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| **Department of Natural Resources and Environmental Control****Division of Air Quality****PERMIT APPLICATION** | **AQM-1001E** |
| **SURFACE COATING *(or)* PRINTING OPERATIONS** |
| **SECTION I: GENERAL** |
| 1. Type of Parts Coated (Check the appropriate box(es)) A. [ ]  Aerospace Coating I. [ ]  Vinyl Coating B. [ ]  Motor Vehicle Repair and Refinishing J. [ ]  Metal Furniture Coating C. [ ]  Plastic Parts Coating K. [ ]  Large Appliance Coating D. [ ]  Automobile and Light-Duty Truck Coating L. [ ]  Magnet Wire Coating E. [ ]  Can Coating M. [ ]  Miscellaneous Metal Parts Coating F. [ ]  Coil Coating N. [ ]  Flat Wood Paneling Coating G. [ ]  Paper Coating O. [ ]  Graphic Arts Systems Printing H. [ ]  Fabric Coating P. [ ]  Offset Lithographic Printing X. [ ]  Other (*specify*):       (For A through P refer to the specific Regulation, 7 **DE Admin. Code** 1124) |
| 2. Description of the surface coating or printing operation:       |
| 3. ATTACH A PROCESS FLOW DIAGRAM. Show entry and exit points of all materials and finished products. Label all materials including airborne contaminants, other waste materials, all process equipment, control equipment, and stacks, vents. (In Item 1, above, if any of the boxes marked A through P was checked, skip SECTION II and complete SECTIONS III, IV AND V; If box X (other) was checked, complete SECTIONS II, III, and V.) |
| **SECTION II: NON-SPECIFIC COATING OPERATIONS (as referred to in SECTION 1, Item 1X)** |
| Complete the following information for each general type of surface coating or printing material.Make additional copies of this section if more space is needed |
| 4. UNMIXED COATING *(as purchased before thinning)*: Coating employed:       Coating I.D. Number (if any):       Density:       lb/gal Maximum Usage:       gal/hr;       gal/day;       gal/yr Composition of the Coating (% by weight):       Attach MSDS sheets with the chemical composition for each coating, thinner and clean-up solvent. Pigment:       %; Vehicle:       %; Organic Solvent:       %; Water:       %  |
| SOLVENT COMPOSITION *(include water, if any)*: |
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| **SOLVENT COMPOSITION** | **% BY VOLUME** |  | **SOLVENT COMPOSITION** | **% BY VOLUME** |
|       |       |       |       |
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| Is the above material photochemically reactive?  |

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| **SECTION II *(Continued)*** |
| 5. THINNER If thinner is used, list the type and amount of thinner used: Type (e.g. xylene, naptha, mineral spirits, water, etc.):       Maximum Usage:       gal/hr;       gal/day;       gal/yr. |
| **SECTION III: APPLICATOR DATA** |
| Submit one Applicator Sheet (Section III) for each surface coating applicator (e.g.: Each spray booth, dip tank, flow coater, etc.) However, if this data is applicable for more than one applicator of the same type (e.g., two spray booths), indicate the applicator I.D. Numbers for which the data is applicable in Item 6: |
| 6. (Assign a separate I.D. Number to each applicator) Applicator I.D. Number:       Date Installed:   /  /     |
| 7. Mode of Surface Coating: A. [ ]  Continuous [ ]  Batch [ ]  Other (*specify*):       B. [ ]  Manual [ ]  Automatic |
| 8. Type of Applicator (*Check the appropriate boxes*): A. [ ]  Spray [ ]  Air Gun [ ]  Electrostatic [ ]  Other (*specify*):       B. [ ]  Electrodeposition Tank Dimensions: Length:      ft; Width:      ft; Height:      ft Capacity:       gallons C. [ ]  Dip Tank D. [ ]  Flow Coating E. [ ]  Roll Coating [ ]  Rotogravure [ ]  Flexography [ ]  Other (*specify*):       F. [ ]  Brush G. [ ]  Other (*specify*):       |
| 9. Type and amount of clean-up solvent(s) used (*attach a Material Safety Data Sheet with chemical compositions*): Type:       Maximum Usage:       gal/hr;       gal/day;       gal/yr |
| 10. Temperature of coating material, as applied:       °F If the coated product goes to an oven, temperature of oven:       °F |
| 11. Operating Details: A. Maximum hours per day in operation:       hours B. Maximum Usage:       gal/hr;       gal/day;       gal/yr C. Maximum Annual Operating Hours:       hours |

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| **AQM-1001E** |
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| 12. SPRAY BOOTHS, ONLY A. Is the booth exhaust equipped with: [ ]  Water Wash [ ]  Exhaust Filters [ ]  Baffles  [ ]  Other(specify):       [ ]  No means of particulate control B. Describe the method of disposal of waste water wash or filters, and any other waste from the booth:       C. Maximum mixed paint usage:       gal/hr;       gal/day;       gal/yr D. Complete Form AQM-1001K to describe pollutant control efficiencies and exhaust characteristics. |
| **SECTION IV: SPECIFIC COATING OPERATIONS *(AS REFERRED-TO IN SECTION I, ITEM 1 (A THROUGH P))*** |
| 13. Indicate the year form Items (14) and (15):       |
| 14. Parts, materials or products being coated: A. Description of Parts:       B. Maximum Amount Coated: Hourly:       Annual:       |

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| **AQM-1001E** |
| ***(Continued)*** |
| COATING MATERIAL FOR SPECIFIC COATING OPERATIONS15. Coating Materials: complete the table below *(use additional pages or photocopies of this, if needed):* *(Attach MSDS sheet with the chemical composition for each coating, thinner, clean-up solvent, etc. Chemical composition should include % of each component in total VOC).* |
| **COATING MATERIAL****(name or I.D.)** | **TYPE OF COATING a****(CODE)** | **APPLICATOR I.D. b** | **IF SOLVENT ADDED IN HOUSE c****TYPE** | **DATA ON COATING MATERIAL, AS EMPLOYED d** |
| **Density****(lb/gal)** | **VOC Content (lb/gal)**  | **Solids Content (% by volume)** | **Water Content (% by volume)** | **Maximum Annual Usage (gal)** |
|       |       |       |       |       |       |       |       |       |
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| a. Type of Coating: Refer to the box below for the proper code to be entered into this column.b. Use the same I.D. as used in the Applicator Data (Item 6, Section III).c. Solvent added in-house: if the coating material is formulated with solvents at this source or thinned with solvents prior to usage, enter the name of the solvent. If the coating material is used as received, with no addition of solvents, enter NO.d. Data on coating Material, as Employed: Report the density, VOC content, solids content, water content, and maximum annual usage of the coating material, as employed or applied. Any solvents, thinners, viscosity reducers, etc., added to the coating material, are to be included in the final material being reported. |

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| CODE – TYPE OF COATING MATERIAL | CODE – TYPE OF COATING MATERIAL | CODE – TYPE OF COATING MATERIAL |
|  AEROSPACE COATINGA1- Primer and TopcoatA2- Depainting OperationA3- Chemical Milling Operation MOTOR VEHICLE REFINISHINGB1- PretreatmentB2- PrecoatB3- Primer/Primer-SurfacerB4- Primer-SealerB5- TopcoatB6- Three-/Four-Stage TopcoatB7- Specialty PLASTIC PARTS COATINGC1- Automotive/TransportationC2- Business Machines AUTOMOBILE AND LIGHT-DUTY TRUCKSD1- Prime Coat/Final RepairD2- TopcoatD3- Primer-SurfacerD4- Electrodeposition Prime Coat |  CAN COATINGE1- Sheet Basecoat and OvervarnishE2- Exterior Basecoat and OvervarnishE3- Interior Body SprayE4- Exterior End CoatE5- Side Seam SprayE6- End-SealingF1- COIL COATINGG1- PAPER COATINGH1- FABRIC COATINGI1- VINYL COATINGJ1- METAL FURNITURE COATINGK1- LARGE APPLIANCE COATINGL1- MAGNET WIRE COATING |  MISCELLANEOUS METAL PARTS COATINGM1- Clear CoatingM2- Steel Pail and Drum CoatingM3- Air Dried CoatingM4- Extreme Performance CoatingM5- *All Other* FLAT WOOD PANELLING COATINGN1- Printed Interior PanelsN2- Natural Finish Hardwood Plywood PanelsN3- Class II Finish on Hardwood Panels PRINTING OPERATIONSO1- Graphic Arts PrintingP1- Offset Lithographic Printing |

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| **AQM-1001E** |
| ***(Continued)*** |
| **SECTION V CONTROL EQUIPMENT FOR VOC** |
| 16. List the applicator I.D. Numbers for which this data is applicable:       |
| 17. Type of control equipment *(Check the applicable box(es))*: [ ]  None [ ]  Incineration/temperature:      °F;  [ ]  Adsorption, *describe*:       [ ]  Condensation, *describe*:       [ ]  Other, *describe*:       |
| 18. Manufacturer or Description:       Date Installed:   /  /     |
| 19. Control Efficiency Estimate:       % Basis (check appropriate box): [ ]  Design Data [ ]  Emission Test Date of Test:   /  /     [ ]  Other Specify:       |

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|  | **TYPE OF FUEL** | **MAXIMUM HOURLY USAGE** | **MAXIMUM ANNUAL USAGE** | **HIGHER HEATING VALUE*****(specify units)*** | **% SULFUR** | **%****ASH** |
| **Primary** |       |       |       |       |       |       |
| **Secondary** |       |       |       |       |       |       |

20. If incineration is used, then complete the following fuel usage information: |

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| 21. Complete AQM-1001K |

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