Attachment E205: Surface Coating or Printing Operations Supplemental Application Form

Applicant Name: _____
Unit No.: _____

DEEP USE ONLY
App. No.: _____

Complete this form in accordance with the instructions (DEEP-NSR-INST-205) to ensure the proper handling of your application. Print or type unless otherwise noted.

Note: Certain surface coating operations may be operated pursuant to RCSA section 22a-174-3b or -3c in lieu of a permit to construct and operate pursuant to RCSA section 22a-174-3a.

Complete a separate form for *each* type of part to be coated or *each* printing operation.

Questions? Visit the Air Permitting web page or contact the Air Permitting Engineer of the Day at 860-424-4152.

Part I: General

Manufacturer and Model Number	
Construction Date	
Is this unit subject to RCSA section 22a-174-20, Control of Organic Compound Emissions?	☐ No ☐ Yes, Subsection
Is this unit subject to Title 40 CFR Part 60, NSPS?	☐ No ☐ Yes, Subpart(s)
Is this unit subject to Title 40 CFR Part 63, MACT?	☐ No ☐ Yes, Subpart(s)

Type of Parts Coated or Printing Operation (check one)

☐ Can Coating	☐ Aerospace Specialty Coating
☐ Metal Coil Coating	☐ Aerospace Coating
☐ Fabric or Vinyl Coating	☐ Graphic Arts Rotogravures or Flexography
☐ Metal Furniture Coating	☐ Flexible Package Printing
☐ Paper, Film or Foil Coating	☐ Offset Lithographic or Letterpress Printing
☐ Wire Coating	☐ Large Appliance Coating
☐ Miscellaneous Metal Parts Coating	☐ Pleasure Craft Coating
☐ Miscellaneous Plastic Parts Coating	☐ Other (specify):
☐ Automotive-Transportation Plastic Parts Coating	
☐ Business Machines Plastic Parts Coating	
☐ Motor Vehicle Materials Coating	

Part II: Surface Coating Applicator Data

Complete a separate Part II for *each* surface coating applicator.

Applicator ID No.		
Mode of Surface Coating	☐ Continuous ☐ Manual ☐ Batch ☐ Automatic ☐ Other (specify):	
Type of Applicator (check one)	☐ **Spray**	☐ HVLP Gun ☐ Airless ☐ Electrostatic ☐ Other (specify): Transfer Efficiency: %
	☐ **Dip Tank**	Tank Dimensions (in feet): Length Width Height Cover ☐ Yes ☐ No
	☐ **Printing**	☐ Rotogravure ☐ Flexographic ☐ Lithographic ☐ Letterpress ☐ Screen ☐ Plateless ☐ Other (specify):
	☐ **Flow Coating**	
	☐ **Knife Coating**	
	☐ **Brush**	
	☐ **Other** (describe):	
Applicator Maximum Rated Capacity	gal/hr	
Maximum Operating Schedule	hours/day hours/year	
Printing Press Data		
Heatset or Non-Heatset (Retention Factor - R)	☐ Heatset (R = 20%) ☐ Non-Heatset (R = 95%) ☐ Other: (R = %)	
Type of Press	☐ Web-fed	Maximum Web Speed: ft/min Maximum Web Width: ft Maximum Ink Coverage: lb ink/ft^2
	☐ Sheet-fed	Maximum Sheet Area: ft^2 Maximum Press Speed: sheets/hr

Part III: Drying Method Information

Drying Method	☐ Cured in an Oven (Baked) ☐ Air Dried ☐ Heat Polymerized
Drying Temperature	^{o}F
Oven Power Source	☐ Electric ☐ Fuel-Fired ☐ Other (specify)
Oven Fuel Type (if fuel-fired)	
Oven Fuel Higher Heating Value	
Oven Burner Maximum Rated Capacity	MMBtu per hour
Oven Maximum Annual Fuel Usage	
Oven Fuel % Sulfur by Weight	

Part IV: Coatings Information

A. Coatings Inventory

This section should list all VOC containing materials used for any type of surface coating. Types of VOC containing materials can include, but are not limited to those listed in Part IV.D of this form which include: coatings, printing inks, fountain solutions, varnish, clear coatings, etc. Cleaning solvents should be listed in Part V of this form.

Coating Data *(as received)*		**Coating ID:**	**Coating ID:**	**Coating ID:**	**Coating ID:**
Coating Name					
Applicator ID(s)					
Type of Coating (code from Table D below)					
Maximum Coating Usage		gal/hr gal/day gal/yr	gal/hr gal/day gal/yr	gal/hr gal/day gal/yr	gal/hr gal/day gal/yr
Coating Density, as received (lbs/gal)					
Total Volatiles Content (wt%)					
Solids Content (vol% or wt%)					
Water Content (wt%)					
VOC Content (wt%)	**Exempt**				
	Non-Exempt				
Coating Data *(as mixed)*					
Diluent(s) Used (IDs from Table B below)					
Diluent/Coating Ratio (gal diluent/gal coating)					
VOC Content (lb/gal of mixed coating)	**Exempt**				
	Non-Exempt				

☐ Check here if additional sheets are necessary, and label and attach them to this sheet.

B. Diluent Inventory ☐ None, go to Part IV.C.

Diluent Data		Diluent ID:		Diluent ID:		Diluent ID:		Diluent ID:	
Diluent Name									
Diluent Density (lbs/gal)									
Water Content (wt%)									
VOC Content (wt%)	**Exempt**								
	Non-Exempt								

C. HAP Inventory

If a HAP appears in more than one coating, list the HAP once and provide the highest HAP content in lb/gal.

HAP Name	Coating ID	HAP Content, as applied (lb/gal)

HAP Name	Coating ID	HAP Content, as applied (lb/gal)

☐ Check here if additional sheets are necessary, and label and attach them to this sheet.

D. Type of Coating Table

If the type of coating is not listed below, use "NS" to designate the coating as a non-specific coating.

Code	Type of Coating
Can Coating	
A1	Sheet basecoat (exterior and interior)
A2	Sheet overvarnish
A3	Two-piece can exterior basecoat
A4	Two-piece can exterior overvarnish
A5	Two-piece can interior body spray
A6	Two-piece can exterior end spray or rollcoat)
A7	Two-piece can exterior end rollcoat
A8	Three-piece can interior body spray
A9	Three-piece can side-seam spray
A10	End sealing compound
Metal Coil Coating	
B1	Primecoat
B2	Topcoat
B3	Single Coat
Fabric and Vinyl Coating	
C1	Fabric coating
C2	Vinyl coating (decorative or protective topcoats or printing)
Metal Furniture Coating	
D1	General, one component
D2	General, multi-component
D3	Extreme high gloss
D4	Extreme performance
D5	Heat-resistant
D6	Metallic
D7	Pretreatment
D8	Solar-absorbent
Paper, Film and Foil Coating	
E1	Paper Coating
E2	Film Coating
E3	Foil Coating
E4	Pressure sensitive tape and label coating
E5	Pressure sensitive adhesive
Wire Coating	
F2	Wire Coating
Miscellaneous Metal Parts	
G1	General one-component
G2	General multi-component
G3	Camouflage
G4	Electric-insulating varnish
G5	Etching filler
G6	Extreme high-gloss
G7	Extreme performance
G8	Heat-resistant
G9	High performance architectural
G10	High temperature
G11	Metallic
G12	Mold-seal
G13	Pan backing
G14	Prefabricated architectural multi-component
G15	Prefabricated architectural one-component

Code	Type of Coating
G16	Pretreatment coating
G17	Repair and touch-up
G18	Silicone release
G19	Solar-absorbent
G20	Vacuum-metalizing
G21	Drum coating, new, exterior
G22	Drum coating, new, interior
G23	Drum coating, reconditioned, exterior
G24	Drum coating, reconditioned, interior
Miscellaneous Plastic Parts	
H1	General one-component
H2	General multi-component
H3	Electric dissipating coatings and shock-free coating
H4	Extreme performance multi-component
H5	Metallic
H6	Mold-seal
H7	Multi-colored coating
H8	Optical Coating
H9	Vacuum-metalizing
Automotive-Transportation Plastic Parts Coating	
High bake coatings – interior and exterior parts	
I1	Flexible Primer
I2	Non-flexible Primer
I3	Base Coat
I4	Clear Coat
I5	Non-base coat/clear coat
Low bake/air dried coatings – exterior parts	
I6	Primer
I7	Base Coat
I8	Clear Coat
I9	Non-base coat/clear coat
Low bake/air dried coatings – interior parts	
I10	All
Touchup and repair coating	
I11	All
Business Machines Plastic Parts	
J1	Primers
J2	Top Coat
J3	Texture Coat
J4	Fog Coat
J5	Touchup and Repair
Motor Vehicle Materials	
K1	Motor vehicle cavity wax
K2	Motor vehicle sealer
K3	Motor vehicle deadener
K4	Motor vehicle gasket/gasket sealing material
K5	Motor vehicle underbody coating
K6	Motor vehicle trunk interior coating
K7	Motor vehicle bedliner coating
K8	Motor vehicle lubricating wax/compound

Code	Type of Coating
Aerospace Specialty Coating	
L1	Ablative coating
L2	Adhesion promoter
L3	Adhesive bonding primers cured at 250°F or below
L4	Adhesive bonding primers cured above 250°F
L5	Adhesive - Commercial interior
L6	Adhesive - Cyanoacrylate
L7	Adhesive - Fuel tank
L8	Adhesive - Nonstructural
L9	Adhesive - Rocket motor bonding
L10	Adhesive - Rubber-based
L11	Adhesive - Structural autoclavable
L12	Adhesive - Structural nonautoclavable
L13	Aerospace high-temperature coating
L14	Antichafe coating
L15	Bearing coating
L16	Caulking and smoothing compounds
L17	Chemical agent-resistant coating
L18	Clear coating
L19	Commercial exterior aerodynamic structure primer
L20	Compatible substrate primer
L21	Corrosion prevention compound
L22	Cryogenic flexible primer
L23	Cryoprotective coating
L24	Dry lubricative material
L25	Electric or radiation-effect coating
L26	Electrostatic discharge and electromagnetic interference (EMI)coating
L27	Elevated-temperature Skydrol-resistant commercial primer
L28	Epoxy polyamide topcoat
L29	Fire-resistant interior coating
L30	Flexible primer
L31	Flight-test coatings - Missile or single use aircraft
L32	Flight-test coatings - All other
L33	Fuel-tank coating
L34	Insulation covering
L35	Intermediate release coating
L36	Lacquer
L37	Maskant - Bonding
L38	Maskant - Critical use and line sealer
L39	Maskant - Seal coat
L40	Metallized epoxy coating
L41	Mold release
L42	Optical anti-reflective coating
L43	Part marking coating
L44	Pretreatment coating
L45	Rain erosion-resistant coating
L46	Rocket motor nozzle coating
L47	Scale inhibitor
L48	Screen print ink
L49	Sealant - Extrudable/rollable/brushable

Code	Type of Coating
L50	Sealant - Sprayable
L51	Silicone insulation material
L52	Solid film lubricant
L53	Specialized function coating
L54	Temporary protective coating
L55	Thermal control coating
L56	Wet fastener installation coating
L57	Wing coating
Aerospace Coating	
M1	Primer – general aviation rework facilities
M2	Exterior primer – large commercial aircraft components
M3	Exterior primer – fully assembled, large commercial aircraft
M4	Primer
M5	Topcoat
M6	Topcoat – general aviation rework facilities
M7	Self-priming topcoat
M8	Self-priming topcoat – general aviation rework facilities
M9	Type I chemical milling maskant
M10	Type II chemical milling maskant
Graphic Arts Rotogravures and Flexography	
N1	Publication rotogravure
N2	Packaging rotogravure
N3	Flexographic printing
Flexible Package Printing	
O1	Flexible package printing coatings
O2	Flexible package printing adhesives
Offset Lithographic Printing and Letterpress Printing	
P1	Web offset lithographic – fountain solution
P2	Web offset lithographic – coating
P3	Sheet-fed offset lithographic – fountain solution
P4	Sheet-fed offset lithographic – coating
P5	Coldset web offset lithographic – fountain solution
P6	Coldset web offset lithographic – coating
P7	Heatset web offset lithographic - coating
P8	Heatset letterpress – coating
Large Appliance Coating	
Q1	General, one component
Q2	General, multi-component
Q3	Extreme high gloss
Q4	Extreme performance
Q5	Heat-resistant
Q6	Metallic
Q7	Pretreatment
Q8	Solar-absorbent

Code	Type of Coating
Pleasure craft coatings	
R1	Extreme high-gloss coating
R2	High gloss coating
R3	Pretreatment wash primer
R4	Finish primer or surfacer
R5	High build primer or surfacer
R6	Antifouling coating – aluminum substrate
R7	Antifouling coating – all other substrates
R8	Antifouling sealant or tie coat
R9	All other pleasure craft surface coatings for metal or plastic

Part V: Cleaning Solvent Information

Is this unit's cleaning solvent usage subject to RCSA section 22a-174-20 (ii) or (jj), Control of Organic Compound Emissions?		☐ No ☐ -20(ii) Industrial Solvent Cleaning ☐ -20(jj) Spray Application Equipment Cleaning Compliance Method or Exemption Claimed:			
Solvent Data		**Solvent ID:**	**Solvent ID:**	**Solvent ID:**	**Solvent ID:**
Solvent Name					
Solvent Use					
Solvent Density (lbs/gal)					
Water Content (wt%)					
VOC Content (wt%)	**Exempt**				
	Non-Exempt				
Clean-up Method					
Maximum Solvent Usage		gal/hr gal/day gal/yr	gal/hr gal/day gal/yr	gal/hr gal/day gal/yr	gal/hr gal/day gal/yr

Part VI: Classification of Solvents

This part should only be completed if the surface coating operation is not subject to requirements in RCSA sections 22a-174-20 (a) through (e), (k) through (y), or (ff) through (jj) or is not subject to reasonably available control technology as required by RCSA section 22a-174-32.

Solvent Composition for Photochemical Reactivity If the VOC portion of a coating solvent exceeds 20% by weight for any coating used, **complete this table for each of those coatings.** (Reproduce this form as necessary.)				
Coating Name and ID				
Applicator ID				
Solvent Component	**Component Classification and Volume %**			
	R1 (%)	**R2 (%)**	**R3 (%)**	**NR (%)**
Total				
Photochemically Reactive	☐ Yes ☐ No			

Part VII: Type of Control

If any controls are installed, *Supplemental Application Form Air Pollution Control Equipment* (DEEP-NSR-APP-210) should also be completed.

Particulate Control Type	☐ Water Wash ☐ Exhaust Filters ☐ Baffles ☐ Other (specify): ☐ No means of particulate control
Particulate Overall Control Efficiency	**%**
VOC Control Type	☐ Yes, Type (specify): ☐ No means of VOC control
VOC Overall Control Efficiency	**%**

Part VIII: Attachments

Please check the attachments being submitted as verification that all applicable attachments have been submitted with this application form. When submitting such documents, please label the documents as indicated in this Part (e.g., Attachment E205-A, etc.) and be sure to include the applicant's name.

☐ Attachment E205-A:	*Process Information and Flow Diagram* – Submit a process flow diagram indicating all related equipment, air pollution control equipment and stacks, as applicable. Identify all materials entering and leaving each such device indicating quantities and parameters relevant to the proper operation of the device. Indicate all monitoring devices and controls. **REQUIRED**
☐ Attachment E205-B:	*Manufacturer Information* - Submit copies of the manufacturer specification sheets for the unit, the air pollution control equipment and the monitoring systems. **REQUIRED**
☐ Attachment E205-C:	*Transfer Efficiency Information* – If using a spray applicator, submit the manufacturer specification sheets for the transfer efficiency of such spray applicator. **IF APPLICABLE**
☐ Attachment E205-D:	*Material Safety Data Sheets* – Submit a Material Safety Data Sheet for each coating, diluent, and solvent used by this unit. **REQUIRED**