	EU018	Air Make Up Unit 50K N	
		EQUI 27	EU019	Air Make Up Unit 50K SE	
		EQUI 182	EU199	Air Make Up Unit	
		EQUI 206	Null	Air Makeup Unit	
	Other Emission Unit	EQUI 159	EU180	Houncher	
		EQUI 244	Null	Brush/Cleaner	
		EQUI 245	Null	Brush/Cleaner	
	Parametric Monitor	EQUI 10	MR001	Pressure Drop	
		EQUI 11	MR002	Pressure Drop	
	Sanding Equipment	EQUI 201	EU051	3 Wide Belt Sanders	
		EQUI 208	Null	Flatline Sander 1	
		EQUI 209	Null	Flatline Sander 2	
		EQUI 234	Null	Bump Sander	
		EQUI 236	Null	Sander	
		EQUI 239	Null	Panel Sander	
		EQUI 246	Null	Roba Tech	
		EQUI 247	Null	Brush Sander	
		EQUI 248	Null	Brush Sander	
	Sawing Equipment	EQUI 32	EU029	Table Saw	
		EQUI 36	EU038	Table Saw	
		EQUI 37	EU039	Table Saw	
		EQUI 47	EU063	Table Saw	
		EQUI 50	EU066	Chop Saw	
		EQUI 56	EU072	Chop Saw	
		EQUI 62	EU078	Miter Saw	
		EQUI 65	EU081	Band Saw	

SI List

AI ID (Name): 432 (acpi Wood Products LLC)
Activity: IND20250001

SI Category	SI Type	Subject Item ID	Delta Designation	Description	
Equipment	Sawing Equipment	EQUI 68	EU084	Table Saw	
		EQUI 75	EU091	Table Saw	
		EQUI 76	EU092	Panel Saw	
		EQUI 78	EU094	Table Saw	
		EQUI 79	EU095	Panel Saw	
		EQUI 82	EU098	Edge Bander	
		EQUI 142	EU163	Table Saw	
		EQUI 143	EU164	Table Saw	
		EQUI 146	EU167	Table Saw	
		EQUI 157	EU178	Table Saw	
		EQUI 161	EU182	Table Saw	
		EQUI 162	EU183	Table Saw	
		EQUI 165	EU186	Double Miter Saw Notcher	
		EQUI 179	EU196	Vertical Panel Saw	
		EQUI 224	Null	Table Saw	
		EQUI 225	Null	Table Saw	
		EQUI 226	Null	Table Saw	
		EQUI 227	Null	Table Saw	
		EQUI 228	Null	Table Saw	
		EQUI 233	Null	S90 Chow Saw	
		EQUI 235	Null	Panel Saw	
		EQUI 238	Null	Vertical Panel Saw	
		EQUI 243	Null	Miter Saw	
		EQUI 250	Null	Miter Saw	
		EQUI 251	Null	Miter Saw	
		EQUI 252	Null	Miter Saw	
		EQUI 253	Null	Band Saw	
		EQUI 254	Null	Table Saw	
		EQUI 257	Null	Miter Saw	
		EQUI 258	Null	Panel Saw	
	Spray Booth/Coating Line	EQUI 84	EU100	Spray Booth Stain 1	
		EQUI 86	EU102	Spray Booth Seal 1	
		EQUI 88	EU104	Spray Booth Topcoat 1	
		EQUI 90	EU106	Spray Booth Stain 2	
		EQUI 92	EU108	Spray Booth Seal 2	
		EQUI 94	EU110	Spray Booth Topcoat 2	
		EQUI 96	EU112	Spray Booth Stain 3	
		EQUI 98	EU114	Spray Booth Seal 3	
		EQUI 99	EU115	Spray Booth Glaze 3	
		EQUI 100	EU116	Spray Booth Topcoat 3	
		EQUI 204	Null	Flatline 1	
		EQUI 205	Null	Flatline 2	
Structure	Building	STRU 72	Null	Facility Building	
	Stack/Vent	STRU 1	SV018	Carter Day Baghouse	
		STRU 2	SV019	Pneumafil Baghouse	
		STRU 23	SV050	Spray Booth Stain 1	
		STRU 24	SV051	Spray Booth Stain 1	
		STRU 25	SV052	Spray Booth Seal 1	
		STRU 26	SV053	Spray Booth Seal 1	
		STRU 27	SV054	Spray Booth Topcoat 1	
		STRU 28	SV055	Spray Booth Topcoat 1	
		STRU 29	SV056	Spray Booth Stain 2	
		STRU 30	SV057	Spray Booth Stain 2	
		STRU 31	SV058	Spray Booth Seal 2	
		STRU 32	SV059	Spray Booth Seal 2	
		STRU 33	SV060	Spray Booth Glaze 2	
		STRU 34	SV061	Spray Booth Topcoat 2	
		STRU 35	SV062	Spray Booth Topcoat 2	
		STRU 36	SV063	Spray Booth Stain 3	
		STRU 37	SV064	Spray Booth Seal 3	
		STRU 38	SV065	Spray Booth Glaze 3	
		STRU 39	SV066	Spray Booth Topcoat 3	
		STRU 69	SV069	Flatline 1	
		STRU 70	SV070	Flatline 2	
		STRU 71	SV071	Hot Water Boiler	
		STRU 73	Null	Pneumafil Baghouse No. 2	
Total Facility	Air Quality Total Facility	TFAC 1	01900022	acpi Wood Products LLC	
Treatment	018-Fabric Filter - Low Temp, T<180 Degrees F	TREA 32	CE012	Fabric Filter - Low Temperature, i.e., T<180 Degrees F	
		TREA 33	CE013	Fabric Filter - Low Temperature, i.e., T<180 Degrees F	
		TREA 43	Null	Fabric Filter	
	058-Mat or Panel Filter	TREA 2	CE020	Mat or Panel Filter	
		TREA 4	CE022	Mat or Panel Filter	
		TREA 6	CE024	Mat or Panel Filter	

SI List

AI ID (Name): 432 (acpi Wood Products LLC)
Activity: IND20250001

SI Category	SI Type	Subject Item ID	Delta Designation	Description	
Treatment	058-Mat or Panel Filter	TREA 8	CE026	Mat or Panel Filter	
		TREA 10	CE028	Mat or Panel Filter	
		TREA 11	CE029	Mat or Panel Filter	
		TREA 12	CE030	Mat or Panel Filter	
		TREA 14	CE032	Mat or Panel Filter	
		TREA 16	CE034	Mat or Panel Filter	
		TREA 17	CE035	Mat or Panel Filter	
		TREA 18	CE036	Mat or Panel Filter	
		TREA 41	CE041	Panel Filter	
		TREA 42	CE042	Panel Filter	

Insignificant Activities

AI ID (Name): 432 (acpi Wood Products LLC)
Activity: IND20250001

SI Category	SI Type	Status Description	Sub Attribute Description	
Activity	Insignificant Air Emissions Activity	Active / Existing	Minn. R. 7007.1300, subp. 3(B)(2)	
			Minn. R. 7007.1300, subp. 3(F)	

Emission Units 1

AI ID (Name): 432 (acpi Wood Products LLC)
Activity: IND20250001

SI Type	Subject Item ID	Delta Designation	Description	Manufacturer	Model	Max Design Capacity	Max Design Capacity Units	Material	Firing Method	Subject to CSAPR?	Electric Generating Capacity (MW)	Construction Start Date	Operation Start Date	Modification Date	
Boiler	EQUI 207	Null	Boiler	Burnem	mpc6	0.99	million British thermal units/hours	Heat	Not coal burning	N	Null	10/1/2016	11/1/2016	Null	
Other Combustion	EQUI 23	EU015	Air Make Up 40K (Any other process units)	Industrial Air	various	4.4	million British thermal units/hours	Heat	Not coal burning	Null	Null	12/1/1984	12/1/1984	Null	
	EQUI 24	EU016	Air Make Up Unit 50K SW	Titan Air	TA-227-NG-HRD	5.5	million British thermal units/hours	Heat	Not coal burning	Null	Null	5/26/1998	5/26/1998	Null	
	EQUI 25	EU017	Air Make Up Unit 50K W	Titan Air	TA-227-NG-HRD	5.5	million British thermal units/hours	Heat	Not coal burning	Null	Null	5/26/1998	5/26/1998	Null	
	EQUI 26	EU018	Air Make Up Unit 50K N	Titan Air	TA-227-NG-HRD	5.5	million British thermal units/hours	Heat	Not coal burning	Null	Null	5/26/1998	5/26/1998	Null	
	EQUI 27	EU019	Air Make Up Unit 50K SE	Titan Air	TA-227-NG-HRD	5.5	million British thermal units/hours	Heat	Not coal burning	Null	Null	5/26/1998	5/26/1998	Null	
	EQUI 182	EU199	Air Make Up Unit	Titan Air	NA	4.5	million British thermal units/hours	Heat	Not coal burning	Null	Null	4/1/2012	4/1/2012	Null	
	EQUI 206	Null	Air Makeup Unit	RAM	RAM-30	3.7	million British thermal units/hours	Heat	Not coal burning	Null	Null	10/1/2016	11/1/2016	Null	

Emission Units 3

AI ID (Name): 432 (acpi Wood Products LLC)
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SI Type	Subject Item ID	Delta Designation	Description	Manufacturer	Model	Max Design Capacity	Max Design Capacity Units	Material	Construction Start Date	Operation Start Date	Modification Date	
Cutting Equipment	EQUI 29	EU025	Shaper	Powermatic	72A	1,178	standard cubic feet/minutes	Airflow	12/1/1984	12/1/1984	Null	
	EQUI 43	EU052	Dovetail Machine	Dodds	SE25	395	standard cubic feet/minutes	Airflow	12/1/1992	12/1/1992	Null	
	EQUI 61	EU077	CNC Machine	Weeke	BP85	2,360	standard cubic feet/minutes	Airflow	4/1/2004	4/1/2004	Null	
	EQUI 63	EU079	Boring Machine	J&P	PH4R	1,669	standard cubic feet/minutes	Airflow	4/1/2004	4/1/2004	Null	
	EQUI 72	EU088	Shaper	Powermatic	27	393	standard cubic feet/minutes	Airflow	7/15/2004	7/15/2004	Null	
	EQUI 73	EU089	Boring Machine	CTD	N80X	393	standard cubic feet/minutes	Airflow	7/15/2004	7/15/2004	Null	
	EQUI 80	EU096	Shaper	SCMI	T110N	1,006	standard cubic feet/minutes	Airflow	7/15/2004	7/15/2004	Null	
	EQUI 149	EU170	Boring Machine	Castle	TSM-35	393	cubic feet/minutes	Airflow	6/13/2009	6/13/2009	Null	
	EQUI 150	EU171	3 Hinge Machines	J&P Machines	DH1	393	cubic feet/minutes	Airflow	6/13/2009	6/13/2009	Null	
	EQUI 152	EU173	Boring Machine	Castle	TSM-35	393	cubic feet/minutes	Airflow	6/13/2009	6/13/2009	Null	
	EQUI 169	EU190	Notcher Machine	CTD	N80X	884	cubic feet/minutes	Airflow	4/1/2011	4/1/2011	Null	
	EQUI 170	EU191	Notcher Machine	CTD	N80X	884	cubic feet/minutes	Airflow	4/1/2011	4/1/2011	Null	
	EQUI 229	Null	Notcher	CTD	N80X	785	standard cubic feet/minutes	Airflow	7/15/2004	7/15/2004	Null	
	EQUI 230	Null	Shaper	Casadei	F215-C	1,227	standard cubic feet/minutes	Airflow	7/15/2004	7/15/2004	Null	
	EQUI 231	Null	Hinge Machine	J&P Machines	DH1	393	cubic feet/minutes	Airflow	6/13/2009	6/13/2009	Null	
	EQUI 232	Null	Hinge Machine	J&P Machines	DH1	393	cubic feet/minutes	Airflow	6/13/2009	6/13/2009	Null	
	EQUI 240	Null	Hinge Machine	J & P Machines	DH-1N	393	cubic feet/minutes	Airflow	11/10/2021	11/10/2021	Null	
	EQUI 241	Null	CNC Machine	Homag	PTP55	2,454	cubic feet/minutes	Airflow	3/1/2024	3/1/2024	Null	
	EQUI 242	Null	Boring Machine	Castle	NA	393	cubic feet/minutes	Airflow	4/1/2020	4/1/2020	Null	
	EQUI 249	Null	Shaper	SCMI	T110N	614	cubic feet/minutes	Airflow	8/1/2024	8/1/2024	Null	
	EQUI 256	Null	Shaper	Powermatic	#27-Shaper	393	cubic feet/minutes	Airflow	12/10/2025	2/6/2026	Null	

Emission Units 3

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SI Type	Subject Item ID	Delta Designation	Description	Manufacturer	Model	Max Design Capacity	Max Design Capacity Units	Material	Construction Start Date	Operation Start Date	Modification Date	
Cutting Equipment	EQUI 259	Null	Edge Bander	Biesse	Steam A 6.0	854	cubic feet/minutes	Airflow	12/10/2025	2/6/2026	Null	
	EQUI 260	Null	Drimat	Flowmac	N/A	12,265	cubic feet/minutes	Airflow	12/10/2025	2/6/2026	Null	
Drilling Equipment	EQUI 34	EU036	Boring Machine	Castle	TS-21	393	standard cubic feet/minutes	Airflow	12/1/1984	12/1/1984	Null	
	EQUI 35	EU037	Drill	Gannomat	ProLine 50	393	standard cubic feet/minutes	Airflow	12/1/1984	12/1/1984	Null	
	EQUI 48	EU064	Boring Machine	Castle	TSM-21	393	standard cubic feet/minutes	Airflow	3/1/2002	7/1/2002	Null	
	EQUI 55	EU071	Drill	Gannonmat	Model 500	614	standard cubic feet/minutes	Airflow	4/1/2004	4/1/2004	Null	
	EQUI 223	Null	Boring Machine	Castle	TS-21	393	standard cubic feet/minutes	Airflow	12/1/1984	12/1/1984	Null	
	EQUI 255	Null	Boring Machine	Castle	N/A	393	cubic feet/minutes	Airflow	12/10/2025	2/6/2026	Null	
Glazing Equipment	EQUI 93	EU109	Spray Booth Glaze 2	JBI	15380	2.41	gallons/hours	Paint	6/1/2000	6/1/2000	Null	
Grinder	EQUI 261	Null	Grinder	Styles	N/A	3,533	cubic feet/minutes	Airflow	TBD	TBD	Null	
	EQUI 262	Null	Grinder	Styles	N/A	3,533	cubic feet/minutes	Airflow	TBD	TBD	Null	
	EQUI 263	Null	Grinder	Styles	N/A	1,571	cubic feet/minutes	Airflow	TBD	TBD	Null	
Milling Equipment	EQUI 237	Null	Router Table	Bosch	1617	393	cubic feet/minutes	Airflow	8/6/2020	8/6/2020	Null	
Other Emission Unit	EQUI 159	EU180	Houncher	Pillar	PM-015	393	cubic feet/minutes	Airflow	4/1/2011	4/1/2011	Null	
	EQUI 244	Null	Brush/Cleaner	Superfici	NA	2,970	cubic feet/minutes	Airflow	10/1/2016	10/1/2016	Null	
	EQUI 245	Null	Brush/Cleaner	Superfici	NA	2,970	cubic feet/minutes	Airflow	10/1/2016	10/1/2016	Null	
Sanding Equipment	EQUI 201	EU051	3 Wide Belt Sanders	Timesaver	252-30RP	4,123	cubic meters/ minutes	Airflow	12/1/1992	12/1/1992	Null	
	EQUI 208	Null	Flatline Sander 1	DMC	SY TC 1350	5,301	standard cubic feet/minutes	Airflow	10/1/2016	11/1/2016	Null	
	EQUI 209	Null	Flatline Sander 2	DMC	SY TC 1350	5,301	standard cubic feet/minutes	Airflow	10/1/2016	11/1/2016	Null	
	EQUI 234	Null	Bump Sander	Kundig	Uniq-S	884	cubic feet/minutes	Airflow	4/1/2023	4/1/2023	Null	
	EQUI 236	Null	Sander	Biesse	Opera 5	2,577	cubic feet/minutes	Airflow	1/1/2024	1/1/2024	Null	

Emission Units 3

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SI Type	Subject Item ID	Delta Designation	Description	Manufacturer	Model	Max Design Capacity	Max Design Capacity Units	Material	Construction Start Date	Operation Start Date	Modification Date	
Sanding Equipment	EQUI 239	Null	Panel Sander	Kunding	Brilliant-1	3,019	cubic feet/minutes	Airflow	4/1/2023	4/1/2023	Null	
	EQUI 246	Null	Roba Tech	MB Maschinenbau	Roba Tech 1300/2	3,608	cubic feet/minutes	Airflow	1/1/2020	1/1/2020	Null	
	EQUI 247	Null	Brush Sander	Slipcon	Perfection	3,142	cubic feet/minutes	Airflow	7/1/2024	7/1/2024	Null	
	EQUI 248	Null	Brush Sander	Slipcon	Perfection	3,749	cubic feet/minutes	Airflow	7/1/2024	7/1/2024	Null	
Sawing Equipment	EQUI 32	EU029	Table Saw	Powermatic	66	393	standard cubic feet/minutes	Airflow	12/1/1984	12/1/1984	Null	
	EQUI 36	EU038	Table Saw	Powermatic	66	393	standard cubic feet/minutes	Airflow	12/1/1992	12/1/1992	Null	
	EQUI 37	EU039	Table Saw	Powermatic	72A	393	standard cubic feet/minutes	Airflow	12/1/1992	12/1/1992	Null	
	EQUI 47	EU063	Table Saw	Powermatic	66	393	standard cubic feet/minutes	Airflow	3/1/2002	7/1/2002	Null	
	EQUI 50	EU066	Chop Saw	Pistorious	18UC-H	393	standard cubic feet/minutes	Airflow	3/1/2002	7/1/2002	Null	
	EQUI 56	EU072	Chop Saw	Pistorius	18UC-H	785	standard cubic feet/minutes	Airflow	4/1/2004	4/1/2004	Null	
	EQUI 62	EU078	Miter Saw	Bosch	CM10GD	393	standard cubic feet/minutes	Airflow	4/1/2004	4/1/2004	Null	
	EQUI 65	EU081	Band Saw	American Woodworking	Serial 3	393	standard cubic feet/minutes	Airflow	12/1/1984	12/1/1984	Null	
	EQUI 68	EU084	Table Saw	Powermatic	66	785	standard cubic feet/minutes	Airflow	7/1/2006	7/1/2006	Null	
	EQUI 75	EU091	Table Saw	Powermatic	66	393	standard cubic feet/minutes	Airflow	12/1/1984	12/1/1984	Null	
	EQUI 76	EU092	Panel Saw	Holzma	HPL22/38/16	3,019	standard cubic feet/minutes	Airflow	7/15/2004	7/15/2004	Null	
	EQUI 78	EU094	Table Saw	Powermatic	72A	393	standard cubic feet/minutes	Airflow	7/15/2004	7/15/2004	Null	
	EQUI 79	EU095	Panel Saw	Striebig	AV4164	785	standard cubic feet/minutes	Airflow	7/15/2004	7/15/2004	Null	
	EQUI 82	EU098	Edge Bander	Homag	Optimat	1,571	standard cubic feet/minutes	Airflow	7/15/2004	7/15/2004	Null	
	EQUI 142	EU163	Table Saw	Saw Stop	IC553480	393	cubic feet/minutes	Airflow	6/13/2009	6/13/2009	Null	
	EQUI 143	EU164	Table Saw	Saw Stop	IC553480	393	cubic feet/minutes	Airflow	6/13/2009	6/13/2009	Null	
	EQUI 146	EU167	Table Saw	Saw Stop	IC553480	395	cubic feet/minutes	Airflow	6/13/2009	6/13/2009	Null	

Emission Units 3

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SI Type	Subject Item ID	Delta Designation	Description	Manufacturer	Model	Max Design Capacity	Max Design Capacity Units	Material	Construction Start Date	Operation Start Date	Modification Date	
Sawing Equipment	EQUI 157	EU178	Table Saw	Powermatic	66	393	cubic feet/minutes	Airflow	4/1/2011	4/1/2011	Null	
	EQUI 161	EU182	Table Saw	Powermatic	66	785	cubic feet/minutes	Airflow	4/1/2011	4/1/2011	Null	
	EQUI 162	EU183	Table Saw	Weeke	BHP 200	4,712	cubic feet/minutes	Airflow	4/1/2011	4/1/2011	Null	
	EQUI 165	EU186	Double Miter Saw Notcher	CTD	N80	393	cubic feet/minutes	Airflow	4/1/2011	4/1/2011	Null	
	EQUI 179	EU196	Vertical Panel Saw	Safety Speed Cut	7400	55	cubic feet/minutes	Airflow	4/1/2011	4/1/2011	Null	
	EQUI 224	Null	Table Saw	Powermatic	66	393	standard cubic feet/minutes	Airflow	12/1/1992	12/1/1992	Null	
	EQUI 225	Null	Table Saw	Powermatic	66	393	standard cubic feet/minutes	Airflow	12/1/1992	12/1/1992	Null	
	EQUI 226	Null	Table Saw	Powermatic	74A	393	standard cubic feet/minutes	Airflow	12/1/1992	12/1/1992	Null	
	EQUI 227	Null	Table Saw	Powermatic	66	393	standard cubic feet/minutes	Airflow	1/1/2002	1/1/2002	Null	
	EQUI 228	Null	Table Saw	Sawstop	IC553480	221	standard cubic feet/minutes	Airflow	1/1/2002	1/1/2002	Null	
	EQUI 233	Null	S90 Chow Saw	Weining	Opticut90	614	cubic feet/minutes	Airflow	9/1/2019	9/1/2019	Null	
	EQUI 235	Null	Panel Saw	Schelling	FH6-430	2,577	cubic feet/minutes	Airflow	11/1/2023	11/1/2023	Null	
	EQUI 238	Null	Vertical Panel Saw	Safety Speed	7400	98	cubic feet/minutes	Airflow	4/16/2020	4/16/2020	Null	
	EQUI 243	Null	Miter Saw	Dewalt	DWS713	393	cubic feet/minutes	Airflow	7/1/2024	7/1/2024	Null	
	EQUI 250	Null	Miter Saw	Dewalt	DWS779	393	cubic feet/minutes	Airflow	12/10/2025	2/6/2026	Null	
	EQUI 251	Null	Miter Saw	Dewalt	DW716	393	cubic feet/minutes	Airflow	12/10/2025	2/6/2026	Null	
	EQUI 252	Null	Miter Saw	Dewalt	DW718	393	cubic feet/minutes	Airflow	12/10/2025	2/6/2026	Null	
	EQUI 253	Null	Band Saw	Jet	JWBS-18QT	393	cubic feet/minutes	Airflow	TBD	TBD	Null	
	EQUI 254	Null	Table Saw	Sawstop	IC553489	393	cubic feet/minutes	Airflow	12/31/2025	2/23/2026	Null	
	EQUI 257	Null	Miter Saw	Bosch	GCM12SD	393	cubic feet/minutes	Airflow	12/10/2025	2/6/2026	Null	
	EQUI 258	Null	Panel Saw	Homag	Sawteq B-500	4,808	cubic feet/minutes	Airflow	12/10/2025	2/6/2026	Null	

Emission Units 3

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SI Type	Subject Item ID	Delta Designation	Description	Manufacturer	Model	Max Design Capacity	Max Design Capacity Units	Material	Construction Start Date	Operation Start Date	Modification Date	
Spray Booth/ Coating Line	EQUI 84	EU100	Spray Booth Stain 1	JBI	15380	20.79	gallons/hours	Paint	5/26/1998	8/11/1998	Null	
	EQUI 86	EU102	Spray Booth Seal 1	JBI	15380	11.73	gallons/hours	Paint	5/26/1998	8/11/1998	Null	
	EQUI 88	EU104	Spray Booth Topcoat 1	JBI	15380	10.31	gallons/hours	Paint	5/26/1998	8/11/1998	Null	
	EQUI 90	EU106	Spray Booth Stain 2	JBI	15380	20.79	gallons/hours	Paint	5/26/1998	8/11/1998	Null	
	EQUI 92	EU108	Spray Booth Seal 2	JBI	15380	11.73	gallons/hours	Paint	5/26/1998	8/11/1998	Null	
	EQUI 94	EU110	Spray Booth Topcoat 2	JBI	15380	10.31	gallons/hours	Paint	5/26/1998	8/11/1998	Null	
	EQUI 96	EU112	Spray Booth Stain 3	JBI	Conv	20.79	gallons/hours	Paint	5/26/1998	8/11/1998	Null	
	EQUI 98	EU114	Spray Booth Seal 3	JBI	15380	11.73	gallons/hours	Paint	5/26/1998	8/11/1998	Null	
	EQUI 99	EU115	Spray Booth Glaze 3	BINKS	SSA530	2.41	gallons/hours	Paint	9/1/2001	9/1/2001	Null	
	EQUI 100	EU116	Spray Booth Topcoat 3	JBI	15380	10.31	gallons/hours	Paint	5/26/1998	8/11/1998	Null	
	EQUI 204	Null	Flatline 1	Superfici	Magnum 3.3.1	63.44	gallons/hours	Paint	10/1/2016	11/1/2016	Null	
	EQUI 205	Null	Flatline 2	Superfici	Magnum 3.3.1	63.44	gallons/hours	Paint	10/1/2016	11/1/2016	Null	

Component Groups

AI ID (Name): 432 (acpi Wood Products LLC)
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Subject Item ID	Delta Designation	Description	Group Member ID	
COMG 1	GP001	NESHAP Sources	EQUI 84	
			EQUI 86	
			EQUI 88	
			EQUI 90	
			EQUI 92	
			EQUI 93	
			EQUI 94	
			EQUI 96	
			EQUI 98	
			EQUI 99	
			EQUI 100	
			EQUI 204	
			EQUI 205	
COMG 2	GP002	VOC and Coating Limits	EQUI 84	
			EQUI 86	
			EQUI 88	
			EQUI 90	
			EQUI 92	
			EQUI 93	
			EQUI 94	
			EQUI 96	
			EQUI 98	
			EQUI 99	
			EQUI 100	
COMG 3	GP003	Panel Filter Requirements	TREA 2	
			TREA 4	
			TREA 6	
			TREA 8	
			TREA 10	
			TREA 11	
			TREA 12	
			TREA 14	
			TREA 16	
			TREA 17	
			TREA 18	
COMG 4	GP004	Indirect Heating Equipment	EQUI 23	
			EQUI 24	
			EQUI 25	
			EQUI 26	

Component Groups

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Subject Item ID	Delta Designation	Description	Group Member ID	
COMG 4	GP004	Indirect Heating Equipment	EQUI 27	
			EQUI 182	
			EQUI 206	
			EQUI 207	
COMG 5	GP005	Wood Working Equipment	EQUI 29	
			EQUI 32	
			EQUI 34	
			EQUI 35	
			EQUI 36	
			EQUI 37	
			EQUI 43	
			EQUI 47	
			EQUI 48	
			EQUI 50	
			EQUI 55	
			EQUI 56	
			EQUI 61	
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			EQUI 78	
			EQUI 79	
			EQUI 80	
			EQUI 82	
			EQUI 142	
			EQUI 143	
			EQUI 146	
			EQUI 149	
			EQUI 150	
			EQUI 152	
			EQUI 157	
			EQUI 159	
			EQUI 161	
			EQUI 162	

Component Groups

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Subject Item ID	Delta Designation	Description	Group Member ID	
COMG 5	GP005	Wood Working Equipment	EQUI 165	
			EQUI 169	
			EQUI 170	
			EQUI 179	
			EQUI 201	
			EQUI 208	
			EQUI 209	
			EQUI 223	
			EQUI 224	
			EQUI 225	
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			EQUI 252	
			EQUI 253	
			EQUI 254	

Component Groups

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Subject Item ID	Delta Designation	Description	Group Member ID	
COMG 5	GP005	Wood Working Equipment	EQUI 255	
			EQUI 256	
			EQUI 257	
			EQUI 258	
			EQUI 259	
			EQUI 260	
			EQUI 261	
			EQUI 262	
			EQUI 263	
COMG 8	GP008	Flatline VOC & Coating Limits	EQUI 204	
			EQUI 205	

PTE by SI

AI ID (Name): 432 (acpi Wood Products LLC)
Activity: IND20250001

SI Category	SI Type	Subject Item ID	Delta Designation	Description	Pollutant	Potential (lbs/hr)	Unrestricted Potential (tons/yr)	Potential Limited (tons/yr)	Actual Emissions (tons/yr)
Component Group	Air Component Group	COMG 2	GP002	VOC and Coating Limits	HAPs - Total	0	0	240	
					Volatile Organic Compounds	0	0	240	
					Xylenes, Total	0	0	240	
		COMG 5	GP005	Wood Working Equipment	Particulate Matter	6.59	2,886	28.86	
					PM < 2.5 micron	6.59	2,886	28.86	
					PM < 10 micron	6.59	2,886	28.86	
		COMG 8	GP008	Flatline VOC & Coating Limits	HAPs - Total	0	0	225	
					Volatile Organic Compounds	0	0	225	
					Xylenes, Total	0	0	225	
Equipment	Boiler	EQUI 207	Null	Boiler	1,4-Dichlorobenzene (para-)	1.17e-06	5.13e-06	5.13e-06	
					Arsenic compounds	1.95e-07	8.54e-07	8.54e-07	
					Benzene	2.05e-06	8.97e-06	8.97e-06	
					Beryllium	1.19e-08	5.23e-08	5.23e-08	
					Cadmium compounds	1.07e-06	4.7e-06	4.7e-06	
					Carbon Dioxide	117.06	512.72	512.72	
					Carbon Dioxide Equivalent	117.75	515.76	515.76	
					Carbon Monoxide	0.0819	0.359	0.359	
					Chromium compounds	1.37e-06	5.98e-06	5.98e-06	
					Cobalt compounds	8.16e-08	3.57e-07	3.57e-07	
					Formaldehyde	7.32e-05	0.00032	0.00032	
					HAPs - Total	0.00184	0.00806	0.00806	
					Hexane	0.00176	0.00769	0.00769	
					Lead	4.88e-07	2.14e-06	2.14e-06	
					Manganese compounds	3.71e-07	1.63e-06	1.63e-06	
					Mercury	2.54e-07	1.11e-06	1.11e-06	
					Methane	0.00224	0.00983	0.00983	
					Naphthalene	5.95e-07	2.61e-06	2.61e-06	
					Nickel compounds	2.05e-06	8.97e-06	8.97e-06	
					Nitrogen Oxides	0.0975	0.427	0.427	
					Nitrous Oxide	0.00215	0.0094	0.0094	
					Particulate Matter	0.00741	0.0325	0.0325	
					PM < 2.5 micron	0.00741	0.0325	0.0325	
					PM < 10 micron	0.00741	0.0325	0.0325	
					Polycyclic organic matter	8.56e-08	3.75e-07	3.75e-07	
					Selenium compounds	2.39e-08	1.05e-07	1.05e-07	
					Sulfur Dioxide	0.000585	0.00256	0.00256	
					Volatile Organic Compounds	0.00536	0.0235	0.0235	
	Glazing Equipment	EQUI 93	EU109	Spray Booth Glaze 2	Cumene (Isopropylbenzene)	0.00785	0.0344	0.0344	
					Ethylbenzene	0.00985	0.0431	0.0431	
					Formaldehyde	0.0138	0.0604	0.0604	
					HAPs - Total	1.01	4.44	0	
					Naphthalene	0.924	4.05	4.05	
					Particulate Matter	0.0799	12.07	0.24	
					PM < 2.5 micron	0.0457	12.07	0.2	
					PM < 10 micron	0.0551	12.07	0.24	
					Toluene	0.00197	0.00863	0.00863	
					Volatile Organic Compounds	14.29	62.6	0	
					Xylenes, Total	0.0567	0.248	0	
	Other Combustion	EQUI 23	EU015	Air Make Up 40K (Any other process units)	1,4-Dichlorobenzene (para-)	5.17e-06	2.27e-05	2.27e-05	
					Arsenic compounds	8.62e-07	3.78e-06	3.78e-06	
					Benzene	9.06e-06	3.97e-05	3.97e-05	
					Beryllium	5.28e-08	2.31e-07	2.31e-07	
					Cadmium compounds	4.74e-06	2.08e-05	2.08e-05	
					Carbon Dioxide	517.65	2,267.29	2,267.29	
					Carbon Dioxide Equivalent	520.72	2,280.77	2,280.77	
					Carbon Monoxide	0.362	1.59	1.59	
					Chromium compounds	6.04e-06	2.65e-05	2.65e-05	
					Cobalt compounds	3.61e-07	1.58e-06	1.58e-06	
					Formaldehyde	0.000324	0.00142	0.00142	
					HAPs - Total	0.00813	0.0356	0.0356	
					Hexane	0.00777	0.034	0.034	
					Lead	2.16e-06	9.44e-06	9.44e-06	
					Manganese compounds	1.64e-06	7.19e-06	7.19e-06	
					Mercury	1.12e-06	4.91e-06	4.91e-06	
					Methane	0.00992	0.0435	0.0435	
					Naphthalene	2.63e-06	1.15e-05	1.15e-05	
					Nickel compounds	9.06e-06	3.97e-05	3.97e-05	
					Nitrogen Oxides	0.431	1.89	1.89	
					Nitrous Oxide	0.00949	0.0416	0.0416	
					Particulate Matter	0.0328	0.144	0.144	

PTE by SI

AI ID (Name): 432 (acpi Wood Products LLC)
Activity: IND20250001

SI Category	SI Type	Subject Item ID	Delta Designation	Description	Pollutant	Potential (lbs/hr)	Unrestricted Potential (tons/yr)	Potential Limited (tons/yr)	Actual Emissions (tons/yr)
Equipment	Other Combustion	EQUI 23	EU015	Air Make Up 40K (Any other process units)	PM < 2.5 micron	0.0328	0.144	0.144	
					PM < 10 micron	0.0328	0.144	0.144	
					Polycyclic organic matter	3.78e-07	1.66e-06	1.66e-06	
					Selenium compounds	1.06e-07	4.63e-07	4.63e-07	
					Sulfur Dioxide	0.00259	0.0113	0.0113	
					Volatile Organic Compounds	0.0237	0.104	0.104	
		EQUI 24	EU016	Air Make Up Unit 50K SW	1,4-Dichlorobenzene (para-)	6.47e-06	2.83e-05	2.83e-05	
					Arsenic compounds	1.08e-06	4.72e-06	4.72e-06	
					Benzene	1.13e-05	4.96e-05	4.96e-05	
					Beryllium	6.6e-08	2.89e-07	2.89e-07	
					Cadmium compounds	5.93e-06	2.6e-05	2.6e-05	
					Carbon Dioxide	647	2,834	2,834	
					Carbon Dioxide Equivalent	651	2,851	2,851	
					Carbon Monoxide	0.453	1.98	1.98	
					Chromium compounds	7.55e-06	3.31e-05	3.31e-05	
					Cobalt compounds	4.51e-07	1.98e-06	1.98e-06	
					Formaldehyde	0.000404	0.00177	0.00177	
					HAPs - Total	0.0102	0.0445	0.0445	
					Hexane	0.00971	0.0425	0.0425	
					Lead	2.7e-06	1.18e-05	1.18e-05	
					Manganese compounds	2.05e-06	8.99e-06	8.99e-06	
					Mercury	1.4e-06	6.14e-06	6.14e-06	
					Methane	0.012	0.054	0.054	
					Nickel compounds	1.13e-05	4.96e-05	4.96e-05	
					Nitrogen Oxides	0.539	2.36	2.36	
					Nitrous Oxide	0.012	0.052	0.052	
					Particulate Matter	0.041	0.179	0.179	
					PM < 2.5 micron	0.04	0.18	0.18	
					PM < 10 micron	0.04	0.18	0.18	
					Polycyclic organic matter	4.73e-07	2.07e-06	2.07e-06	
					Selenium compounds	1.32e-07	5.78e-07	5.78e-07	
					Sulfur Dioxide	0.00323	0.0142	0.0142	
					Toluene	1.83e-05	0.0001	0.0001	
					Volatile Organic Compounds	0.03	0.13	0.13	
		EQUI 25	EU017	Air Make Up Unit 50K W	1,4-Dichlorobenzene (para-)	6.47e-06	2.83e-05	2.83e-05	
					Arsenic compounds	1.08e-06	4.72e-06	4.72e-06	
					Benzene	1.13e-05	4.96e-05	4.96e-05	
					Beryllium	6.6e-08	2.89e-07	2.89e-07	
					Cadmium compounds	5.93e-06	2.6e-05	2.6e-05	
					Carbon Dioxide	647.06	2,834.12	2,834.12	
					Carbon Dioxide Equivalent	650.9	2,850.96	2,850.96	
					Carbon Monoxide	0.45	1.98	1.98	
					Chromium compounds	7.55e-06	3.31e-05	3.31e-05	
					Cobalt compounds	4.51e-07	1.98e-06	1.98e-06	
					Formaldehyde	0.000404	0.00177	0.00177	
					HAPs - Total	0.0102	0.0445	0.0445	
					Hexane	0.00971	0.0425	0.0425	
					Lead	2.7e-06	1.18e-05	1.18e-05	
					Manganese compounds	2.05e-06	8.99e-06	8.99e-06	
					Mercury	1.4e-06	6.14e-06	6.14e-06	
					Methane	0.0124	0.0543	0.0543	
					Naphthalene	3.29e-06	1.44e-05	1.44e-05	
					Nickel compounds	1.13e-05	4.96e-05	4.96e-05	
					Nitrogen Oxides	0.539	2.36	2.36	
					Nitrous Oxide	0.0119	0.052	0.052	
					Particulate Matter	0.041	0.179	0.179	
					PM < 2.5 micron	0.041	0.179	0.179	
					PM < 10 micron	0.041	0.179	0.179	
					Polycyclic organic matter	4.73e-07	2.07e-06	2.07e-06	
					Selenium compounds	1.32e-07	5.78e-07	5.78e-07	
					Sulfur Dioxide	0.00323	0.0142	0.0142	
					Volatile Organic Compounds	0.0296	0.13	0.13	
		EQUI 26	EU018	Air Make Up Unit 50K N	1,4-Dichlorobenzene (para-)	6.47e-06	2.83e-05	2.83e-05	
					Arsenic compounds	1.08e-06	4.72e-06	4.72e-06	
					Benzene	1.13e-05	4.96e-05	4.96e-05	
					Beryllium	6.6e-08	2.89e-07	2.89e-07	
					Cadmium compounds	5.93e-06	2.6e-05	2.6e-05	
					Carbon Dioxide	647	2,834	2,834	
					Carbon Dioxide Equivalent	650.9	2,850.96	2,850.96	
					Carbon Monoxide	0.453	1.98	1.98	

PTE by SI

AI ID (Name): 432 (acpi Wood Products LLC)
Activity: IND20250001

SI Category	SI Type	Subject Item ID	Delta Designation	Description	Pollutant	Potential (lbs/hr)	Unrestricted Potential (tons/yr)	Potential Limited (tons/yr)	Actual Emissions (tons/yr)
Equipment	Other Combustion	EQUI 26	EU018	Air Make Up Unit 50K N	Chromium compounds	7.55e-06	3.31e-05	3.31e-05	
					Cobalt compounds	4.51e-07	1.98e-06	1.98e-06	
					Formaldehyde	0.000404	0.00177	0.00177	
					HAPs - Total	0.0102	0.0444	0.0445	
					Hexane	0.00971	0.0425	0.0425	
					Lead	2.7e-06	1.18e-05	1.18e-05	
					Manganese compounds	2.05e-06	8.99e-06	8.99e-06	
					Mercury	1.4e-06	6.14e-06	6.14e-06	
					Methane	0.0124	0.0543	0.0543	
					Naphthalene	3.29e-06	1.44e-05	1.44e-05	
					Nickel compounds	1.13e-05	4.96e-05	4.96e-05	
					Nitrogen Oxides	0.539	2.36	2.36	
					Nitrous Oxide	0.0119	0.052	0.052	
					Particulate Matter	0.041	0.179	0.179	
					PM < 2.5 micron	0.041	0.179	0.179	
					PM < 10 micron	0.041	0.179	0.179	
					Polycyclic organic matter	4.73e-07	2.07e-06	2.07e-06	
					Selenium compounds	1.32e-07	5.78e-07	5.78e-07	
					Sulfur Dioxide	0.00323	0.0142	0.0142	
					Volatile Organic Compounds	0.0296	0.13	0.13	
		EQUI 27	EU019	Air Make Up Unit 50K SE	1,4-Dichlorobenzene (para-)	6.47e-06	2.83e-05	2.83e-05	
					Arsenic compounds	1.08e-06	4.72e-06	4.72e-06	
					Benzene	1.13e-05	4.96e-05	4.96e-05	
					Beryllium	6.6e-08	2.89e-07	2.89e-07	
					Cadmium compounds	5.93e-06	2.6e-05	2.6e-05	
					Carbon Dioxide	647.06	2,834.12	2,834.12	
					Carbon Dioxide Equivalent	650.9	2,850.96	2,850.96	
					Carbon Monoxide	0.45	1.98	1.98	
					Chromium compounds	7.55e-06	3.31e-05	3.31e-05	
					Cobalt compounds	4.51e-07	1.98e-06	1.98e-06	
					Formaldehyde	0.000404	0.00177	0.00177	
					HAPs - Total	0.0102	0.0445	0.0445	
					Hexane	0.00971	0.0425	0.0425	
					Lead	2.7e-06	1.18e-05	1.18e-05	
					Manganese compounds	2.05e-06	8.99e-06	8.99e-06	
					Mercury	1.4e-06	6.14e-06	6.14e-06	
					Methane	0.01	0.05	0.05	
					Naphthalene	3.29e-06	1.44e-05	1.44e-05	
					Nickel compounds	1.13e-05	4.96e-05	4.96e-05	
					Nitrogen Oxides	0.54	2.36	2.36	
					Nitrous Oxide	0.0119	0.052	0.052	
					Particulate Matter	0.04	0.18	0.18	
					PM < 2.5 micron	0.041	0.179	0.179	
					PM < 10 micron	0.041	0.179	0.179	
					Polycyclic organic matter	4.73e-07	2.07e-06	2.07e-06	
					Selenium compounds	1.32e-07	5.78e-07	5.78e-07	
					Sulfur Dioxide	0.00323	0.0142	0.0142	
					Volatile Organic Compounds	0.0296	0.13	0.13	
		EQUI 182	EU199	Air Make Up Unit	1,4-Dichlorobenzene (para-)	5.29e-06	2.32e-05	2.32e-05	
					Arsenic compounds	8.82e-07	3.86e-06	3.86e-06	
					Benzene	9.27e-06	4.06e-05	4.06e-05	
					Beryllium	5.4e-08	2.37e-07	2.37e-07	
					Cadmium compounds	4.85e-06	2.12e-05	2.12e-05	
					Carbon Dioxide	529.41	2,318.82	2,318.82	
					Carbon Dioxide Equivalent	532.56	2,332.6	2,332.6	
					Carbon Monoxide	0.371	1.62	1.62	
					Chromium compounds	6.18e-06	2.71e-05	2.71e-05	
					Cobalt compounds	3.69e-07	1.62e-06	1.62e-06	
					Formaldehyde	0.000331	0.00145	0.00145	
					HAPs - Total	0.00832	0.0364	0.0364	
					Hexane	0.00794	0.0348	0.0348	
					Lead	2.21e-06	9.66e-06	9.66e-06	
					Manganese compounds	1.68e-06	7.35e-06	7.35e-06	
					Mercury	1.15e-06	5.03e-06	5.03e-06	
					Methane	0.0101	0.0444	0.0444	
					Naphthalene	2.69e-06	1.18e-05	1.18e-05	
					Nickel compounds	9.27e-06	4.06e-05	4.06e-05	
					Nitrogen Oxides	0.44	1.93	1.93	
					Nitrous Oxide	0.00971	0.0425	0.0425	
					Particulate Matter	0.0335	0.147	0.147	

PTE by SI

AI ID (Name): 432 (acpi Wood Products LLC)
Activity: IND20250001

SI Category	SI Type	Subject Item ID	Delta Designation	Description	Pollutant	Potential (lbs/hr)	Unrestricted Potential (tons/yr)	Potential Limited (tons/yr)	Actual Emissions (tons/yr)
Equipment	Other Combustion	EQUI 182	EU199	Air Make Up Unit	PM < 2.5 micron	0.0335	0.147	0.147	
					PM < 10 micron	0.0335	0.147	0.147	
					Polycyclic organic matter	3.87e-07	1.7e-06	1.7e-06	
					Selenium compounds	1.08e-07	4.73e-07	4.73e-07	
					Sulfur Dioxide	0.003	0.012	0.012	
					Volatile Organic Compounds	0.0243	0.106	0.106	
		EQUI 206	Null	Air Makeup Unit	1,4-Dichlorobenzene (para-)	4.35e-06	1.91e-05	1.91e-05	
					Arsenic compounds	7.25e-07	3.18e-06	3.18e-06	
					Benzene	7.62e-06	3.34e-05	3.34e-05	
					Beryllium	4.44e-08	1.94e-07	1.94e-07	
					Cadmium compounds	3.99e-06	1.75e-05	1.75e-05	
					Carbon Dioxide	435.29	1,906.59	1,906.59	
					Carbon Dioxide Equivalent	438	1,918	1,918	
					Carbon Monoxide	0.305	1.33	1.33	
					Chromium compounds	5.08e-06	2.23e-05	2.23e-05	
					Cobalt compounds	3.03e-07	1.33e-06	1.33e-06	
					Formaldehyde	0.000272	0.00119	0.00119	
					HAPs - Total	0.00684	0.03	0.03	
					Hexane	0.00653	0.0286	0.0286	
					Lead	1.81e-06	7.94e-06	7.94e-06	
					Manganese compounds	1.38e-06	6.04e-06	6.04e-06	
					Mercury	9.44e-07	4.13e-06	4.13e-06	
					Methane	0.00834	0.0365	0.0365	
					Naphthalene	2.21e-06	9.69e-06	9.69e-06	
					Nickel compounds	7.62e-06	3.34e-05	3.34e-05	
					Nitrogen Oxides	0.363	1.59	1.59	
					Nitrous Oxide	0.00798	0.035	0.035	
					Particulate Matter	0.0276	0.121	0.121	
					PM < 2.5 micron	0.0276	0.121	0.121	
					PM < 10 micron	0.0276	0.121	0.121	
					Polycyclic organic matter	3.18e-07	1.39e-06	1.39e-06	
					Selenium compounds	8.88e-08	3.89e-07	3.89e-07	
					Sulfur Dioxide	0.00218	0.00953	0.00953	
					Volatile Organic Compounds	0.0199	0.0874	0.0874	
	Spray Booth/Coating Line	EQUI 84	EU100	Spray Booth Stain 1	Cumene (Isopropylbenzene)	0.141	0.616	0.359	
					Diethanaolamine	0.00585	0.0256	0.0149	
					Ethylbenzene	5.61	24.6	14.33	
					Formaldehyde	0.027	0.118	0.0691	
					Glycol ethers	0.0172	0.0754	0.044	
					HAPs - Total	35.47	155.37	0	
					Hydroquinone	0.00575	0.0252	0.0147	
					Methanol	0.568	2.49	1.45	
					Naphthalene	0.224	0.982	0.573	
					Particulate Matter	0.864	130.47	1.52	
					PM < 2.5 micron	0.494	130.47	1.26	
					PM < 10 micron	0.596	130.47	1.52	
					Toluene	2.12	9.3	5.42	
					Triethylamine	0.0525	0.23	0.134	
					Volatile Organic Compounds	84.03	368.03	0	
					Xylenes, Total	26.7	117	0	
		EQUI 86	EU102	Spray Booth Seal 1	Cumene (Isopropylbenzene)	0.0641	0.281	0.164	
					Ethylbenzene	1.55	6.79	3.96	
					Formaldehyde	0.122	0.532	0.311	
					Glycol ethers	0.849	3.72	2.17	
					HAPs - Total	13.54	59.3	0	
					Methanol	1.15	5.02	2.93	
					Particulate Matter	0.452	68.29	0.8	
					PM < 2.5 micron	0.259	68.29	0.66	
					PM < 10 micron	0.312	68.29	0.8	
					Toluene	2.45	10.7	6.26	
					Volatile Organic Compounds	55.93	244.99	0	
					Xylenes, Total	7.36	32.2	0	
		EQUI 88	EU104	Spray Booth Topcoat 1	Cumene (Isopropylbenzene)	0.0643	0.2818	0.164	
					Ethylbenzene	2.27	9.96	5.81	
					Formaldehyde	0.141	0.616	0.359	
					Glycol ethers	0.863	3.7798	2.2	
					HAPs - Total	17.2	75.3	0	
					Methanol	0.0165	0.0724	4.23	
					Particulate Matter	0.226	34.09	0.393	
					PM < 2.5 micron	0.129	34.09	0.264	

PTE by SI

AI ID (Name): 432 (acpi Wood Products LLC)
Activity: IND20250001

SI Category	SI Type	Subject Item ID	Delta Designation	Description	Pollutant	Potential (lbs/hr)	Unrestricted Potential (tons/yr)	Potential Limited (tons/yr)	Actual Emissions (tons/yr)
Equipment	Spray Booth/Coating Line	EQUI 88	EU104	Spray Booth Topcoat 1	PM < 10 micron	0.156	34.09	0.393	
					Toluene	2.95	12.9	7.54	
					Volatile Organic Compounds	51.4	225.34	0	
					Xylenes, Total	10.9	47.7	0	
		EQUI 90	EU106	Spray Booth Stain 2	Cumene (Isopropylbenzene)	0.255	1.12	1.12	
					Ethylbenzene	5.61	24.6	24.6	
					Formaldehyde	0.027	0.118	0.118	
					Glycol ethers	0.0826	0.362	0.362	
					HAPs - Total	35.77	156.65	0	
					Hydroquinone	0.00575	0.0252	0.0252	
					Methanol	0.827	3.62	3.62	
					Naphthalene	0.0838	0.367	0.367	
					Particulate Matter	0.916	138.33	2.77	
					PM < 2.5 micron	0.524	138.33	2.3	
					PM < 10 micron	0.632	138.33	2.77	
					Toluene	2.12	9.3	9.3	
					Triethylamine	0.0525	0.23	0.23	
					Volatile Organic Compounds	104.74	458.76	0	
					Xylenes, Total	26.7	117	0	
		EQUI 92	EU108	Spray Booth Seal 2	Cumene (Isopropylbenzene)	0.0641	0.281	0.281	
					Ethylbenzene	1.63	7.14	7.14	
					Formaldehyde	0.122	0.532	0.532	
					Glycol ethers	0.849	3.72	3.72	
					HAPs - Total	17.27	75.64	0	
					Hydroquinone	0.00982	0.043	0.043	
					Methanol	1.15	5.05	5.05	
					Naphthalene	0.000288	0.00126	0.00126	
					Particulate Matter	0.452	68.29	1.37	
					PM < 2.5 micron	1.37	68.29	1.13	
					PM < 10 micron	0.312	68.29	1.37	
					Toluene	5.66	24.8	24.8	
					Volatile Organic Compounds	60.09	263.19	0	
					Xylenes, Total	7.78	34.1	0	
		EQUI 94	EU110	Spray Booth Topcoat 2	Cumene (Isopropylbenzene)	0.0643	0.282	0.282	
					Ethylbenzene	2.27	9.96	9.96	
					Formaldehyde	0.141	0.616	0.616	
					Glycol ethers	0.863	3.78	3.78	
					HAPs - Total	17.2	75.34	0	
					Methanol	0.0165	0.0724	0.0724	
					Particulate Matter	0.226	34.09	0.682	
					PM < 2.5 micron	0.129	34.09	0.566	
					PM < 10 micron	0.156	34.09	0.682	
					Toluene	2.95	12.9	12.9	
					Volatile Organic Compounds	51.45	225.34	0	
					Xylenes, Total	10.9	47.7	0	
		EQUI 96	EU112	Spray Booth Stain 3	Cumene (Isopropylbenzene)	0.255	1.12	1.12	
					Diethanaolamine	0.00585	0.0256	0.0256	
					Ethylbenzene	5.61	24.6	24.6	
					Formaldehyde	0.0294	0.129	0.129	
					Glycol ethers	0.0172	0.0754	0.0754	
					HAPs - Total	35.85	157.02	0	
					Hydroquinone	0.00575	0.0252	0.0252	
					Methanol	0.827	3.62	3.62	
					Naphthalene	0.224	0.982	0.982	
					Particulate Matter	0.916	138.33	2.77	
					PM < 2.5 micron	0.524	138.33	2.3	
					PM < 10 micron	0.632	138.33	2.77	
					Toluene	2.12	9.3	9.3	
					Triethylamine	0.0525	0.23	0.23	
					Volatile Organic Compounds	104.74	458.76	0	
					Xylenes, Total	26.7	117	0	
		EQUI 98	EU114	Spray Booth Seal 3	Cumene (Isopropylbenzene)	0.0782	0.343	0.343	
					Ethylbenzene	1.63	7.14	7.14	
					Formaldehyde	0.122	0.532	0.532	
					Glycol ethers	1.04	4.54	4.54	
					HAPs - Total	17.47	76.52	0	
					Hydroquinone	0.00982	0.043	0.043	
					Methanol	1.15	5.05	5.05	
					Naphthalene	0.000288	0.00126	0.00126	
					Particulate Matter	0.463	69.91	1.4	

PTE by SI

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SI Category	SI Type	Subject Item ID	Delta Designation	Description	Pollutant	Potential (lbs/hr)	Unrestricted Potential (tons/yr)	Potential Limited (tons/yr)	Actual Emissions (tons/yr)
Equipment	Spray Booth/Coating Line	EQUI 98	EU114	Spray Booth Seal 3	PM < 2.5 micron	0.265	69.91	1.16	
					PM < 10 micron	0.319	69.91	1.4	
					Toluene	5.66	24.8	24.8	
					Volatile Organic Compounds	60.09	263.19	0	
					Xylenes, Total	7.78	34.1	0	
		EQUI 99	EU115	Spray Booth Glaze 3	Cumene (Isopropylbenzene)	0.00785	0.0344	0.0344	
					Ethylbenzene	0.00985	0.0431	0.0431	
					Formaldehyde	0.0138	0.0604	0.0604	
					HAPs - Total	1.01	4.44	0	
					Naphthalene	0.924	4.05	4.05	
					Particulate Matter	0.08	12.07	0.241	
					PM < 2.5 micron	0.046	12.07	0.2	
					PM < 10 micron	0.055	12.07	0.241	
					Toluene	0.00197	0.00863	0.00863	
					Volatile Organic Compounds	14.29	62.6	0	
					Xylenes, Total	0.0567	0.248	0	
		EQUI 100	EU116	Spray Booth Topcoat 3	Cumene (Isopropylbenzene)	0.0643	0.282	0.282	
					Ethylbenzene	2.27	9.96	9.96	
					Formaldehyde	0.141	0.616	0.616	
					Glycol ethers	0.863	3.78	3.78	
					HAPs - Total	17.2	75.34	0	
					Methanol	0.0165	0.0724	0.0724	
					Particulate Matter	0.226	34.09	0.682	
					PM < 2.5 micron	0.129	34.09	0.566	
					PM < 10 micron	0.156	34.09	0.682	
					Toluene	2.95	12.9	12.9	
					Volatile Organic Compounds	51.45	225.34	0	
					Xylenes, Total	10.9	47.7	0	
		EQUI 204	Null	Flatline 1	Cumene (Isopropylbenzene)	0.257	1.13	0.939	
					Ethylbenzene	14.9	65.2	54.3	
					Formaldehyde	0.757	3.31	2.76	
					Glycol ethers	15.4	67.6	56.3	
					HAPs - Total	140.64	616	0	
					Methanol	4.6	20.2	16.8	
					Particulate Matter	1.93	385.11	7.06	
					PM < 2.5 micron	1.93	385.11	7.06	
					PM < 10 micron	1.93	385.11	7.06	
					Toluene	33.6	147	122.7	
					Volatile Organic Compounds	301	1,318.36	0	
					Xylenes, Total	71.1	311	0	
		EQUI 205	Null	Flatline 2	Cumene (Isopropylbenzene)	0.257	1.13	0.93	
					Ethylbenzene	14.9	65.2	54.3	
					Formaldehyde	0.757	3.31	2.76	
					Glycol ethers	15.4	67.6	56.3	
					HAPs - Total	140.64	616	0	
					Methanol	4.6	20.2	16.8	
					Particulate Matter	1.93	385.11	8.47	
					PM < 2.5 micron	1.93	385.11	8.47	
					PM < 10 micron	1.93	385.11	8.47	
					Toluene	33.6	147	122.7	
					Volatile Organic Compounds	301	1,318.4	0	
					Xylenes, Total	71.1	311	0	

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SI Category	SI Type	Subject Item ID	Delta Designation	Description	Relationship	Related SI ID	% Flow	Related SI Type	Related Delta Designation	Relationship Start Date	Relationship End Date	
Equipment	Boiler	EQUI 207	Null	Boiler	sends to	STRU 71	100	Stack/Vent	SV071	10/1/2016	Null	
	Cutting Equipment	EQUI 29	EU025	Shaper	is controlled by	TREA 32	100	018-Fabric Filter - Low Temp, T<180 Degrees F	CE012	4/12/2012	Null	
					sends to	STRU 1	100	Stack/Vent	SV018	4/12/2012	Null	
		EQUI 43	EU052	Dovetail Machine	is controlled by	TREA 32	100	018-Fabric Filter - Low Temp, T<180 Degrees F	CE012	1/1/1992	Null	
					sends to	STRU 1	100	Stack/Vent	SV018	9/28/1999	Null	
		EQUI 61	EU077	CNC Machine	is controlled by	TREA 33	100	018-Fabric Filter - Low Temp, T<180 Degrees F	CE013	4/12/2012	Null	
					sends to	STRU 2	100	Stack/Vent	SV019	4/12/2012	Null	
		EQUI 63	EU079	Boring Machine	is controlled by	TREA 43	100	018-Fabric Filter - Low Temp, T<180 Degrees F	Null	4/1/2025	Null	
					sends to	STRU 73	100	Stack/Vent	Null	4/1/2025	Null	
		EQUI 72	EU088	Shaper	is controlled by	TREA 33	100	018-Fabric Filter - Low Temp, T<180 Degrees F	CE013	4/16/2007	Null	
					sends to	STRU 2	100	Stack/Vent	SV019	4/16/2007	Null	
		EQUI 73	EU089	Boring Machine	is controlled by	TREA 32	100	018-Fabric Filter - Low Temp, T<180 Degrees F	CE012	4/16/2007	Null	
					sends to	STRU 1	100	Stack/Vent	SV018	4/16/2007	Null	
		EQUI 80	EU096	Shaper	is controlled by	TREA 33	100	018-Fabric Filter - Low Temp, T<180 Degrees F	CE013	4/16/2007	Null	
					sends to	STRU 2	100	Stack/Vent	SV019	4/16/2007	Null	
		EQUI 149	EU170	Boring Machine	is controlled by	TREA 43	100	018-Fabric Filter - Low Temp, T<180 Degrees F	Null	4/1/2025	Null	
					sends to	STRU 73	100	Stack/Vent	Null	4/1/2025	Null	
		EQUI 150	EU171	3 Hinge Machines	is controlled by	TREA 33	100	018-Fabric Filter - Low Temp, T<180 Degrees F	CE013	4/12/2012	Null	
					sends to	STRU 2	100	Stack/Vent	SV019	4/12/2012	Null	
		EQUI 152	EU173	Boring Machine	is controlled by	TREA 32	100	018-Fabric Filter - Low Temp, T<180 Degrees F	CE012	4/12/2012	Null	
					sends to	STRU 1	100	Stack/Vent	SV018	4/12/2012	Null	
		EQUI 169	EU190	Notcher Machine	is controlled by	TREA 32	100	018-Fabric Filter - Low Temp, T<180 Degrees F	CE012	4/12/2012	Null	
					sends to	STRU 1	100	Stack/Vent	SV018	4/12/2012	Null	
		EQUI 170	EU191	Notcher Machine	is controlled by	TREA 32	100	018-Fabric Filter - Low Temp, T<180 Degrees F	CE012	4/12/2012	Null	
					sends to	STRU 1	100	Stack/Vent	SV018	4/12/2012	Null	
		EQUI 229	Null	Notcher	is controlled by	TREA 32	100	018-Fabric Filter - Low Temp, T<180 Degrees F	CE012	7/15/2004	Null	
					sends to	STRU 1	100	Stack/Vent	SV018	7/15/2004	Null	
		EQUI 230	Null	Shaper	is controlled by	TREA 32	100	018-Fabric Filter - Low Temp, T<180 Degrees F	CE012	7/15/2004	Null	
					sends to	STRU 1	100	Stack/Vent	SV018	7/15/2004	Null	
		EQUI 231	Null	Hinge Machine	is controlled by	TREA 33	100	018-Fabric Filter - Low Temp, T<180 Degrees F	CE013	6/13/2009	Null	
					sends to	STRU 2	100	Stack/Vent	SV019	6/13/2009	Null	
		EQUI 232	Null	Hinge Machine	is controlled by	TREA 33	100	018-Fabric Filter - Low Temp, T<180 Degrees F	CE013	6/13/2009	Null	
					sends to	STRU 2	100	Stack/Vent	SV019	6/13/2009	Null	
		EQUI 240	Null	Hinge Machine	is controlled by	TREA 33	100	018-Fabric Filter - Low Temp, T<180 Degrees F	CE013	4/1/2025	Null	
					sends to	STRU 2	100	Stack/Vent	SV019	4/1/2025	Null	
		EQUI 241	Null	CNC Machine	is controlled by	TREA 32	100	018-Fabric Filter - Low Temp, T<180 Degrees F	CE012	3/1/2024	Null	
					sends to	STRU 1	100	Stack/Vent	SV018	3/1/2024	Null	
		EQUI 242	Null	Boring Machine	is controlled by	TREA 33	100	018-Fabric Filter - Low Temp, T<180 Degrees F	CE013	4/1/2020	Null	
					sends to	STRU 2	100	Stack/Vent	SV019	4/1/2020	Null	

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SI Category	SI Type	Subject Item ID	Delta Designation	Description	Relationship	Related SI ID	% Flow	Related SI Type	Related Delta Designation	Relationship Start Date	Relationship End Date	
Equipment	Cutting Equipment	EQUI 249	Null	Shaper	is controlled by	TREA 32	100	018-Fabric Filter - Low Temp, T<180 Degrees F	CE012	8/1/2024	Null	
					sends to	STRU 1	100	Stack/Vent	SV018	8/1/2024	Null	
		EQUI 256	Null	Shaper	is controlled by	TREA 33	100	018-Fabric Filter - Low Temp, T<180 Degrees F	CE013	4/1/2025	Null	
					sends to	STRU 2	100	Stack/Vent	SV019	4/1/2025	Null	
		EQUI 259	Null	Edge Bander	is controlled by	TREA 33	100	018-Fabric Filter - Low Temp, T<180 Degrees F	CE013	4/1/2025	Null	
					sends to	STRU 2	100	Stack/Vent	SV019	4/1/2025	Null	
		EQUI 260	Null	Drimat	is controlled by	TREA 32	100	018-Fabric Filter - Low Temp, T<180 Degrees F	CE012	4/1/2025	Null	
					sends to	STRU 1	100	Stack/Vent	SV018	4/1/2025	Null	
	Data Acquisition System	EQUI 7	DA001	Pressure Drop Recorder	receives from	EQUI 10	Null	Parametric Monitor	MR001	5/22/2008	Null	
						EQUI 11	Null	Parametric Monitor	MR002	4/12/2012	Null	
	Drilling Equipment	EQUI 34	EU036	Boring Machine	is controlled by	TREA 43	100	018-Fabric Filter - Low Temp, T<180 Degrees F	Null	4/1/2025	Null	
					sends to	STRU 73	100	Stack/Vent	Null	4/1/2025	Null	
		EQUI 35	EU037	Drill	is controlled by	TREA 32	100	018-Fabric Filter - Low Temp, T<180 Degrees F	CE012	1/1/1984	Null	
					sends to	STRU 1	100	Stack/Vent	SV018	9/28/1999	Null	
		EQUI 48	EU064	Boring Machine	is controlled by	TREA 33	100	018-Fabric Filter - Low Temp, T<180 Degrees F	CE013	1/1/2002	Null	
					sends to	STRU 2	100	Stack/Vent	SV019	4/16/2007	Null	
		EQUI 55	EU071	Drill	is controlled by	TREA 32	100	018-Fabric Filter - Low Temp, T<180 Degrees F	CE012	4/12/2012	Null	
					sends to	STRU 1	100	Stack/Vent	SV018	4/12/2012	Null	
		EQUI 223	Null	Boring Machine	is controlled by	TREA 43	100	018-Fabric Filter - Low Temp, T<180 Degrees F	Null	4/1/2025	Null	
					sends to	STRU 73	100	Stack/Vent	Null	4/1/2025	Null	
		EQUI 255	Null	Boring Machine	is controlled by	TREA 33	100	018-Fabric Filter - Low Temp, T<180 Degrees F	CE013	4/1/2025	Null	
					sends to	STRU 2	100	Stack/Vent	SV019	4/1/2025	Null	
	Glazing Equipment	EQUI 93	EU109	Spray Booth Glaze 2	is controlled by	TREA 11	100	058-Mat or Panel Filter	CE029	12/10/2007	Null	
					sends to	STRU 33	100	Stack/Vent	SV060	4/12/2012	Null	
	Grinder	EQUI 261	Null	Grinder	is controlled by	TREA 32	100	018-Fabric Filter - Low Temp, T<180 Degrees F	CE012	4/1/2025	Null	
					sends to	STRU 1	100	Stack/Vent	SV018	4/1/2025	Null	
		EQUI 262	Null	Grinder	is controlled by	TREA 32	100	018-Fabric Filter - Low Temp, T<180 Degrees F	CE012	4/1/2025	Null	
					sends to	STRU 1	100	Stack/Vent	SV018	4/1/2025	Null	
		EQUI 263	Null	Grinder	is controlled by	TREA 43	100	018-Fabric Filter - Low Temp, T<180 Degrees F	Null	4/1/2025	Null	
					sends to	STRU 73	100	Stack/Vent	Null	4/1/2025	Null	
	Milling Equipment	EQUI 237	Null	Router Table	is controlled by	TREA 33	100	018-Fabric Filter - Low Temp, T<180 Degrees F	CE013	8/6/2020	Null	
					sends to	STRU 2	100	Stack/Vent	SV019	8/6/2020	Null	
	Other Emission Unit	EQUI 159	EU180	Houncher	is controlled by	TREA 43	100	018-Fabric Filter - Low Temp, T<180 Degrees F	Null	4/1/2025	Null	
					sends to	STRU 73	100	Stack/Vent	Null	4/1/2025	Null	
		EQUI 244	Null	Brush/Cleaner	is controlled by	TREA 33	100	018-Fabric Filter - Low Temp, T<180 Degrees F	CE013	10/1/2016	Null	
					sends to	STRU 2	100	Stack/Vent	SV019	10/1/2016	Null	
		EQUI 245	Null	Brush/Cleaner	is controlled by	TREA 33	100	018-Fabric Filter - Low Temp, T<180 Degrees F	CE013	10/1/2016	Null	
					sends to	STRU 2	100	Stack/Vent	SV019	10/1/2016	Null	
	Sanding Equipment	EQUI 201	EU051	3 Wide Belt Sanders	is controlled by	TREA 33	100	018-Fabric Filter - Low Temp, T<180 Degrees F	CE013	1/1/1992	Null	

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Equipment	Sanding Equipment	EQUI 201	EU051	3 Wide Belt Sanders	sends to	STRU 2	100	Stack/Vent	SV019	9/28/1999	Null	
		EQUI 208	Null	Flatline Sander 1	is controlled by	TREA 33	100	018-Fabric Filter - Low Temp, T<180 Degrees F	CE013	10/1/2016	Null	
					sends to	STRU 2	100	Stack/Vent	SV019	10/1/2016	Null	
		EQUI 209	Null	Flatline Sander 2	is controlled by	TREA 33	100	018-Fabric Filter - Low Temp, T<180 Degrees F	CE013	10/1/2016	Null	
					sends to	STRU 2	100	Stack/Vent	SV019	10/1/2016	Null	
		EQUI 234	Null	Bump Sander	is controlled by	TREA 43	100	018-Fabric Filter - Low Temp, T<180 Degrees F	Null	4/1/2023	Null	
					sends to	STRU 73	100	Stack/Vent	Null	4/1/2023	Null	
		EQUI 236	Null	Sander	is controlled by	TREA 33	100	018-Fabric Filter - Low Temp, T<180 Degrees F	CE013	1/1/2024	Null	
					sends to	STRU 2	100	Stack/Vent	SV019	1/1/2024	Null	
		EQUI 239	Null	Panel Sander	is controlled by	TREA 32	100	018-Fabric Filter - Low Temp, T<180 Degrees F	CE012	4/1/2023	Null	
					sends to	STRU 1	100	Stack/Vent	SV018	4/1/2023	Null	
		EQUI 246	Null	Roba Tech	is controlled by	TREA 33	100	018-Fabric Filter - Low Temp, T<180 Degrees F	CE013	1/1/2020	Null	
					sends to	STRU 2	100	Stack/Vent	SV019	1/1/2020	Null	
		EQUI 247	Null	Brush Sander	is controlled by	TREA 33	100	018-Fabric Filter - Low Temp, T<180 Degrees F	CE013	7/1/2024	Null	
					sends to	STRU 2	100	Stack/Vent	SV019	7/1/2024	Null	
		EQUI 248	Null	Brush Sander	is controlled by	TREA 33	100	018-Fabric Filter - Low Temp, T<180 Degrees F	CE013	7/10/2024	Null	
					sends to	STRU 2	100	Stack/Vent	SV019	7/10/2024	Null	
	Sawing Equipment	EQUI 32	EU029	Table Saw	is controlled by	TREA 32	100	018-Fabric Filter - Low Temp, T<180 Degrees F	CE012	1/1/1984	Null	
					sends to	STRU 1	100	Stack/Vent	SV018	1/1/1984	Null	
		EQUI 36	EU038	Table Saw	is controlled by	TREA 33	100	018-Fabric Filter - Low Temp, T<180 Degrees F	CE013	1/1/1992	Null	
					sends to	STRU 2	100	Stack/Vent	SV019	9/28/1999	Null	
		EQUI 37	EU039	Table Saw	is controlled by	TREA 32	100	018-Fabric Filter - Low Temp, T<180 Degrees F	CE012	1/1/1992	Null	
					sends to	STRU 1	100	Stack/Vent	SV018	9/28/1999	Null	
		EQUI 47	EU063	Table Saw	is controlled by	TREA 43	100	018-Fabric Filter - Low Temp, T<180 Degrees F	Null	4/1/2025	Null	
					sends to	STRU 73	100	Stack/Vent	Null	4/1/2025	Null	
		EQUI 50	EU066	Chop Saw	is controlled by	TREA 43	100	018-Fabric Filter - Low Temp, T<180 Degrees F	Null	4/1/2025	Null	
					sends to	STRU 73	100	Stack/Vent	Null	4/1/2025	Null	
		EQUI 56	EU072	Chop Saw	is controlled by	TREA 32	100	018-Fabric Filter - Low Temp, T<180 Degrees F	CE012	4/12/2012	Null	
					sends to	STRU 1	100	Stack/Vent	SV018	4/12/2012	Null	
		EQUI 62	EU078	Miter Saw	is controlled by	TREA 33	100	018-Fabric Filter - Low Temp, T<180 Degrees F	CE013	4/16/2007	Null	
					sends to	STRU 2	100	Stack/Vent	SV019	4/16/2007	Null	
		EQUI 65	EU081	Band Saw	is controlled by	TREA 32	100	018-Fabric Filter - Low Temp, T<180 Degrees F	CE012	4/16/2007	Null	
					sends to	STRU 1	100	Stack/Vent	SV018	4/16/2007	Null	
		EQUI 68	EU084	Table Saw	is controlled by	TREA 33	100	018-Fabric Filter - Low Temp, T<180 Degrees F	CE013	4/16/2007	Null	
					sends to	STRU 2	100	Stack/Vent	SV019	4/16/2007	Null	
		EQUI 75	EU091	Table Saw	is controlled by	TREA 32	100	018-Fabric Filter - Low Temp, T<180 Degrees F	CE012	4/16/2007	Null	
					sends to	STRU 1	100	Stack/Vent	SV018	4/16/2007	Null	
		EQUI 76	EU092	Panel Saw	is controlled by	TREA 32	100	018-Fabric Filter - Low Temp, T<180 Degrees F	CE012	4/16/2007	Null	
					sends to	STRU 1	100	Stack/Vent	SV018	4/16/2007	Null	

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Equipment	Sawing Equipment	EQUI 78	EU094	Table Saw	is controlled by	TREA 32	100	018-Fabric Filter - Low Temp, T<180 Degrees F	CE012	4/12/2012	Null	
					sends to	STRU 1	100	Stack/Vent	SV018	4/12/2012	Null	
		EQUI 79	EU095	Panel Saw	is controlled by	TREA 32	100	018-Fabric Filter - Low Temp, T<180 Degrees F	CE012	4/12/2012	Null	
					sends to	STRU 1	100	Stack/Vent	SV018	4/12/2012	Null	
		EQUI 82	EU098	Edge Bander	is controlled by	TREA 43	100	018-Fabric Filter - Low Temp, T<180 Degrees F	Null	4/1/2025	Null	
					sends to	STRU 1	100	Stack/Vent	SV018	4/1/2025	Null	
		EQUI 142	EU163	Table Saw	is controlled by	TREA 32	100	018-Fabric Filter - Low Temp, T<180 Degrees F	CE012	4/12/2012	Null	
					sends to	STRU 1	100	Stack/Vent	SV018	4/12/2012	Null	
		EQUI 143	EU164	Table Saw	is controlled by	TREA 33	100	018-Fabric Filter - Low Temp, T<180 Degrees F	CE013	4/12/2012	Null	
					sends to	STRU 2	100	Stack/Vent	SV019	4/12/2012	Null	
		EQUI 146	EU167	Table Saw	is controlled by	TREA 33	100	018-Fabric Filter - Low Temp, T<180 Degrees F	CE013	4/12/2012	Null	
		EQUI 157	EU178	Table Saw	is controlled by	TREA 43	100	018-Fabric Filter - Low Temp, T<180 Degrees F	Null	4/1/2025	Null	
					sends to	STRU 73	100	Stack/Vent	Null	4/1/2025	Null	
		EQUI 161	EU182	Table Saw	is controlled by	TREA 32	100	018-Fabric Filter - Low Temp, T<180 Degrees F	CE012	4/12/2012	Null	
					sends to	STRU 1	100	Stack/Vent	SV018	4/12/2012	Null	
		EQUI 162	EU183	Table Saw	is controlled by	TREA 32	100	018-Fabric Filter - Low Temp, T<180 Degrees F	CE012	4/12/2012	Null	
					sends to	STRU 1	100	Stack/Vent	SV018	4/12/2012	Null	
		EQUI 165	EU186	Double Miter Saw Notcher	is controlled by	TREA 33	100	018-Fabric Filter - Low Temp, T<180 Degrees F	CE013	4/12/2012	Null	
					sends to	STRU 2	100	Stack/Vent	SV019	4/12/2012	Null	
		EQUI 179	EU196	Vertical Panel Saw	is controlled by	TREA 32	100	018-Fabric Filter - Low Temp, T<180 Degrees F	CE012	4/12/2012	Null	
					sends to	STRU 1	100	Stack/Vent	SV018	4/12/2012	Null	
		EQUI 224	Null	Table Saw	is controlled by	TREA 33	100	018-Fabric Filter - Low Temp, T<180 Degrees F	CE013	12/1/1992	Null	
					sends to	STRU 2	100	Stack/Vent	SV019	12/1/1992	Null	
		EQUI 225	Null	Table Saw	is controlled by	TREA 32	100	018-Fabric Filter - Low Temp, T<180 Degrees F	CE012	12/1/1992	Null	
					sends to	STRU 1	100	Stack/Vent	SV018	12/1/1992	Null	
		EQUI 226	Null	Table Saw	is controlled by	TREA 33	100	018-Fabric Filter - Low Temp, T<180 Degrees F	CE013	12/1/1992	Null	
					sends to	STRU 2	100	Stack/Vent	SV019	12/1/1992	Null	
		EQUI 227	Null	Table Saw	is controlled by	TREA 43	100	018-Fabric Filter - Low Temp, T<180 Degrees F	Null	4/1/2025	Null	
					sends to	STRU 73	100	Stack/Vent	Null	4/1/2025	Null	
		EQUI 228	Null	Table Saw	is controlled by	TREA 33	100	018-Fabric Filter - Low Temp, T<180 Degrees F	CE013	1/1/2002	Null	
					sends to	STRU 2	100	Stack/Vent	SV019	1/1/2002	Null	
		EQUI 233	Null	S90 Chow Saw	is controlled by	TREA 43	100	018-Fabric Filter - Low Temp, T<180 Degrees F	Null	9/1/2019	Null	
					sends to	STRU 73	100	Stack/Vent	Null	9/1/2019	Null	
		EQUI 235	Null	Panel Saw	is controlled by	TREA 43	100	018-Fabric Filter - Low Temp, T<180 Degrees F	Null	11/1/2023	Null	
					sends to	STRU 73	100	Stack/Vent	Null	11/1/2023	Null	
		EQUI 238	Null	Vertical Panel Saw	is controlled by	TREA 33	100	018-Fabric Filter - Low Temp, T<180 Degrees F	CE013	4/16/2020	Null	
					sends to	STRU 2	100	Stack/Vent	SV019	4/16/2020	Null	
		EQUI 243	Null	Miter Saw	is controlled by	TREA 33	100	018-Fabric Filter - Low Temp, T<180 Degrees F	CE013	7/1/2024	Null	
					sends to	STRU 2	100	Stack/Vent	SV019	7/1/2024	Null	

Relationships

AI ID (Name): 432 (acpi Wood Products LLC)
Activity: IND20250001

SI Category	SI Type	Subject Item ID	Delta Designation	Description	Relationship	Related SI ID	% Flow	Related SI Type	Related Delta Designation	Relationship Start Date	Relationship End Date	
Equipment	Sawing Equipment	EQUI 250	Null	Miter Saw	is controlled by	TREA 33	100	018-Fabric Filter - Low Temp, T<180 Degrees F	CE013	4/1/2025	Null	
					sends to	STRU 2	100	Stack/Vent	SV019	4/1/2025	Null	
		EQUI 251	Null	Miter Saw	is controlled by	TREA 33	100	018-Fabric Filter - Low Temp, T<180 Degrees F	CE013	4/1/2025	Null	
					sends to	STRU 2	100	Stack/Vent	SV019	4/1/2025	Null	
		EQUI 252	Null	Miter Saw	is controlled by	TREA 33	100	018-Fabric Filter - Low Temp, T<180 Degrees F	CE013	4/1/2025	Null	
					sends to	STRU 2	100	Stack/Vent	SV019	4/1/2025	Null	
		EQUI 253	Null	Band Saw	is controlled by	TREA 43	100	018-Fabric Filter - Low Temp, T<180 Degrees F	Null	4/1/2025	Null	
					sends to	STRU 73	100	Stack/Vent	Null	4/1/2025	Null	
		EQUI 254	Null	Table Saw	is controlled by	TREA 43	100	018-Fabric Filter - Low Temp, T<180 Degrees F	Null	4/1/2025	Null	
					sends to	STRU 73	100	Stack/Vent	Null	4/1/2025	Null	
		EQUI 257	Null	Miter Saw	is controlled by	TREA 33	100	018-Fabric Filter - Low Temp, T<180 Degrees F	CE013	4/1/2025	Null	
					sends to	STRU 2	100	Stack/Vent	SV019	4/1/2025	Null	
		EQUI 258	Null	Panel Saw	is controlled by	TREA 33	100	018-Fabric Filter - Low Temp, T<180 Degrees F	CE013	4/1/2025	Null	
					sends to	STRU 2	100	Stack/Vent	SV019	4/1/2025	Null	
	Spray Booth/Coating Line	EQUI 84	EU100	Spray Booth Stain 1	is controlled by	TREA 2	100	058-Mat or Panel Filter	CE020	4/12/2012	Null	
					sends to	STRU 23	50	Stack/Vent	SV050	4/12/2012	Null	
						STRU 24	50	Stack/Vent	SV051	4/12/2012	Null	
		EQUI 86	EU102	Spray Booth Seal 1	is controlled by	TREA 4	100	058-Mat or Panel Filter	CE022	4/12/2012	Null	
					sends to	STRU 25	50	Stack/Vent	SV052	4/12/2012	Null	
						STRU 26	50	Stack/Vent	SV053	4/12/2012	Null	
		EQUI 88	EU104	Spray Booth Topcoat 1	is controlled by	TREA 6	100	058-Mat or Panel Filter	CE024	4/12/2012	Null	
					sends to	STRU 27	50	Stack/Vent	SV054	4/12/2012	Null	
						STRU 28	50	Stack/Vent	SV055	4/12/2012	Null	
		EQUI 90	EU106	Spray Booth Stain 2	is controlled by	TREA 8	100	058-Mat or Panel Filter	CE026	4/12/2012	Null	
					sends to	STRU 29	50	Stack/Vent	SV056	4/12/2012	Null	
						STRU 30	50	Stack/Vent	SV057	4/12/2012	Null	
		EQUI 92	EU108	Spray Booth Seal 2	is controlled by	TREA 10	100	058-Mat or Panel Filter	CE028	4/12/2012	Null	
					sends to	STRU 31	50	Stack/Vent	SV058	4/12/2012	Null	
						STRU 32	50	Stack/Vent	SV059	4/12/2012	Null	
		EQUI 94	EU110	Spray Booth Topcoat 2	is controlled by	TREA 12	100	058-Mat or Panel Filter	CE030	12/10/2007	Null	
					sends to	STRU 34	50	Stack/Vent	SV061	4/12/2012	Null	
						STRU 35	50	Stack/Vent	SV062	4/12/2012	Null	
		EQUI 96	EU112	Spray Booth Stain 3	is controlled by	TREA 14	100	058-Mat or Panel Filter	CE032	4/12/2012	Null	
					sends to	STRU 36	100	Stack/Vent	SV063	4/12/2012	Null	
		EQUI 98	EU114	Spray Booth Seal 3	is controlled by	TREA 16	100	058-Mat or Panel Filter	CE034	4/12/2012	Null	
					sends to	STRU 37	100	Stack/Vent	SV064	4/12/2012	Null	
		EQUI 99	EU115	Spray Booth Glaze 3	is controlled by	TREA 17	100	058-Mat or Panel Filter	CE035	12/10/2007	Null	
					sends to	STRU 37	100	Stack/Vent	SV064	4/12/2012	Null	
		EQUI 100	EU116	Spray Booth Topcoat 3	is controlled by	TREA 18	100	058-Mat or Panel Filter	CE036	12/10/2007	Null	

Relationships

AI ID (Name): 432 (acpi Wood Products LLC)
Activity: IND20250001

SI Category	SI Type	Subject Item ID	Delta Designation	Description	Relationship	Related SI ID	% Flow	Related SI Type	Related Delta Designation	Relationship Start Date	Relationship End Date	
Equipment	Spray Booth/Coating Line	EQUI 100	EU116	Spray Booth Topcoat 3	sends to	STRU 39	100	Stack/Vent	SV066	4/12/2012	Null	
		EQUI 204	Null	Flatline 1	is controlled by	TREA 41	100	058-Mat or Panel Filter	CE041	10/1/2016	Null	
					sends to	STRU 69	100	Stack/Vent	SV069	10/1/2016	Null	
		EQUI 205	Null	Flatline 2	is controlled by	TREA 42	100	058-Mat or Panel Filter	CE042	10/1/2016	Null	
					sends to	STRU 70	100	Stack/Vent	SV070	10/1/2016	Null	
Treatment	018-Fabric Filter - Low Temp, T<180 Degrees F	TREA 32	CE012	Fabric Filter - Low Temperature, i.e., T<180 Degrees F	is monitored by	EQUI 10	Null	Parametric Monitor	MR001	4/12/2012	Null	
					sends to	EQUI 7	Null	Data Acquisition System	DA001	4/12/2012	Null	
		TREA 33	CE013	Fabric Filter - Low Temperature, i.e., T<180 Degrees F	is monitored by	EQUI 11	Null	Parametric Monitor	MR002	4/12/2012	Null	
					sends to	EQUI 7	Null	Data Acquisition System	DA001	4/12/2012	Null	

PMs

AI ID (Name): 432 (acpi Wood Products LLC)
Activity: IND20250001

Subject Item ID	Delta Designation	Description	Manufacturer	Model	Serial Number	Parameter Monitored	Bypass Capability? (parametric)	Install Date (parametric)	
EQUI 10	MR001	Pressure Drop	GE Sensing	T40009EDO	11070590	Pressure Drop	No	5/22/2008	
EQUI 11	MR002	Pressure Drop	GE Sensing	T40009EDO	11070591	Pressure Drop	No	5/22/2008	

DAS

AI ID (Name): 432 (acpi Wood Products LLC)
Activity: IND20250001

Subject Item ID	Delta Designation	Description	Manufacturer	Model	Serial Number	Primary or Backup? (DASs)	Install Date (DASs)	
EQUI 7	DA001	Pressure Drop Recorder	DAQ-PRO	5300	724020	Primary	5/22/2008	

Building

AI ID (Name): 432 (acpi Wood Products LLC)
Activity: IND20250001

Subject Item ID	Delta Designation	Description	Height	Units (height)	Length	Units (length)	Width	Units (width)	
STRU 72	Null	Facility Building	22	feet	656	feet	282	feet	

Stack/Vents

AI ID (Name): 432 (acpi Wood Products LLC)
Activity: IND20250001

Subject Item ID	Delta Designation	Description	Stack Height (feet)	Stack Diameter (feet)	Stack Length (feet)	Stack Width (feet)	Stack Flow Rate (cubic ft/min)	Discharge Temperature (°F)	Flow Rate/Temp Information Source	Discharge Direction	
STRU 1	SV018	Carter Day Baghouse	38	Null	3	3.5	35,403	70	Estimate	Upwards with no cap on stack/vent	
STRU 2	SV019	Pneumafil Baghouse	38	Null	3.58	4.67	56,894	70	Estimate	Upwards with no cap on stack/vent	
STRU 23	SV050	Spray Booth Stain 1	32	2.83	Null	Null	8,197	76	Estimate	Upwards with no cap on stack/vent	
STRU 24	SV051	Spray Booth Stain 1	32	2.83	Null	Null	9,956	76	Estimate	Upwards with no cap on stack/vent	
STRU 25	SV052	Spray Booth Seal 1	32	2.83	Null	Null	5,435	81	Estimate	Upwards with no cap on stack/vent	
STRU 26	SV053	Spray Booth Seal 1	32	2.83	Null	Null	6,790	81	Estimate	Upwards with no cap on stack/vent	
STRU 27	SV054	Spray Booth Topcoat 1	32	2.83	Null	Null	10,555	80	Estimate	Upwards with no cap on stack/vent	
STRU 28	SV055	Spray Booth Topcoat 1	32	2.83	Null	Null	6,778	80	Estimate	Upwards with no cap on stack/vent	
STRU 29	SV056	Spray Booth Stain 2	32	2.83	Null	Null	12,944	80	Estimate	Upwards with no cap on stack/vent	
STRU 30	SV057	Spray Booth Stain 2	32	2.83	Null	Null	7,806	80	Estimate	Upwards with no cap on stack/vent	
STRU 31	SV058	Spray Booth Seal 2	32	2.83	Null	Null	8,594	82	Estimate	Upwards with no cap on stack/vent	
STRU 32	SV059	Spray Booth Seal 2	32	2.83	Null	Null	8,997	82	Estimate	Upwards with no cap on stack/vent	
STRU 33	SV060	Spray Booth Glaze 2	32	2.83	Null	Null	15,435	80	Estimate	Upwards with no cap on stack/vent	
STRU 34	SV061	Spray Booth Topcoat 2	32	2.83	Null	Null	9,243	83	Estimate	Upwards with no cap on stack/vent	
STRU 35	SV062	Spray Booth Topcoat 2	32	2.83	Null	Null	6,702	83	Estimate	Upwards with no cap on stack/vent	
STRU 36	SV063	Spray Booth Stain 3	32	3.5	Null	Null	25,813	82	Estimate	Upwards with no cap on stack/vent	
STRU 37	SV064	Spray Booth Seal 3	32	3.51	Null	Null	22,138	77	Estimate	Upwards with no cap on stack/vent	
STRU 38	SV065	Spray Booth Glaze 3	28	2.83	Null	Null	14,710	78	Estimate	Upwards with no cap on stack/vent	
STRU 39	SV066	Spray Booth Topcoat 3	32	3.51	Null	Null	20,310	77	Estimate	Upwards with no cap on stack/vent	
STRU 69	SV069	Flatline 1	32	2.8	Null	Null	7,044	75	Manufacturer	Upwards with no cap on stack/vent	
STRU 70	SV070	Flatline 2	32	2.8	Null	Null	7,044	75	Manufacturer	Upwards with no cap on stack/vent	
STRU 71	SV071	Hot Water Boiler	28	0.67	Null	Null	300	240	Manufacturer	Upwards with a cap on stack/vent	
STRU 73	Null	Pneumafil Baghouse No. 2	20	4	Null	Null	48,000	72	Manufacturer	Upwards with no cap on stack/vent	

Other Controls

AI ID (Name): 432 (acpi Wood Products LLC)
Activity: IND20250001

Subject Item Type	Subject Item ID	Delta Designation	Description	Manufacturer (Model #)	Installation Start Date	Pollutants Controlled	Capture Efficiency (%)	Destruction/ Collect Efficiency (%)	Subject to CAM?	Large or Other PSEU?	Efficiency Basis	Other Basis Explanation	Other operating parameters?	Other operating parameters description	
058-Mat or Panel Filter	TREA 2	CE020	Mat or Panel Filter	Chemco (FMP-18)	8/11/1998	Particulate Matter	100	98	No	Null	Test data	Null	No	Null	
						PM < 2.5 micron	100	98	No	Null	Test data	Null	No	Null	
						PM < 10 micron	100	98	No	Null	Test data	Null	No	Null	
	TREA 4	CE022	Mat or Panel Filter	Chemco (FMP-18)	8/11/1998	Particulate Matter	100	98	No	Null	Test data	Null	No	Null	
						PM < 2.5 micron	100	98	No	Null	Test data	Null	No	Null	
						PM < 10 micron	100	98	No	Null	Test data	Null	No	Null	
	TREA 6	CE024	Mat or Panel Filter	Chemco (FMP-18)	8/11/1998	Particulate Matter	100	98	No	Null	Test data	Null	No	Null	
						PM < 2.5 micron	100	98	No	Null	Test data	Null	No	Null	
						PM < 10 micron	100	98	No	Null	Test data	Null	No	Null	
	TREA 8	CE026	Mat or Panel Filter	Chemco (FMP-18)	8/11/1998	Particulate Matter	100	98	No	Null	Test data	Null	No	Null	
						PM < 2.5 micron	100	98	No	Null	Test data	Null	No	Null	
						PM < 10 micron	100	98	No	Null	Test data	Null	No	Null	
	TREA 10	CE028	Mat or Panel Filter	Chemco (FMP-18)	8/11/1998	Particulate Matter	100	98	No	Null	Test data	Null	No	Null	
						PM < 2.5 micron	100	98	No	Null	Test data	Null	No	Null	
						PM < 10 micron	100	98	No	Null	Test data	Null	No	Null	
	TREA 11	CE029	Mat or Panel Filter	Chemco (FMP-18)	8/11/1998	Particulate Matter	100	98	No	Null	Test data	Null	No	Null	
						PM < 2.5 micron	100	98	No	Null	Test data	Null	No	Null	
						PM < 10 micron	100	98	No	Null	Test data	Null	No	Null	
	TREA 12	CE030	Mat or Panel Filter	Chemco (FMP-18)	8/11/1998	Particulate Matter	100	98	No	Null	Test data	Null	No	Null	

Other Controls

AI ID (Name): 432 (acpi Wood Products LLC)
Activity: IND20250001

Subject Item Type	Subject Item ID	Delta Designation	Description	Manufacturer (Model #)	Installation Start Date	Pollutants Controlled	Capture Efficiency (%)	Destruction/ Collect Efficiency (%)	Subject to CAM?	Large or Other PSEU?	Efficiency Basis	Other Basis Explanation	Other operating parameters?	Other operating parameters description
058-Mat or Panel Filter	TREA 12	CE030	Mat or Panel Filter	Chemco (FMP-18)	8/11/1998	PM < 2.5 micron	100	98	No	Null	Test data	Null	No	Null
						PM < 10 micron	100	98	No	Null	Test data	Null	No	Null
	TREA 14	CE032	Mat or Panel Filter	Chemco (FMP-18)	8/11/1998	Particulate Matter	100	98	No	Null	Test data	Null	No	Null
						PM < 2.5 micron	100	98	No	Null	Test data	Null	No	Null
						PM < 10 micron	100	98	No	Null	Test data	Null	No	Null
	TREA 16	CE034	Mat or Panel Filter	Chemco (FMP-18)	8/11/1998	Particulate Matter	100	98	No	Null	Test data	Null	No	Null
						PM < 2.5 micron	100	98	No	Null	Test data	Null	No	Null
						PM < 10 micron	100	98	No	Null	Test data	Null	No	Null
	TREA 17	CE035	Mat or Panel Filter	Chemco (FMP-18)	8/11/1998	Particulate Matter	100	98	No	Null	Test data	Null	No	Null
						PM < 2.5 micron	100	98	No	Null	Test data	Null	No	Null
						PM < 10 micron	100	98	No	Null	Test data	Null	No	Null
	TREA 18	CE036	Mat or Panel Filter	Chemco (FMP-18)	8/11/1998	Particulate Matter	100	98	No	Null	Test data	Null	No	Null
						PM < 2.5 micron	100	98	No	Null	Test data	Null	No	Null
						PM < 10 micron	100	98	No	Null	Test data	Null	No	Null
	TREA 41	CE041	Panel Filter	Superfici (NA)	10/1/2016	Particulate Matter	100	97.8	No	Null	Control Equipment Rule	Null	No	Null
						PM < 2.5 micron	100	97.8	Yes	Other	Other	Assume same as PM10	No	Null
						PM < 10 micron	100	97.8	Yes	Other	Control Equipment Rule	Null	No	Null
	TREA 42	CE042	Panel Filter	Superfici (NA)	10/1/2016	Particulate Matter	100	97.8	No	Null	Control Equipment Rule	Null	No	Null
						PM < 2.5 micron	100	97.8	Yes	Other	Other	Assume same as PM10	No	Null

Other Controls

AI ID (Name): 432 (acpi Wood Products LLC)
Activity: IND20250001

Subject Item Type	Subject Item ID	Delta Designation	Description	Manufacturer (Model #)	Installation Start Date	Pollutants Controlled	Capture Efficiency (%)	Destruction/ Collect Efficiency (%)	Subject to CAM?	Large or Other PSEU?	Efficiency Basis	Other Basis Explanation	Other operating parameters?	Other operating parameters description
058-Mat or Panel Filter	TREA 42	CE042	Panel Filter	Superfici (NA)	10/1/2016	PM < 10 micron	100	97.8	Yes	Other	Control Equipment Rule	Null	No	Null

Fabric Filters

AI ID (Name): 432 (acpi Wood Products LLC)
Activity: IND20250001

Subject Item Type	Subject Item ID	Delta Designation	Description	Manufacturer (Model #)	Installation Start Date	Pollutants Controlled	Capture Efficiency (%)	Destruction/ Collect Efficiency (%)	Subject to CAM?	Large or Other PSEU?	Efficiency Basis	Other Basis Explanation	Filter Min Pressure Drop (in. of w.c.)	Filter Max Pressure Drop (in. of w.c.)	Bag leak detector in use?	
018-Fabric Filter - Low Temp, T<180 Degrees F	TREA 32	CE012	Fabric Filter - Low Temperature, i.e., T<180 Degrees F	Carter-Day (376 RF 10)	12/11/2007	Particulate Matter	100	99	No	Null	Control Equipment Rule	Null	0.5	4	No	
						PM < 2.5 micron	100	93	Yes	Other	Other	Assumed same as PM10	0.5	4	No	
						PM < 10 micron	100	93	Yes	Other	Control Equipment Rule	Null	0.5	4	No	
	TREA 33	CE013	Fabric Filter - Low Temperature, i.e., T<180 Degrees F	Pneumafil (RAF II 13.5-460)	12/11/2007	Particulate Matter	100	99	No	Null	Control Equipment Rule	Null	0.5	4	No	
						PM < 2.5 micron	100	93	Yes	Other	Other	Assumed same as PM10	0.5	4	No	
						PM < 10 micron	100	93	Yes	Other	Control Equipment Rule	Null	0.5	4	No	
	TREA 43	Null	Fabric Filter	Pneumafil (NA)	2/23/2026	Particulate Matter	100	99	No	Null	Control Equipment Rule	Null	0.5	4	No	
						PM < 2.5 micron	100	93	No	Null	Other	Assume same as PM10	0.5	4	No	
						PM < 10 micron	100	99	No	Null	Control Equipment Rule	Null	0.5	4	No	

SI Id	Sequence	Requirement
TFAC 1	1240	Permit Appendices: This permit contains appendices as listed in the permit Table of Contents. The Permittee shall comply with all requirements contained in Appendices: Appendix A: Insignificant Activities and General Applicable Requirements; Appendix B: 40 CFR pt. 63, subp. JJ - National Emission Standards for Wood Furniture Manufacturing Operations; Appendix C: Maximum VOC Contents; Appendix D: 40 CFR pt. 63, subp. A - General Provisions; and Appendix E: Equipment Authorized to Construct by Permit 01900022-104. [Minn. R. 7007.0800, subp. 2(A) & (B)]
TFAC 1	3120	The Permittee is authorized to construct the following equipment as detailed in Appendix E: EQUI 253 (Band Saw), EQUI 261 (Grinder), EQUI 262 (Grinder), EQUI 263 (Grinder). The construction authorization expires if construction does not commence before March 4, 2027 (18 months after Issuance of Air Emissions Permit No. 01900022-104), if construction is discontinued for a period of 18 months or more, or if construction is not completed within a reasonable time. [Title I Condition: Avoid major modification under 40 CFR 52.21(b)(2) and Minn. R. 7007.3000]
TFAC 1	4130	PM < 10 micron: Computer Dispersion Modeling Protocol: due September 3, 2026. The Permittee must submit a Computer Dispersion Modeling Protocol that is complete and approvable by MPCA by the deadline in this requirement. This protocol will describe the proposed modeling methodology and input data, in accordance with the current version of the MPCA modeling practices manual. [Minn. R. 7007.0800, subp. 2(A) & (B), Minn. R. 7009.0020-7009.0090, Minn. Stat. 116.07, subd. 4a(a)]
TFAC 1	4132	PM < 2.5 micron: Computer Dispersion Modeling Protocol: due September 3, 2026. The Permittee must submit a Computer Dispersion Modeling Protocol that is complete and approvable by MPCA by the deadline in this requirement. This protocol will describe the proposed modeling methodology and input data, in accordance with the current version of the MPCA modeling practices manual. [Minn. R. 7007.0800, subp. 2(A) & (B), Minn. R. 7009.0020-7009.0090, Minn. Stat. 116.07, subd. 4a(a)]
TFAC 1	4140	PM < 2.5 micron: Computer Dispersion Modeling Protocol: due 60 days after receipt of written MPCA request for revisions to the submitted protocol for PM2.5 modeling. [Minn. R. 7007.0800, subp. 2(A) & (B), Minn. R. 7009.0020-7009.0090, Minn. Stat. 116.07, subd. 4a(a)]
TFAC 1	4145	PM < 10 micron: Computer Dispersion Modeling Protocol: due 60 days after receipt of written MPCA request for revisions to the submitted protocol for PM10 modeling. [Minn. R. 7007.0800, subp. 2(A) & (B), Minn. R. 7009.0020-7009.0090, Minn. Stat. 116.07, subd. 4a(a)]
TFAC 1	4150	PM < 2.5 micron: Computer Dispersion Modeling Results: due March 4, 2027. After receipt of written MPCA approval of Computer Dispersion Modeling Protocol for PM2.5, the Permittee must submit a final Computer Dispersion Modeling Report that is complete and approvable by MPCA by the deadline in this requirement. The submittal must adhere to the current version of the MPCA modeling practices manual and the approved Computer Dispersion Modeling Protocol. [Minn. R. 7007.0800, subp. 2(A) & (B), Minn. R. 7009.0020-7009.0090, Minn. Stat. 116.07, subd. 4a(a)]
TFAC 1	4155	PM < 10 micron: Computer Dispersion Modeling Results: due March 4, 2027. After receipt of written MPCA approval of Computer Dispersion Modeling Protocol for PM10, the Permittee must submit a final Computer Dispersion Modeling Report that is complete and approvable by MPCA by the deadline in this requirement. The submittal must adhere to the current version of the MPCA modeling practices manual and the approved Computer Dispersion Modeling Protocol. [Minn. R. 7007.0800, subp. 2(A) & (B), Minn. R. 7009.0020-7009.0090, Minn. Stat. 116.07, subd. 4a(a)]
TFAC 1	4160	PM <10 micron and PM< 2.5 micron: This permit requires modeling to demonstrate compliance with the National Ambient Air Quality Standards (NAAQS). The Permittee may not make any change at the source that would result in an increase in PM10/PM2.5 emissions until it can be demonstrated that emissions from the facility as permitted do not cause an exceedance of the NAAQS. This includes changes that might otherwise qualify as insignificant modifications and minor or moderate amendments. [Minn. R. 7007.0800, subp. 2(A) & (B), Minn. R. 7009.0020-7009.0090, Minn. Stat. 116.07, subd. 4a(a)]
TFAC 1	7400	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]

SI Id	Sequence	Requirement
TFAC 1	7420	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)]
TFAC 1	7450	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)]
TFAC 1	7540	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]
TFAC 1	7550	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)]
TFAC 1	7560	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)]
TFAC 1	7570	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]
TFAC 1	7580	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]
TFAC 1	7590	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]
TFAC 1	7600	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)]
TFAC 1	7610	The Permittee shall comply with the General Conditions listed in Minn. R. 7007.0800, subp. 16. [Minn. R. 7007.0800, subp. 16]
TFAC 1	7620	Performance Testing: Conduct all performance tests in accordance with Minn. R. ch. 7017 unless otherwise noted in this permit. [Minn. R. ch. 7017]
TFAC 1	7630	Performance Test Notifications and Submittals: Performance Test Notification and Plan: due 30 days before each Performance Test Performance Test Pre-test Meeting: due seven days before each Performance Test Performance Test Report: due 45 days after each Performance Test The Notification, Test Plan, and Test Report must be submitted in a format specified by the commissioner. [Minn. R. 7017.2017, Minn. R. 7017.2030, subps. 1-4, Minn. R. 7017.2035, subps. 1-2]

SI Id	Sequence	Requirement
TFAC 1	7640	Limits set as a result of a performance test (conducted before or after permit issuance) apply until superseded as stated in the MPCA's follow up 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]
TFAC 1	7650	Monitoring Equipment Calibration - The Permittee shall either: 1. Calibrate or replace required monitoring equipment every 12 months; or 2. Calibrate at the frequency stated in the manufacturer's specifications. 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)]
TFAC 1	7660	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)]
TFAC 1	7670	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 permit. Records must conform to the requirements listed in Minn. R. 7007.0800, subp. 5(A). [Minn. R. 7007.0800, subp. 5(C)]
TFAC 1	7680	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)]
TFAC 1	7690	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]
TFAC 1	7700	These following 40 CFR 52.21(r)(6) requirements apply if a reasonable possibility (RP) as defined in 40 CFR 52.21(r)(6)(vi) exists that a proposed project, analyzed using the actual-to-projected-actual (ATPA) test (either by itself or as part of the hybrid test at 40 CFR 52.21(a)(2)(iv)(f)) and found to not be part of a major modification, may result in a significant emissions increase (SEI). If the ATPA test is not used for the project, or if there is no RP that the proposed project could result in a SEI, these requirements do not apply to that project. The Permittee is only subject to the Preconstruction Documentation requirement for a project where a RP occurs only within the meaning of 40 CFR 52.21(r)(6)(vi)(b). Even though a particular modification is not subject to New Source Review (NSR), or where there isn't a RP that a proposed project could result in a SEI, a permit amendment, recordkeeping, or notification may still be required by Minn. R. 7007.1150 - 7007.1500. [Minn. R. 7007.0800, subp. 2(A), Title I Condition: 40 CFR 52.21(r)(6) and Minn. R. 7007.3000]

SI Id	Sequence	Requirement
TFAC 1	7710	Preconstruction Documentation -- Before beginning actual construction on a project, the Permittee shall document the following: 1. Project description 2. Identification of any emission unit whose emissions of an NSR pollutant could be affected 3. Pre-change potential emissions of any affected existing emission unit, and the projected post-change potential emissions of any affected existing or new emission unit. 4. A description of the applicability test used to determine that the project is not a major modification for any regulated NSR pollutant, including the baseline actual emissions, the projected actual emissions, the amount of emissions excluded due to increases not associated with the modification and that the emission unit could have accommodated during the baseline period, an explanation of why the amounts were excluded, and any creditable contemporaneous increases and decreases that were considered in the determination. The Permittee shall maintain records of this documentation. [Minn. R. 7007.0800, subps. 4-5, Minn. R. 7007.1200, subp. 4, Title I Condition: 40 CFR 52.21(r)(6) and Minn. R. 7007.3000]
TFAC 1	7720	Post-change Emissions - The Permittee shall monitor the actual emissions of any regulated NSR pollutant that could increase as a result of the project and that were analyzed using the ATPA test, and the potential emissions of any regulated NSR pollutant that could increase as a result of the project and that were analyzed using potential emissions in the hybrid test. The Permittee shall calculate and maintain a record of the sum of the actual and potential (if the hybrid test was used in the analysis) emissions of the regulated pollutant, in tons per year on a calendar year basis, for a period of five years following resumption of regular operations after the change, or for a period of 10 years following resumption of regular operations after the change if the project increases the design capacity of or potential to emit of any unit associated with the project. [Minn. R. 7007.0800, subps. 4-5, Title I Condition: 40 CFR 52.21(r)(6) and Minn. R. 7007.3000]
TFAC 1	7730	The Permittee must submit a report to the Agency if the annual summed (actual, plus potential if used in hybrid test) emissions differ from the preconstruction projection and exceed the baseline actual emissions by a significant amount as listed at 40 CFR 52.21(b)(23). Such report shall be submitted to the Agency within 60 days after the end of the year in which the exceedances occur. The report shall contain: a. The name and ID number of the Facility, and the name and telephone number of the Facility contact person; b. The annual emissions identified in the Post-change Emissions requirement (above); and c. Any other information, such as an explanation as to why the summed emissions differ from the preconstruction projection. [Minn. R. 7007.0800, subps. 4-5, Title I Condition: 40 CFR 52.21(r)(6) and Minn. R. 7007.3000]
TFAC 1	7740	Before beginning actual construction of any project which includes any electric utility steam generating unit (EUSGU), the Permittee shall submit a copy of the preconstruction documentation (items 1-4 under Preconstruction Documentation, above) to the Agency. [Minn. R. 7007.0800, subps. 4-5, Title I Condition: 40 CFR 52.21(r)(6)(ii) and Minn. R. 7007.3000]
TFAC 1	7750	For any project which includes any EUSGU, the Permittee must submit an annual report to the Agency, within 60 days after the end of each calendar year during which records must be generated as described in the Post-change Emissions requirement in this permit. The report shall contain: a. The name and ID number of the facility, and the name and telephone number of the facility contact person; b. The annual emissions identified in the Post-change Emissions requirement (above); and c. Any other information, such as an explanation as to why the summed emissions differ from the preconstruction projection, if that is the case. For any project which does not include any EUSGU, the Permittee must submit a report to the Agency if the annual summed (actual, plus potential used in hybrid test) emissions differ from the preconstruction projection and exceed the baseline actual emissions by a significant amount as listed at 40 CFR 52.21(b)(23). Such report shall be submitted to the Agency within 60 days after the end of the year in which the exceedances occur. The report shall contain: a. The name and ID number of the facility, and the name and telephone number of the facility contact person; b. The annual emissions identified in the Post-change Emissions requirement (above); and c. Any other information, such as an explanation as to why the summed emissions differ from the preconstruction projection. [Minn. R. 7007.0800, subps. 4-5, Title I Condition: 40 CFR 52.21(r)(6) and Minn. R. 7007.3000]

SI Id	Sequence	Requirement
TFAC 1	7770	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. 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]
TFAC 1	7780	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. 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]
TFAC 1	7790	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]
TFAC 1	7800	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: 1. the cause of the deviation; 2. the exact dates of the period of the deviation, if the deviation has been corrected; 3. whether or not the deviation has been corrected; 4. the anticipated time by which the deviation is expected to be corrected, if not yet corrected; and 5. steps taken or planned to reduce, eliminate, and prevent reoccurrence of the deviation. [Minn. R. 7019.1000, subp. 1]
TFAC 1	7810	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)]
TFAC 1	7830	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. 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]
TFAC 1	7840	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)]
TFAC 1	7860	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)]

SI Id	Sequence	Requirement
TFAC 1	7870	Within 15 days of a request from the Commissioner, the Permittee must provide a complete summary of all performance tests required at the facility including the subject item, pollutant, most recent test date (if applicable), and the date of the next test in an approved format. [Minn. R. 7007.0800, subp. 16(L)]
TFAC 1	7880	The Permittee shall submit an application for permit reissuance : Due 180 calendar days before Permit Expiration Date. [Minn. R. 7007.0400, subp. 2]
TFAC 1	7900	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]
TFAC 1	7910	Emission Fees: due 30 days after receipt of an MPCA bill. [Minn. R. 7002.0005-7002.0085]
COMG 1	5	HAPs - Volatile <= 0.80 kilograms per kilograms (kg VHAP/kg solids) average content (E) of all finishing materials, including but not limited to, stains, basecoats, washcoats, enamels, sealers and topcoats, as applied. E shall be calculated using the equation given in this permit. [40 CFR 63.802(b)(1), 40 CFR pt. 63, subp. JJ (Table 3), Minn. R. 7011.7340]
COMG 1	10	HAPs - Volatile <= 0.20 kilograms per kilograms (kg VHAP/kg solids) for each contact adhesive as applied. This limit does not apply to aerosol adhesives and contact adhesives applied to nonporous substrates. [40 CFR 63.802(b)(2), 40 CFR 63.804(e), 40 CFR pt. 63, subp. JJ (Table 3), Minn. R. 7011.7340]
COMG 1	15	HAPs - Volatile <= 0.80 kilograms per kilograms (kg VOC/kg solids) for each strippable spray booth coating, as applied. [40 CFR 63.802(b)(3), 40 CFR pt. 63, subp. JJ (Table 3), Minn. R. 7011.7340]
COMG 1	20	The Permittee shall limit formaldehyde emissions by using coatings and contact adhesives only if they are low formaldehyde coatings and adhesives, as defined in 40 CFR 63.801(a) and Table 3 of 40 CFR pt. 63, subp. JJ, in any wood furniture manufacturing operations. [40 CFR 63.802(b)(4)(ii), 40 CFR pt. 63, subp. JJ (Table 3), Minn. R. 7011.7340]
COMG 1	13070	The Permittee must comply with all applicable requirements of 40 CFR pt. 63, subp. JJ as follows: 40 CFR 63.800(a); 40 CFR 63.800(e); 40 CFR 63.800(h); 40 CFR 63.801; 40 CFR 63.802(b); 40 CFR 63.802(b)(1)-(3); 40 CFR 63.802(b)(4)(ii); 40 CFR 63.802(c); 40 CFR 63.803; 40 CFR 63.804(d)(1); 40 CFR 63.804(e)(1); 40 CFR 63.804(f)(1); 40 CFR 63.804(f)(5); 40 CFR 63.804(f)(7);
		40 CFR 63.804(f)(8); 40 CFR 63.804(g)(1); 40 CFR 63.804(g)(5); 40 CFR 63.804(g)(7)-(g)(9); 40 CFR 63.804(h)(3); 40 CFR 63.805(a); 40 CFR 63.806(a)-(c); 40 CFR 63.806(e); 40 CFR 63.806(h)-(k); 40 CFR 63.807(a)-(c); 40 CFR 63.807(e); and 40 CFR pt. 63, subp. JJ, Tables 1-6. A copy of 40 CFR pt. 63, subp. JJ is included in Appendix B. If the standard changes or upon adoption of a new or amended federal applicable requirement, and if there are more than three 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. [40 CFR pt. 63, subp. JJ, Minn. R. 7007.0400, subp. 3, Minn. R. 7007.1150-7007.1500, Minn. R. 7011.7340]

SI Id	Sequence	Requirement
COMG 1	13150	The Permittee shall submit a compliance status report: Due semiannually, by the 30th of January and July. The Semiannual Compliance Status Report shall contain the information specified in 40 CFR 63.807(c)(3). [40 CFR 63.807(c), Minn. R. 7011.7340]
COMG 1	35780	The Permittee must comply with all applicable requirements of 40 CFR pt. 63, subp. A as follows: 40 CFR 63.1(a); 40 CFR 63.1(b)(3); 40 CFR 63.1(c)(5); 40 CFR 63.1(c)(6); 40 CFR 63.1(e); 40 CFR 63.2; 40 CFR 63.3; 40 CFR 63.4(a); 40 CFR 63.4(c); 40 CFR 63.5(a); 40 CFR 63.5(b); 40 CFR 63.5(d); 40 CFR 63.5(e); 40 CFR 63.5(f);
		40 CFR 63.6(a)(1); 40 CFR 63.6(a)(2); 40 CFR 63.6(b)(1)-(7); 40 CFR 63.6(c)(1); 40 CFR 63.6(c)(5); 40 CFR 63.6(e)(1)(iii); 40 CFR 63.6(f)(2)-(3); 40 CFR 63.6(g); 40 CFR 63.6(i)(1)-(i)(3); 40 CFR 63.6(i)(4)(i); 40 CFR 63.6(i)(5)-(i)(14); 40 CFR 63.6(i)(16); 40 CFR 63.6(j); 40 CFR 63.7(a)-(d); 40 CFR 63.7(d); 40 CFR 63.7(e)(2)-(e)(4); 40 CFR 63.8(a)-(b); 40 CFR 63.8(c)(1)(ii);

SI Id	Sequence	Requirement
		40 CFR 63.8(c)(2)-(d)(2); 40 CFR 63.8(d)(3); except for last sentence 40 CFR 63.8(e)-(g); 40 CFR 63.9(b)-(e); 40 CFR 63.9(g); 40 CFR 63.9(h)-(j); 40 CFR 63.9(k); 40 CFR 63.10(a); 40 CFR 63.10(b)(1); 40 CFR 63.10(b)(2)(iii); 40 CFR 63.10(b)(2)(vi)-(b)(2)(xiv); 40 CFR 63.10(b)(3); 40 CFR 63.10(c)(1)-(9); 40 CFR 63.10(c)(12)-(14); 40 CFR 63.10(d)(1)-(2); 40 CFR 63.10(d)(2); 40 CFR 63.10(d)(4); 40 CFR 63.10(e); 40 CFR 63.10(f); and 40 CFR 63.12-15; A copy of 40 CFR pt. 63, subp. A is included in Appendix D. If the standard changes or upon adoption of a new or amended federal applicable requirement, and if there are more than three 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. [40 CFR pt. 63, subp. A, 40 CFR pt. 63, subp. JJ(Table 1), Minn. R. 7007.0400, subp. 3, Minn. R. 7007.1150-7007.1500, Minn. R. 7011.0050, subp. 1(B), Minn. R. 7011.7340, Minn. R. 7017.1010 & 7017.2015, subp. 3, Minn. R. 7019.0100]
COMG 2	1	The Permittee must limit emissions of Volatile Organic Compounds <= 240 tons per year 12-accounting period to be calculated as described later in this permit. VOC contents for each VOC-containing material must be determined as described under the Material Content requirement of this permit. All non-combustion VOC-emitting equipment at the facility, except for subject items listed in COMG 8 is subject to this limit and must be included in the 12-accounting period rolling sum calculation (e.g., coating, cleaning, etc.). [Minn. R. 7007.3000, 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]
COMG 2	2	Particulate Matter <= 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 limit applies separately to each subject item listed in COMG 2. [Minn. R. 7011.0715, subp. 1(A)]
COMG 2	7	Opacity <= 20 percent opacity. This limit applies separately to each subject item listed in COMG 2. [Minn. R. 7011.0715, subp. 1(B)]
COMG 2	9	The Permittee must vent emissions from all subject item in COMG 2 to control equipment meeting the requirements of COMG 3 whenever any subject item in COMG 2 operates. [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]
COMG 2	14	Solids Content: The Permittee must use coatings that have less than or equal to the solids pounds/gallon listed at each booth in this permit. [Minn. R. 7007.0800, subp. 2(A) & (B), Minn. R. 7009.0020-7009.0090, Minn. Stat. 116.07, subd. 4a(a)]

SI Id	Sequence	Requirement
COMG 2	15	Spray Gun Restrictions: 1. A maximum of two spray guns must be operated at a time, per spray booth, for each of COMG 2's spray booths. 2. All spray gun capacities must meet the maximum capacity limits listed at each EQUI for the specified booth. 3. All spray guns must have a transfer efficiency equal to or better than airless technology (75% minimum manufacturer specified transfer efficiency). [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]
COMG 2	18	All painting at the Facility, other than those spray booths listed in COMG 2, must be conducted in a building that meets the following requirements: 1. All air vented from the building must be sent through air pollution control equipment meeting the requirements of COMG 3; and 2. All doors and windows leading to the outside air must be kept closed when the painting equipment is in operation. [Minn. R. 7007.0800, subp. 2(A) & (B), Minn. R. 7009.0020-7009.0090, Minn. Stat. 116.07, subd. 4a(a), 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)]
COMG 2	21	Volatile Organic Compounds: Daily Recordkeeping. On each day of operation, the Permittee must calculate, record, and maintain a record of daily total of all VOC dispensed at operations covered by COMG 2, in gallons, based on purchase records and Material Content data. This must be based on usage logs. [Minn. R. 7007.0800, subps. 4-5, 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]
COMG 2	3855	Solids Content: Recordkeeping. The Permittee must calculate and record the solids content, as applied, in pounds per gallon, of each coating applied at each spray booth in COMG 2. The list must be updated any time a new coating mixture is added. [Minn. R. 7007.0800, subp. 2(A) & (B), Minn. R. 7009.0020-7009.0090, Minn. Stat. 116.07, subd. 4a(a)]
COMG 2	3855	Recordkeeping for Spray Guns: The Permittee must maintain on-going records for each spray gun that includes the spray technology and manufacturer specified transfer efficiency (minimum of 75%), the spray capacity in gallons per hour, and the subject item ID number of the spray booth where the gun will be used. This record must be updated any time a spray gun is added or replaced. [Minn. R. 7007.0800, subps. 4-5, 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)]
COMG 2	3860	Signage and Inspection of Building Openings: The Permittee must post signs on all non-alarmed doors and windows leading to the outside from the painting building that state that the doors and windows must remain closed while the paint booths are in use. The signs must be in at least both English and Spanish. The Permittee must conduct inspections at least once each calendar week, while the paint booths are in use, to determine if the doors and windows are closed as required by this permit. The Permittee must maintain a written record of the inspections and any corrective action taken. [Minn. R. 7007.0800, subps. 4-5]
COMG 2	4040	The Permittee must submit an annual report by the 31st of January. The report must document the VOC 12-accounting period 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)]
COMG 2	4050	Volatile Organic Compounds: Accounting Period Recordkeeping. By the 15th day of the accounting period, the Permittee shall calculate and record the following: 1) The total usage of each VOC-containing material for the previous accounting period using the daily usage records for the previous accounting period. This record shall also include the VOC and solids contents of each material as determined by the Material Content requirement of this permit; 2) The total VOC shipped in waste for the previous accounting period, using the records specified in this permit; 3) The VOC emissions for the previous accounting period using the formulas specified in this permit; and 4) The 12-accounting period rolling sum VOC emissions for the previous 12 accounting periods by summing the VOC emissions data for the previous 12 periods. [Minn. R. 7007.0800, subps. 4-5]

SI Id	Sequence	Requirement
COMG 2	4050	Material Content Records: The Permittee must keep a current copy of information provided by materials suppliers or manufacturers for each VOC-containing material used. This includes MSDSs, CPDSs, Certificates of Analysis (COAs), and test data used to determine the solids and VOC content and density for each VOC-containing material. If the Permittee conducted testing to determine the pollutant content or density, the Permittee must keep a copy of the complete test report. If information was used that was provided by the manufacturer or supplier of the material that was based on testing, the Permittee must keep the COA provided by the manufacturer or supplier. The Permittee is not required to obtain the test report or other supporting documentation from the manufacturer or supplier. [Minn. R. 7007.0800, subps. 4-5]
COMG 2	4051	Volatile Organic Compounds: Volatile Organic Compounds: Accounting Period Calculations. The Permittee shall calculate VOC emissions using the following equations: VOC (tons/month) = V - W V = ((A1 x D1 x B1) + (A2 x D2 x B2) + (A3 x D3 x B3) + ...)/2000. W = (C1 x F1) + (C2 x F2) + (C3 x F3) + ... where: V = total VOC used in tons/accounting period; A# = amount of each VOC-containing material used, in gallons/accounting period; D# = the density of A#; B# = weight percent VOC in A#, as a fraction; W = the amount of VOC shipped in waste from operations covered by COMG 2, in tons/accounting period; C# = amount, in tons/accounting period, of each VOC-containing waste material shipped. If the Permittee chooses to not take credit for waste shipments, this parameter would be zero; and F# = weight percent of VOC in C#, as a fraction. [Minn. R. 7007.0800, subps. 4-5]
COMG 2	4060	Material Content of Waste: The Permittee must determine the VOC content of waste materials as specified in the Waste Sampling requirements of this permit. The content data for each waste stream shall be used in calculations required by this permit for all relevant shipments in the calendar half year following the sample analysis. For example, sample results from January shall be used for all waste relevant shipments in February to June. [Minn. R. 7007.0800, subps. 4-5]
COMG 2	4060	Waste Sampling: The Permittee or the company receiving the waste must analyze a sample of each of the three waste streams (solvent, paint, solids) from COMG 2 using an EPA or ASTM reference method, a gas chromatograph, or other method approved by the Commissioner, to determine the weight content of VOC at least once per calendar half year or more frequently based on Permittee's discretion. The Permittee shall keep copies of all test reports for each waste stream. [Minn. R. 7007.0800, subps. 4-5]
COMG 2	4060	Material Content. VOC, HAPs, and Solids (PM, PM<10 microns, and PM<2.5 microns) contents in coating materials must be determined by the Safety Data Sheet (SDS), the Material Safety Data Sheet (MSDS), or CPDS provided by the supplier for each material used. If a material content range is given on the SDS, the MSDS, or the CDPS, the highest number in the range must be used in all compliance calculations. If information is provided in the Regulatory Section of the SDS, the highest number in the range of that section may be used. When using the MSDS as the basis of calculating particulate emissions, the conservative assumption is made that PM consists entirely of PM less than 10 microns or less than 2.5 microns. 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]
COMG 2	19650	Definition of Accounting Period: The VOC limit is based on 12 accounting periods in a calendar year. These periods can vary from three to five weeks each. The Permittee determines the number of weeks in each accounting period prior to the beginning of the calendar year. The determination of how many weeks are in each accounting period, including starting and ending dates, shall be included in the Annual Report that is due January 30th of each year. [Minn. R. 7007.0800, subp. 2(A)]
COMG 3	1	The requirements of COMG 3 apply separately to each panel filter. [Minn. R. 7007.0800, subp. 2(A)]

SI Id	Sequence	Requirement
COMG 3	17610	The Permittee must vent emissions from the spray booths in COMG 2 to panel filters meeting the requirements of COMG 3 whenever a given spray booth operates and operate and maintain each panel filter at all times that any emissions are vented to it. The Permittee must document periods of non-operation of the panel filters whenever the given spray booth is operating. [Minn. R. 7007.0800, subp. 2(A) & (B), Minn. R. 7009.0020-7009.0090, Minn. Stat. 116.07, subd. 4a(a), 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]
COMG 3	17615	If the Permittee replaces any subject item in COMG 3, the replacement control must meet or exceed the control efficiency requirements of COMG 3 as well as comply with all other requirements of COMG 3. Prior to making such a change, the Permittee must apply for and obtain the appropriate permit amendment, as applicable. If no amendment is needed for the replacement, the Permittee must submit an electronic notice to the Agency using Form CR-05. The notice must be received by the Agency seven working days prior to the commencement/start of replacement. [Minn. R. 7007.0800, subp. 2(A) & (B), Minn. R. 7009.0020-7009.0090, Minn. Stat. 116.07, subd. 4a(a), 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]
COMG 3	17620	The Permittee must use a 2-ply panel filter or 2 single ply filters in series to achieve a combined control efficiency as required by this permit. [Minn. R. 7007.0800, subp. 2(A) & (B), Minn. R. 7009.0020-7009.0090, Minn. Stat. 116.07, subd. 4a(a), 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]
COMG 3	18640	The Permittee must operate and maintain control equipment such that it achieves a control efficiency for Particulate Matter >= 98.0 percent control efficiency. [Minn. R. 7007.0800, subp. 2(A) & (B), Minn. R. 7009.0020-7009.0090, Minn. Stat. 116.07, subd. 4a(a), 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]
COMG 3	18650	The Permittee must operate and maintain control equipment such that it achieves a control efficiency for PM < 10 micron >= 98.0 percent control efficiency. [Minn. R. 7007.0800, subp. 2(A) & (B), Minn. R. 7009.0020-7009.0090, Minn. Stat. 116.07, subd. 4a(a), 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]
COMG 3	18660	The Permittee must operate and maintain control equipment such that it achieves a control efficiency for PM < 2.5 micron >= 98.0 percent control efficiency. [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]
COMG 3	18670	The Permittee must operate and maintain the panel filter in accordance with the Operation and Maintenance (O & M) Plan. The Permittee must keep copies of the O & M Plan available onsite for use by staff and MPCA staff. [Minn. R. 7007.0800, subp. 14]
COMG 3	18680	Daily Inspections: Once each operating day, the Permittee must visually inspect the condition of each panel filter with respect to alignment, saturation, tears, holes and any other condition that may affect the filter's performance. The Permittee must maintain a daily written record of filter inspections. [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]
COMG 3	18690	Periodic Inspections: At least once per calendar quarter, or more frequently as required by the manufacturer's specifications, the Permittee must inspect the control equipment components. The Permittee must maintain a written record of these inspections. [Minn. R. 7007.0800, subp. 14, Minn. R. 7007.0800, subp. 4, Minn. R. 7007.0800, subp. 5]
COMG 3	18700	Corrective Actions: If the filters or any of their components are found during the inspections to need repair, the Permittee must take corrective action as soon as possible. Corrective actions must 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 must keep a record of the type and date of any corrective action taken for each filter. [Minn. R. 7007.0800, subp. 14, Minn. R. 7007.0800, subp. 2(A), Minn. R. 7007.0800, subp. 5]

SI Id	Sequence	Requirement
COMG 3	20020	PM < 10 micron: The Permittee shall conduct a performance test due before 4/9/2031 and every 60 months thereafter to measure control efficiency using a 2-ply filter at STRU 36. The first test is due by the date specified above and all subsequent tests shall be completed every 60 months thereafter by the due date (month and day) and as described below. The performance test shall be conducted at worst-case conditions defined at Minn. R. 7017.2005, subp. 8 or at the operating conditions described at Minn. R. 7017.2025, subp. 2, using EPA Reference Methods 201A and 202, or other method approved by MPCA in the performance test plan approval. Testing conducted during the 60 days prior to the performance test due date will not reset the test due date for future testing as required by this permit or within a follow up compliance letter. Testing conducted more than 60 days prior to the performance test due date satisfies this test due date requirement but will reset future performance test due dates based on the performance test date. [Minn. R. 7007.0800, subp. 2(A) & (B), Minn. R. 7009.0020-7009.0090, Minn. R. 7017.2020, subp. 1, Minn. Stat. 116.07, subd. 4a(a), 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]
COMG 3	20030	PM < 2.5 micron: The Permittee shall conduct a performance test due before 4/9/2031 and every 60 months thereafter to measure control efficiency using a 2-ply filter at STRU 36. The first test is due by the date specified above and all subsequent tests shall be completed every 60 months thereafter by the due date (month and day) and as described below. The performance test shall be conducted at worst-case conditions defined at Minn. R. 7017.2005, subp. 8 or at the operating conditions described at Minn. R. 7017.2025, subp. 2, using EPA Reference Methods 201A and 202, or other method approved by MPCA in the performance test plan approval. Testing conducted during the 60 days prior to the performance test due date will not reset the test due date for future testing as required by this permit or within a follow up compliance letter. Testing conducted more than 60 days prior to the performance test due date satisfies this test due date requirement but will reset future performance test due dates based on the performance test date. [Minn. R. 7007.0800, subp. 2(A) & (B), Minn. R. 7009.0020-7009.0090, Minn. R. 7017.2020, subp. 1, Minn. Stat. 116.07, subd. 4a(a), 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]
COMG 3	20040	Particulate Matter: The Permittee shall conduct a performance test due before 4/9/2031 and every 60 months thereafter to measure control efficiency using a 2-ply filter at STRU 36. The first test is due by the date specified above and all subsequent tests shall be completed every 60 months thereafter by the due date (month and day) and as described below. The performance test shall be conducted at worst-case conditions defined at Minn. R. 7017.2005, subp. 8 or at the operating conditions described at Minn. R. 7017.2025, subp. 2, using EPA Reference Methods 5 and 202, or other method approved by MPCA in the performance test plan approval. Testing conducted during the 60 days prior to the performance test due date will not reset the test due date for future testing as required by this permit or within a follow up compliance letter. Testing conducted more than 60 days prior to the performance test due date satisfies this test due date requirement but will reset future performance test due dates based on the performance test date. [Minn. R. 7007.0800, subp. 2(A) & (B), Minn. R. 7009.0020-7009.0090, Minn. R. 7017.2020, subp. 1, Minn. Stat. 116.07, subd. 4a(a), 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]
COMG 4	3570	Filterable Particulate Matter <= 0.40 pounds per million Btu heat input. The potential to emit from the unit is 0.0072 lb/MMBtu due to equipment design and allowable fuels. This limit applies separately to each subject item in COMG 4. [Minn. R. 7011.0515, subp. 1]

SI Id	Sequence	Requirement
COMG 4	3580	Opacity <= 20 percent opacity except for one six-minute period per hour of not more than 60 percent opacity. This limit applies separately to each subject item in COMG 4. [Minn. R. 7011.0515, subp. 2]
COMG 4	3632	Fuel type: Natural gas only, by design. [Minn. R. 7005.0100, subp. 35a]
COMG 5	1	Unless otherwise noted, the requirements of COMG 5 apply separately to each subject item in COMG 5. [Minn. R. 7007.0800, subp. 2(A)]
COMG 5	3	The Permittee must limit emissions of Particulate Matter <= 0.0055 grains per dry standard cubic foot. This limit applies separately to each wood working unit at the Facility and to all wood working as a group. [Title I Condition: Avoid major modification under 40 CFR 52.21(b)(2) and Minn. R. 7007.3000]
COMG 5	5	The Permittee must limit emissions of PM < 10 micron <= 0.0055 grains per dry standard cubic foot. This limit applies separately to each wood working unit at the Facility and to all wood working as a group. [Title I Condition: Avoid major modification under 40 CFR 52.21(b)(2) and Minn. R. 7007.3000]
COMG 5	6	The Permittee must limit emissions of PM < 2.5 micron <= 0.0055 grains per dry standard cubic foot. This limit applies separately to each wood working unit at the Facility and to all wood working as a group. [Title I Condition: Avoid major modification under 40 CFR 52.21(b)(2) and Minn. R. 7007.3000]
COMG 5	10	The Permittee must limit Operating Hours <= 20 hours per day daily maximum. This limit applies separately to each piece of wood working equipment at the Facility. [Minn. R. 7007.0800, subd. 2(A) & (B), Minn. R. 7009.0020-7009.0090, Minn. Stat. 116.07, subd. 4a(a), Title I Condition: Avoid major modification under 40 CFR 52.21(b)(2) and Minn. R. 7007.3000]
COMG 5	18	Opacity <= 20 percent opacity. This limit applies separately to each subject item in COMG 5. [Minn. R. 7011.0715, subp. 1(B)]
COMG 5	20	Particulate Matter <= 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 limit applies separately to each pieces of wood working equipment at the Facility. [Minn. R. 7011.0715, subp. 1(A)]
COMG 5	25	The Permittee shall vent emissions from all wood working unit at the Facility, other than those that qualify as insignificant under Minn. R. 7007.1300, subp. 3, including existing, modified, or new wood working unit, to control equipment meeting the permit requirements for either TREA 32, TREA 33, or TREA 43 whenever the wood working units operate. [Title I Condition: Avoid major modification under 40 CFR 52.21(b)(2) and Minn. R. 7007.3000]
COMG 5	3690	If the Permittee replaces any existing wood working units, adds new wood working units, or modifies the wood working units listed in COMG 5, other than those that qualify as insignificant activities under Minn. R. 7007.1300, subp. 3, such equipment is subject to all of the requirements of COMG 5. Prior to making such a change, the Permittee shall apply for and obtain the appropriate permit amendment, as applicable. [Title I Condition: Avoid major modification under 40 CFR 52.21(b)(2) and Minn. R. 7007.3000]
COMG 5	3691	Operating Hours: Daily Recordkeeping. On each day of operation, the Permittee must calculate, record, and maintain a record of the total hours of operation for each subject item in COMG 5. This must be based on written logs. [Minn. R. 7007.0800, subp. 2(A) & (B), Minn. R. 7007.0800, subps. 4-5, Minn. R. 7009.0020-7009.0090, Minn. Stat. 116.07, subd. 4a(a), Title I Condition: Avoid major modification under 40 CFR 52.21(b)(2) and Minn. R. 7007.3000]
COMG 5	3840	All wood milling at the Facility must be conducted in a building that meets the following requirements: 1. All air vented from the wood milling building must be sent through air pollution control equipment meeting the requirements of TREA 32, TREA 33, or TREA 43; and 2. Each door and window in the wood milling building leading to the outside air must either: a) be kept closed when any wood milling equipment is in operation (Option A); or b) have an air curtain that meets all the requirements listed in this permit under Air Curtain Requirements (Option B). [Minn. R. 7011.0060, subp. 5, Title I Condition: Avoid major modification under 40 CFR 52.21(b)(2) and Minn. R. 7007.3000]
COMG 5	4170	If the Permittee replaces any existing wood working units, adds new wood working units, or modifies the wood working units listed in COMG 5, other than those that qualify as insignificant under Minn. R. 7007.1300, subp. 2, such equipment is subject to all of the requirements of COMG 5. Prior to making such a change, the Permittee must apply for and obtain the appropriate permit amendment, as applicable. [Title I Condition: Avoid major modification under 40 CFR 52.21(b)(2) and Minn. R. 7007.3000]

SI Id	Sequence	Requirement
COMG 5	4175	Option A - Signage and Inspection of External Building Openings: The Permittee must post signs on all non-alarmed doors and windows leading to the outside from the wood milling building that state that the doors and windows must remain closed while any wood milling equipment is in use. The signs must be in at least both English and Spanish. The Permittee must conduct inspections at least once each calendar week, while the wood milling equipment is in use, to determine if the doors and windows are closed as required by this permit. The Permittee must maintain a written record of the inspections and any corrective action taken. The applicable signage for doors and windows using Option B are listed under Air Curtain Requirements. [Minn. R. 7007.0800, subps. 4-5]
COMG 5	4180	Air Curtain Requirements (Option B): The Permittee must maintain Air Curtains to all entryways leading to the wood working area from the other portions of the facility (i.e., internal entrances to the wood working area). The Air Curtains must be maintained and operated according to the manufacturers' specifications. The Air Curtains must be operated at all times that the wood working area is in use. Air Curtain Signage and Inspections: The Permittee must post signs at each exit that has an air curtain that states that the air curtain must be operated at all times when any wood milling equipment is in operation. The signs must be in at least both English and Spanish. The Permittee must conduct inspections at least once each calendar week, while the wood milling equipment is in use, to determine if the air curtains are in operation as required by this permit. The Permittee must maintain a written record of the inspections and any corrective action taken. [Minn. R. 7007.0800, subp. 14, Minn. R. 7007.0800, subps. 4-5]
COMG 5	19880	PM < 10 micron: The Permittee shall conduct an initial performance test due 180 calendar days after Initial Startup Date of EQUI 253 and EQUI 263, provided that these units are operational and at a minimum every 60 months thereafter to measure PM10 emissions from TREA 43/STRU 73. The Commissioner will set the subsequent test frequency as stated in a follow up compliance with review of the initial performance test. Subsequent tests shall be completed no less than every 60-months by the due date (month and day) based on the initial test date or more frequently as stated in the follow up compliance. If the Commissioner sets a test frequency at less than every 60 months, the Permittee must apply for an administrative amendment to incorporate the prescribed test frequency into the permit. A major amendment is required to reduce the test frequency once set in the permit. The performance test shall be conducted at worst-case conditions defined at Minn. R. 7017.2005, subp. 8 or at the operating conditions described at Minn. R. 7017.2025, subp. 2, using EPA Reference Methods 201A and 202, or other method approved by MPCA in the performance test plan approval. Testing conducted during the 60 days prior to a performance test due date will not reset the due date for future testing. Testing conducted more than 60 days prior to the specified due date satisfies this test due date requirement but will reset future performance test due dates based on the most recent performance test date. [Minn. R. 7017.2020, subp. 1, Title I Condition: Avoid major modification under 40 CFR 52.21(b)(2) and Minn. R. 7007.3000]

SI Id	Sequence	Requirement
COMG 5	19890	PM < 2.5 micron: The Permittee shall conduct an initial performance test due 180 calendar days after Initial Startup Date of EQUI 253 and EQUI 263, provided that these unit are operational and at a minimum every 60 months thereafter to measure PM2.5 emissions from TREA 43/STRU 73. The Commissioner will set the subsequent test frequency as stated in a follow up compliance with review of the initial performance test. Subsequent tests shall be completed no less than every 60-months by the due date (month and day) based on the initial test date or more frequently as stated in the follow up compliance. If the Commissioner sets a test frequency at less than every 60 months, the Permittee must apply for an administrative amendment to incorporate the prescribed test frequency into the permit. A major amendment is required to reduce the test frequency once set in the permit. The performance test shall be conducted at worst-case conditions defined at Minn. R. 7017.2005, subp. 8 or at the operating conditions described at Minn. R. 7017.2025, subp. 2, using EPA Reference Methods 201A and 202, or other method approved by MPCA in the performance test plan approval. Testing conducted during the 60 days prior to a performance test due date will not reset the due date for future testing. Testing conducted more than 60 days prior to the specified due date satisfies this test due date requirement but will reset future performance test due dates based on the most recent performance test date. [Minn. R. 7017.2020, subp. 1, Title I Condition: Avoid major modification under 40 CFR 52.21(b)(2) and Minn. R. 7007.3000]
COMG 5	19900	Particulate Matter: The Permittee shall conduct an initial performance test due 180 calendar days after Initial Startup Date of EQUI 253 and EQUI 263, provided that these units are operational and at a minimum every 60 months thereafter to measure PM emissions from TREA 43/STRU 73. The Commissioner will set the subsequent test frequency as stated in a follow up compliance with review of the initial performance test. Subsequent tests shall be completed no less than every 60-months by the due date (month and day) based on the initial test date or more frequently as stated in the follow up compliance. If the Commissioner sets a test frequency at less than every 60 months, the Permittee must apply for an administrative amendment to incorporate the prescribed test frequency into the permit. A major amendment is required to reduce the test frequency once set in the permit. The performance test shall be conducted at worst-case conditions defined at Minn. R. 7017.2005, subp. 8 or at the operating conditions described at Minn. R. 7017.2025, subp. 2, using EPA Reference Methods 5 and 202, or other method approved by MPCA in the performance test plan approval. Testing conducted during the 60 days prior to a performance test due date will not reset the due date for future testing. Testing conducted more than 60 days prior to the specified due date satisfies this test due date requirement but will reset future performance test due dates based on the most recent performance test date. [Minn. R. 7017.2020, subp. 1, Title I Condition: Avoid major modification under 40 CFR 52.21(b)(2) and Minn. R. 7007.3000]

SI Id	Sequence	Requirement
COMG 5	20020	PM < 10 micron: The Permittee shall conduct a performance test due before 3/25/2031 and every 60 months thereafter to measure emissions from TREA 43/STRU 73. The first test is due by the date specified above and all subsequent tests shall be completed every 60 months thereafter by the due date (month and day) and as described below. The performance test shall be conducted at worst-case conditions defined at Minn. R. 7017.2005, subp. 8 or at the operating conditions described at Minn. R. 7017.2025, subp. 2, using EPA Reference Methods 201A and 202, or other method approved by MPCA in the performance test plan approval. Testing conducted during the 60 days prior to the performance test due date will not reset the test due date for future testing as required by this permit or within a follow up compliance letter. Testing conducted more than 60 days prior to the performance test due date satisfies this test due date requirement but will reset future performance test due dates based on the performance test date. [Minn. R. 7017.2020, subp. 1, Title I Condition: Avoid major modification under 40 CFR 52.21(b)(2) and Minn. R. 7007.3000]
COMG 5	20030	PM < 2.5 micron: The Permittee shall conduct a performance test due before 3/25/2031 and every 60 months thereafter to measure emissions from TREA 43/STRU 73. The first test is due by the date specified above and all subsequent tests shall be completed every 60 months thereafter by the due date (month and day) and as described below. The performance test shall be conducted at worst-case conditions defined at Minn. R. 7017.2005, subp. 8 or at the operating conditions described at Minn. R. 7017.2025, subp. 2, using EPA Reference Methods 201A and 202, or other method approved by MPCA in the performance test plan approval. Testing conducted during the 60 days prior to the performance test due date will not reset the test due date for future testing as required by this permit or within a follow up compliance letter. Testing conducted more than 60 days prior to the performance test due date satisfies this test due date requirement but will reset future performance test due dates based on the performance test date. [Minn. R. 7017.2020, subp. 1, Title I Condition: Avoid major modification under 40 CFR 52.21(b)(2) and Minn. R. 7007.3000]
COMG 5	20040	Particulate Matter: The Permittee shall conduct a performance test due before 3/25/2031 and every 60 months thereafter to measure emissions from TREA 43/STRU 73. The first test is due by the date specified above and all subsequent tests shall be completed every 60 months thereafter by the due date (month and day) and as described below. The performance test shall be conducted at worst-case conditions defined at Minn. R. 7017.2005, subp. 8 or at the operating conditions described at Minn. R. 7017.2025, subp. 2, using EPA Reference Methods 5 and 202, or other method approved by MPCA in the performance test plan approval. Testing conducted during the 60 days prior to the performance test due date will not reset the test due date for future testing as required by this permit or within a follow up compliance letter. Testing conducted more than 60 days prior to the performance test due date satisfies this test due date requirement but will reset future performance test due dates based on the performance test date. [Minn. R. 7017.2020, subp. 1, Title I Condition: Avoid major modification under 40 CFR 52.21(b)(2) and Minn. R. 7007.3000]

SI Id	Sequence	Requirement
COMG 5	20100	PM < 10 micron: The Permittee shall conduct a performance test due before 4/24/2029 and every 60 months thereafter to measure emissions from TREA 33/STRU 2. The first test is due by the date specified above and all subsequent tests shall be completed every 60 months thereafter by the due date (month and day) and as described below. The performance test shall be conducted at worst-case conditions defined at Minn. R. 7017.2005, subp. 8 or at the operating conditions described at Minn. R. 7017.2025, subp. 2, using EPA Reference Methods 201A and 202, or other method approved by MPCA in the performance test plan approval. Testing conducted during the 60 days prior to the performance test due date will not reset the test due date for future testing as required by this permit or within a follow up compliance letter. Testing conducted more than 60 days prior to the performance test due date satisfies this test due date requirement but will reset future performance test due dates based on the performance test date. [Minn. R. 7007.0800, subp. 2(A) & (B), Minn. R. 7009.0020-7009.0090, Minn. R. 7017.2020, subp. 1, Minn. Stat. 116.07, subd. 4a(a), 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]
COMG 5	20101	PM < 10 micron: The Permittee shall conduct a performance test due before 4/24/2031 and every 60 months thereafter to measure emissions from TREA 32/STRU 1. The first test is due by the date specified above and all subsequent tests shall be completed every 60 months thereafter by the due date (month and day) and as described below. The performance test shall be conducted at worst-case conditions defined at Minn. R. 7017.2005, subp. 8 or at the operating conditions described at Minn. R. 7017.2025, subp. 2, using EPA Reference Methods 201A and 202, or other method approved by MPCA in the performance test plan approval. Testing conducted during the 60 days prior to the performance test due date will not reset the test due date for future testing as required by this permit or within a follow up compliance letter. Testing conducted more than 60 days prior to the performance test due date satisfies this test due date requirement but will reset future performance test due dates based on the performance test date. [Minn. R. 7007.0800, subp. 2(A) & (B), Minn. R. 7009.0020-7009.0090, Minn. R. 7017.2020, subp. 1, Minn. Stat. 116.07, subd. 4a(a), 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]
COMG 8	1	The Permittee must limit emissions of Volatile Organic Compounds <= 225 tons per year 12-accounting period to be calculated as described later in this permit. VOC contents for each VOC-containing material must be determined as described under the Material Content requirement at COMG 8. [Minn. R. 7007.3000, Title I Condition: Avoid major source under 40 CFR 52.21(b)(1)(i)(C) and Minn. R. 7007.3000]
COMG 8	2	Particulate Matter <= 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 limit applies separately to each subject item listed in COMG 8. [Minn. R. 7011.0715, subp. 1(A)]
COMG 8	7	Opacity <= 20 percent opacity. This limit applies separately to each subject item listed in COMG 8. [Minn. R. 7011.0715, subp. 1(B)]
COMG 8	10	The Permittee must vent emissions from all spray booths in COMG 8 to control equipment meeting the requirements of TREA 41 or TREA 42 whenever the spray booth operates. [Minn. R. 7007.0800, subp. 2(A) & (B), Minn. R. 7009.0020-7009.0090, Minn. Stat. 116.07, subd. 4a(a), Title I Condition: Avoid major source under 40 CFR 52.21(b)(1)(i)(C) and Minn. R. 7007.3000]
COMG 8	15	Solids Content: The Permittee must use coatings that have less than or equal to the solids pounds/gallon listed at each booth in this permit. [Minn. R. 7007.0800, subp. 2(A) & (B), Minn. R. 7009.0020-7009.0090, Minn. Stat. 116.07, subd. 4a(a)]

SI Id	Sequence	Requirement
COMG 8	16	Spray Gun Restrictions: 1. A maximum of eight spray guns must be operated at a time, per spray booth, for each of COMG 8's spray booths. 2. All spray gun capacities must meet the maximum capacity limits listed at each EQUI for the specified booth. 3. All spray guns must have a transfer efficiency equal to or better than airless technology (75% minimum manufacturer specified transfer efficiency). [Title I Condition: Avoid major source under 40 CFR 52.21(b)(1)(i)(C) and Minn. R. 7007.3000]
COMG 8	18	All painting in COMG 8 must be conducted in a building that meets the following requirements: 1. All air vented from the building must be sent through air pollution control equipment meeting the requirements of TREA 41 and TREA 42, respectively; and 2. All doors and windows leading to the outside air must be kept closed when the painting equipment is in operation. [Minn. R. 7007.0800, subp. 2(A) & (B), Minn. R. 7009.0020-7009.0090, Minn. Stat. 116.07, subd. 4a(a), Title I Condition: Avoid major source under 40 CFR 52.21(b)(1)(i)(C) and Minn. R. 7007.3000]
COMG 8	21	Volatile Organic Compounds: Daily Recordkeeping. On each day of operation, the Permittee must calculate, record, and maintain a record of daily totals of all VOC dispensed at operations covered by COMG 8, in gallons, based on purchase records and Material Content data. This must be based on written usage logs. [Minn. R. 7007.0800, subps. 4-5, Title I Condition: Avoid major source under 40 CFR 52.21(b)(1)(i)(C) and Minn. R. 7007.3000]
COMG 8	3855	Solids Content: Recordkeeping. The Permittee must calculate and record the solids content, as applied, in pounds per gallon, of each coating applied at each spray booth in COMG 8. The list must be updated any time a new coating mixture is added. [Minn. R. 7007.0800, subp. 2(A) &(B), Minn. R. 7007.0800, subps. 4-5, Minn. R. 7009.0020-7009.0090, Minn. Stat. 116.07, subd. 4a(a)]
COMG 8	3856	Recordkeeping for Spray Guns: The Permittee must maintain on-going records for each spray gun that includes the spray technology and manufacturer specified transfer efficiency (minimum of 75%), the spray capacity in gallons per hour, and the subject item ID number of the spray booth where the gun will be used. This record must be updated any time a spray gun is added or replaced. [Minn. R. 7007.0800, subps. 4-5, Title I Condition: Avoid major source under 40 CFR 52.21(b)(1)(i)(C) and Minn. R. 7007.3000]
COMG 8	3857	Signage and Inspection of Building Openings: The Permittee must post signs on all non-alarmed doors and windows leading to the outside from the painting building that state that the doors and windows must remain closed while the paint booths are in use. The signs must be in at least both English and Spanish. The Permittee must conduct inspections at least once each calendar week, while the paint booths are in use, to determine if the doors and windows are closed as required by this permit. The Permittee must maintain a written record of the inspections and any corrective action taken. [Minn. R. 7007.0800, subps. 4-5]
COMG 8	3860	Volatile Organic Compounds: Accounting Period Recordkeeping. By the 15th day of the accounting period, the Permittee shall calculate and record the following: 1) The total usage of each VOC-containing material for the previous accounting period using the daily usage records for the previous accounting period. This record shall also include the VOC and solids contents of each material as determined by the Material Content requirement of this permit; 2) The total VOC shipped in waste for the previous accounting period, using the records specified in this permit; 3) The VOC emissions for the previous accounting period using the formulas specified in this permit; and 4) The 12-accounting period rolling sum VOC emissions for the previous 12 accounting periods by summing the VOC emissions data for the previous 12 periods. [Minn. R. 7007.0800, subps. 4-5]

SI Id	Sequence	Requirement
COMG 8	4050	Volatile Organic Compounds: Volatile Organic Compounds: Accounting Period Calculations. The Permittee shall calculate VOC emissions using the following equations: VOC (tons/month) = V - W V = ((A1 x D1 x B1) + (A2 x D2 x B2) + (A3 x D3 x B3) + ...)/2000. W = (C1 x F1) + (C2 x F2) + (C3 x F3) + ... where: V = total VOC used in tons/accounting period; A# = amount of each VOC-containing material used, in gallons/accounting period; D# = the density of A#; B# = weight percent VOC in A#, as a fraction; W = the amount of VOC shipped in waste from operations covered by COMG 8, in tons/accounting period; C# = amount, in tons/accounting period, of each VOC-containing waste material shipped. If the Permittee chooses to not take credit for waste shipments, this parameter would be zero; and F# = weight percent of VOC in C#, as a fraction. [Minn. R. 7007.0800, subps. 4-5]
COMG 8	4050	Material Content Records: The Permittee must keep a current copy of information provided by materials suppliers or manufacturers for each VOC-containing material used. This includes MSDSs, CPDSs, COAs, and test data used to determine the solids and VOC content and density for each VOC-containing material. If the Permittee conducted testing to determine the pollutant content or density, the Permittee must keep a copy of the complete test report. If information was used that was provided by the manufacturer or supplier of the material that was based on testing, the Permittee must keep the COA provided by the manufacturer or supplier. The Permittee is not required to obtain the test report or other supporting documentation from the manufacturer or supplier. [Minn. R. 7007.0800, subps. 4-5]
COMG 8	4051	The Permittee must submit an annual report by the 31st of January. The report must document the VOC 12-accounting period 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)]
COMG 8	4060	Material Content. VOC, HAPs, and Solids (PM, PM<10 microns, and PM<2.5 microns) contents in coating materials must be determined by the Safety Data Sheet (SDS), the Material Safety Data Sheet (MSDS), or CPDS provided by the supplier for each material used. If a material content range is given on the SDS, the MSDS, or the CDPS, the highest number in the range must be used in all compliance calculations. If information is provided in the Regulatory Section of the SDS, the highest number in the range of that section may be used. When using the MSDS as the basis of calculating particulate emissions, the conservative assumption is made that PM consists entirely of PM less than 10 microns or less than 2.5 microns. 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]
COMG 8	6980	Material Content of Waste: The Permittee must determine the VOC content of waste materials as specified in the Waste Sampling requirements of this permit. The content data for each waste stream must be used in calculations required by this permit for all relevant shipments in the calendar half year following the sample analysis. For example, sample results from January must be used for all waste relevant shipments in February to June. [Minn. R. 7007.0800, subps. 4-5]
COMG 8	19650	Definition of Accounting Period: The VOC limit is based on 12 accounting periods in a calendar year. These periods can vary from three to five weeks each. The Permittee determines the number of weeks in each accounting period prior to the beginning of the calendar year. The determination of how many weeks are in each accounting period, including starting and ending dates, must be included in the Annual Report that is due January 30th of each year. [Minn. R. 7007.0800, subp. 2(A)]
COMG 8	19650	Waste Sampling: The Permittee or the company receiving the waste must analyze a sample of each of the three waste streams (solvent, paint, solids) from COMG 8 using an EPA or ASTM reference method, a gas chromatograph, or other method approved by the Commissioner, to determine the weight content of VOC at least once per calendar half year or more frequently based on Permittee's discretion. The Permittee shall keep copies of all test reports for each waste stream. [Minn. R. 7007.0800, subps. 4-5]

SI Id	Sequence	Requirement
EQUI 84	1	The Permittee must use coatings with Solids Content <= 5.73 pounds per gallon. The solids content limits are on the coating contents, as applied (versus as purchased). [Minn. R. 7007.0800, subp. 2(A) &(B), Minn. R. 7009.0020-7009.0090, Minn. Stat. 116.07, subd. 4a(a)]
EQUI 84	2	The Permittee must limit the total spraying Capacity <= 20.79 gallons per hour. [Minn. R. 7007.0800, subp. 2(A) & (B), Minn. R. 7009.0020-7009.0090, Minn. Stat. 116.07, subd. 4a(a)]
EQUI 84	3830	The Permittee must limit Operation Hours <= 14.0 hours per day daily maximum. [Minn. R. 7007.0800, subp. 2(A) & (B), Minn. R. 7009.0020-7009.0090, Minn. Stat. 116.07, subd. 4a(a)]
EQUI 84	3840	Hours: Daily Recordkeeping. On each day of operation, the Permittee must calculate, record, and maintain a record of the total hours of operation. This must be based on hours of operation logs. [Minn. R. 7007.0800, subp. 2(A) & (B), Minn. R. 7007.0800, subps. 4-5, Minn. R. 7009.0020-7009.0090, Minn. Stat. 116.07, subd. 4a(a)]
EQUI 86	1	The Permittee must use coatings with Solids Content <= 5.78 pounds per gallon. The solids content limits are on the coating contents, as applied (versus as purchased). [Minn. R. 7007.0800, subp. 2(A) & (B), Minn. R. 7009.0020-7009.0090, Minn. Stat. 116.07, subd. 4a(a)]
EQUI 86	2	The Permittee must limit the total spraying Capacity <= 11.73 gallons per hour. [Minn. R. 7007.0800, subp. 2(A) & (B), Minn. R. 7009.0020-7009-0090, Minn. Stat. 116.07, subd. 4a(a)]
EQUI 86	3830	The Permittee must limit Operation Hours <= 14.0 hours per day daily maximum. [Minn. R. 7007.0800, subp. 2(A) & (B), Minn. R. 7009.0020-7009.0090, Minn. Stat. 116.07, subd. 4a(a)]
EQUI 86	3840	Hours: Daily Recordkeeping. On each day of operation, the Permittee must calculate, record, and maintain a record of the total hours of operation. This must be based on hours of operation logs. [Minn. R. 7007.0800, subp. 2(A) & (B), Minn. R. 7007.0800, subps. 4-5, Minn. R. 7009.0020-7009.0090, Minn. Stat. 116.07, subd. 4a(a)]
EQUI 88	1	The Permittee must use coatings with Solids Content <= 3.02 pounds per gallon. The solids content limits are on the coating contents, as applied (versus as purchased). [Minn. R. 7007.0800, subp. 2(A) & (B), Minn. R. 7009.0020-7009.0090, Minn. Stat. 116.07, subd. 4a(a)]
EQUI 88	2	The Permittee must limit the total spraying Capacity <= 10.31 gallons per hour. [Minn. R. 7007.0800, subp. 2(A) & (B), Minn. R. 7009.0020-7009.0090, Minn. Stat. 116.07, subd. 4a(a)]
EQUI 88	3830	The Permittee must limit Operation Hours <= 14.0 hours per day daily maximum. [Minn. R. 7007.0800, subp. 2(A) & (B), Minn. R. 7009.0020-7009.0090, Minn. Stat. 116.07, subd. 4a(a)]
EQUI 88	3840	Hours: Daily Recordkeeping. On each day of operation, the Permittee must calculate, record, and maintain a record of the total hours of operation. This must be based on hours of operation logs. [Minn. R. 7007.0800, subp. 2(A) & (B), Minn. R. 7007.0800, subps. 4-5, Minn. R. 7009.0020-7009.0090, Minn. Stat. 116.07, subd. 4a(a)]
EQUI 90	1	The Permittee must use coatings with Solids Content <= 6.08 pounds per gallon. The solids content limits are on the coating contents, as applied (versus as purchased). [Minn. R. 7007.0800, subp. 2(A) & (B), Minn. R. 7009.0020-7009.0090, Minn. Stat. 116.07, subd. 4a(a)]
EQUI 90	2	The Permittee must limit the total spraying Capacity <= 20.79 gallons per hour. [Minn. R. 7007.0800, subp. 2(A) & (B), Minn. R. 7009.0020-7009.0090, Minn. Stat. 116.07, subd. 4a(a)]
EQUI 92	1	The Permittee must use coatings with Solids Content <= 5.92 pounds per gallon. The solids content limits are on the coating contents, as applied (versus as purchased). [Minn. R. 7007.0800, subp. 2(A) & (B), Minn. R. 7009.0020-7009.0090, Minn. Stat. 116.07, subd. 4a(a)]
EQUI 92	2	The Permittee must limit the total spraying Capacity <= 11.73 gallons per hour. [Minn. R. 7007.0800, subp. 2(A) & (B), Minn. R. 7009.0020-7009.0090, Minn. Stat. 116.07, subd. 4a(a)]
EQUI 93	1	The Permittee must use coatings with Solids Content <= 4.57 pounds per gallon. The solids content limits are on the coating contents, as applied (versus as purchased). [Minn. R. 7007.0800, subp. 2(A) & (B), Minn. R. 7009.0020-7009.0090, Minn. Stat. 116.07, subd. 4a(a)]
EQUI 93	2	The Permittee must limit the total spraying Capacity <= 2.41 gallons per hour. [Minn. R. 7007.0800, subp. 2(A) & (B), Minn. R. 7009.0020-7009.0090, Minn. Stat. 116.07, subd. 4a(a)]
EQUI 94	1	The Permittee must use coatings with Solids Content <= 3.02 pounds per gallon. The solids content limits are on the coating contents, as applied (versus as purchased). [Minn. R. 7007.0800, subp. 2(A) & (B), Minn. R. 7009.0020-7009.0090, Minn. Stat. 116.07, subd. 4a(a)]
EQUI 94	2	The Permittee must limit the total spraying Capacity <= 10.31 gallons per hour. [Minn. R. 7007.0800, subp. 2(A) & (B), Minn. R. 7009.0020-7009.0090, Minn. Stat. 116.07, subd. 4a(a)]
EQUI 96	1	The Permittee must use coatings with Solids Content <= 6.08 pounds per gallon. The solids content limits are on the coating contents, as applied (versus as purchased). [Minn. R. 7007.0800, subp. 2(A) & (B), Minn. R. 7009.0020-7009.0090, Minn. Stat. 116.07, subd. 4a(a)]
EQUI 96	2	The Permittee must limit the total spraying Capacity <= 20.79 gallons per hour. [Minn. R. 7007.0800, subp. 2(A) & (B), Minn. R. 7009.0020-7009-0090, Minn. Stat. 116.07, subd. 4a(a)]

SI Id	Sequence	Requirement
EQUI 98	1	The Permittee must use coatings with Solids Content <= 5.78 pounds per gallon. The solids content limits are on the coating contents, as applied (versus as purchased). [Minn. R. 7007.0800, subp. 2(A) & (B), Minn. R. 7009.0020-7009.0090, Minn. Stat. 116.07, subd. 4a(a)]
EQUI 98	2	The Permittee must limit the total spraying Capacity <= 11.73 gallons per hour. [Minn. R. 7007.0800, subp. 2(A) & (B), Minn. R. 7009.0020-7009.0090, Minn. Stat. 116.07, subd. 4a(a)]
EQUI 99	1	The Permittee must use coatings with Solids Content <= 4.57 pounds per gallon. The solids content limits are on the coating contents, as applied (versus as purchased). [Minn. R. 7007.0800, subp. 2(A) & (B), Minn. R. 7009.0020-7009.0090, Minn. Stat. 116.07, subd. 4a(a)]
EQUI 99	2	The Permittee must limit the total spraying Capacity <= 2.41 gallons per hour. [Minn. R. 7007.0800, subp. 2(A) & (B), Minn. R. 7009.0020-7009.0090, Minn. Stat. 116.07, subd. 4a(a)]
EQUI 100	1	The Permittee must use coatings with Solids Content <= 3.02 pounds per gallon. The solids content limits are on the coating contents, as applied (versus as purchased). [Minn. R. 7007.0800, subp. 2(A) & (B), Minn. R. 7009.0020-7009-0090, Minn. Stat. 116.07, subd. 4a(a)]
EQUI 100	2	The Permittee must limit the total spraying Capacity <= 10.31 gallons per hour. [Minn. R. 7007.0800, subp. 2(A) & (B), Minn. R. 7009.0020-7009.0090, Minn. Stat. 116.07, subd. 4a(a)]
EQUI 204	1	The Permittee must limit emissions of Particulate Matter <= 1.93 pounds per hour 3-hour average. [Title I Condition: Avoid major source under 40 CFR 52.21(b)(1)(i)(C) and Minn. R. 7007.3000]
EQUI 204	2	The Permittee must limit emissions of PM < 10 micron <= 1.93 pounds per hour 3-hour average. [Title I Condition: Avoid major source under 40 CFR 52.21(b)(1)(i)(C) and Minn. R. 7007.3000]
EQUI 204	3	The Permittee must limit emissions of PM < 2.5 micron <= 1.93 pounds per hour 3-hour average. [Title I Condition: Avoid major source under 40 CFR 52.21(b)(1)(i)(C) and Minn. R. 7007.3000]
EQUI 204	4	The Permittee must use coatings with Solids Content <= 5.73 pounds per gallon. The solids content limits are on the coating contents, as applied (versus as purchased). [Minn. R. 7007.0800, subp. 2(A) & (B), Minn. R. 7009.0020-7009-0090, Minn. Stat. 116.07, subd. 4a(a)]
EQUI 204	5	The Permittee must limit the total spraying Capacity <= 63.44 gallons per hour. [Minn. R. 7007.0800, sub. 2(A) & (B), Minn. R. 7009.0020-7009.0090, Minn. Stat. 116.07, subd. 4a(a)]
EQUI 204	7	The Permittee must limit Operation Hours <= 20.0 hours per day daily maximum. [Minn. R. 7007.0800, subp. 2(A) & (B), Minn. R. 7009.0020-7009.0090, Minn. Stat. 116.07, subd. 4a(a)]
EQUI 204	3840	Hours: Daily Recordkeeping. On each day of operation, the Permittee must calculate, record, and maintain a record of the total hours of operation. This must be based on hours of operation logs. [Minn. R. 7007.0800, subp. 2(A) & (B), Minn. R. 7007.0800, subps. 4-5, Minn. R. 7009.0020-7009.0090, Minn. Stat. 116.07, subd. 4a(a)]
EQUI 204	19880	PM < 10 micron: The Permittee shall conduct an initial performance test due 180 calendar days after Initial Startup Date and at a minimum every 60 months thereafter to measure emissions. The Commissioner will set the subsequent test frequency as stated in a follow up compliance letter with review of the initial performance test. Subsequent tests shall be completed no less than every 60-months by the due date (month and day) based on the initial test date or more frequently as stated in the follow up compliance letter. If the Commissioner sets a test frequency at less than every 60 months, the Permittee must apply for an administrative amendment to incorporate the prescribed test frequency into the permit. A major amendment is required to reduce the test frequency once set in the permit. The performance test shall be conducted at worst-case conditions defined at Minn. R. 7017.2005, subp. 8 or at the operating conditions described at Minn. R. 7017.2025, subp. 2, using EPA Reference Methods 201A and 202, or other method approved by MPCA in the performance test plan approval. Testing conducted during the 60 days prior to a performance test due date will not reset the due date for future testing. Testing conducted more than 60 days prior to the specified due date satisfies this test due date requirement but will reset future performance test due dates based on the most recent performance test date. [Minn. R. 7017.2020, subp. 1, Title I Condition: Avoid major source under 40 CFR 52.21(b)(1)(i)(C) and Minn. R. 7007.3000]

SI Id	Sequence	Requirement
EQUI 204	19890	PM < 2.5 micron: The Permittee shall conduct an initial performance test due 180 calendar days after Initial Startup Date and at a minimum every 60 months thereafter to measure emissions. The Commissioner will set the subsequent test frequency as stated in a follow up compliance letter with review of the initial performance test. Subsequent tests shall be completed no less than every 60-months by the due date (month and day) based on the initial test date or more frequently as stated in the follow up compliance letter. If the Commissioner sets a test frequency at less than every 60 months, the Permittee must apply for an administrative amendment to incorporate the prescribed test frequency into the permit. A major amendment is required to reduce the test frequency once set in the permit. The performance test shall be conducted at worst-case conditions defined at Minn. R. 7017.2005, subp. 8 or at the operating conditions described at Minn. R. 7017.2025, subp. 2, using EPA Reference Methods 201A and 202, or other method approved by MPCA in the performance test plan approval. Testing conducted during the 60 days prior to a performance test due date will not reset the due date for future testing. Testing conducted more than 60 days prior to the specified due date satisfies this test due date requirement but will reset future performance test due dates based on the most recent performance test date. [Minn. R. 7017.2020, subp. 1, Title I Condition: Avoid major source under 40 CFR 52.21(b)(1)(i)(C) and Minn. R. 7007.3000]
EQUI 204	19900	Particulate Matter: The Permittee shall conduct an initial performance test due 180 calendar days after Initial Startup Date and at a minimum every 60 months thereafter to measure emissions. The Commissioner will set the subsequent test frequency as stated in a follow up compliance letter with review of the initial performance test. Subsequent tests shall be completed no less than every 60-months by the due date (month and day) based on the initial test date or more frequently as stated in the follow up compliance letter. If the Commissioner sets a test frequency at less than every 60 months, the Permittee must apply for an administrative amendment to incorporate the prescribed test frequency into the permit. A major amendment is required to reduce the test frequency once set in the permit. The performance test shall be conducted at worst-case conditions defined at Minn. R. 7017.2005, subp. 8 or at the operating conditions described at Minn. R. 7017.2025, subp. 2, using EPA Reference Methods 5 and 202, or other method approved by MPCA in the performance test plan approval. Testing conducted during the 60 days prior to a performance test due date will not reset the due date for future testing. Testing conducted more than 60 days prior to the specified due date satisfies this test due date requirement but will reset future performance test due dates based on the most recent performance test date. [Minn. R. 7017.2020, subp. 1, Title I Condition: Avoid major source under 40 CFR 52.21(b)(1)(i)(C) and Minn. R. 7007.3000]
EQUI 205	1	The Permittee must limit emissions of Particulate Matter <= 1.93 pounds per hour 3-hour average. [Title I Condition: Avoid major source under 40 CFR 52.21(b)(1)(i)(C) and Minn. R. 7007.3000]
EQUI 205	2	The Permittee must limit emissions of PM < 10 micron <= 1.93 pounds per hour 3-hour average. [Title I Condition: 40 CFR 52.21(b)(1)(i)(C) and Minn. R. 7007.3000]
EQUI 205	3	The Permittee must limit emissions of PM < 2.5 micron <= 1.93 pounds per hour 3-hour average. [Title I Condition: Avoid major source under 40 CFR 52.21(b)(1)(i)(C) and Minn. R. 7007.3000]
EQUI 205	4	The Permittee must use coatings with Solids Content <= 5.73 pounds per gallon. The solids content limits are on the coating contents, as applied (versus as purchased). [Minn. R. 7007.0800, subp. 2(A) & (B), Minn. R. 7009.0020-7009.0090, Minn. Stat. 116.07, subd. 4a(a)]
EQUI 205	5	The Permittee must limit the total spraying Capacity <= 63.44 gallons per hour. [Minn. R. 7007.0800, subp. 2(A) & (B), Minn. R. 7009.0020-7009.0090, Minn. Stat. 116.07, subd. 4a(a)]

SI Id	Sequence	Requirement
EQUI 205	7	The Permittee must limit Operation Hours <= 20.0 hours per day daily maximum. [Minn. R. 7007.0800, subp. 2(A) & (B), Minn. R. 7009.0020-7009.0090, Minn. Stat. 116.07, subd. 4a(a)]
EQUI 205	3840	Hours: Daily Recordkeeping. On each day of operation, the Permittee must calculate, record, and maintain a record of the total hours of operation. This must be based on hours of operation logs. [Minn. R. 7007.0800, subp. 2(A) & (B), Minn. R. 7007.0800, subps. 4-5, Minn. R. 7009.0020-7009.0090, Minn. Stat. 116.07, subd. 4a(a)]
EQUI 205	19880	PM < 10 micron: The Permittee shall conduct an initial performance test due 180 calendar days after Initial Startup Date and at a minimum every 60 months thereafter to measure emissions. The Commissioner will set the subsequent test frequency as stated in a follow up compliance letter with review of the initial performance test. Subsequent tests shall be completed no less than every 60-months by the due date (month and day) based on the initial test date or more frequently as stated in the follow up compliance letter. If the Commissioner sets a test frequency at less than every 60 months, the Permittee must apply for an administrative amendment to incorporate the prescribed test frequency into the permit. A major amendment is required to reduce the test frequency once set in the permit. The performance test shall be conducted at worst-case conditions defined at Minn. R. 7017.2005, subp. 8 or at the operating conditions described at Minn. R. 7017.2025, subp. 2, using EPA Reference Methods 201A and 202, or other method approved by MPCA in the performance test plan approval. Testing conducted during the 60 days prior to a performance test due date will not reset the due date for future testing. Testing conducted more than 60 days prior to the specified due date satisfies this test due date requirement but will reset future performance test due dates based on the most recent performance test date. [Minn. R. 7017.2020, subp. 1, Title I Condition: Avoid major source under 40 CFR 52.21(b)(1)(i) and Minn. R. 7007.3000]
EQUI 205	19890	PM < 2.5 micron: The Permittee shall conduct an initial performance test due 180 calendar days after Initial Startup Date and at a minimum every 60 months thereafter to measure emissions. The Commissioner will set the subsequent test frequency as stated in a follow up compliance letter with review of the initial performance test. Subsequent tests shall be completed no less than every 60-months by the due date (month and day) based on the initial test date or more frequently as stated in the follow up compliance letter. If the Commissioner sets a test frequency at less than every 60 months, the Permittee must apply for an administrative amendment to incorporate the prescribed test frequency into the permit. A major amendment is required to reduce the test frequency once set in the permit. The performance test shall be conducted at worst-case conditions defined at Minn. R. 7017.2005, subp. 8 or at the operating conditions described at Minn. R. 7017.2025, subp. 2, using EPA Reference Methods 201A and 202, or other method approved by MPCA in the performance test plan approval. Testing conducted during the 60 days prior to a performance test due date will not reset the due date for future testing. Testing conducted more than 60 days prior to the specified due date satisfies this test due date requirement but will reset future performance test due dates based on the most recent performance test date. [Minn. R. 7017.2020, subp. 1, Title I Condition: Avoid major source under 40 CFR 52.21(b)(1)(i) and Minn. R. 7007.3000]

SI Id	Sequence	Requirement
EQUI 205	19900	Particulate Matter: The Permittee shall conduct an initial performance test due 180 calendar days after Initial Startup Date and at a minimum every 60 months thereafter to measure emissions. The Commissioner will set the subsequent test frequency as stated in a follow up compliance letter with review of the initial performance test. Subsequent tests shall be completed no less than every 60-months by the due date (month and day) based on the initial test date or more frequently as stated in the follow up compliance letter. If the Commissioner sets a test frequency at less than every 60 months, the Permittee must apply for an administrative amendment to incorporate the prescribed test frequency into the permit. A major amendment is required to reduce the test frequency once set in the permit. The performance test shall be conducted at worst-case conditions defined at Minn. R. 7017.2005, subp. 8 or at the operating conditions described at Minn. R. 7017.2025, subp. 2, using EPA Reference Methods 5 and 202, or other method approved by MPCA in the performance test plan approval. Testing conducted during the 60 days prior to a performance test due date will not reset the due date for future testing. Testing conducted more than 60 days prior to the specified due date satisfies this test due date requirement but will reset future performance test due dates based on the most recent performance test date. [Minn. R. 7017.2020, subp. 1, Title I Condition: Avoid major source under 40 CFR 52.21(b)(1)(i) and Minn. R. 7007.3000]
EQUI 207	3830	Hours <= 20.0 hours per year 12-month rolling sum to be calculated by the 15th day of each month for the previous 12-month period as described later in this permit. [Minn. R. 7007.0800, subp. 2(A) & (B), Minn. R. 7009.0020-7009.0090, Minn. Stat. 116.07, subd. 4a]
EQUI 207	3840	Hours: Daily Recordkeeping. On each day of operation, the Permittee must calculate, record, and maintain a record of the total hours of operation. This must be based on hours of operation logs. [Minn. R. 7007.0800, subp. 2(A) & (B), Minn. R. 7007.0800, subps. 4-5, Minn. R. 7009.0020-7009.0090, Minn. Stat. 116.07, subd. 4a(a)]
EQUI 253	3131	The Permittee shall submit a notification of the date construction began: Due 30 calendar days after Date of Construction Start (or reconstruction). Submit the name and number of the Subject Item and the date construction began. The notification shall be submitted electronically on Form CS-02. [Minn. R. 7007.0800, subp. 16(L)]
EQUI 253	3140	The Permittee shall submit a notification of the actual date of initial startup: Due 15 calendar days after Initial Startup Date. Submit the name and number of the Subject Item and the date of startup. Startup is as defined in Minn. R. 7005.0100, subp. 42a. The notification shall be submitted electronically on Form CS-02. [Minn. R. 7007.0800, subp. 16(L)]
EQUI 261	3131	The Permittee shall submit a notification of the date construction began: Due 30 calendar days after Date of Construction Start (or reconstruction). Submit the name and number of the Subject Item and the date construction began. The notification shall be submitted electronically on Form CS-02. [Minn. R. 7007.0800, subp. 16(L)]
EQUI 261	3140	The Permittee shall submit a notification of the actual date of initial startup: Due 15 calendar days after Initial Startup Date. Submit the name and number of the Subject Item and the date of startup. Startup is as defined in Minn. R. 7005.0100, subp. 42a. The notification shall be submitted electronically on Form CS-02. [Minn. R. 7007.0800, subp. 16(L)]
EQUI 262	3131	The Permittee shall submit a notification of the date construction began: Due 30 calendar days after Date of Construction Start (or reconstruction). Submit the name and number of the Subject Item and the date construction began. The notification shall be submitted electronically on Form CS-02. [Minn. R. 7007.0800, subp. 16(L)]

SI Id	Sequence	Requirement
EQUI 262	3140	The Permittee shall submit a notification of the actual date of initial startup: Due 15 calendar days after Initial Startup Date. Submit the name and number of the Subject Item and the date of startup. Startup is as defined in Minn. R. 7005.0100, subp. 42a. The notification shall be submitted electronically on Form CS-02. [Minn. R. 7007.0800, subp. 16(L)]
EQUI 263	3131	The Permittee shall submit a notification of the date construction began: Due 30 calendar days after Date of Construction Start (or reconstruction). Submit the name and number of the Subject Item and the date construction began. The notification shall be submitted electronically on Form CS-02. [Minn. R. 7007.0800, subp. 16(L)]
EQUI 263	3140	The Permittee shall submit a notification of the actual date of initial startup: Due 15 calendar days after Initial Startup Date. Submit the name and number of the Subject Item and the date of startup. Startup is as defined in Minn. R. 7005.0100, subp. 42a. The notification shall be submitted electronically on Form CS-02. [Minn. R. 7007.0800, subp. 16(L)]
TREA 32	16450	The Permittee must operate and maintain control equipment such that it achieves a control efficiency for Particulate Matter >= 99 percent control efficiency. [Minn. R. 7011.0070, subp. 1(A), Title I Condition: Avoid major modification under 40 CFR 52.21(b)(2) and Minn. R. 7007.3000]
TREA 32	17110	The Permittee must operate and maintain control equipment such that it achieves a control efficiency for PM < 10 micron >= 93 percent control efficiency. [Minn. R. 7011.0070, subp. 1(A), Title I Condition: Avoid major modification under 40 CFR 52.21(b)(2) and Minn. R. 7007.300]
TREA 32	17111	The Permittee must operate and maintain control equipment such that it achieves a control efficiency for PM < 2.5 micron >= 93 percent control efficiency. [Title I Condition: Avoid major modification under 40 CFR 52.21(b)(2) and Minn. R. 7007.3000]
TREA 32	17112	Pressure Drop >= 0.5 and <= 4.0 inches of water (Pressure Drop Range Limit), unless a new range is set pursuant to Minn. R. 7017.2025, subp. 3, as detailed below. If the recorded pressure drop is outside the required range, the emissions during that time shall be considered uncontrolled until the pressure drop is once again within the required range. The period of time for which the pressure drop is considered out of range shall be reported as a deviation. [40 CFR 64.3, Minn. R. 7011.0080, Minn. R. 7017.0200, Minn. R. 7017.2025, Title I Condition: Avoid major modification under 40 CFR 52.21(b)(2) and Minn. R. 7007.3000]
TREA 32	17120	The control equipment is listed control equipment under Minn. R. 7011.0060 to 7011.0080. The Permittee shall vent emissions from any wood working units in COMG 5 to TREA 32 whenever any wood working units in COMG 5 operates, and operate and maintain TREA 32 at all times that any emissions are vented to TREA 32. The Permittee shall document periods of non-operation of the control equipment TREA 32 whenever any wood working units in COMG 5 are operating. [Minn. R. 7011.0075, subp. 1, Title I Condition: Avoid major modification under 40 CFR 52.21(b)(2)(i) and Minn. R. 7007.3000]
TREA 32	17120	If the Permittee replaces TREA 32, the replacement control must meet or exceed the control efficiency requirements of TREA 32 as well as comply with all other requirements of TREA 32. Prior to making such a change, the Permittee must apply for and obtain the appropriate permit amendment, as applicable. If no amendment is needed for the replacement, the Permittee must submit an electronic notice to the Agency using Form CR-05. The notice must be received by the Agency seven working days prior to the commencement/start of replacement. [Title I Condition: Avoid major modification under 40 CFR 52.21(b)(2) and Minn. R. 7007.3000]
TREA 32	17140	The Permittee must operate and maintain the fabric filter in accordance with the Operation and Maintenance (O & M) Plan. The Permittee must keep copies of the O & M Plan available onsite for use by staff and MPCA staff. [Minn. R. 7007.0800, subp. 14]
TREA 32	17150	Daily Inspections: The Permittee shall do the following, once every 24 hours: 1). Inspect the fabric filter stack STRU 1 for any visible emissions during daylight hours, except during inclement weather. If there are visible emissions, the emissions shall be considered uncontrolled until there are no longer visible emissions. The period of time for which there are visible emissions shall be reported as a deviation. 2). During inclement weather, read and record the pressure drop across the fabric filter. [40 CFR 64.3, Minn. R. 7017.0200, Title I Condition: Avoid major modification under 40 CFR 52.21(b)(2) and Minn. R. 7007.3000]

SI Id	Sequence	Requirement
TREA 32	17160	Recordkeeping of Visible Emissions and Pressure Drop: The Permittee shall record the time and date of each visible emission inspection and pressure drop reading, and whether or not any visible emissions were observed, 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 Deviations as defined by Minn. R. 7007.0100, subp. 8a. [40 CFR 64.9(b), Minn. R. 7017.0200, Title I Condition: Avoid major modification under 40 CFR 52.21(b)(2) and Minn. R. 7007.3000]
TREA 32	17170	Pressure Drop: 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 when the monitored fabric filter is in operation. [40 CFR 64.7(b), Minn. R. 7017.0200]
TREA 32	17180	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 64.3, Minn. R. 7017.0200]
TREA 32	17190	Periodic Inspections: At least once per calendar quarter, or more frequently as required by the manufacturing specifications, the Permittee shall inspect the control equipment components. The Permittee shall maintain a written record of these inspections. [40 CFR 64.3, Minn. R. 7017.0200]
TREA 32	17200	Corrective Actions: The Permittee shall take corrective action as soon as possible if any of the following occur: - visible emissions are observed; or - the recorded pressure drop is outside the required operating range; or - the fabric filter or any of its components are found during the inspections to need repair. Corrective actions shall return the pressure drop to within the permitted range, eliminate visible emissions, and/or include completion of necessary repairs identified during the inspection, as applicable. Corrective actions include, but are not limited to, those outlined in the O & M Plan for the fabric filter. The Permittee shall keep a record of the type and date of any corrective action taken for each filter. [40 CFR 64.7(d), Minn. R. 7017.0200]
TREA 32	17240	Protocol for Resetting the Pressure Drop Range Limit: The Permittee shall conduct performance testing to measure the PM/PM10/PM2.5 emission rate as required elsewhere in this permit. If the established Pressure Drop Range Limit is to b shall be based on the pressure drop values recorded during the most recent MPCA-approved performance test where compliance was demonstrated. During the performance test, the Permittee must continuously monitor the pressure drop. The Permittee must calculate the average pressure drop based on the average exhibited over all three compliant test runs. Downtime of 15 minutes or more is not to be included as operating time. The established Pressure Drop Range Limit shall be reset as follows: - if the 3-hour average pressure drop recorded during the test is within the established range, it shall not be reset and the established values remain the Pressure Drop Range Limit; or - if the 3-hour average pressure drop is below the minimum value of the established range, the new minimum value shall be reset to 50% of the average pressure drop from the test. The maximum value shall be decreased by the same amount to maintain the pressure drop range; or - if the 3-hour average pressure drop is above the maximum value of the established range, the new maximum value shall be reset as the average pressure drop from the test plus 10%. The minimum value shall be increased by the same amount to maintain the pressure drop range. The pressure drop range is equal to the maximum value (upper bound) minus the minimum value (lower bound). Ongoing compliance with the Pressure Drop Range Limit will be determined using the same data acquisition and reduction as was used during the performance test. The new Pressure Drop Range Limit shall be effective upon receipt of the follow up compliance letter that approves the test results and shall be incorporated into the permit when the permit is next amended. [Minn. R. 7017.2025, Title I Condition: Avoid major modification under

SI Id	Sequence	Requirement
TREA 32	17250	The Permittee must apply for and obtain a major permit amendment if the Permittee wishes to deviate from the Protocol for Re-setting the Pressure Drop Range Limit required by this permit. [Minn. R. 7007.1500, subp. 1]
TREA 32	17260	Notwithstanding the Protocol detailed above, the MPCA reserves the right to set operational limits and requirements as allowed under Minn. R. 7017.2025. If the MPCA sets limits, the new limits shall be implemented upon receipt of the follow up compliance letter that notifies the Permittee of preliminary approval. The limits set according to Minn. R. 7017.2025 are final upon issuance of a permit amendment incorporating the change. [Minn. R. 7017.2025]
TREA 32	18400	The Permittee shall maintain each piece of control equipment according to the control equipment manufacturer's specifications, and shall: A. maintain an inventory of spare parts that are subject to frequent replacement, as required by the manufacturing specification or documented in records under items H and I; B. train staff on the operation and monitoring of control equipment and troubleshooting, and train and require staff to respond to indications of malfunctioning equipment; C. thoroughly inspect all control equipment at least annually, or as required by the manufacturing specification; D. inspect monthly, or as required by the manufacturing specification, components that are subject to wear or plugging, for example: bearings, belts, hoses, fans, nozzles, orifices, and ducts; E. inspect quarterly, or as required by the manufacturing specification, components that are not subject to wear including structural components, housings, ducts, and hoods; F. check daily, or as required by the manufacturing specification, monitoring equipment, for example: pressure gauges, chart recorders, temperature indicators, and recorders; G. calibrate (or replace) annually, or as required by the manufacturing specification, all monitoring equipment; H. maintain a record of activities conducted in items A to G consisting of the activity completed, the date the activity was completed, and any corrective action taken; and I. maintain a record of parts replaced, repaired, or modified for the previous five years. [Minn. R. 7011.0075, subp. 2, Title I Condition: Avoid major source under 40 CFR 52.21(b)(2) and Minn. R. 7007.3000]
TREA 32	35750	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 change. [40 CFR 64.7(e), Minn. R. 7017.0200]
TREA 32	35760	As required by 40 CFR 64.9(a)(2), for the Semi-Annual Deviations Report required by this permit and/or the Notification of Deviations Endangering Human Health and the Environment required by 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 action taken; and 2) Summary information on the number, duration, and cause for monitor downtime incidents. [40 CFR 64.9(a)(2), Minn. R. 7017.0200]
TREA 32	35770	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 64.9(b), Minn. R. 7017.0200]
TREA 33	16440	The Permittee must operate and maintain control equipment such that it achieves a control efficiency for Particulate Matter >= 99 percent control efficiency. [Minn. R. 7011.0070, subp. 1(A), Title I Condition: Avoid major modification under 40 CFR 52.21(b)(2)(i) and Minn. R. 7007.3000]
TREA 33	16445	The Permittee must operate and maintain control equipment such that it achieves a control efficiency for PM < 10 micron >= 93 percent control efficiency. [Minn. R. 7011.0070, subp. 1(A), Title I Condition: Avoid major modification under 40 CFR 52.21(b)(2)(i) and Minn. R. 7007.3000]
TREA 33	16450	The Permittee must operate and maintain control equipment such that it achieves a control efficiency for PM < 2.5 micron >= 93 percent control efficiency. [Title I Condition: Avoid major modification under 40 CFR 52.21(b)(2)(i) and Minn. R. 7007.3000]

SI Id	Sequence	Requirement
TREA 33	17110	If the Permittee replaces TREA 33, the replacement control must meet or exceed the control efficiency requirements of TREA 33 as well as comply with all other requirements of TREA 33. Prior to making such a change, the Permittee must apply for and obtain the appropriate permit amendment, as applicable. If no amendment is needed for the replacement, the Permittee must submit an electronic notice to the Agency using Form CR-05. The notice must be received by the Agency seven working days prior to the commencement/start of replacement. [Title I Condition: Avoid major modification under 40 CFR 52.21(b)(2)(i) and Minn. R. 7007.3000]
TREA 33	17111	The control equipment is listed control equipment under Minn. R. 7011.0060 to 7011.0080. The Permittee shall vent emissions from any wood working units in COMG 5 to TREA 33 whenever any wood working units in COMG 5 operates, and operate and maintain TREA 33 at all times that any emissions are vented to TREA 33. The Permittee shall document periods of non-operation of the control equipment TREA 33 whenever any wood working units in COMG 5 are operating. [Minn. R. 7011.0075, subp. 1, Title I Condition: Avoid major modification under 40 CFR 52.21(b)(2)(i) and Minn. R. 7007.3000]
TREA 33	17130	Daily Inspections: The Permittee shall read and record the pressure drop across the fabric filter once every 24 hours. [40 CFR 64.3, Minn. R. 7017.0200, Title I Condition: Avoid major modification under 40 CFR 52.21(b)(2) and Minn. R. 7007.3000]
TREA 33	17145	The Permittee must operate and maintain the fabric filter in accordance with the Operation and Maintenance (O & M) Plan. The Permittee must keep copies of the O & M Plan available onsite for use by staff and MPCA staff. [Minn. R. 7007.0800, subp. 14]
TREA 33	17150	Recordkeeping of Visible Emissions and Pressure Drop: The Permittee shall record the time and date of each visible emission inspection and pressure drop reading, and whether or not any visible emissions were observed, 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 Deviations as defined by Minn. R. 7007.0100, subp. 8a. [40 CFR 64.9(b), Minn. R. 7017.0200, Title I Condition: Avoid major modification under 40 CFR 52.21(b)(2) and Minn. R. 7007.3000]
TREA 33	17150	Daily Inspections: The Permittee shall do the following, once every 24 hours: 1). Inspect the fabric filter stack STRU 2 for any visible emissions during daylight hours, except during inclement weather. If there are visible emissions, the emissions shall be considered uncontrolled until there are no longer visible emissions. The period of time for which there are visible emissions shall be reported as a deviation. 2). During inclement weather, read and record the pressure drop across the fabric filter. [40 CFR 64.3, Minn. R. 7017.0200, Title I Condition: Avoid major source under 40 CFR 52.21(b)(1)(i) and Minn. R. 7007.3000]
TREA 33	17160	Pressure Drop: 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 when the monitored fabric filter is in operation. [40 CFR 64.7(b), Minn. R. 7017.0200]
TREA 33	17160	Recordkeeping of Visible Emissions and Pressure Drop: The Permittee shall record the time and date of each visible emission inspection and pressure drop reading, and whether or not any visible emissions were observed, 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 Deviations as defined by Minn. R. 7007.0100, subp. 8a. [40 CFR 64.9(b), Minn. R. 7017.0200, Title I Condition: Avoid major source under 40 CFR 52.21(b)(1)(i) and Minn. R. 7007.3000]
TREA 33	17170	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 64.3, Minn. R. 7017.0200]
TREA 33	17180	Periodic Inspections: At least once per calendar quarter, or more frequently as required by the manufacturing specifications, the Permittee shall inspect the control equipment components. The Permittee shall maintain a written record of these inspections. [40 CFR 64.3, Minn. R. 7017.0200]

SI Id	Sequence	Requirement
TREA 33	17230	Corrective Actions: The Permittee shall take corrective action as soon as possible if any of the following occur: - visible emissions are observed; or - the recorded pressure drop is outside the required operating range; or - the fabric filter or any of its components are found during the inspections to need repair. Corrective actions shall return the pressure drop to within the permitted range, eliminate visible emissions, and/or include completion of necessary repairs identified during the inspection, as applicable. Corrective actions include, but are not limited to, those outlined in the O & M Plan for the fabric filter. The Permittee shall keep a record of the type and date of any corrective action taken for each filter. [40 CFR 64.7(d), Minn. R. 7017.0200]
TREA 33	17230	Pressure Drop >= 0.55 and <= 6.22 inches of water (Pressure Drop Range Limit), unless a new range is set pursuant to Minn. R. 7017.2025, subp. 3, as detailed below. If the recorded pressure drop is outside the required range, the emissions during that time shall be considered uncontrolled until the pressure drop is once again within the required range. The period of time for which the pressure drop is considered out of range shall be reported as a deviation. [40 CFR 64.3, Minn. R. 7011.0080, Minn. R. 7017.0200, Minn. R. 7017.2025, Title I Condition: Avoid major modification under 40 CFR 52.21(b)(2) and Minn. R. 7007.3000]
TREA 33	17240	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 64.9(b), Minn. R. 7017.0200]
TREA 33	17240	Protocol for Resetting the Pressure Drop Range Limit: The Permittee shall conduct performance testing to measure the PM/PM10/PM2.5 emission rate as required elsewhere in this permit. If the established Pressure Drop Range Limit is to be reset, the reset shall be based on the pressure drop values recorded during the most recent MPCA-approved performance test where compliance was demonstrated. During the performance test, the Permittee must continuously monitor the pressure drop. The Permittee must calculate the average pressure drop based on the average exhibited over all three compliant test runs. Downtime of 15 minutes or more is not to be included as operating time. The established Pressure Drop Range Limit shall be reset as follows: - if the 3-hour average pressure drop recorded during the test is within the established range, it shall not be reset and the established values remain the Pressure Drop Range Limit; or - if the 3-hour average pressure drop is below the minimum value of the established range, the new minimum value shall be reset to 50% of the average pressure drop from the test. The maximum value shall be decreased by the same amount to maintain the pressure drop range; or - if the 3-hour average pressure drop is above the maximum value of the established range, the new maximum value shall be reset as the average pressure drop from the test plus 10%. The minimum value shall be increased by the same amount to maintain the pressure drop range. The pressure drop range is equal to the maximum value (upper bound) minus the minimum value (lower bound). Ongoing compliance with the Pressure Drop Range Limit will be determined using the same data acquisition and reduction as was used during the performance test. The new Pressure Drop Range Limit shall be effective upon receipt of the Notice of Compliance letter that approves the test results and shall be incorporated into the permit when the permit is next amended. [Minn. R. 7017.2025, Title I Condition: Avoid major modification under
TREA 33	17260	The Permittee must apply for and obtain a major permit amendment if the Permittee wishes to deviate from the Protocol for Re-setting the Pressure Drop Range Limit required by this permit. [Minn. R. 7007.1500, subp. 1]

SI Id	Sequence	Requirement
TREA 33	17260	Notwithstanding the Protocol detailed above, the MPCA reserves the right to set operational limits and requirements as allowed under Minn. R. 7017.2025. If the MPCA sets limits, the new limits shall be implemented upon receipt of the follow up compliance letter that notifies the Permittee of preliminary approval. The limits set according to Minn. R. 7017.2025 are final upon issuance of a permit amendment incorporating the change. [Minn. R. 7017.2025]
TREA 33	18400	The Permittee shall maintain each piece of control equipment according to the control equipment manufacturer's specifications, and shall: A. maintain an inventory of spare parts that are subject to frequent replacement, as required by the manufacturing specification or documented in records under items H and I; B. train staff on the operation and monitoring of control equipment and troubleshooting, and train and require staff to respond to indications of malfunctioning equipment; C. thoroughly inspect all control equipment at least annually, or as required by the manufacturing specification; D. inspect monthly, or as required by the manufacturing specification, components that are subject to wear or plugging, for example: bearings, belts, hoses, fans, nozzles, orifices, and ducts; E. inspect quarterly, or as required by the manufacturing specification, components that are not subject to wear including structural components, housings, ducts, and hoods; F. check daily, or as required by the manufacturing specification, monitoring equipment, for example: pressure gauges, chart recorders, temperature indicators, and recorders; G. calibrate (or replace) annually, or as required by the manufacturing specification, all monitoring equipment; H. maintain a record of activities conducted in items A to G consisting of the activity completed, the date the activity was completed, and any corrective action taken; and I. maintain a record of parts replaced, repaired, or modified for the previous five years. [Minn. R. 7011.0075, subp. 2, Title I Condition: Avoid major source under 40 CFR 52.21(b)(2) and Minn. R. 7007.3000]
TREA 33	35750	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 change. [40 CFR 64.7(e), Minn. R. 7017.0200]
TREA 33	35760	As required by 40 CFR 64.9(a)(2), for the Semi-Annual Deviations Report required by this permit and/or the Notification of Deviations Endangering Human Health and the Environment required by 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 action taken; and 2) Summary information on the number, duration, and cause for monitor downtime incidents. [40 CFR 64.9(a)(2), Minn. R. 7017.0200]
TREA 41	16440	The Permittee must vent emissions from EQUI 204 to TREA 41 whenever EQUI 204 operates, and operate and maintain TREA 41 at all times that any emissions are vented to TREA 41. The Permittee must document periods of non-operation of the control equipment TREA 41 whenever EQUI 204 is operating. [Minn. R. 7007.0800, subp. 2(A) & (B), Minn. R. 7009.0020-7009.0090, Minn. Stat. 116.07, subd. 4a(a), Title I Condition: Avoid major source under 40 CFR 52.21(b)(1)(i) and Minn. R. 7007.3000]
TREA 41	16450	The Permittee must use a 2-ply panel filter or 2 single ply filters in series to achieve a combined control efficiency as required by this permit. [Minn. R. 7007.0800, subp. 2(A) & (B), Minn. R. 7009.0020-7009.0090, Minn. Stat. 116.07, subd. 4a(a), Title I Condition: Avoid major source under 40 CFR 52.21(b)(1)(i)(C) and Minn. R. 7007.3000]
TREA 41	16450	If the Permittee replaces TREA 41, the replacement control must meet or exceed the control efficiency requirements of TREA 41 as well as comply with all other requirements of TREA 41. Prior to making such a change, the Permittee must apply for and obtain the appropriate permit amendment, as applicable. If no amendment is needed for the replacement, the Permittee must submit an electronic notice to the Agency using Form CR-05. The notice must be received by the Agency seven working days prior to the commencement/start of replacement. [Minn. R. 7007.0800, subp. 2(A) & (B), Minn. R. 7009.0020-7009.0090, Minn. Stat. 116.07, subd. 4a(a), Title I Condition: Avoid major source under 40 CFR 52.21(b)(1)(i)(C) and Minn. R. 7007.3000]
TREA 41	17280	The Permittee must operate and maintain control equipment such that it achieves a control efficiency for Particulate Matter >= 97.8 percent control efficiency. [Title I Condition: Avoid major source under 40 CFR 52.21(b)(1)(i)(C) and Minn. R. 7007.3000]

SI Id	Sequence	Requirement
TREA 41	17290	The Permittee must operate and maintain control equipment such that it achieves a control efficiency for PM < 10 micron >= 97.8 percent control efficiency. [Title I Condition: Avoid major source under 40 CFR 52.21(b)(1)(i)(C) and Minn. R. 7007.3000]
TREA 41	17300	The Permittee must operate and maintain control equipment such that it achieves a control efficiency for PM < 2.5 micron >= 97.8 percent control efficiency. [Title I Condition: Avoid major source under 40 CFR 52.21(b)(1)(i)(C) and Minn. R. 7007.3000]
TREA 41	17310	The Permittee must operate and maintain the panel filter in accordance with the Operation and Maintenance (O & M) Plan. The Permittee must keep copies of the O & M Plan available onsite for use by staff and MPCA staff. [Minn. R. 7007.0800, subp. 14]
TREA 41	17340	Daily Inspections: At least once per 24-hour period, the Permittee shall visually inspect the condition of the 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. [40 CFR 64.3, 40 CFR 64.9(b), Minn. R. 7017.0200, Title I Condition: Avoid major source under 40 CFR 52.21(b)(1)(i)(C) and Minn. R. 7007.3000]
TREA 41	17360	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. [40 CFR 64.3, Minn. R. 7017.0200]
TREA 41	17365	Corrective Actions: The Permittee shall take corrective action as soon as possible if the panel filter or any of its components are found during the inspections to need repair. 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 panel filter. The Permittee shall keep a record of the type and date of any corrective action taken for the panel filter. [40 CFR 64.7(d), Minn. R. 7017.0200]
TREA 41	35750	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 change. [40 CFR 64.7(e), Minn. R. 7017.0200]
TREA 41	35760	As required by 40 CFR 64.9(a)(2), for the Semi-Annual Deviations Report required by this permit and/or the Notification of Deviations Endangering Human Health and the Environment required by 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 action taken; and 2) Summary information on the number, duration, and cause for monitor downtime incidents. [40 CFR 64.9(a)(2), Minn. R. 7017.0200]
TREA 41	35770	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 64.9(b), Minn. R. 7017.0200]
TREA 42	16440	The Permittee must vent emissions from EQUI 205 to TREA 42 whenever EQUI 205 operates, and operate and maintain TREA 42 at all times that any emissions are vented to TREA 42. The Permittee must document periods of non-operation of the control equipment TREA 42 whenever EQUI 205 is operating. [Minn. R. 7007.0800, subp. 2(A) & (B), Minn. R. 7009.0020-7009.0090, Minn. Stat. 116.07, subd. 4a(a), Title I Condition: Avoid major source under 40 CFR 52.21(b)(1)(i)(C) and Minn. R. 7007.3000]
TREA 42	16450	The Permittee must use a 2-ply panel filter or 2 single ply filters in series to achieve a combined control efficiency as required by this permit. [Minn. R. 7007.0800, subp. 2(A) & (B), Minn. R. 7009.0020-7009.0090, Minn. Stat. 116.07, subd. 4a(a), Title I Condition: Avoid major source under 40 CFR 52.21(b)(1)(i)(C) and Minn. R. 7007.3000]

SI Id	Sequence	Requirement
TREA 42	16450	If the Permittee replaces TREA 42 Minn. R. 7007.0800, subp. 2(A) & (B), Minn. R. 7009.0020-7009.0090, Minn. Stat. 116.07, subd. 4a(a), Title I Condition: Avoid major source under 40 CFR 52.21(b)(1)(i)(C) and Minn. R. 7007.3000 , the replacement control must meet or exceed the control efficiency requirements of TREA 42 as well as comply with all other requirements of TREA 42 . Prior to making such a change, the Permittee must apply for and obtain the appropriate permit amendment, as applicable. If no amendment is needed for the replacement, the Permittee must submit an electronic notice to the Agency using Form CR-05. The notice must be received by the Agency seven working days prior to the commencement/start of replacement. [Title I Condition: Avoid major source under 40 CFR 52.21(b)(1)(i)(C) and Minn. R. 7007.3000]
TREA 42	17280	The Permittee must operate and maintain control equipment such that it achieves a control efficiency for Particulate Matter >= 97.8 percent control efficiency. [Title I Condition: Avoid major source under 40 CFR 52.21(b)(1)(i)(C) and Minn. R. 7007.3000]
TREA 42	17290	The Permittee must operate and maintain control equipment such that it achieves a control efficiency for PM < 10 micron >= 97.8 percent control efficiency. [Title I Condition: Avoid major source under 40 CFR 52.21(b)(1)(i)(C) and Minn. R. 7007.3000]
TREA 42	17300	The Permittee must operate and maintain control equipment such that it achieves a control efficiency for PM < 2.5 micron >= 97.8 percent control efficiency. [Title I Condition: Avoid major source under 40 CFR 52.21(b)(1)(i)(C) and Minn. R. 7007.3000]
TREA 42	17310	The Permittee must operate and maintain the panel filter in accordance with the Operation and Maintenance (O & M) Plan. The Permittee must keep copies of the O & M Plan available onsite for use by staff and MPCA staff. [Minn. R. 7007.0800, subp. 14]
TREA 42	17340	Daily Inspections: At least once per 24-hour period, the Permittee shall visually inspect the condition of the 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. [40 CFR 64.3, 40 CFR 64.9(b), Minn. R. 7017.0200, Title I Condition: Avoid major source under 40 CFR 52.21(b)(1)(i)(C) and Minn. R. 7007.3000]
TREA 42	17360	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. [40 CFR 64.3, Minn. R. 7017.0200]
TREA 42	17365	Corrective Actions: The Permittee shall take corrective action as soon as possible if the panel filter or any of its components are found during the inspections to need repair. 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 panel filter. The Permittee shall keep a record of the type and date of any corrective action taken for the panel filter. [40 CFR 64.7(d), Minn. R. 7017.0200]
TREA 42	35750	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 change. [40 CFR 64.7(e), Minn. R. 7017.0200]
TREA 42	35760	As required by 40 CFR 64.9(a)(2), for the Semi-Annual Deviations Report required by this permit and/or the Notification of Deviations Endangering Human Health and the Environment required by 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 action taken; and 2) Summary information on the number, duration, and cause for monitor downtime incidents. [40 CFR 64.9(a)(2), Minn. R. 7017.0200]
TREA 42	35770	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 64.9(b), Minn. R. 7017.0200]

SI Id	Sequence	Requirement
TREA 43	1	The Permittee must operate and maintain control equipment such that it achieves a control efficiency for Particulate Matter >= 99 percent control efficiency. [Minn. R. 7011.0070, subp. 1(A), Title I Condition: Avoid major modification under 40 CFR 52.21(b)(2) and Minn. R. 7007.3000]
TREA 43	2	The Permittee must operate and maintain control equipment such that it achieves a control efficiency for PM < 10 micron >= 93 percent control efficiency. [Minn. R. 7011.0070, subp. 1(A), Title I Condition: Avoid major modification under 40 CFR 52.21(b)(2) and Minn. R. 7007.3000]
TREA 43	3	The Permittee must operate and maintain control equipment such that it achieves a control efficiency for PM < 2.5 micron >= 93 percent control efficiency. [Title I Condition: Avoid major modification under 40 CFR 52.21(b)(2) and Minn. R. 7007.3000]
TREA 43	4	The control equipment is listed control equipment under Minn. R. 7011.0060 to 7011.0080. The Permittee shall vent emissions from any wood working units in COMG 5 to TREA 43 whenever any wood working units in COMG 5 operates, and operate and maintain TREA 43 at all times that any emissions are vented to TREA 43. The Permittee shall document periods of non-operation of the control equipment TREA 43 whenever any wood working units in COMG 5 are operating. [Minn. R. 7011.0075, subp. 1, Title I Condition: Avoid major modification under 40 CFR 52.21(b)(2) and Minn. R. 7007.3000]
TREA 43	16450	If the Permittee replaces TREA 43, the replacement control must meet or exceed the control efficiency requirements of TREA 43 as well as comply with all other requirements of TREA 43. Prior to making such a change, the Permittee must apply for and obtain the appropriate permit amendment, as applicable. If no amendment is needed for the replacement, the Permittee must submit an electronic notice to the Agency using Form CR-05. The notice must be received by the Agency seven working days prior to the commencement/start of replacement. [Title I Condition: Avoid major modification under 40 CFR 52.21(b)(2) and Minn. R. 7007.3000]
TREA 43	17140	The Permittee must operate and maintain the fabric filter in accordance with the Operation and Maintenance (O & M) Plan. The Permittee must keep copies of the O & M Plan available onsite for use by staff and MPCA staff. [Minn. R. 7007.0800, subp. 14]
TREA 43	17150	Daily Inspections: The Permittee shall do the following, once every 24 hours: 1). Inspect the fabric filter stack STRU 73 for any visible emissions during daylight hours, except during inclement weather. If there are visible emissions, the emissions shall be considered uncontrolled until there are no longer visible emissions. The period of time for which there are visible emissions shall be reported as a deviation. 2). During inclement weather, read and record the pressure drop across the fabric filter. [40 CFR 64.3, Minn. R. 7017.0200, Title I Condition: Avoid major modification under 40 CFR 52.21(b)(2) and Minn. R. 7007.3000]
TREA 43	17160	Recordkeeping of Visible Emissions and Pressure Drop: The Permittee shall record the time and date of each visible emission inspection and pressure drop reading, and whether or not any visible emissions were observed, 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 Deviations as defined by Minn. R. 7007.0100, subp. 8a. [40 CFR 64.9(b), Minn. R. 7017.0200, Title I Condition: Avoid major modification under 40 CFR 52.21(b)(2) and Minn. R. 7007.3000]
TREA 43	17161	Pressure Drop >= 0.5 and <= 4.0 inches of water (Pressure Drop Range Limit), unless a new range is set pursuant to Minn. R. 7017.2025, subp. 3, as detailed below. If the recorded pressure drop is outside the required range, the emissions during that time shall be considered uncontrolled until the pressure drop is once again within the required range. The period of time for which the pressure drop is considered out of range shall be reported as a deviation. [40 CFR 64.3, Minn. R. 7017.0200, Minn. R. 7017.2025, Title I Condition: Avoid major modification under 40 CFR 52.21(b)(2) and Minn. R. 7007.3000]
TREA 43	17170	Pressure Drop: 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 when the monitored fabric filter is in operation. [40 CFR 64.7(b), Minn. R. 7017.0200]
TREA 43	17180	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 64.3, Minn. R. 7017.0200]
TREA 43	17190	Periodic Inspections: At least once per calendar quarter, or more frequently as required by the manufacturing specifications, the Permittee shall inspect the control equipment components. The Permittee shall maintain a written record of these inspections. [40 CFR 64.3, Minn. R. 7017.0200]

SI Id	Sequence	Requirement
TREA 43	17200	Corrective Actions: The Permittee shall take corrective action as soon as possible if any of the following occur: - visible emissions are observed; or - the recorded pressure drop is outside the required operating range; or - the fabric filter or any of its components are found during the inspections to need repair. Corrective actions shall return the pressure drop to within the permitted range, eliminate visible emissions, and/or include completion of necessary repairs identified during the inspection, as applicable. Corrective actions include, but are not limited to, those outlined in the O & M Plan for the fabric filter. The Permittee shall keep a record of the type and date of any corrective action taken for each filter. [40 CFR 64.7(d), Minn. R. 7017.0200]
TREA 43	17240	Protocol for Resetting the Pressure Drop Range Limit: The Permittee shall conduct performance testing to measure the PM/PM10/PM2.5 emission rate as required elsewhere in this permit. If the established Pressure Drop Range Limit is to be reset, the reset shall be based on the pressure drop values recorded during the most recent MPCA-approved performance test where compliance was demonstrated. During the performance test, the Permittee must continuously monitor the pressure drop. The Permittee must calculate the average pressure drop based on the average exhibited over all three compliant test runs. Downtime of 15 minutes or more is not to be included as operating time. The established Pressure Drop Range Limit shall be reset as follows: - if the 3-hour average pressure drop recorded during the test is within the established range, it shall not be reset and the established values remain the Pressure Drop Range Limit; or - if the 3-hour average pressure drop is below the minimum value of the established range, the new minimum value shall be reset to 50% of the average pressure drop from the test. The maximum value shall be decreased by the same amount to maintain the pressure drop range; or - if the 3-hour average pressure drop is above the maximum value of the established range, the new maximum value shall be reset as the average pressure drop from the test plus 10%. The minimum value shall be increased by the same amount to maintain the pressure drop range. The pressure drop range is equal to the maximum value (upper bound) minus the minimum value (lower bound). Ongoing compliance with the Pressure Drop Range Limit will be determined using the same data acquisition and reduction as was used during the performance test. The new Pressure Drop Range Limit shall be effective upon receipt of the follow up compliance letter that approves the test results and shall be incorporated into the permit when the permit is next amended. [Minn. R. 7017.2025, Title I Condition: Avoid major modification under
TREA 43	17250	The Permittee must apply for and obtain a major permit amendment if the Permittee wishes to deviate from the Protocol for Re-setting the Pressure Drop Range Limit required by this permit. [Minn. R. 7007.1500, subp. 1]
TREA 43	17260	Notwithstanding the Protocol detailed above, the MPCA reserves the right to set operational limits and requirements as allowed under Minn. R. 7017.2025. If the MPCA sets limits, the new limits shall be implemented upon receipt of the follow up compliance letter that notifies the Permittee of preliminary approval. The limits set according to Minn. R. 7017.2025 are final upon issuance of a permit amendment incorporating the change. [Minn. R. 7017.2025]
TREA 43	18380	Corrective Actions: The Permittee must take corrective action as soon as possible if any of the following occur: - visible emissions are observed; - the recorded pressure drop is outside the required operating range; or - the fabric filter or any of its components are found during the inspections to need repair. Corrective actions must return the pressure drop to within the permitted range, eliminate visible emissions, and/or include completion of necessary repairs identified during the inspection, as applicable. Corrective actions include, but are not limited to, those outlined in the O & M Plan for the fabric filter. The Permittee must keep a record of the type and date of any corrective action taken for each filter. [Minn. R. 7007.0800, subp. 14, Minn. R. 7007.0800, subp. 2(A), Minn. R. 7007.0800, subp. 5]

SI Id	Sequence	Requirement
TREA 43	18390	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 when the monitored fabric filter is in operation. [Minn. R. 7011.0075, subp. 3]
TREA 43	18400	The Permittee shall maintain each piece of control equipment according to the control equipment manufacturer's specifications, and shall: A. maintain an inventory of spare parts that are subject to frequent replacement, as required by the manufacturing specification or documented in records under items H and I; B. train staff on the operation and monitoring of control equipment and troubleshooting, and train and require staff to respond to indications of malfunctioning equipment; C. thoroughly inspect all control equipment at least annually, or as required by the manufacturing specification; D. inspect monthly, or as required by the manufacturing specification, components that are subject to wear or plugging, for example: bearings, belts, hoses, fans, nozzles, orifices, and ducts; E. inspect quarterly, or as required by the manufacturing specification, components that are not subject to wear including structural components, housings, ducts, and hoods; F. check daily, or as required by the manufacturing specification, monitoring equipment, for example: pressure gauges, chart recorders, temperature indicators, and recorders; G. calibrate (or replace) annually, or as required by the manufacturing specification, all monitoring equipment; H. maintain a record of activities conducted in items A to G consisting of the activity completed, the date the activity was completed, and any corrective action taken; and I. maintain a record of parts replaced, repaired, or modified for the previous five years. [Minn. R. 7011.0075, subp. 2, Title I Condition: Avoid major source under 40 CFR 52.21(b)(2) and Minn. R. 7007.3000]
TREA 43	18450	The Permittee must apply for and obtain a major permit amendment if the Permittee wishes to deviate from the Protocol for Re-setting the Pressure Drop Range Limit required by this permit. [Minn. R. 7007.1500, subp. 1]
TREA 43	18460	Notwithstanding the Protocol detailed above, the MPCA reserves the right to set operational limits and requirements as allowed under Minn. R. 7017.2025. If the MPCA sets limits, the new limits shall be implemented upon receipt of the follow up compliance letter that notifies the Permittee of preliminary approval. The limits set according to Minn. R. 7017.2025 are final upon issuance of a permit amendment incorporating the change. [Minn. R. 7017.2025]
TREA 43	35750	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 change. [40 CFR 64.7(e), Minn. R. 7017.0200]
TREA 43	35760	As required by 40 CFR 64.9(a)(2), for the Semi-Annual Deviations Report required by this permit and/or the Notification of Deviations Endangering Human Health and the Environment required by 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 action taken; and 2) Summary information on the number, duration, and cause for monitor downtime incidents. [40 CFR 64.9(a)(2), Minn. R. 7017.0200]
TREA 43	35770	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 64.9(b), Minn. R. 7017.0200]

TSD Attachment 3. Proposal to demonstrate compliance with NAAQS for PM10 and PM2.5

October 2, 2025

AQPS Manager
Minnesota Pollution Control Agency
520 Lafayette Road North
St. Paul, Minnesota 55155-4194

Re: NAAQS Compliance Demonstration Plan for acpi Wood Products, LLC

Dear AQPS Manager,

As required by Condition 6.1.4 in Air Emission Permit No. 01900022-104, acpi Wood Products LLC (acpi) must submit a Plan for demonstrating compliance with PM_{10} daily and $PM_{2.5}$ daily and annual National Primary and Secondary Ambient Air Quality Standards (NAAQS) within 30 calendar days after permit issuance.

acpi's proposed plan to demonstrate compliance with the subject NAAQS is to complete an ambient air quality dispersion modeling analysis following the procedures specified in the Minnesota Pollution Control Agency (MPCA) Air Dispersion Modeling Practices guideline (Document Number aq2-58). A NAAQS compliance modeling protocol detailing the proposed analysis will be submitted within 365 days after permit issuance in accordance with Condition 6.1.4 of Air Emissions Permit No. 01900022-104.

If you have any questions regarding the proposed plan to demonstrate compliance with the subject NAAQS, please do not hesitate to contact me at 651-808-7001.

Sincerely,

Plant Manager

Oscar Gerardo Zambrano Garcia

c. Greg Raetz, HDR Engineering, Inc.

MINNESOTA POLLUTION CONTROL AGENCY

520 Lafayette Road North | St. Paul, Minnesota 55155-4194 | 651-296-6300

800-657-3864 | Use your preferred relay service | info.pca@state.mn.us | Equal Opportunity Employer

May 26, 2026

Mr. Oscar Gerardo Zambrano Garcia
Plant Manager
acpi Wood Products LLC
180 Industrial Blvd
Waconia, MN 55387-1736

RE: Response Letter to acpi NAAQS Compliance Plan, to acpi Wood Products LLC, for Their Facility Located at 180 Industrial Boulevard**,** Waconia, Carver County, Minnesota

Dear Oscar Gerardo Zambrano Garcia:

The Minnesota Pollution Control Agency (MPCA) reviewed the National Ambient Air Quality Standards (NAAQS) compliance demonstration plan submitted by acpi Wood Products, LLC (acpi) and received by the MPCA on October 6, 2025. acpi submitted this plan within 60 days of the issuance of Air Emission Permit No. 01900022-104, meeting the deadline set in condition 6.1.4 of that permit. The MPCA determined that the plan is approvable for the daily PM_{10} NAAQS and for the $PM_{2.5}$ daily and annual NAAQS.

In its submittal, acpi commits to completing ambient air quality dispersion modeling analyses for PM_{10} (daily) and $PM_{2.5}$ (daily and annual). The company will provide NAAQS compliance modeling protocols to the MPCA by September 3, 2026 for the three compliance demonstrations, as required by condition 6.1.4 of the permit. Condition 6.1.4 also requires completion of the NAAQS compliance demonstrations within 547 days of permit issuance, so acpi must submit the demonstrations to the MPCA on or before March 4, 2027.

If you have questions or would like to discuss this letter, please contact the MPCA at AQPS.Modeling.MPCA@state.mn.us.

Sincerely,

Steven S. Pak

This document has been electronically signed.

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

SSP/MMM:lao

Enclosures

cc: Kyle Kraft, acpi Wood Products LLC
Gregory Raetz, HDR Inc.
Tim Schwarz, MPCA
Megumi Muramoto-Mathieu, MPCA