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| **Department of Natural Resources and Environmental Control**  **Division of Air Quality**  **PERMIT APPLICATION**  **Depending upon the type of degreasing operation, complete the corresponding section only.**  **If more than one degreaser is located at this plant, make additional copies of this form, as necessary.** | | **AQM-1001G**  **METAL CLEANING DEGREASERS** |
| ***DEPARTMENT USE, ONLY*** |
| **I.D.:** |
| **SECTION I. COLD CLEANING DEGREASER, ONLY** | EMISSION UNIT NO.:  LOCATION WITHIN FACILITY: | |
| 1. Manufacturer or Description:    Inside Diameter of Tank (ft): Width:       Length:       Depth:    Freeboard Height:       feet    Date Installed:   /  /    Type:    Maximum Operation:    hours/day   days/week    weeks/year | | |
| 2. Solvent Type (Mineral Spirits, Stoddard, etc.):  Attach MSDS for each solvent used  Maximum Amount Used:       gallons/hour       gallons/year  Solvent Volatility at 68°F:       mmHg | | |
| 3. Equipment Design  Is the degreaser equipped with:  Tank Cover:  Drainage Board:  If Yes, Type of Board:  Is Solvent Sprayed?  If Yes, Spray Pressure:       psi  Agitation:  If Yes, Agitation Type:  Heating:  If Yes, Temperature:       °F | | |
| 4. Operating Procedure  Can degreaser be closed during degreaser operation?  Is degreaser cover closed when degreaser is not in use?  Are parts dry before removal from drying rack?  How are waste solvent and sludge disposed of? | | |
| 5. Indicate the type of control device (if any):  Refrigerated Chiller  Carbon Adsorption  Water Spray  Freeboard Ratio ≥0.7  Other *(specify)*: | | |

*(Complete Form AQM-1001K for Control Equipment)*

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| **AQM-1001G** |
| ***(Continued)*** |
| **SECTION II. OPEN TOP VAPOR DEGREASER, ONLY** | Emission Unit No.: | |
| 6. Manufacturer or Description:  Inside Dimensions of Tank (ft.): Width:       Length:       Depth:  Date Installed:   /  /  Is solvent sprayed:  Spay Pressure:       *psi*  Maximum Operation:       hours/day       days/week       weeks/year | | |
| 7. Solvent Type (Name):  Attach MSDS for Each Solvent Used  Maximum Amount Used:       gallons/hour       gallons/year | | |
| 8. Indicate the types of safety switches the degreaser is equipped with:  Condenser flow switch and thermostat (to shut off sump heat if condenser coolant either is not circulating or is too warm).  Spray safety switch (to shut off spray pump if the vapor level drops more than four (4) inches below the bottom condenser coil.  Vapor level control thermostat (to shut off sump heat if the vapor zone rises above the design level. | | |
| 9. Type of vapor levels controls:  Condensing Coil  Chilled water or refrigerant  None  Temperature of the cooling liquid:       ° F | | |
| 10. Method of heating the degreaser:    Gas  Electric  Steam  Rating:       BTU/hr or       KW | | |
| 11. Type of cleaning action:    Sonic  Immersion in liquid  Mechanical Mixing  Vapor Condensation  Spray | | |
| 12. Tank Cover:  Automatic  Manual  None Is the tank covered when not in use? | | |
| 13. Describe how waste solvent and sludge are disposed: | | |
| 14. Indicate the type of Control Device (if any):  Refrigerated Chiller  Water Spray  Carbon Adsorption  freeboard Ratio ≥ 0.75  Other (specify): | | |
| 15. Are the parts to be degreased moved in and out at a vertical speed of less than 11 ft/min?  What is the exhaust air flow?       cfm | | |

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| **AQM-1001G** |
| **(continued)** |
| **SECTION III. CONVEYORIZED DEGREASER ONLY** | EMISSIONS UNIT NO.: | |
| 16. Manufacturer or Description:  Inside Dimensions of Tank (ft.): Width:       Length:       Depth:  Date Installed:   /  /  Is solvent sprayed: Spray Pressure:       *psi*  Type:    Maximum Operation:       hours/day       days/week       weeks/year  Work Load Design Specifications: | | |
| 17. Equipment Design:  Does the Degreaser have:  Drying Tunnel  Tumbling or rotating baskets  Is the tank covered when not in use? | | |
| 18. Indicate the types of safety switches the degreaser is equipped with:  Condenser flow switch and thermostat (to shut off sump heat if condenser coolant either is not circulating or too warm.)  Spray safety switch (to shut off spray pump if the vapor level drops more than four inches below the bottom condenser coil.  Vapor level control thermostat (to shut off sump heat if the vapor zone rises above the design level.) | | |
| 19. Name of Solvent:       *(attach MSDS for each solvent used.)*  Maximum Amount used:       gallons/hour       gallons/year  Solvent Volatility at 100 °F:       mm/Hg | | |
| 20. Indicate the type of control devices:  Other: | | |
| 21. Operating Parameters:  Actual Conveyor speed       ft/min.  Maximum vertical conveyor speed at exit or entrance of the degreaser       ft/min.  Flow rate of exhaust gas:       cfm.  Temperature of solvent bath:      ° | | |
| 22. Describe how the waste solvent, still sludge, and adsorber solvent are disposed of: | | |

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