TRC

999 Fourier Dr., Ste. 101
Madison, WI 53717

t 608.826.3600

9/9/2026

Wisconsin Department of Natural Resources
Bureau of Air Management – AM/7
Construction Permits
PO Box 7921
Madison, WI 53707-7921

RECEIVED
OCT 19 2026
AIR MANAGEMENT

Subject: Construction Permit Application for New Wurster Coating Units
Coating Place, LLC., Verona, Wisconsin
Facility ID 113020380

On behalf of Coating Place, LLC. (Coating Place), TRC Environmental (TRC), a member of WSP Global Inc. (WSP), is submitting one enclosed, signed copy of an application for approval to install two new Wurster coating units at its facility in Verona. An additional electronic copy has been emailed to DNRAMAirPermit@wisconsin.gov. We have enclosed a check, payable to the Wisconsin Department of Natural Resources (DNR) for the initial permit application fee.

Coating Place operates the facility as authorized by Permit No. 113020380-P30. The DNR issued a construction permit on May 1, 2015, authorizing the operation of two new Wurster coating processes (Processes P47 and P48) using solvent-based coating formulations. Construction Permit No. 11-SML-107 also applied the federal emission standards for pharmaceutical manufacturers at 40 CFR Part 63, Subpart GGG (Pharma MACT), and, by reference, 40 CFR Part 63, Subpart H (Equipment Leaks), to the entire facility.

New Wurster Coating Units

Coating Place is proposing to construct two new coating units (Processes P49 [Coating Place Unit P2] and P50 [Coating Place Unit K4]). These new units are physically identical to the existing P48 (Coating Place Unit K3) coater, and, as sources of hazardous air pollutant emissions, will also be subject to the "new source" standards of the Pharma MACT. Solvent emissions from the new units will be controlled like other coaters at the facility, and Coating Place will use the same compliance system as implemented for the existing coaters. Coating Place anticipates that permit conditions for new P49 and P50 will be the same as existing P47 and P48. In March of 2020, DNR issued Construction Permit 19-ETE-130 for the construction of P49 and P50. However, Coating Place never constructed these coaters. This permit application for the coaters is essentially identical to the application for 19-ETE-130.

New Regenerative Thermal Oxidizer

Coating Place is proposing to construct a new regenerative thermal oxidizer (C07) as a control device redundant to the existing regenerative thermal oxidizer (C06). The new oxidizer would be configured to control emissions from all coaters currently controlled by C06. Each coater would be configured to exhaust to either control device. This will allow the facility to more efficiently schedule its batch operations and maintain its control devices. In March of 2020, DNR issued Construction Permit 19-ETE-130 for the construction of P49 and P50. However, Coating Place never constructed the catalytic oxidizer. Coating Place has opted instead for a regenerative thermal oxidizer for C07 in this application.

Processes P49 and P50 will have a combined potential-to-emit of 25.9 tons of VOC per year. However, Coating Place routinely emits less than 20 tons of VOC and HAPs per year facility-wide. Coating Place is proposing to continue to limit its facility-wide VOC emissions to 249 tons per year and HAP emissions to 202 tons per year with the addition of the new units.

Attached are the required permit forms and supporting documentation for the permit application for the proposed project. If you have any questions regarding the application, please contact me at (608) 826-3632 or Brian Snyder (608) 845-5110.

Sincerely,

TRC

David R. Bittrich, P.E., CHMM
Senior Project Manager

Attachments: NR 406 Construction Permit Application for New Wurster Coating Units
Facility Emissions Calculation Tables (electronic file via email)
Project MTE Calculation Tables (electronic file via email)

cc: Jason Corrao – Coating Place, LLC.
Brian Snyder – Coating Place, LLC.

Construction Permit Application for New Wurster Coating Units and Regenerative Thermal Oxidizer

Coating Place, LLC.
Verona, Wisconsin

Facility ID #113020380

September 2026

© 2013 TRC
All Rights Reserved

Attachment 1

Air Permit Application Forms

Note: In order to fill and save this form electronically, it must be opened using Adobe Reader or Acrobat software. Save a copy of the file, open Adobe Reader, select File > Open and browse for the file you saved.

RECEIVED
OCT 19 2026
AIR MANAGEMENT

State of Wisconsin
Department of Natural Resources
dnr.wi.gov

Facility Details and Permit Actions
Air Pollution Control Permit Application

Notice: Completion of this form is required by the department for any air pollution control permit application filed pursuant to ss. 285.61, 285.62 or 285.66, Wis. Stats. The department will not consider or act upon an application unless this form is submitted and complete. Any personal information collected will be used for administrative purposes only and may be provided to requestors to the extent required by Wisconsin's Public Records Law [ss. 19.31-19.39, Wis. Stats.].

Facility Information

1. Facility Name	2. SIC and NAICS	3. Facility ID Number (FID)
Coating Place LLC.	2834	113020380

4. Street Address (where pollution sources are/will be located)	5. ◉ City ○ Town ○ Village	6. County
200 Paoli St.	of Verona	Dane

7. Primary Operating Activity (e.g., lead-acid battery manufacturer or sulfite paper mill)
Wurster Fluid Bed Coating

8. Is the facility located in an area designated as "nonattainment"? (refer to instructions)	9. If yes, indicate the pollutant(s) for the nonattainment designation
○ Yes ◉ No	

Applicant Contact Information

10. Responsible Official (person legally responsible for the operation of the permitted air pollution sources [see NR 400.02(136), Wis. Adm. Code])

Responsible Official Name	Title		
Jason Corrao	Senior VP of Operations		
Mailing Address	**City**	**State**	**ZIP Code**
P.O. Box 930310	Verona	WI	53593
Email	**Phone Number**	**Ext.**	
jcorrao@encap.com	(608) 845-5169		

11. Permit Contact (contact for additional information concerning this permit application)

Permit Contact Name	Title		
Brian Snyder			
Mailing Address	**City**	**State**	**ZIP Code**
P.O. Box 930310	Verona	WI	53593
Email	**Phone Number**	**Ext.**	
bsnyder@encap.co	(608) 845-5110		

12. Billing Contact (contact for billing related information)

Billing Contact Name	Title		
Brian Snyder			
Mailing Address	**City**	**State**	**ZIP Code**
P.O. Box 930310	Verona	WI	53593
Email	**Phone Number**	**Ext.**	
bsnyder@encap.com	(920) 845-5110		

13. Parent Corporation (If not wholly owned by applicant)

Parent Corporation or Owner Name

Mailing Address	City	State	ZIP Code	Country (if not U.S.)
				Select Country

14. Additional Owner(s) (if the facility or portion of the facility is jointly owned by an additional owner)

Additional Corporation or Owner Name

Mailing Address	City	State	ZIP Code	Country (if not U.S.)
				Select Country

Portion of the facility jointly owned:

Additional Corporation or Owner Name

Mailing Address	City	State	ZIP Code	Country (if not U.S.)
				Select Country

Portion of the facility jointly owned:

Permit Information

15. Construction Permit Actions:

Instructions:

- If applying for a construction permit action (including modification, reconstruction, relocation, replacement, revision and exemption) and the facility currently holds an operation permit, this application will also be considered an application for the revision of the facility's current operation permit, unless the applicant indicates otherwise in item 16.
- If applying for a construction permit action (including modification, reconstruction, relocation, replacement, revision, and exemption) and the facility does not currently hold an operation permit, the applicant MUST also apply for an operation permit option by selecting the appropriate options in item 16.
- The department will not begin processing an application until the application fee is received. Application fees are listed below in section A. Additional fees may be required and a final invoice will be sent when a final permit decision is made. See ch. NR 410 for current fee amounts and additional review fees.

A. Construction Permit Actions:

◉ New Construction/Modification ($10,000) – Anticipated start dates: 06/01/2027 (Construction) 12/01/2028 (Operation)

☐ **Requesting Waiver to Commence Construction** under s. NR 406.03(2), Wis. Adm. Code (include a fee of $300 in addition to construction permit initial application fee of $10.000)

◯ Construction Permit Revision ($2,500 fee) – List permit(s) to be revised: _____

◯ Construction Permit solely to generate emission reduction credits (ERCs) for a Part 70 source ($7,500)

◯ Construction Permit solely to generate emission reduction credits (ERCs) for a non-Part 70 source ($2,500)

◯ **Project involves construction of over 10,000 square feet not within an existing structure.**

B. Construction Permit Exemption Determinations: (Select one ONLY if you are requesting a review and response from the department. The department will not respond to a request until the appropriate exemption fee listed below is received.)

◯ Controlled Actual Emissions Exemption under NR 406.04(1q) (for construction project only) ($2,200)

◯ Research and Testing Exemption Under NR 406.04(1)(i) ($2,200)

◯ Modification for Source with Plant-wide Applicability Limit under NR 406.04(1f) ($1,800 / $2,900 with modeling)

◯ Significant Net Emissions Increase under NR 406.04(1k) ($5,500 / $6,500 with modeling)

◯ General Exemption under NR 406.04(2) ($1,400)

◯ Specific Categories of Exemptions under NR 406.04(1) ($1,400) – **Enter appropriate code citation(s):** _____

See specific categories of exemptions: https://docs.legis.wisconsin.gov/code/admin_code/nr/400/406/04/1

◯ Other: _____

For more information on exemption citations: https://docs.legis.wisconsin.gov/code/admin_code/nr/400/406.pdf

C. Construction Permit Actions Application Fee:
How will the application fee be paid? (select only one)

◉ Check payable to Wis. Dept. of Natural Resources is enclosed with the application (paper copy submittals only).

◯ Check payable to Wis. Dept. of Natural Resources will be sent under a separate cover to the address listed under Submittal Options on this webpage: https://dnr.wisconsin.gov/topic/AirPermits/Apply.html

◯ E—Payment. Upon receipt of the application, the department will send an email to the Billing Contact with an invoice and instructions for paying electronically. A processing fee of 2.5% is added to payments made by credit or debit card. E-check and ACH payment options are also available.

The department will not process the application until the application fee is received. See Item 15 Sections A and B for application fee information for construction permit actions. There is no application fee required for operation permit actions.

16. Operation Permit Actions:

A. Operation Permit Actions (if applying for an operation permit select the type the facility is requesting. For Operation permit exemptions see section C):

- ○ Original Operation Permit
- ○ Renewal
- ◉ Revision

NOTE: For more information:

Note: List the permit to be renewed or revised: _____

B. Type of Operation Permit Requested (select one):

- ◉ Part 70 Source
- ○ Synthetic Minor, Non - Part 70 Source
- ○ Non - Part 70 Source
- ○ Elective

NOTE: Facilities that do not have a facility-wide operation permit issued MUST select the appropriate option. All other requests should indicate type of permit, to reflect continued or changing status.

C. Operation Permit Exemption Options (If applying for an operation permit exemption, select the type of exemption the facility is requesting)

- ○ Controlled Actual Emissions Exemption under NR 407.03(1m)
- ○ Natural Minor Source Exemption under NR 407.03(1s)
- ○ General Exemptions under NR 407.03(2)
- ○ Specific Categories of Exemptions under NR 407.03(1) - **Enter appropriate code citation(s):**

Note: Controlled Actual Emissions and Natural Minor Source Exemptions require revocation of existing operation permits.

See specific categories of exemptions: https://docs.legis.wisconsin.gov/document/administrativecode/NR 407.03(1)

17. For All Permit Actions:

Is additional information attached? ◉ Yes ○ No

Submit the completed application using either Option 1 or Option 2 below:

Option 1:

Email an ELECTRONIC COPY* to DNRAMAirPermit@wisconsin.gov.

* Applications must be signed by the Responsible Official for the source. If submitting an electronic application, the department will send an email with instructions for e-Signing or submitting an ink signature upon receipt of the electronic application. A photocopied or scanned signature does not meet the department's signature requirements. The department will not process and application until the signature is received.

OR

Option 2:

Mail the original copy of all materials with ink signature on this form to the address listed under Submittal Options on this webpage: https://dnr.wisconsin.gov/topic/AirPermits/Apply.html.

18. Signature of Responsible Official

Facility Name	Facility ID Number (FID)
Coating Place LLC.	113020380

A. Statement of Completeness:
I have reviewed this application in its entirety and, based on information and belief formed after reasonable inquiry, I certify that the statements and information contained in this application are true, accurate and complete.

B. Certification of Facility Compliance Status: (select one only)

This is not a requirement for initial non-part 70 source operation permit applications and initial applications for new or modified sources for which no construction permit is required. (NR 407.05(8))

(●) I certify that the facility described in this air pollution permit application is fully in compliance with all applicable requirements.

( ) I certify that the facility described in this air pollution permit application is fully in compliance with all applicable requirements, except for the following emissions unit(s) (list all non-complying units):

Signature of Responsible Official*

09-08-26
Date Signed

Jason J Corrao
Print or type name of Responsible Official

Senior VP of Operations
Print or type title of Responsible Official

* Applications must be signed by the Responsible Official for the source. If submitting an electronic application, the department will send an email with instructions for e-Signing or submitting an ink signature upon receipt of the electronic application. A photocopied or scanned signature does not meet the department's signature requirements. An electronic signature has the same effect of certifying the completeness and compliance status reflected in the above statements. The department will not begin processing an application until the signature is received.

State of Wisconsin
Department of Natural Resources
dnr.wi.gov

FACILITY PLOT PLAN
Air Pollution Control Permit Application

Notice: Completion of this form is required for any air pollution control permit application filed pursuant to ss. 285.61, 285.62 or 285.66, Wis. Stats. The department will not consider or act upon an application unless this form is submitted and is complete. Any personal information collected will be used for administrative purposes only and may be provided to requesters to the extent required by Wisconsin's Public Records Law [ss. 19.31-19.39, Wis. Stats.].

For a comprehensive air quality analysis to be accomplished, a facility plot plan must be included with the permit application. The plot plan must include the following for the permit application to be considered complete:

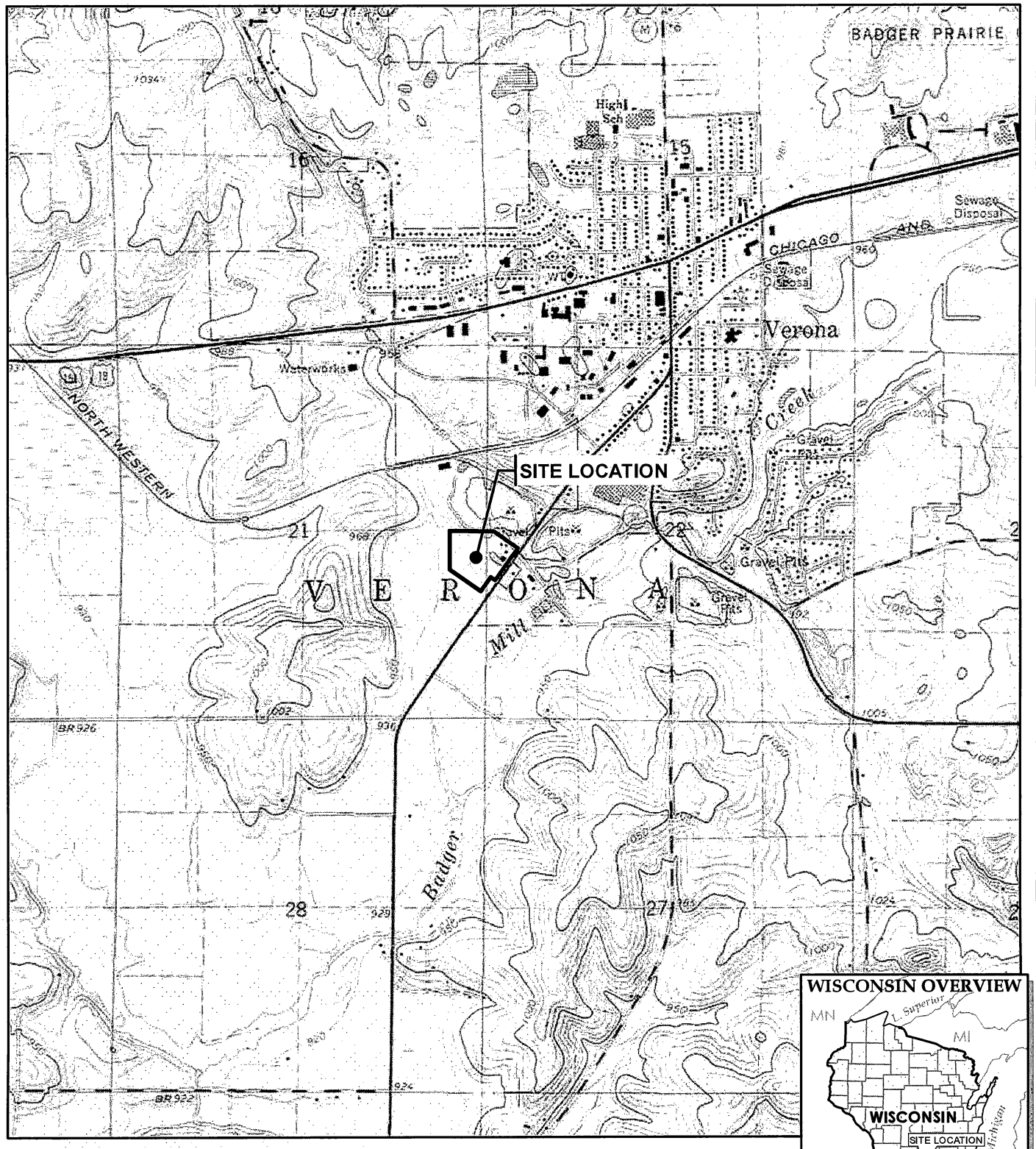
- ☐ 1. A layout (blueprint, plan view, annotated aerial photograph, or graphic submitted for land use zoning approvals) including all buildings occupied by or located on the site of the facility.
- ☐ 2. The maximum height, and eave height, of each building and solid structure (excluding stack height).
- ☐ 3. The location and numerical designation of each stack. The stack designations must correspond to the appropriate stack designations listed on the other permit forms in this application and/or designations in current permits issued to the facility.
- ☐ 4. The location of fenced property lines (if any).
- ☐ 5. Identify direction "North" on all submittals.
- ☐ 6. All drawings shall be to scale and shall have the scale graphically depicted.
- ☐ 7. An additional regional map depicting the facility location in relation to the surrounding vicinity (roads or other features) shall be included.

Are there any outdoor storage piles on the facility site? ○ Yes ◉ No

If so, what material(s) does the pile(s) consist of?

Are there any dirt roads or unpaved parking lots on the facility site? ○ Yes ◉ No

If so, describe:



BASE MAP FROM USGS 7.5 MINUTE TOPOGRAPHIC QUADRANGLE SERIES.

N

1 " = 2,000 '
1:24,000

0 2,000 4,000
FEET

TRC
708 Heartland Trail
Suite 3000
Madison, WI 53717
Phone: 608.826.3600
TRC - GIS

PROJECT:

COATING PLACE, LLC.
VERONA, WISCONSIN

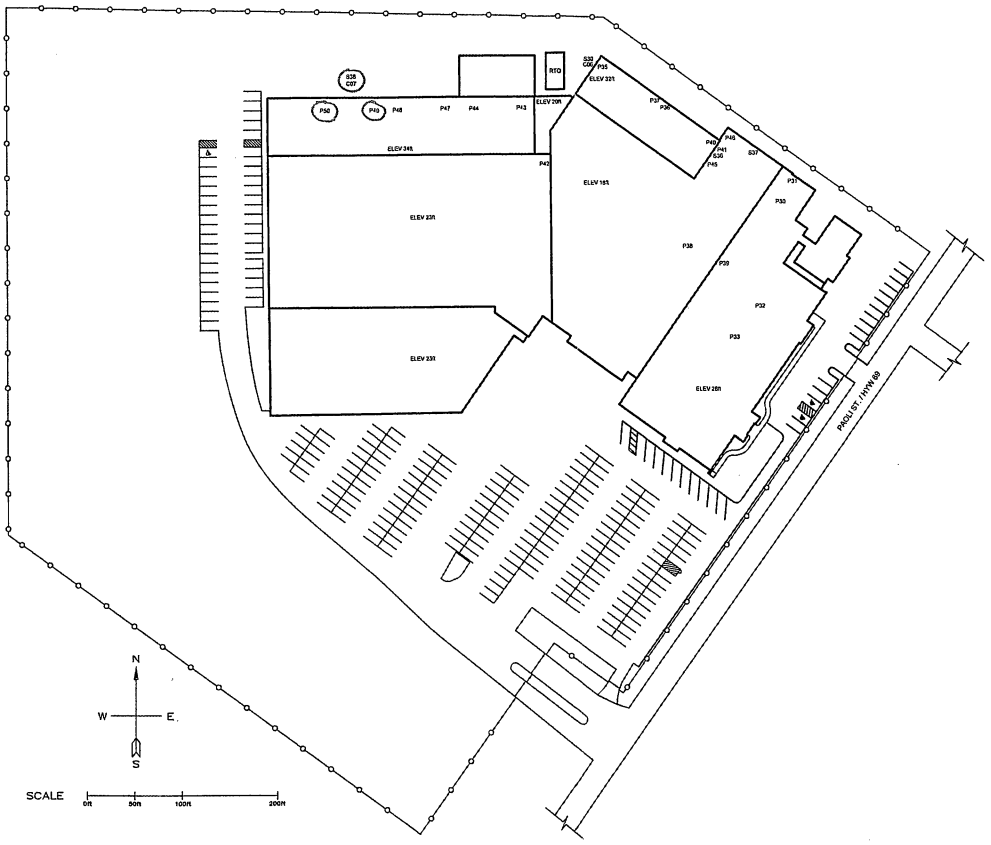
TITLE:

SITE LOCATION MAP

DRAWN BY:	S. MAJOR
CHECKED BY:	C. OLSON
APPROVED BY:	D. WHITFORD
DATE:	JUNE 2019
PROJ. NO.:	332057
FILE:	332057-001slm.mxd

FIGURE 1

S:\1-PROJECTS\CoatingPlace\Verona\2019-332057\332057-001slm.mxd – Saved By: SMAJOR on 6/18/2019, 16:20:14 PM



COATING PLACE

VERONA WI 53593

COATINGS

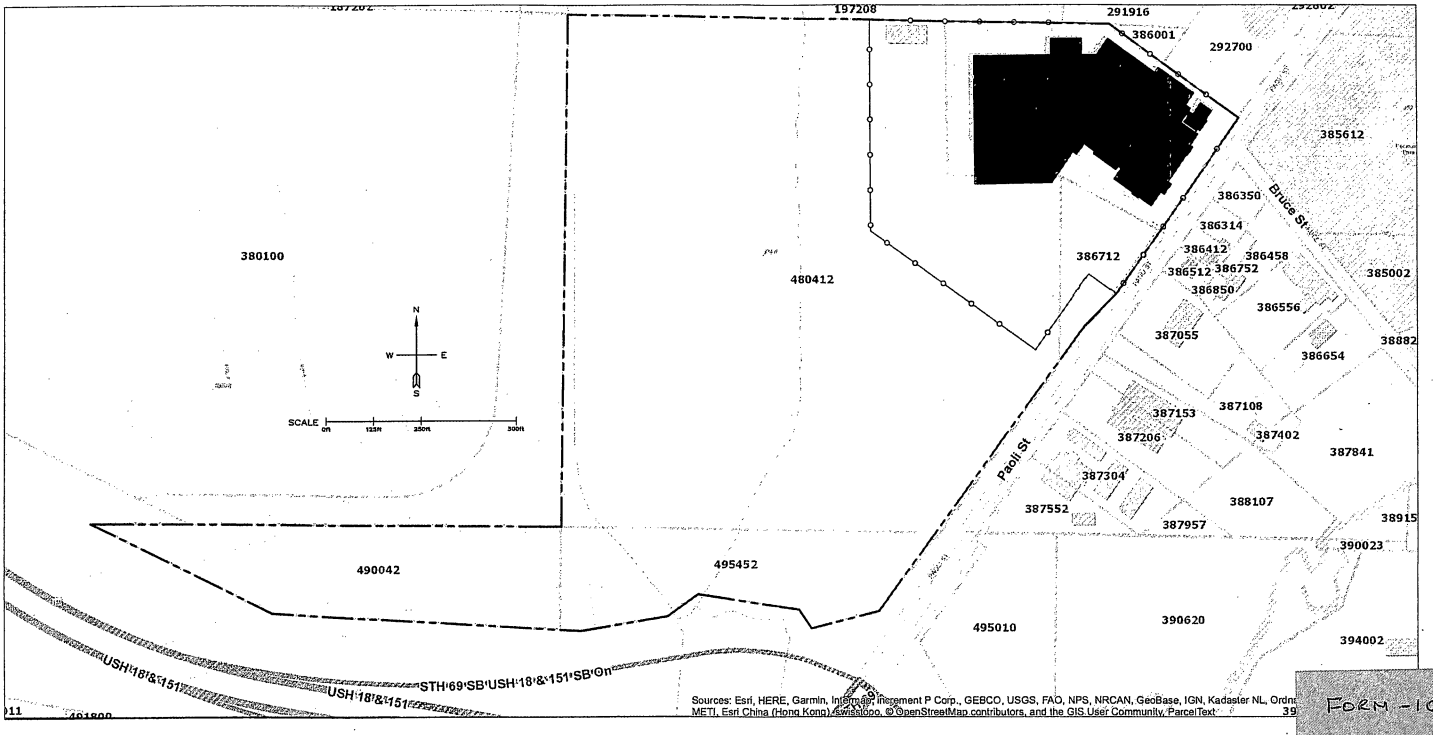
DRAWN BY:	PAS
DATE:	03-28-19
REVISED BY:	
REVISED DATE:	
SCALE:	1 : 100
DRAWING NUMBER:	FAC-11-1152

SHEET 1 OF 1

SIZE B | REV

DRAWING NAME:

COATING PLACE
FACILITY PROPERTY DNR MAP



FORM - 101

COATI
VERONA WI 53593

COATINGS

DRAWN BY:	PAS
DATE:	04-01-19
REVISED BY:	
REVISED DATE:	
SCALE:	1 : 250
DRAWING NUMBER:	FAC-11-1153

SHEET 1 OF 1
SIZE B
REV

DRAWING NAME:
COATING PLACE
FULL PROPERTY DNR MAP

State of Wisconsin
Department of Natural Resources
dnr.wi.gov

Source And Site Descriptions
Air Pollution Control Permit Application

Form 4530-102 (R 08/20) Information attached? ◉ Y ○ N

Notice: Completion of this form is required for any air pollution control permit application filed pursuant to ss. 285.61, 285.62 or 285.66, Wis. Stats. The department will not consider or act upon an application unless this form is submitted and complete. Any personal information collected will be used for administrative purposes only and may be provided to requesters to the extent required by Wisconsin's Public Records Law [ss. 19.31-19.39, Wis. Stats.].

1. Briefly describe the proposed project or existing Unit(s) to be permitted. Attached supplemental forms as needed.

Install two new Wurster coating units and a new control device:

Unit P2 (P49): 46" Wurster fluid bed coating unit

Unit K4 (P50): 46" Wurster fluid bed coating unit

RTO (C07): Regenerative thermal oxidizer

For OP Renewal Applications:

2. Were any emissions units permanently removed from operation since the last operation permit issuance date?

○ No.

○ Yes. List the emissions units and the dates they were removed:

Process, Stack	Process Description	Date Removed

3. Were any new or modified emissions units installed/modified at the facility since the last operation permit issuance date?

○ No. Proceed to form 4530-102A.

○ Yes. Complete the following table:

4. Use the following table to briefly describe any new/modified emissions units installed at the facility since the last operation permit issuance date. List any department issued construction permit, construction permit exemption and/or operation permit number(s) for each new/modified unit. If operation permit application forms were submitted for new/modified unit(s), reference the date of that application OR complete and include applicable forms 4530-103 through 4530-135. Note: Forms 4530-118 through 4530-125 are applicable to Part 70 sources only. Attach supplemental forms as needed.

Process, Stack	Process Description	Construction permit or exemption number or "not applicable"	Operation permit number or "not applicable"	Date operation permit application submitted OR	Forms attached
					☐
					☐
					☐
					☐
					☐

5. Site Description

See attached facility site plan.

State of Wisconsin
Department of Natural Resources
dnr.wi.gov

Source Description - Supplemental
Air Pollution Control Permit Application
Form 4530-102A (R 087/20) Information attached? ○ Y ◉ N

Notice: Completion of this form is required for any air pollution control permit application filed pursuant to ss. 285.61, 285.62 or 285.66, Wis. Stats. The department will not consider or act upon an application unless this form is completed and submitted. Any personal information collected will be used for administrative purposes only and may be provided to requesters to the extent required by Wisconsin's Public Records Law [ss. 19.31-19.39, Wis. Stats.].

1. List all significant existing or proposed air pollution emissions units, operations, and activities at the facility. Include a short description of each emissions unit (e.g., boiler, printing line, etc.) followed by equipment capacity. Identify and describe any control device(s). Include the date the unit was installed or last modified and the most recent construction permit or construction permit exemption for the unit. If the unit is not covered by a construction permit include "na". For Operation Permit Renewal Applications: Identify units that are new or modified since the current operation permit was issued by checking the appropriate box. For units that are new or modified since the current operation permit was issued identify the date the required application forms were submitted OR complete forms 4530-103 through 4530-133, as applicable. Note: forms 4530-118 through 4530-125 are required for Part 70 sources only.

							For OP Renewals Applications Only		
a. Process, Stack	b. Process Description	c. Capacity	d. Control Device(s)	e. Control Device Description(s)	f. Date Installed/ Last Modified	g. Construction Permit/exemption	h. New/modified since current OP issued?	i. For new/modified units: Date forms submitted	OR Forms attached
Process P30, Stack S30 or S38	9" Wurster Coating Unit – Unit A		Control Device C06 or C07	Regenerative Thermal Oxidizer (C06) or Regenerative Thermal Oxidizer (C07)			☐		☐
Process P31, Stack S30 or S38	18" Wurster Coating Unit – Unit B		Control Device C06 or C07	Regenerative Thermal Oxidizer (C06) or Regenerative Thermal Oxidizer (C07)			☐		☐
Process P32, Stack S30 or S38	18" Wurster Coating Unit – Unit H		Control Device C06 or C07	Regenerative Thermal Oxidizer (C06) or Regenerative Thermal Oxidizer (C07)			☐		☐
Process P33, Stack S30 or	Two 18" Wurster Coating Units – Unit L and M		Control Device C06 or C07	Regenerative Thermal Oxidizer (C06) or Regenerative			☐		☐

							For OP Renewals Applications Only		
a. Process, Stack	b. Process Description	c. Capacity	d. Control Device(s)	e. Control Device Description(s)	f. Date Installed/ Last Modified	g. Construction Permit/exemption	h. New/modified since current OP issued?	i. For new/modified units: Date forms submitted	OR Forms attached
S38, Control Device C				Thermal Oxidizer (C07)					
Process P35, Stack S30 or S38	46" Wurster Coating Unit – Unit P1		Control Device C06 or C07	Regenerative Thermal Oxidizer (C06) or Regenerative Thermal Oxidizer (C07)			☐		☐
Process P36, Stack S30 or S38	32" Wurster Coating Unit – Unit R		Control Device C06 or C07	Regenerative Thermal Oxidizer (C06) or Regenerative Thermal Oxidizer (C07)			☐		☐
Process P37, Stack S30 or S38	32" Wurster Coating Unit – Unit S		Control Device C06 or C07	Regenerative Thermal Oxidizer (C06) or Regenerative Thermal Oxidizer (C07)			☐		☐
Process P38, Stack S30 or S38	32" Wurster Coating Unit – Unit J1		Control Device C06 or C07	Regenerative Thermal Oxidizer (C06) or Regenerative Thermal Oxidizer (C07)			☐		☐
Process P39, Stack	46" Wurster Coating Unit – Unit K1		Control Device C06 or C07	Regenerative Thermal Oxidizer (C06) or			☐		☐

							For OP Renewals Applications Only		
a. Process, Stack	b. Process Description	c. Capacity	d. Control Device(s)	e. Control Device Description(s)	f. Date Installed/ Last Modified	g. Construction Permit/exemption	h. New/modified since current OP issued?	i. For new/modified units: Date forms submitted OR	Forms attached
S30 or S38				Regenerative Thermal Oxidizer (C07)					
Process P40, Stack S30 or S38	32" Wurster Coating Unit – Unit Q		Control Device C06 or C07	Regenerative Thermal Oxidizer (C06) or Regenerative Thermal Oxidizer (C07)			☐		☐
Process P41, Stack S30 or S38	12" Wurster Coating Unit – Unit D2		Control Device C06 or C07	Regenerative Thermal Oxidizer (C06) or Regenerative Thermal Oxidizer (C07)			☐		☐
Process P42, Stack S30 or S38	Vector Pan Coating Unit – Unit E		Control Device C06 or C07	Regenerative Thermal Oxidizer (C06) or Regenerative Thermal Oxidizer (C07)			☐		☐
Process P43, Stack S30 or S38	32" Wurster Coating Unit – Unit J2		Control Device C06 or C07	Regenerative Thermal Oxidizer (C06) or Regenerative Thermal Oxidizer (C07)			☐		☐
Process P44, Stack	46" Wurster Coating Unit – Unit K2		Control Device C06 or C07	Regenerative Thermal Oxidizer (C06) or Regenerative			☐		☐

							For OP Renewals Applications Only		
a. Process, Stack	b. Process Description	c. Capacity	d. Control Device(s)	e. Control Device Description(s)	f. Date Installed/ Last Modified	g. Construction Permit/exemption	h. New/modified since current OP issued?	i. For new/modified units: Date forms submitted OR	Forms attached
S30 or S38				Thermal Oxidizer (C07)					
Process P45, Stack S30 or S38	4x2 bench scale Wurster Coating Unit – Unit D1		Control Device C06 or C07	Regenerative Thermal Oxidizer (C06) or Regenerative Thermal Oxidizer (C07)			☐		☐
Process P46, Stack S30 or S38	4x2 bench scale Wurster Coating Unit – Unit D3		Control Device C06 or C07	Regenerative Thermal Oxidizer (C06) or Regenerative Thermal Oxidizer (C07)			☐		☐
Process P47, Stack S30 or S38	46" Wurster Coating Unit – Unit J3		Control Device C06 or C07	Regenerative Thermal Oxidizer (C06) or Regenerative Thermal Oxidizer (C07)			☐		☐
Process P48, Stack S30 or S38	46" Wurster Coating Unit – Unit K3		Control Device C06 or C07	Regenerative Thermal Oxidizer (C06) or Regenerative Thermal Oxidizer (C07)			☐		☐
Process P49, Stack	46" Wurster Coating Unit – Unit P2	201 g/ min/nozl.	Control Device C06 or C07	Regenerative Thermal Oxidizer (C06) or Regenerative			☐		☐

							For OP Renewals Applications Only		
a. Process, Stack	b. Process Description	c. Capacity	d. Control Device(s)	e. Control Device Description(s)	f. Date Installed/ Last Modified	g. Construction Permit/exemption	h. New/modified since current OP issued?	i. For new/modified units: Date forms submitted	OR Forms attached
S30 or S38				Thermal Oxidizer (C07)					
Process P50, Stack S30 or S38	46" Wurster Coating Unit – Unit K4	201 g/ min/nozl.	Control Device C06 or C07	Regenerative Thermal Oxidizer (C06) or Regenerative Thermal Oxidizer (C07)			☐		☐

State of Wisconsin
Department of Natural Resources
dnr.wi.gov

Source Description - Supplemental
Air Pollution Control Permit

Form 4530-102B (R 08/20) Information attached? ○ Y ◉ N

Notice: Completion of this form is required for any air pollution control permit application filed pursuant to ss. 285.61, 285.62 or 285.66, Wis Stats. The department will not consider or act upon an application unless this form is completed and submitted. Any personal information collected will be used for administrative purposes only and may be provided to requesters to the extent required by Wisconsin's Public Records Law [ss. 19.31-19.39, Wis. Stats.].

1. Identify all insignificant existing or proposed air pollution emissions units, operations and activities at the facility. For unit, operation and activity types that are not specifically listed, provide a short description of the emissions unit or activity (e.g., boiler, printing line, etc.) followed by equipment specifications. For Operation Permit Renewal Applications, identify those that are new or modified since the current operation permit was issued by checking the appropriate box. (See instruction booklet for an example Unit description.)

	For OP Renewal Applications: Check if unit, operation or activity is new or modified since issuance of current operation permit:
☒ Maintenance of Grounds, Equipment, and Buildings (lawn care, painting, etc.)	☐
☒ Boiler, Turbine, and HVAC System Maintenance	☐
☒ Pollution Control Equipment Maintenance	☐
☐ Internal Combustion Engines Used for Warehousing and Material Transport	☐
☐ Fire Control Equipment	☐
☒ Janitorial Activities	☐
☒ Office Activities	☐
☒ Convenience Water Heating	☐
☒ Convenience Space Heating (< 5 million BTU/hr Burning Gas, Liquid, or Wood)	☐
☐ Fuel Oil Storage Tanks (< 10,000 gal.)	☐
☐ Stockpiled Contaminated Soils	☐
☐ Demineralization and Oxygen Scavenging of Water for Boilers	☐
☐ Purging of Natural Gas Lines	☐
☒ Sanitary Sewer and Plumbing Venting	☐
☒ Portable gasoline-fired stand-by generator, 15 kW	☐
☒ Solvent storage room	☐
☒ Non-solvent based coating	☐

State of Wisconsin
Department of Natural Resources

STACK IDENTIFICATION
AIR POLLUTION CONTROL PERMIT APPLICATION
Form 4530-103 11-93 Information attached? **n** (y/n)

SEE INSTRUCTIONS ON REVERSE SIDE

1. Facility name:	2. Facility identification number:	3. Stack identification number:
Coating Place, LLC.	**113020380**	**S38**

4. Exhausting Unit(s), use Unit identification number from appropriate Form(s) 4530-104, 106, 107, 108 and/or 109

4530-104 4530-106 4530-107 4530-108 **P49, P50** 4530-109

5. Identify this stack on the plot plan required on Form 4530-101

6. Indicate by checking:
☑ This stack has an actual exhaust point. ☐ This stack serves to identify fugitive emissions.

If this stack has an actual exhaust point, then provide the following stack parameters

7. Discharge height above ground level: **36** (feet)

8. Inside dimensions at outlet (check one and complete):

☑ Circular **4.0** (feet) ☐ rectangular ____ length (feet) ____ width (feet)

9. Exhaust flow rate:

Normal **8,035** (ACFM) Maximum **25,000** (ACFM)

10. Exhaust gas temperature (normal): **1, 400** (°F)

11. Exhaust gas moisture content: Normal **1.0** volume percent Maximum **1.0** volume percent

12. Exhaust gas discharge direction: ☑ Up ☐ Down ☐ Horizontal

13. Is this stack equipped with a rainhat or any obstruction to the free flow of the exhaust gases from the stack? ☐ Yes ☑ No

***** Complete the appropriate Air Permit Application Forms(s) 4530-104, 106, 107, 108 or 109 for each Unit ***** exhausting through this stack.

State of Wisconsin
Department of Natural Resources

PAINTING AND COATING OPERATIONS
AIR POLLUTION CONTROL PERMIT APPLICATION
Form 4530-108 11-93 Information attached? **n** (y/n)

SEE INSTRUCTIONS ON REVERSE SIDE

1. Facility name: **Coating Place, LLC.**	2. Facility identification number: **113020380**
3. Stack identification number: **S30 or S38**	4. Process number: **P49**

4a. Unit description:

Unit P2 Wurster Coater

5. Indicate the control technology status. ☐ Uncontrolled ☑Controlled

If the process is controlled, enter the control device number(s) from the appropriate form(s):

4530-110 ____ 4530-111 ____ 4530-112 ____ 4530-113 **C06 or C07**
4530-114 ____ 4530-115 ____ 4530-116 ____ 4530-117

6. Application technique and transfer efficiency (%): **Fluid bed coating 100% transfer**

7. Date of construction or last modification: **8/1/2026 (proposed)**

8. Normal operating schedule: **24** hrs/day **3** days/wk **156** days/yr

9. Oven curing (complete if applicable): **NA**
Number of ovens _____ Specify oven fuels
Total Maximum Energy input to each oven:

10. Describe all of the coatings' and solvents' composition (as applied) that are used by this unit.

Name of coating a.	ct cg b.	T c.	Maximum usage d.		Normal usage e.	Solids % f.		VOC % g.		Water % h.		Coating or VOC Density i.	Pounds VOC/ gallon less H_2O j.
			gal/hr	gal/yr	gal/yr	W	V	W	V	W	V	lbs/gal	
Maximum VOC[1] content	**1**		**158**	**lb/yr**		**15**		**85**					
Maximum MeOH content	**1**		**158**	**lb/yr**		**15**		**85**					
[1] VOC will comprise various mixtures of methanol, ethanol, and isopropanol with non-VOC, such as water or acetone.													
Total coatings													
List the thinning solvents used with the coatings identified above.													
Clean-up solvents													
Clean-up solvents													
Other (specify)													

***** For this emissions unit, identify the method of compliance demonstration by completing Form 4530-118, ***** DESCRIPTION OF METHODS USED FOR DETERMINING COMPLIANCE. Attach Form 4530-118 and its attachment(s) to this form. This is not a requirement of non-Part 70 sources.

***** Please complete the Air Pollution Control Permit Application Forms 4530-126 and 4530-128 for this Unit. *****

Coating categories (ct. cg. - column b. above) should be entered as follows: 1 - for air dried coatings; 2 - for clear coatings; 3 - for cured coatings; 4 - for extreme performance coatings; 5 - for other (specify)

State of Wisconsin
Department of Natural Resources

PAINTING AND COATING OPERATIONS
AIR POLLUTION CONTROL PERMIT APPLICATION
Form 4530-108 11-93 Information attached? **n** (y/n)

SEE INSTRUCTIONS ON REVERSE SIDE

1. Facility name: **Coating Place, LLC.**	2. Facility identification number: **113020380**
3. Stack identification number: **S30 or S38**	4. Process number: **P50**

4a. Unit description:

Unit K4 Wurster Coater

5. Indicate the control technology status. ☐ Uncontrolled ☑ Controlled

If the process is controlled, enter the control device number(s) from the appropriate form(s):

4530-110 ____ 4530-111 ____ 4530-112 ____ 4530-113 **C06 or C07**
4530-114 ____ 4530-115 ____ 4530-116 ____ 4530-117

6. Application technique and transfer efficiency (%): **Fluid bed coating 100% transfer**

7. Date of construction or last modification: **8/1/2026 (proposed)**

8. Normal operating schedule: **24** hrs/day **3** days/wk **156** days/yr

9. Oven curing (complete if applicable): **NA**
Number of ovens _____ Specify oven fuels
Total Maximum Energy input to each oven:

10. Describe all of the coatings' and solvents' composition (as applied) that are used by this unit.

Name of coating a.	ct cg b.	T c.	Maximum usage d.		Normal usage e.	Solids % f.		VOC % g.		Water % h.		Coating or VOC Density i.	Pounds VOC/ gallon less H_2O j.
			gal/hr	gal/yr	gal/yr	W	V	W	V	W	V	lbs/gal	
Maximum VOC[1] content	**1**		**158**	**lb/yr**		**15**		**85**					
Maximum MeOH content	**1**		**158**	**lb/yr**		**15**		**85**					
[1] VOC will comprise various mixtures of methanol, ethanol, and isopropanol with non-VOC, such as water and/or acetone.													
Total coatings													
List the thinning solvents used with the coatings identified above.													
Clean-up solvents													
Clean-up solvents													
Other (specify)													

***** For this emissions unit, identify the method of compliance demonstration by completing Form 4530-118, ***** DESCRIPTION OF METHODS USED FOR DETERMINING COMPLIANCE. Attach Form 4530-118 and its attachment(s) to this form. This is not a requirement of non-Part 70 sources.

***** **Please complete the Air Pollution Control Permit Application Forms 4530-126 and 4530-128 for this Unit.** *****

Coating categories (ct. cg. - column b. above) should be entered as follows: 1 - for air dried coatings; 2 - for clear coatings; 3 - for cured coatings; 4 - for extreme performance coatings; 5 - for other (specify)

State of Wisconsin
Department of Natural Resources

CONTROL EQUIPMENT-CATALYTIC OR THERMAL OXIDATION
AIR POLLUTION CONTROL PERMIT APPLICATION
Form 4530-113 11-93 Information attached? __n__ (y/n)

SEE INSTRUCTIONS ON REVERSE SIDE

Section A

1. Facility name: **Coating Place, LLC.**	2. Facility identification number: **113020380**
3. Stack identification number: **S38**	4. Unit identification number: **All Wurster coaters**

5. Control device number: **C07**
6. Manufacturer and model number: **TBD**
7. Date of installation: **8/1/2026**
8. Describe in detail the oxidation system. Attach a blueprint or diagram of the system. Attached?

9. List the pollutants to be controlled by this equipment and the expected control efficiency for each pollutant on the table below.
☐ Documentation is attached

Pollutant	Inlet pollutant concentration gr/acf	Inlet pollutant concentration ppmv	Outlet pollutant concentration gr/acf	Outlet pollutant concentration ppmv	Efficiency (%) hood capture	Efficiency (%) pollutant destruction
VOC					**100**	**98**

10: Check one: ☐ Catalytic ☑ Thermal oxidizer

11. Discuss how the spent catalyst will be handled for reuse or disposal.

12. Prepare a malfunction prevention and abatement plan (if required under s. NR 439.11) for this pollution control system. Please include the following:
    a. Identification of the individuals(s), by title, responsible for inspecting, maintaining and repairing this device.
    b. Operation variables such as temperature that will be monitored in order to detect a malfunction or breakthrough, the correct operating range of these variables, and a detailed description of monitoring or surveillance procedures that will be used to show compliance.
    c. An inspection schedule and items or conditions that will be inspected. For catalytic oxidizers, discuss the replacement and/or regeneration schedule for the bed and steps you have taken to ensure the bed's proper functioning throughout its expected lifetime.
    d. A listing of materials and spare parts that will be maintained in inventory.
    e. Is this plan available for review?

Section B

The following questions must be answered by sources installing new equipment or existing Units which cannot document control efficiency of this device by other means. (Catalytic/Thermal dependent on item 10)

Catalytic oxidation	Thermal oxidation
13a. Operating temperature (°F): Max ____ Min	b. Operating temperature (°F): Max **TBD** Min
14a. Catalyst bed volume (ft^3):	b. Combustion chamber volume (ft^3): **TBD**
15a. Gas volumetric flow rate at combustion conditions (ACFM):	b. Maximum gas velocity through the device (ft./min): **TBD**
16a. Type of fuel used:	b. Type of fuel used: **Natural Gas**
17a. Maximum fuel use:	b. Maximum fuel used: **TBD**
18a. Type of catalyst used and volume of catalyst used (ft^3):	
19a. Residence time (seconds):	b. Residence time (seconds): **TBD**

State of Wisconsin
Department of Natural Resources
dnr.wi.gov

Emission Unit Hazardous Air Pollutant Summary
Air Pollution Control Permit Application

Form 4530-126 (R 08/20)

Information attached? (●) Y ( ) N

SEE INSTRUCTIONS ON REVERSE SIDE

1. Facility name:	2. Facility identification number:
Coating Place, LLC.	113020380
3. Stack identification number:	4. Unit identification number:
S30 OR S38	P49

5. Description of materials used:
Coating solvent

6. Provide a summary of the MTE and PTE for each hazardous air pollutant regulated by sec. 112 of the Clean Air Act and each hazardous air contaminant regulated by ch. NR 445, Wis. Adm. Code, emitted by the unit, by either (check one):

(●) Completing the table on this form

( ) Attaching an emission summary table (include Form 4530-126 and the unit identification number in the table heading)

( ) Check here if this emissions unit does not emit any hazardous air pollutants regulated by sec. 112 of the CAA or any hazardous air contaminants regulated by ch. NR 445, Wis. Adm. Code.

7. Attach sample calculations, emission factor references, information used to calculate emissions (e.g. SDSs).

☒ Attached (include Form 4530-126 and the unit identification number in the attachment heading)

Pollutant (CAS)	Maximum theoretical emissions (MTE)		Potential to emit (PTE)		
	lbs/hr	tpy	lbs/hr	lbs/yr	tpy
Methanol 67-56-1	158	520	3	19,710	10.39

State of Wisconsin
Department of Natural Resources
dnr.wi.gov

Emission Unit Hazardous Air Pollutant Summary
Air Pollution Control Permit Application

Form 4530-126 (R 08/20)

Information attached? (●) Y ( ) N

SEE INSTRUCTIONS ON REVERSE SIDE

1. Facility name:	2. Facility identification number:
Coating Place, LLC.	113020380
3. Stack identification number:	4. Unit identification number:
S30 OR S38	P50

5. Description of materials used:
Coating Solvent

6. Provide a summary of the MTE and PTE for each hazardous air pollutant regulated by sec. 112 of the Clean Air Act and each hazardous air contaminant regulated by ch. NR 445, Wis. Adm. Code, emitted by the unit, by either (check one):

(●) Completing the table on this form

( ) Attaching an emission summary table (include Form 4530-126 and the unit identification number in the table heading)

( ) Check here if this emissions unit does not emit any hazardous air pollutants regulated by sec. 112 of the CAA or any hazardous air contaminants regulated by ch. NR 445, Wis. Adm. Code.

7. Attach sample calculations, emission factor references, information used to calculate emissions (e.g. SDSs).

☒ Attached (include Form 4530-126 and the unit identification number in the attachment heading)

Pollutant (CAS)	Maximum theoretical emissions (MTE)		Potential to emit (PTE)		
	lbs/hr	tpy	lbs/hr	lbs/yr	tpy
Methanol 67-56-1	158	520	3	19,710	10.39

State of Wisconsin
Department of Natural Resources
dnr.wi.gov

Facility Hazardous Air Pollutant Summary
Air Pollution Control Permit Application

Form 4530-127 (R 08/20) Information attached? ◉ Y ○ N

SEE INSTRUCTIONS ON REVERSE SIDE

1. Facility name:	2. Facility identification number:
Coating Place, LLC.	113020380

3. Provide a summary of the MTE and PTE for each hazardous air pollutant regulated by sec. 112 of the Clean Air Act and each hazardous air contaminant regulated by ch. NR 445, Wis. Adm. Code, emitted by the facility, by either:

- ◉ Completing the table on this form
- ○ Attaching an emission summary table (include Form 4530-127 in the table heading)
- ○ Check here if this facility does not emit any hazardous air pollutants regulated by sec. 112 of the CAA or any hazardous air contaminants regulated by ch. NR 445, Wis. Adm. Code.

4. Attach descriptions of restrictions that limit facility wide PTE and calculations showing how facility wide PTE is determined.

- ◉ Attached (include Form 4530-127 in the attachment heading)
- ○ Not applicable

Pollutant (CAS)	Federal HAP (f), State Hap (s)	Maximum theoretical emissions (MTE)		Potential to emit (PTE)		
	(f,s)	lbs/hr	tpy	lbs/hr	lbs/yr	tpy
Methanol 67-56-1						202
See attached.						

State of Wisconsin
Department of Natural Resources
dnr.wi.gov

Criteria Pollutant Emission Unit Summary
Air Pollution Control Permit Application

Form 4530-128 (R 03/21) Information attached? ◉ Y ○ N

SEE INSTRUCTIONS ON REVERSE SIDE

1. Facility name:	2. Facility identification number:
Coating Place, LLC.	113020380
3. Stack identification number:	4. Unit identification number:
S30 OR S38	P49

5. Provide a summary of the MTE and PTE for each pollutant emitted by the unit, by either (check one):

◉ Completing the table on this form

○ Attaching an emission summary table (include Form 4530-128 and the unit identification number in the table heading)

○ Check here if this emissions unit does not emit any regulated criteria air pollutants. (Emissions of hazardous air pollutants regulated by sec. 112 of the CAA and hazardous air contaminants regulated by ch. NR 445, Wis. Adm. Code should be reported on forms 4530-126 and 4530-127.)

6. Attach sample calculations and emission factor references.

☑ Attached (include "Form 4530-128" and the unit identification number in the attachment heading)

Air pollutant	Maximum theoretical emissions (MTE)		Potential to emit (PTE)	
	lbs/hr	tpy	lbs/hr	tpy
Particulate matter emissions				
PM_{10}				
$PM_{2.5}$				
Sulfur dioxide (SO_2)				
Nitrogen oxides (NO_x)				
Carbon monoxide (CO)				
Volatile organic compounds (VOC)	158	520	3	10.39
Lead (Pb)				
Greenhouse gases (as CO_2 equivalents)				

State of Wisconsin
Department of Natural Resources
dnr.wi.gov

Criteria Pollutant Emission Unit Summary
Air Pollution Control Permit Application

Form 4530-128 (R 03/21) Information attached? ◉ Y ○ N

SEE INSTRUCTIONS ON REVERSE SIDE

1. Facility name:	2. Facility identification number:
Coating Place, LLC.	113020380
3. Stack identification number:	4. Unit identification number:
S30 OR S38	P50

5. Provide a summary of the MTE and PTE for each pollutant emitted by the unit, by either (check one):

◉ Completing the table on this form

○ Attaching an emission summary table (include Form 4530-128 and the unit identification number in the table heading)

○ Check here if this emissions unit does not emit any regulated criteria air pollutants. (Emissions of hazardous air pollutants regulated by sec. 112 of the CAA and hazardous air contaminants regulated by ch. NR 445, Wis. Adm. Code should be reported on forms 4530-126 and 4530-127.)

6. Attach sample calculations and emission factor references.

☑ Attached (include "Form 4530-128" and the unit identification number in the attachment heading)

Air pollutant	Maximum theoretical emissions (MTE)		Potential to emit (PTE)	
	lbs/hr	tpy	lbs/hr	tpy
Particulate matter emissions				
PM_{10}				
$PM_{2.5}$				
Sulfur dioxide (SO_2)				
Nitrogen oxides (NO_x)				
Carbon monoxide (CO)				
Volatile organic compounds (VOC)	158	520	3	10.39
Lead (Pb)				
Greenhouse gases (as CO_2 equivalents)				

State of Wisconsin
Department of Natural Resources
dnr.wi.gov

Facility Criteria Pollutant Emission Summary
Air Pollution Control Permit Application

Form 4530-129 (R 08/20) Information attached? ◉ Y ○ N

SEE INSTRUCTIONS ON REVERSE SIDE

1. Facility name:	2. Facility identification number:
Coating Place, LLC.	113020380

3. Provide a summary of the MTE and PTE for each pollutant emitted by the facility, by either (check one):

- ◉ Completing the table on this form
- ○ Attaching an emission summary table (include Form 4530-129 in the table heading)
- ○ Check here if this facility does not emit any regulated criteria air pollutants. (Emissions of hazardous air pollutants regulated by sec. 112 of the CAA and hazardous air contaminants regulated by ch. NR 445, Wis. Adm. Code should be reported on forms 4530-126 and 4530-127.)

4. Attach descriptions of restrictions that limit facility wide PTE and calculations showing how facility wide PTE is determined.

- ◉ Attached (include Form 4530-129 in the attachment heading)
- ○ Not applicable

Air pollutant	Maximum theoretical emissions (MTE)	Potential to emit (PTE)
	tpy	tpy
Particulate matter emissions		
PM_{10}		0.06
$PM_{2.5}$		0.05
Sulfur dioxide (SO_2)		0.07
Nitrogen oxides (NO_x)		11.87
Carbon monoxide (CO)		9.97
Volatile organic compounds (VOC)		249
Lead (Pb)		
Greenhouse gases (as CO_2 equivalents)		

Attachment 2

Air Emission Calculations

Air Contaminant	Existing Facility PTE						New Equipment PTE			Facility PTE (post-project)
	Wurster Coaters	RTO (C06)	Boiler #1 (B01)	Boiler #4 (B04)	Boiler #5 (B05)	TOTAL (pre-project)	Wurster Coater P2 (P49)	Wurster Coater P3 (P50)	Regenerative Thermal Oxidizer (C07)	
Criteria (tons/year)										
CO	-	2.52	0.76	1.89	2.27	7.44	-	-	2.52	9.97
NOx	-	3.00	0.90	2.25	2.70	8.86	-	-	3.00	11.87
PM10	-	0.02	0.00	0.01	0.01	0.05	-	-	0.02	0.06
PM2.5	-	0.01	0.00	0.01	0.01	0.04	-	-	0.01	0.05
SO2	-	0.02	0.01	0.01	0.02	0.05	-	-	0.02	0.07
VOC	See coating summary	0.17	0.05	0.12	0.15	249	10.39	10.39	0.17	249
Hazardous (tons/year)										
Formaldehyde	-	0.00	0.00	0.00	0.00	0.01	-	-	0.00	0.01
Hexane	-	0.05	0.02	0.04	0.05	0.16	-	-	0.05	0.21
Methanol	See coating summary	-	-	-	-	202	10.39	10.39	-	202
TOTAL HAP	See coating summary	0.06	0.02	0.04	0.05	202	10.39	10.39	0.06	202

	Air Contaminant		Emission Factor			Maximum Uncontrolled (MTE/PTE)	
EMISSION POINT	Name	CAS RN	Value	Units	Source	lb/hr	ton/yr
S51	*Criteria*						
	CO	630-08-0	84	lb/MMCF	AP-42: Table 1.4-1	1.73E-01	0.76
EMISSION UNIT	NOx	---	100	lb/MMCF	AP-42: Table 1.4-1	2.06E-01	0.90
B01	PM10	---	0.52	lb/MMCF	EPA Region 5, Roy Huntley	1.07E-03	0.00
Boiler #1, Hurst 50 HP, natural gas-fired	PM2.5	---	0.43	lb/MMCF	EPA Region 5, Roy Huntley	8.85E-04	0.00
	SO2	7446-09-5	0.6	lb/MMCF	AP-42: Table 1.4-2	1.23E-03	0.01
RATED CAPACITY	VOC	---	5.5	lb/MMCF	AP-42: Table 1.4-2	1.13E-02	0.05
2.1 MMBtu/hr, maximum							
1,020.7 HHV, natural gas	*Hazardous*						
	Formaldehyde	50-00-0	0.075	lb/MMCF	AP-42: Table 1.4-3	1.54E-04	0.00
MAXIMUM OPERATING SCHEDULE	Hexane	110-54-3	1.8	lb/MMCF	AP-42: Table 1.4-3	3.70E-03	0.02
8,760 hr/yr							
CONTROL EQUIPMENT							
None							

	Air Contaminant		Emission Factor			Maximum Uncontrolled (MTE/PTE)	
EMISSION POINT	Name	CAS RN	Value	Units	Source	lb/hr	ton/yr
S54	*Criteria*						
	CO	630-08-0	84	lb/MMCF	AP-42: Table 1.4-1	4.32E-01	1.89
EMISSION UNIT	NOx	---	100	lb/MMCF	AP-42: Table 1.4-1	5.14E-01	2.25
B04	PM10	---	0.52	lb/MMCF	EPA Region 5, Roy Huntley	2.67E-03	0.01
Boiler #4, Hurst 125 HP, natural gas-fired	PM2.5	---	0.43	lb/MMCF	EPA Region 5, Roy Huntley	2.21E-03	0.01
	SO2	7446-09-5	0.6	lb/MMCF	AP-42: Table 1.4-2	3.09E-03	0.01
RATED CAPACITY	VOC	---	5.5	lb/MMCF	AP-42: Table 1.4-2	2.83E-02	0.12
5.25 MMBtu/hr, maximum							
1,020.7 HHV, natural gas	*Hazardous*						
	Formaldehyde	50-00-0	0.075	lb/MMCF	AP-42: Table 1.4-3	3.86E-04	0.00
MAXIMUM OPERATING SCHEDULE	Hexane	110-54-3	1.8	lb/MMCF	AP-42: Table 1.4-3	9.26E-03	0.04
8,760 hr/yr							
CONTROL EQUIPMENT							
None							

	Air Contaminant		Emission Factor			Maximum Uncontrolled (MTE/PTE)	
EMISSION POINT	Name	CAS RN	Value	Units	Source	lb/hr	ton/yr
S55	*Criteria*						
	CO	630-08-0	84	lb/MMCF	AP-42: Table 1.4-1	5.18E-01	2.27
EMISSION UNIT	NOx	---	100	lb/MMCF	AP-42: Table 1.4-1	6.17E-01	2.70
B05	PM10	---	0.52	lb/MMCF	EPA Region 5, Roy Huntley	3.21E-03	0.01
Boiler #5, Muira 150 HP, natural gas-fired	PM2.5	---	0.43	lb/MMCF	EPA Region 5, Roy Huntley	2.65E-03	0.01
	SO2	7446-09-5	0.6	lb/MMCF	AP-42: Table 1.4-2	3.70E-03	0.02
RATED CAPACITY	VOC	---	5.5	lb/MMCF	AP-42: Table 1.4-2	3.39E-02	0.15
6.3 MMBtu/hr, maximum							
1,020.7 HHV, natural gas	*Hazardous*						
	Formaldehyde	50-00-0	0.075	lb/MMCF	AP-42: Table 1.4-3	4.63E-04	0.00
MAXIMUM OPERATING SCHEDULE	Hexane	110-54-3	1.8	lb/MMCF	AP-42: Table 1.4-3	1.11E-02	0.05
8,760 hr/yr							
CONTROL EQUIPMENT							
None							

	Air Contaminant		Emission Factor			Maximum Uncontrolled (MTE/PTE)	
EMISSION POINT	Name	CAS RN	Value	Units	Source	lb/hr	ton/yr
S30	*Criteria*						
	CO	630-08-0	84	lb/MMCF	AP-42: Table 1.4-1	5.76E-01	2.52
EMISSION UNIT	NOx	---	100	lb/MMCF	AP-42: Table 1.4-1	6.86E-01	3.00
C06 (combustion products)	PM10	---	0.52	lb/MMCF	EPA Region 5, Roy Huntley	3.57E-03	0.02
Regenerative thermal oxidizer	PM2.5	---	0.43	lb/MMCF	EPA Region 5, Roy Huntley	2.95E-03	0.01
	SO2	7446-09-5	0.6	lb/MMCF	AP-42: Table 1.4-2	4.11E-03	0.02
MAXIMUM FUEL USAGE	VOC	---	5.5	lb/MMCF	AP-42: Table 1.4-2	3.77E-02	0.17
7 MMBtu/hr							
1,020.7 HHV, natural gas	*Hazardous*						
	Formaldehyde	50-00-0	0.075	lb/MMCF	AP-42: Table 1.4-3	0.00	0.00
MAXIMUM OPERATING SCHEDULE	Hexane	110-54-3	1.8	lb/MMCF	AP-42: Table 1.4-3	0.01	0.05
8,760 hr/yr							
CONTROL EQUIPMENT							
None							

	Air Contaminant		Emission Factor			Maximum Uncontrolled	
EMISSION POINT	Name	CAS RN	Value	Units	Source	lb/hr	ton/yr (MTE)
S38	*Criteria*						
	CO	630-08-0	84	lb/MMCF	AP-42: Table 1.4-1	5.76E-01	2.52
EMISSION UNIT	NOx	---	100	lb/MMCF	AP-42: Table 1.4-1	6.86E-01	3.00
C07 (combustion products)	PM10	---	0.52	lb/MMCF	EPA Region 5, Roy Huntley	3.57E-03	0.02
Regenerative thermal oxidizer	PM2.5	---	0.43	lb/MMCF	EPA Region 5, Roy Huntley	2.95E-03	0.01
	SO2	7446-09-5	0.6	lb/MMCF	AP-42: Table 1.4-2	4.11E-03	0.02
MAXIMUM FUEL USAGE	VOC	---	5.5	lb/MMCF	AP-42: Table 1.4-2	3.77E-02	0.17
5 MMBtu/hr							
1,020.7 HHV, natural gas	*Hazardous*						
	Formaldehyde	50-00-0	0.075	lb/MMCF	AP-42: Table 1.4-3	0.00	0.00
MAXIMUM OPERATING SCHEDULE	Hexane	110-54-3	1.8	lb/MMCF	AP-42: Table 1.4-3	0.01	0.05
8,760 hr/yr							
CONTROL EQUIPMENT							
None							

	Air Contaminant		Emission Factor			Maximum Uncontrolled (MTE)		Control Efficiency	Maximum Controlled (PTE)		
EMISSION POINT	Name	CAS RN	Value	Units	Source	lb/hr	ton/yr	%	lb/hr	lb/day	ton/yr
S30 (RTO) or S38 (RTO)	*Criteria*										
	VOC	---	1.00	lb/lb	Mass balance	158	520	98	3	57	10.39
EMISSION UNIT											
P49 and P50: solvent-based Wurster coaters (Units P2 and P3), **each**	*Hazardous*										
	Methanol	67-56-1	1.00	lb/lb	Mass balance	158	520	98	3	57	10.39
MAXIMUM MATERIAL USAGE											
201 coating throughput, g/min/nozzle											
0.15 solids content, g solids/g coating											
171 g methanol/min/nozzle											
7 # of spray nozzles, (Units P2 and P3), **each**											
MAXIMUM OPERATING SCHEDULE											
6,570 hr/yr (6 hr/batch, 3 batch/day)											
CONTROL EQUIPMENT											
98 % overall control efficiency											