



**PERMIT**  
**Under the Environmental Conservation Law (ECL)**

**IDENTIFICATION INFORMATION**

Permit Type: Air Title V Facility  
Permit ID: 9-2909-00018/00498  
Effective Date: 05/03/2001 Expiration Date: 05/03/2006

Permit Issued To: DELPHI AUTOMOTIVE SYSTEMS LLC  
1450 WEST LONG LAKE  
MC 414480-260  
TROY, MI 48098

Facility: DELPHI HARRISON THERMAL SYSTEMS  
200 UPPER MOUNTAIN RD  
LOCKPORT, NY 14094

Contact: ROBERT J. JOHNSON  
DELPHI HARRISON THERMAL SYSTEMS  
200 UPPER MOUNTAIN ROAD  
LOCKPORT, NY 14094-1896  
(716) 439-3126

Description:

**Delphi Harrison Thermal Systems**  
**Title V Permit**  
**Site Description**

Delphi Thermal Systems, located in Lockport, New York and having actual emissions of volatile organic compounds greater than 50 tons per year and total hazardous air pollutants (HAPs) greater than 25 tons per year, is a major facility subject to the Title V permitting requirements of **6NYCRR, Part 201-6 and 40 CFR Part 70**. Delphi is engaged in the production of radiators, condensers, evaporators, heater cores, oil coolers and HVAC cases for sale to automobile and truck manufacturers. Contaminants emitted from these operations include particulates (PM), volatile organic compounds (VOC), various hazardous air pollutants (HAPs) such as methanol, methyl ethyl ketone, phenol, xylene, ethylene glycol, glycol ethers, chromic acid, hydrogen fluoride, trichloroethylene, ethyl benzene, hydrochloric acid, and methyl isobutyl ketone. In addition potential emissions of sulfur dioxide, nitrogen oxides, and carbon monoxide could be generated from boiler operations. Currently, these units are on stand-by and power is purchased from a cogeneration facility. Production operations include surface coating, brazing, solder and welding operations, conversion coating, tube forming, thermal degreasing, and alkaline washing. There is also a wastewater treatment plant which generates fugitive emissions from the clarification, equilization, and filtration of wastewater. Sludge is processed in a sludge dryer before being sent for disposal.

Delphi Thermal Systems is a dynamic manufacturing operation that routinely engages in activities which are vital and inherent elements of their ongoing operation. In order to remain viable,



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Delphi requires the ability to make changes in equipment, operations, and materials expeditiously and without triggering a permit revision. Of importance, as a major source of volatile organic compounds (VOC), are increases in VOC emissions which exceed the de minimus values as a result of changes or modifications and must be evaluated to determine if the requirements of **6NYCRR, Part 231-2, New Source Review in Non-Attainment Areas** are applicable. Therefore, as part of new production initiatives for which the first permit action occurred in November 1997, Delphi, as an existing major NSR source, has chosen to accept a plant-wide applicability limit (PAL) of 218 tons per year of VOC. The PAL will allow Delphi to implement the addition of new sources or modification of existing sources or operations which would result in an increase in VOC emissions without requiring a netting calculation or establishing a PTE limit for each change in order to avoid the major modification requirements of NSR.

VOC emissions from any change must also be evaluated to determine if emission rate potentials exceed 3 pounds per hour and actual emissions in the absence of control equipment exceed 15 pounds per day and thereby require the applicability of the Process Reasonably Available Control Technology (RACT) requirements of **6NYCRR, Part 212.10**. Therefore, an operational flexibility plan is incorporated into this permit pursuant to **6NYCRR, Part 201-6.5(f)** which will allow Delphi to make certain changes in their operation which will not incur a permit modification.

**Facility-wide Applicable Requirements.**

There are several facility level requirements which apply:

**6NYCRR, Part 226.2- Solvent Metal Cleaning:** Delphi operates 75 thirty gallon solvent parts cleaning units using high flash mineral spirits and located throughout the facility. These units are subject to the general operating requirements of Part 226 as defined in this permit. These units are exempt from the National Emissions Standards for Hazardous Air Pollutants (NESHAP) for Solvent Cleaning Machines, 40 CFR 63.460 Subpart T because they do not use any of the halogenated solvents defined in the regulation.

**6NYCRR, Part 227-2 NO<sub>x</sub> RACT for Stationary Combustion Installations:** Nitrogen oxide emissions are generated from fuel combustion in the stationary combustion units, exempt emergency generators, and exempt combustion sources less than 20 MMBtu/hour input. Since potential emissions from all sources exceed 100 tons per year, the facility has accepted an emissions cap limiting actual emissions during any consecutive 12 month period to 99 tons per year to avoid the Reasonably Available Control Technology (RACT) requirements of this subpart. Emission factors and fuel usage are used to demonstrate compliance with the limit on a rolling 12 month basis. The sulfur content of fuel used at the facility in these combustion sources is limited by **Part 225-1.2(a)(2)** to 1.5% by weight for both distillate and residual fuel oil.

**6NYCRR, Part 228.1(h)-Surface Coating:** Low use specialty coatings where plant wide total annual usage is less than 55 gallons are exempt from the "as applied" VOC coating content requirement of Table 2 of this subpart. Records are maintained of each affected coatings and the annual usage.

**6NYCRR, Part 228.5-Surface Coating:** requires certification from the coating suppliers which verifies the actual VOC content of "as applied" coatings used at the facility. Coatings used at the facility are limited to a VOC content of 3.5 pounds per gallon as applied and less water and exempt solvents.



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Certification from the supplier or an independent analysis confirming compliance with the "as applied" limit is required of each new coating prior to its use.

**6NYCRR, Part 230.5-Gasoline Dispensing Sites:** As a gasoline dispensing site, the facility must document annual gasoline deliveries to the site. If the sum of deliveries during any consecutive twelve month period is expected to exceed 120,000 gallons, the appropriate Stage I and II vapor collection systems must be in place prior to the site being subject to the control requirements of Part 230.2.

**6NYCRR, Part 231-2.12(a)(6)-New Source Review in Non-Attainment Areas:** This condition documents the establishment of emission reduction credits of volatile organic compounds in November 1996. With the establishment of the PAL only the 43.8 tons for offsets are available from the shutdown of various vapor degreasing and surface coating operations at the facility. Credit for netting purposes will no longer be valid as these reductions are accounted for within the contemporaneous period of the proposed PAL.

**Emission Unit Descriptions and Applicable Requirements:**

Emission unit **ADHES1** describes the application of RTV sealants and adhesives to join heater parts. Potential emissions of VOC meet the criteria for insignificant emissions and therefore are subject to state enforceable requirements only. The adhesives are limited to a maximum of 3.5 pounds of volatile organic compounds per gallon of coating as applied. Records of the VOC content are maintained.

Emission unit **BOILR1** describes two stationary combustion natural gas/number 2 fuel oil fired units located in building 9 which both exhaust through one emission point, D79-1. Delphi purchases steam for space heating and manufacturing purposes from the Lockport Energy Cogeneration facility. Therefore, these units serve as stand-by units only. Emission reduction credits in the amount of 24.6 tons of nitrogen oxides were established for the reduction in boiler operations. The boilers are subject only to the opacity limits of **6NYCRR, Part 227-1**.

Delphi operates two full Headered Tube Condenser (HTC) production lines (cells 3 and 4) which involve a brazing system consisting of a fluxer, flux dry oven, braze furnace, braze furnace burners, and braze furnace cooling chamber. There is also one controlled atmosphere braze line for aluminum serpentine condensers and are four controlled atmosphere braze lines for aluminum heat exchangers identified as cells 1, 2, 3, and 4. The fluxers and braze furnaces are described in **CAB01**, the flux drying ovens in **CAB02**, braze furnace air cooling chamber in **CAB03**, thermal degreasing, braze, and cooling of aluminum heat exchanger units in **CAB04**, and a fluxer and dry oven in **CAB05**. Each fluxer and braze furnace stack contains a wet scrubber for the control of particulate emissions. The emission rate potential (ERP) of VOCs emitted from each emission point associated with these emission units is less than the 3 pound per hour Part 212.10 RACT requirement for sources constructed prior to 08/15/94 and less than 3 pounds per hour and 15 pounds per day for sources constructed after. The braze paste is created and mixed within the facility. Purchase records are used to determine the amount of VOC and ethylene glycol used in the paste and which are emitted in the flux drying ovens described in CAB02. Annually the braze paste and VOC usage must be evaluated and if the quantity exceeds that used in the calculations submitted with the permit application, the facility must determine if a RACT analyses will then be required for the affected emission point.

This permit includes a pre-construction application for the GMT-360 condenser project

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expected to be installed in March 2001. This new system described in **CAB06** will be identical to the existing GMT-360 Radiator system described in CAB04. The aluminum cores for condensers are to be formed with thermal degreaseable lube oils. The cores are then fed into an E-Flux unit which applies a dry braze paste electrostatically. During the next step, the condensers are introduced into the 4-Zone gas-fired thermal degreaser which removes 91% of the oil utilizing an afterburner temperature of 750 degrees C. The third step is the Camlaw CAB Braze furnace which uses electric heat and a controlled nitrogen atmosphere. Particulate emissions are controlled by a packed tower wet venturi scrubber. The fourth step is the cooling zone where outside air is used to cool the cores down to ambient temperature so they can be safely handled. The final operation is a powder paint system which applies paint electrostatically and generates no emissions. The use of powder paint systems will eventually replace VOC solvent based paint systems used for condensers. VOC emission rate potentials from each emission point were evaluated for the applicability of 6NYCRR, Part 212.10 RACT requirements and found to be less than 3 pounds per hour and 15 pounds per day which would have required a RACT analysis. In addition, potential VOC emissions from this emission unit were evaluated with those of emission unit CAB04 and found to be less than 40 tons which would have required a NSR applicability determination.

Emission unit **COAT1** describes the wash/chromate conversion coating system. The cleaner contains no volatile organic compounds (VOC) or hazardous air pollutants (HAP's) and is a trivial activity as per **6NYCRR, Part 201-3.3(c)(50)**, for equipment using water-based cleaners. If cleaners using VOCs are to be considered, they must be evaluated for applicability to the RACT requirements of **6NYCRR, Part 212.10**. Stack testing on similar sources indicated that chromium emissions are below the detectable limit and liquid particulates are less than 10 pounds per hour for "B" or "C" rated contaminants. The NESHAP 40 CFR Part 63 Subpart N for Hard and Decorative Chrome Electroplating does not apply to chromate conversion coating.

Emission unit **EDM01** describes electrical discharge machines that form various shaped holes into dies using an electric arc submerged in oil. The emission sources identified within this unit have been determined to be trivial activities as defined by **6NYCRR, Part 201-3.3(c)(57)**.

Emission unit **INDBR1** describes the induction brazing processes of evaporator parts and headered tube condensers using a flux which contains VOC. Emissions from each emission point associated with this unit have been evaluated against the Reasonably Available Control Requirements (RACT) of **6NYCRR, Part 212.10(f)** for sources constructed after 8/15/94. Since actual emissions from each emission point are less than 3 pounds per hour and 15 pounds per day, a RACT analysis was not required. Delphi shall evaluate flux usage annually.

Emission unit **INDBR2** describes various induction brazing, flame brazing, and welding operations used to assemble evaporators and serpentine condensers. The associated emission points were evaluated against the RACT requirements of **6NYCRR, Part 212.10(c)(1)** for sources constructed prior to 8/15/94. Since actual VOC emissions are less than 3 pounds per hour, a RACT analysis was not required. However, flux usage shall be evaluated on an annual basis to determine if there is an increase which would require revised emissions calculations and a RACT analysis.

Emission unit **INDBR3** describes the brazing of two aluminum block fittings using pre-fluxed braze rings. Emissions of particulates are subject to the .05 gr/dscf limitations of Part 212.4(c).

Emission unit **INKJT** describes the ink jet marking of production components. The system



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consists of a large ink dauber type marker that is automated to stamp a dot onto parts as they move down the assembly line. These emissions are fugitive and meet the criteria of an insignificant emissions activity for potential VOC less than 2.5 tons per year and potential HAPs less than 1000 pounds per year individual and 5000 pounds per year combined.

Emission unit **PAINT1** describes the automatic painting of tube and fin condensers, serpentine condensers, and headered tube condensers. Surface coatings are limited by **6NYCRR, Part 228.7** to the maximum 3.5 pounds of VOC per gallon of coating "as applied" for extreme performance coatings. The type and parameters of the paint used does not change, therefore each coating shall be sampled once during the duration of the permit and in the event a different formulation is approved for use. In addition, particulates from the spraying operations are limited to .05 grains per dscf. Compliance is to be demonstrated by weekly and monthly maintenance programs to include replacement and cleaning of filters, baffles, nozzles and inspections of exhaust ducts, stacks, and blowers.

Emission unit **PAINT2** describes the paint drying ovens associated with emission unit **PAINT1**. VOC emissions are limited by the "as applied" coating requirements associated with **PAINT1**.

Emission unit **PAPER1** describes the shredding of scrap cardboard and paper which is conveyed to a cyclone separator and into a baler. **6NYCRR, Part 212.4(c)** limits the particulate emission rate to .05 gr/dscf. Monthly visual inspections of the cyclone collector and the area adjacent along with routine maintenance will be conducted to ensure compliance.

Emission unit **RSTPT2** describes an automatic conveyerized paint spray line and associated ovens used in the painting of radiators. Emission reduction credits in the amount of 47.6 tons of VOC for offsets only were established in November 1996 as per the requirements of **6NYCRR, Part 231-2.12** for the reduction in operation at paint line #3 and dismantling of paint line #1. Special conditions were established limiting allowable emissions from the remaining operations at line #1 to 8.7 tons per year. The VOC content of the coatings is limited to 3.5 pounds per gallon "as applied" for extreme performance coatings.

Emission unit **PASTE1** describes the manual mixing of solder paste used for brazing operations at other locations. This operation has been determined a trivial activity as per **6NYCRR, Part 201-3.3**.

Emission unit **ROLL1** describes a metal rolling mill which uses a metal lube oil. This has been determined to be a trivial activity as defined by **6NYCRR, Part 201-3.3(c)(57)**.

Emission unit **SOLDR1** describes two soldering lines that automatically solder machine-return tube bends onto main condenser tubes. The emission rate potential of VOCs emitted from the flux used have been evaluated for each emission point and found to be less than the 3 pound per hour requirement for a RACT analysis **6NYCRR, Part 212.10(c)** for sources constructed prior to 8/15/94. On an annual basis, flux usage will be evaluated to determine if it exceeds the amount used in calculations and if so, the hourly VOC emissions shall be re-calculated.

Emission unit **THERM1** describes four thermal degreasing units (hot boxes) used to remove a thin film of lubricating oil from aluminum evaporator centers. Initial calculations indicated that these units considered as one source project would be subject to the requirements of **6NYCRR, Part 231-2 New Source Review in Non-Attainment Areas (NSR)** for the emissions of VOC and each emission point



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would be subject to the RACT requirements of **6NYCRR, Part 212.10**. However, improvements made to the oil application system allowed for oil to be applied to parts more precisely and efficiently resulting in a decrease in potential VOC emissions. Subsequent testing and calculations based on actual analyses of oil loadings prior to degreasing and loss on cleaned product have shown that actual VOC emissions are less than the 3 pounds per hour and 15 pounds per day required for RACT and the project emission potential of VOC is less than 40 tons per year required for a NSR review.

Emission unit **THERM2** serves as a pre-construction application for the additional thermal degreasing of aluminum centers described as hot boxes #5 and #6. Hot box #5 was installed in building 10 in November 1999 and hot box #6 will be installed as part of the GMT 600/GMT 610 project by March 2001. Each includes a center forming machine, thermal degreaser (oven and cooling chamber) and a core assembly machine. Emission points include WK451( oven) and WK452 (cooling) for hot box #6 and WK453 (oven) and WK454 (cooling) for hot box #5. Actual emissions were calculated based on oil loss from material balance testing of centers before and after the thermal degreaser. Potential emissions are conservative estimates based on three times that of the actual oil application rate. Emissions from each emission points are less than the emission rate potential of 3 pounds per hour and actual emissions of 15 pounds per day required for a RACT analysis. The emissions from these sources have been evaluated along with the four hotbox units described in THERM1 for NSR applicability. Material balance testing and calculations submitted indicate that the project emission potential of VOC from all six hot boxes is less than the 40 ton per year which would trigger 6NYCRR, Part 231-2 applicability.

Emission unit **TUBEF1** return bend cutting, tube bending, and tube forming machines using metal cutting and cooling oils. These are high viscosity oils, liquid particulate emissions of which are controlled by a demisters which have control efficiencies of 70-98% based on manufacturer's guarantees. These sources are determined to be trivial activities as per **6NYCRR, Part 201-3.3(c)(57)**.

Emission unit **VBRAZ1** describes the vacuum brazing of aluminum evaporator cores and industrial oil coolers in electrically heated furnaces. Parts are formed with a lubricant containing a maximum of 2 % VOC used in a maximum of 15% in water. The associated vacuum pumps to remove the forming oil are equipped with Stokes oil mist separators with 92%-99% removal efficiency for oil mist particulates. Particulate emissions are regulated by **6NYCRR, Part 212.4(c)**. VOC emissions from the braze furnaces are less than the the 3 pound per hour and 15 pounds per day required for RACT.

Emission unit **WASH01** describes the washing of oil cooler and valve components in alkaline washes. The associated emission sources have been determined to be trivial activities as defined by **6NYCRR, Part 201-3.3(c)(47)**.

Emission units **WELD01** describes the solder and welding of radiator supply tanks and the spot welding of steel rods onto air conditioner door plates. **WELD02** describes the welding of headered tube condensers pipes and miscellaneous metal parts by a welding of evaporators by automated inert gas shielded arc welders. In addition to these automated welders, WELD02 includes several manual inert gas shielded arc welders, which are considered trivial activities as per **6NYCRR, Part 201-3.3(c)(54)** manual inert gas shielded arc welder. These are insignificant emission activities with potential emissions less than 2.5 tons per year and no hazardous air pollutants.

Delphi operates an industrial wastewater treatment facility. Emission unit **WWTP01** describes the drying of sludge/slurry. The dryer exhaust gases pass through a scrubber which controls particulate



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emissions and VOC. Compliance with the particulate limit in **6NYCRR, Part 212.4(c)** of .05 gr/dscf was demonstrated by an initial stack test and is ensured by weekly inspection and preventative maintenance program and the daily monitoring of the differential pressure. VOC emissions are required to maintain a minimum of 81% overall removal efficiency in order to meet the RACT requirements of **6NYCRR, Part 212.10(c)(4)(i)**. A manufacturer's guarantee of 90% removal efficiency is maintained by the weekly inspection and preventative maintenance program.

Emission unit **WWTP02** describes fugitive emissions from three batch acid cleaning dip tanks used to remove deposits on small parts used in the water treatment process. This process has been determined to be a trivial activity as defined by **6NYCRR, Part 201-3.3(c)(47)**.

By acceptance of this permit, the permittee agrees that the permit is contingent upon strict compliance with the ECL, all applicable regulations, the General Conditions specified and any Special Conditions included as part of this permit.

Permit Administrator: RICHARD P. SWEENEY  
270 MICHIGAN AVE  
BUFFALO, NY 14203-2999

Authorized Signature: \_\_\_\_\_ Date: \_\_\_ / \_\_\_ / \_\_\_\_



**Notification of Other Permittee Obligations**

**Item A: Permittee Accepts Legal Responsibility and Agrees to Indemnification**

The permittee expressly agrees to indemnify and hold harmless the Department of Environmental Conservation of the State of New York, its representatives, employees, agents, and assigns for all claims, suits, actions, damages, and costs of every name and description, arising out of or resulting from the permittee's undertaking of activities or operation and maintenance of the facility or facilities authorized by the permit in compliance or non-compliance with the terms and conditions of the permit.

**Item B: Permittee's Contractors to Comply with Permit**

The permittee is responsible for informing its independent contractors, employees, agents and assigns of their responsibility to comply with this permit, including all special conditions while acting as the permittee's agent with respect to the permitted activities, and such persons shall be subject to the same sanctions for violations of the Environmental Conservation Law as those prescribed for the permittee.

**Item C: Permittee Responsible for Obtaining Other Required Permits**

The permittee is responsible for obtaining any other permits, approvals, lands, easements and rights-of-way that may be required to carry out the activities that are authorized by this permit.

**Item D: No Right to Trespass or Interfere with Riparian Rights**

This permit does not convey to the permittee any right to trespass upon the lands or interfere with the riparian rights of others in order to perform the permitted work nor does it authorize the impairment of any rights, title, or interest in real or personal property held or vested in a person not a party to the permit.



**LIST OF CONDITIONS**

**DEC GENERAL CONDITIONS**

**General Provisions**

Facility Inspection by the Department

Relationship of this Permit to Other Department Orders and Determinations

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Permit Modifications, Suspensions, and Revocations by the Department

Permit Modifications, Suspensions, and Revocations by the Department

**Facility Level**

Submission of Applications for Permit Modification or Renewal -REGION 9  
HEADQUARTERS



**DEC GENERAL CONDITIONS**

**\*\*\*\* General Provisions \*\*\*\***

**Condition 1: Facility Inspection by the Department**  
**Applicable State Requirement: ECL 19-0305.**

**Item 1.1:**

The permitted site or facility, including relevant records, is subject to inspection at reasonable hours and intervals by an authorized representative of the Department of Environmental Conservation (the Department) to determine whether the permittee is complying with this permit and the ECL. Such representative may order the work suspended pursuant to ECL 71-0301 and SAPA 401(3).

**Item 1.2:**

The permittee shall provide a person to accompany the Department's representative during an inspection to the permit area when requested by the Department.

**Item 1.3:**

A copy of this permit, including all referenced maps, drawings and special conditions, must be available for inspection by the Department at all times at the project site or facility. Failure to produce a copy of the permit upon request by a Department representative is a violation of this permit.

**Condition 2: Relationship of this Permit to Other Department Orders and Determinations**  
**Applicable State Requirement: ECL 3-0301.2(m)**

**Item 2.1:**

Unless expressly provided for by the Department, issuance of this permit does not modify, supersede or rescind any order or determination previously issued by the Department or any of the terms, conditions or requirements contained in such order or determination.

**Condition 3: Applications for Permit Renewals and Modifications**  
**Applicable State Requirement: 6NYCRR 621.13(a)**

**Item 3.1:**

The permittee must submit a separate written application to the Department for renewal, modification or transfer of this permit. Such application must include any forms or supplemental information the Department requires. Any renewal, modification or transfer granted by the Department must be in writing.

**Item 3.2:**

The permittee must submit a renewal application at least 180 days before expiration of permits for Title V Facility Permits, or at least 30 days before expiration of permits for State Facility Permits.

**Condition 4: Permit Modifications, Suspensions, and Revocations by the Department**  
**Applicable State Requirement: 6NYCRR 621.14**

**Item 4.1:**

The Department reserves the right to modify, suspend, or revoke this permit. The grounds for



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modification, suspension or revocation include:

- a) the scope of the permitted activity described in the application is exceeded or a violation of any condition of the permit or provisions of the ECL and pertinent regulations is found;
- b) the permit was obtained by misrepresentation or failure to disclose relevant facts;
- c) new material information is discovered; or
- d) environmental conditions, relevant technology, or applicable law or regulation have materially changed since the permit was issued.

**Condition 5: Permit Modifications, Suspensions, and Revocations by the Department**  
**Applicable State Requirement: 6NYCRR 621.14**

**Item 5.1:**

The Department reserves the right to modify, suspend, or revoke this permit. The grounds for modification, suspension or revocation include:

- a) the scope of the permitted activity is exceeded or a violation of any condition of the permit or provisions of the ECL and pertinent regulations is found;
- b) the permit was obtained by misrepresentation or failure to disclose relevant facts;
- c) new material information is discovered; or
- d) environmental conditions, relevant technology, or applicable law or regulation have materially changed since the permit was issued.

**\*\*\*\* Facility Level \*\*\*\***

**Condition 6: Submission of Applications for Permit Modification or Renewal -REGION 9 HEADQUARTERS**  
**Applicable State Requirement: 6NYCRR 621.5(a)**

**Item 6.1:**

Submission of applications for permit modification or renewal are to be submitted to:

NYSDEC Regional Permit Administrator  
Region 9 Headquarters  
Division of Environmental Permits  
270 Michigan Avenue  
Buffalo, NY 14203-2999  
(716) 851-7165



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**Permit Under the Environmental Conservation Law (ECL)**

**ARTICLE 19: AIR POLLUTION CONTROL - TITLE V PERMIT**

**IDENTIFICATION INFORMATION**

Permit Issued To: DELPHI AUTOMOTIVE SYSTEMS LLC  
1450 WEST LONG LAKE  
MC 414480-260  
TROY, MI 48098

Facility: DELPHI HARRISON THERMAL SYSTEMS  
200 UPPER MOUNTAIN RD  
LOCKPORT, NY 14094

Contact: ROBERT J. JOHNSON  
DELPHI HARRISON THERMAL SYSTEMS  
200 UPPER MOUNTAIN ROAD  
LOCKPORT, NY 14094-1896  
(716) 439-3126

Authorized Activity By Standard Industrial Classification Code:  
3714 - MOTOR VEHICLE PARTS & ACCESSORIES

Permit Effective Date: 05/03/2001

Permit Expiration Date: 05/03/2006



**LIST OF CONDITIONS**

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- 61 Compliance Certification (EU=P-AINT1)
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lb/hr VOC or NO<sub>x</sub>
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**FEDERALLY ENFORCEABLE CONDITIONS**

**\*\*\*\* Facility Level \*\*\*\***

**Condition 1: Definitions Applicable To This Permit**  
**Effective between the dates of 05/03/2001 and 05/03/2006**

**Applicable Federal Requirement: 6NYCRR 200.1**

**Item 1.1:**

The definitions found in Parts 200 and 201 apply throughout this permit. Specific definitions used in this permit and their meanings include:

1. "Act" refers to the Federal Clean Air Act, 42 U.S.C. Section 7401, et seq., as amended by Public Law 101-549, November 15, 1990.
2. "Administrator" refers to the Administrator of the United States Environmental Protection Agency or designee.
3. "Department" refers to the New York State Department of Environmental Conservation.

**Condition 2: Sealing**  
**Effective between the dates of 05/03/2001 and 05/03/2006**

**Applicable Federal Requirement: 6NYCRR 200.5**

**Item 2.1:**

(a) The commissioner may seal an air contamination source to prevent its operation if compliance with 6 NYCRR Chapter III is not met within the time provided by an order of the commissioner issued in the case of the violation. Sealing means labelling or tagging a source to notify any person that operation of the source is prohibited, and also includes physical means of preventing the operation of an air contamination source without resulting in destruction of any equipment associated with such source, and includes, but is not limited to, bolting, chaining or wiring shut control panels, apertures or conduits associated with such source.

(b) No person shall operate any air contamination source sealed by the commissioner in accordance with this section unless a modification has been made which enables such source to comply with all requirements applicable to such modification.

(c) Unless authorized by the commissioner, no person shall remove or alter any seal affixed to any contamination source in accordance with this section

**Condition 3: Acceptable ambient air quality**  
**Effective between the dates of 05/03/2001 and 05/03/2006**

**Applicable Federal Requirement: 6NYCRR 200.6**

**Item 3.1:**



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Notwithstanding the provisions of 6 NYCRR Chapter III, Subchapter A, no person shall allow or permit any air contamination source to emit air contaminants in quantities which alone or in combination with emissions from other air contamination sources would contravene any applicable ambient air quality standard and/or cause air pollution. In such cases where contravention occurs or may occur, the commissioner shall specify the degree and/or method of emission control required.

**Condition 4: Maintenance of equipment**  
**Effective between the dates of 05/03/2001 and 05/03/2006**

**Applicable Federal Requirement: 6NYCRR 200.7**

**Item 4.1:**

Any person who owns or operates an air contamination source which is equipped with an emission control device shall operate such device and keep it in a satisfactory state of maintenance and repair in accordance with ordinary and necessary practices, standards and procedures, inclusive of manufacturer's specifications, required to operate such device effectively.

**Condition 5: Unpermitted Emission Sources**  
**Effective between the dates of 05/03/2001 and 05/03/2006**

**Applicable Federal Requirement: 6NYCRR 201-1.2**

**Item 5.1:**

If an existing emission source was subject to the permitting requirements of 6NYCRR Part 201 at the time of construction or modification, and the owner and/or operator failed to apply for a permit for such emission source then the following provisions apply:

- (a) The owner and/or operator must apply for a permit for such emission source or register the facility in accordance with the provisions of Part 201.
- (b) The emission source or facility is subject to all regulations that were applicable to it at the time of construction or modification and any subsequent requirements applicable to existing sources or facilities.

**Condition 6: Unavoidable Noncompliance and Violations**  
**Effective between the dates of 05/03/2001 and 05/03/2006**

**Applicable Federal Requirement: 6NYCRR 201-1.4**

**Item 6.1:**

At the discretion of the commissioner a violation of any applicable emission standard for necessary scheduled equipment maintenance, start-up/shutdown conditions and malfunctions or upsets may be excused if such violations are unavoidable. The following actions and recordkeeping and reporting requirements must be adhered to in such circumstances.

- (a) The facility owner and/or operator shall compile and maintain records of all equipment maintenance or start-up/shutdown activities when they can be expected to result in an exceedance of any applicable emission standard, and shall submit a report of such activities to the commissioner's



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representative when requested to do so in writing or when so required by a condition of a permit or certificate issued for the corresponding air contamination source. Such reports shall describe why the violation was unavoidable and shall include the time, frequency and duration of the maintenance and/or start-up/shutdown activities and the identification of air contaminants, and the estimated emission rates. If a facility owner and/or operator is subject to continuous stack monitoring and quarterly reporting requirements, he need not submit reports for equipment maintenance or start-up/shutdown for the facility to the commissioner's representative.

(b) In the event that emissions of air contaminants in excess of any emission standard in 6 NYCRR Chapter III Subchapter A occur due to a malfunction, the facility owner and/or operator shall report such malfunction by telephone to the commissioner's representative as soon as possible during normal working hours, but in any event not later than two working days after becoming aware that the malfunction occurred. Within 30 days thereafter, when requested in writing by the commissioner's representative, the facility owner and/or operator shall submit a written report to the commissioner's representative describing the malfunction, the corrective action taken, identification of air contaminants, and an estimate of the emission rates.

(c) The Department may also require the owner and/or operator to include in reports described under (a) and (b) above an estimate of the maximum ground level concentration of each air contaminant emitted and the effect of such emissions depending on the deviation of the malfunction and the air contaminants emitted.

(d) In the event of maintenance, start-up/shutdown or malfunction conditions which result in emissions exceeding any applicable emission standard, the facility owner and/or operator shall take appropriate action to prevent emissions which will result in contravention of any applicable ambient air quality standard. Reasonably available control technology, as determined by the commissioner, shall be applied during any maintenance, start-up/shutdown or malfunction condition subject to this paragraph.

**Condition 7: Emergency Defense**  
**Effective between the dates of 05/03/2001 and 05/03/2006**

**Applicable Federal Requirement: 6NYCRR 201-1.5**

**Item 7.1:**

An emergency constitutes an affirmative defense to an action brought for noncompliance with emissions limitations or permit conditions for all facilities in New York State.

(a) The affirmative defense of emergency shall be demonstrated through properly signed, contemporaneous operating logs, or other relevant evidence that:

(1) An emergency occurred and that the facility owner and/or operator can identify the cause(s) of the emergency;

(2) The equipment at the permitted facility causing the emergency was at the time being properly operated;

(3) During the period of the emergency the facility owner and/or operator took all



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reasonable steps to minimize levels of emissions that exceeded the emission standards, or other requirements in the permit; and

(4) The facility owner and/or operator notified the Department within two working days after the event occurred. This notice must contain a description of the emergency, any steps taken to mitigate emissions, and corrective actions taken.

(b) In any enforcement proceeding, the facility owner and/or operator seeking to establish the occurrence of an emergency has the burden of proof.

(c) This provision is in addition to any emergency or upset provision contained in any applicable requirement.

**Condition 8: Recycling and Salvage**  
**Effective between the dates of 05/03/2001 and 05/03/2006**

**Applicable Federal Requirement: 6NYCRR 201-1.7**

**Item 8.1:**

Where practical, any person who owns or operates an air contamination source shall recycle or salvage air contaminants collected in an air cleaning device according to the requirements of 6 NYCRR.

**Condition 9: Prohibition of Reintroduction of Collected Contaminants to the Air**  
**Effective between the dates of 05/03/2001 and 05/03/2006**

**Applicable Federal Requirement: 6NYCRR 201-1.8**

**Item 9.1:**

No person shall unnecessarily remove, handle, or cause to be handled, collected air contaminants from an air cleaning device for recycling, salvage or disposal in a manner that would reintroduce them to the outdoor atmosphere.

**Condition 10: Public Access to Recordkeeping for Title V facilities**  
**Effective between the dates of 05/03/2001 and 05/03/2006**

**Applicable Federal Requirement: 6NYCRR 201-1.10(b)**

**Item 10.1:**

The Department will make available to the public any permit application, compliance plan, permit, and monitoring and compliance certification report pursuant to Section 503(e) of the Act, except for information entitled to confidential treatment pursuant to 6NYCRR Part 616 - Public Access to records and Section 114(c) of the Act.

**Condition 11: Proof of Eligibility**  
**Effective between the dates of 05/03/2001 and 05/03/2006**

**Applicable Federal Requirement: 6NYCRR 201-3.2(a)**

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**Item 11.1:**

The owner and/or operator of an emission source or unit that is eligible to be exempt, may be required to certify that it operates within the specific criteria described in 6 NYCRR Subpart 201-3. The owner or operator of any such emission source must maintain all required records on-site for a period of five years and make them available to representatives of the Department upon request. Department representatives must be granted access to any facility which contains emission sources or units subject to 6 NYCRR Subpart 201-3, during normal operating hours, for the purpose of determining compliance with this and any other state and federal air pollution control requirements, regulations, or law.

**Condition 12: Proof of Eligibility**

**Effective between the dates of 05/03/2001 and 05/03/2006**

**Applicable Federal Requirement: 6NYCRR 201-3.3(a)**

**Item 12.1:**

The owner and/or operator of an emission source or unit that is listed as being trivial in 6 NYCRR Part 201 may be required to certify that it operates within the specific criteria described in 6 NYCRR Subpart 201-3. The owner or operator of any such emission source must maintain all required records on-site for a period of five years and make them available to representatives of the Department upon request. Department representatives must be granted access to any facility which contains emission sources or units subject to 6 NYCRR Subpart 201-3, during normal operating hours, for the purpose of determining compliance with this and any other state and federal air pollution control requirements, regulations, or law.

**Condition 13: Applicable Criteria, Limits, Terms, Conditions and Standards**

**Effective between the dates of 05/03/2001 and 05/03/2006**

**Applicable Federal Requirement: 6NYCRR 201-6.**

**Item 13.1:**

Operation of this facility shall take place in accordance with the approved criteria, emission limits, terms, conditions and standards in the permit. This shall include:

- i. Any reporting requirements and operations under an accidental release plan, response plan, and compliance plan as approved as of the date of the permit issuance, or
- ii. Any support documents submitted as a part of the permit application for this facility as accepted and approved as of the date of permit issuance.

Any noncompliance with the federally-enforceable portions of this permit constitutes a violation of the federal Clean Air Act and will be grounds for enforcement action, for permit termination, revocation and reissuance, or modification, or for denial of a permit renewal application.

**Item 13.2:**

Any document, including reports, required by the federally-enforceable portions of this permit shall contain a certification by the responsible official for this facility as set forth in Section 201-6.3 that based



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on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate and complete.

**Condition 14: Cessation or Reduction of Permitted Activity Not a Defense  
Effective between the dates of 05/03/2001 and 05/03/2006**

**Applicable Federal Requirement: 6NYCRR 201-6.**

**Item 14.1:**

It shall not be a defense for a permittee in an enforcement action to claim that a cessation or reduction in the permitted activity would have been necessary in order to maintain compliance with the conditions of this permit.

**Condition 15: Compliance Requirements  
Effective between the dates of 05/03/2001 and 05/03/2006**

**Applicable Federal Requirement: 6NYCRR 201-6.**

**Item 15.1:**

The following information must be included in any required compliance monitoring records and reports:

- i. The date, place and time of sampling or measurements;
- ii. The date(s) analyses were performed;
- iii. The company or entity that performed the analyses;
- iv. The analytical techniques or methods used including quality assurance and quality control procedures if required;
- v. The results of such analyses including quality assurance data where required; and
- vi. The operating conditions as existing at the time of sampling or measurement;

Any deviation from permit requirements must be clearly identified in all records and reports. Reports must be certified by the responsible official, consistent with Section 201-6.3 of Part 201.

**Item 15.2:**

The permittee shall comply with the approved compliance schedule for this permit if such a schedule is a part of this permit. Risk management plans must be submitted to the Administrator if required by Section 112(r) of the Clean Air Act for this facility.

**Item 15.3:**

Progress reports consistent with an applicable schedule of compliance must be submitted at least semiannually on a calendar year basis, or at a more frequent period if specified in the applicable requirement or by the Department elsewhere in this permit. These reports shall be submitted to the Department within 30 days after the end of a reporting period. Such progress reports shall contain the following:



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- i. Dates for achieving the activities, milestones, or compliance required in the schedule of compliance, and dates when such activities, milestones or compliance were achieved; and
- ii. An explanation of why any dates in the schedule of compliance were not or will not be met, and any preventive or corrective measures adopted.

**Condition 16: Federally-Enforceable Requirements**  
**Effective between the dates of 05/03/2001 and 05/03/2006**

**Applicable Federal Requirement: 6NYCRR 201-6.**

**Item 16.1:**

All terms and conditions in this permit required by the Act or any applicable requirement, including any provisions designed to limit a facility's potential to emit, are enforceable by the Administrator and citizens under the Act. The Department has, in this permit, specifically designated any terms and conditions that are not required under the Act or under any of its applicable requirements as being enforceable under only state regulations.

**Condition 17: Fees**  
**Effective between the dates of 05/03/2001 and 05/03/2006**

**Applicable Federal Requirement: 6NYCRR 201-6.**

**Item 17.1:**

The permittee shall pay the required fees associated with this permit.

**Condition 18: Monitoring, Related Recordkeeping and Reporting Requirements**  
**Effective between the dates of 05/03/2001 and 05/03/2006**

**Applicable Federal Requirement: 6NYCRR 201-6.**

**Item 18.1:**

Compliance monitoring and recordkeeping shall be conducted according to the terms and conditions contained in this permit and shall follow all quality assurance requirements. Records of all monitoring data and support information shall be retained for a period of at least 5 years from the date of the monitoring sample, measurement, report, or application. Support information includes all calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation, and copies of all reports required by the permit.

**Condition 19: Permit Revocation, Modification, Reopening, Reissuance or Termination, and Associated Information Submission Requirements**  
**Effective between the dates of 05/03/2001 and 05/03/2006**

**Applicable Federal Requirement: 6NYCRR 201-6.**



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**Item 19.1:**

This permit may be modified, revoked, reopened and reissued, or terminated for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not relieve the permittee from the requirement to comply with any condition contained in this permit.

The permittee shall furnish to the Department, within a reasonable time, any information that the Department may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating the permit or to determine compliance with the permit. The permittee shall also, on request, furnish the Department with copies of records required to be kept by the permit. Where information is claimed to be confidential, the permittee may furnish such records directly to the Administrator along with a claim of confidentiality.

**Condition 20: Permit Shield**

**Effective between the dates of 05/03/2001 and 05/03/2006**

**Applicable Federal Requirement: 6NYCRR 201-6.**

**Item 20.1:**

All permittees granted a Title V facility permit shall be covered under the protection of a permit shield. For those facilities for which a permit shield has been granted, compliance with the conditions of the permit shall be deemed compliance with any applicable requirements as of the date of permit issuance, provided that such applicable requirements are included and are specifically identified in the permit, or the Department, in acting on the permit application or revision, determines in writing that other requirements specifically identified are not applicable to the major stationary source, and the permit includes the determination or a concise summary thereof. Nothing herein shall preclude the Department from revising or revoking the permit pursuant to 6 NYCRR Part 621 or from exercising its summary abatement authority. Nothing in this permit shall alter or affect the following:

- i. The ability of the Department to seek to bring suit on behalf of the State of New York, or the Administrator to seek to bring suit on behalf of the United States, to immediately restrain any person causing or contributing to pollution presenting an imminent and substantial endangerment to public health, welfare or the environment to stop the emission of air pollutants causing or contributing to such pollution;
- ii. The liability of a permittee of the Title V facility for any violation of applicable requirements prior to or at the time of permit issuance;
- iii. The applicable requirements of Title IV of the Act;
- iv. The ability of the Department or the Administrator to obtain information from the permittee concerning the ability to enter, inspect and monitor the facility.

**Condition 21: Property Rights**

**Effective between the dates of 05/03/2001 and 05/03/2006**

**Applicable Federal Requirement: 6NYCRR 201-6.**



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**Item 21.1:**

This permit does not convey any property rights of any sort or any exclusive privilege.

**Condition 22: Reopening for Cause**

**Effective between the dates of 05/03/2001 and 05/03/2006**

**Applicable Federal Requirement: 6NYCRR 201-6.**

**Item 22.1:**

This Title V permit shall be reopened and revised under any of the following circumstances:

i. If additional applicable requirements under the Act become applicable where this permit's remaining term is three or more years, a reopening shall be completed not later than 18 months after promulgation of the applicable requirement. No such reopening is required if the effective date of the requirement is later than the date on which this permit is due to expire, unless the original permit or any of its terms and conditions has been extended by the Department pursuant to the provisions of Part 201-6.7 and Part 621.

ii. The Department or the Administrator determines that the permit contains a material mistake or that inaccurate statements were made in establishing the emissions standards or other terms or conditions of the permit.

iii. The Department or the Administrator determines that the Title V permit must be revised or reopened to assure compliance with applicable requirements.

iv. If the permitted facility is an "affected source" subject to the requirements of Title IV of the Act, and additional requirements (including excess emissions requirements) become applicable. Upon approval by the Administrator, excess emissions offset plans shall be deemed to be incorporated into the permit.

**Item 22.2:**

Proceedings to reopen and issue Title V facility permits shall follow the same procedures as apply to initial permit issuance but shall affect only those parts of the permit for which cause to reopen exists.

**Item 22.3:**

Reopenings shall not be initiated before a notice of such intent is provided to the facility by the Department at least thirty days in advance of the date that the permit is to be reopened, except that the Department may provide a shorter time period in the case of an emergency.

**Condition 23: Right to Inspect**

**Effective between the dates of 05/03/2001 and 05/03/2006**

**Applicable Federal Requirement: 6NYCRR 201-6.**

**Item 23.1:**

Upon presentation of credentials and other documents, as may be required by law, the permittee shall allow the Department or an authorized representative to perform the following:

i. Enter upon the permittee's premises where the permitted facility is located or emissions-related activity



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is conducted, or where records must be kept under the conditions of the permit;

ii. Have access to and copy, at reasonable times, any records that must be kept under the conditions of the permit;

iii. Inspect, at reasonable times, any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under the permit; and

iv. As authorized by the Act, sample or monitor, at reasonable times, substances or parameters for the purpose of assuring compliance with the permit or applicable requirements.

**Condition 24: Severability**

**Effective between the dates of 05/03/2001 and 05/03/2006**

**Applicable Federal Requirement: 6NYCRR 201-6.**

**Item 24.1:**

If any provisions, parts or conditions of this permit are found to be invalid or are the subject of a challenge, the remainder of this permit shall continue to be valid.

**Condition 25: Emission Unit Definition**

**Effective between the dates of 05/03/2001 and 05/03/2006**

**Applicable Federal Requirement: 6NYCRR 201-6.**

**Item 25.1:**

The facility is authorized to perform regulated processes under this permit for:

Emission Unit: 0-CAB01

Emission Unit Description:

Brazing manufactured components by application of flux paste, oven flux drying, oven brazing and cooling. This emission unit describes control equipment utilized in the manufacturing of components in controlled atmosphere braze lines.

Building(s): BLDG07

BLDG08

BLDG10

**Item 25.2:**

The facility is authorized to perform regulated processes under this permit for:

Emission Unit: 0-CAB02

Emission Unit Description:

Flux drying in ovens. An aqueous suspension of flux is applied and then dried before entering the braze furnace. It is assumed that the ethylene glycol and VOC used in the braze paste is completely emitted in the flux drying stage.

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Building(s): BLDG07  
BLDG08  
BLDG10

**Item 25.3:**

The facility is authorized to perform regulated processes under this permit for:

Emission Unit: 0-CAB03

Emission Unit Description:

Cooling brazed manufactured components with high blasts of outside air. The processes identified within this emission unit each having potential emissions of particulates less than 2.5 tons per year is an insignificant emissions activity.

Building(s): BLDG07  
BLDG08  
BLDG10

**Item 25.4:**

The facility is authorized to perform regulated processes under this permit for:

Emission Unit: 0-CAB04

Emission Unit Description:

Manufacturing cells for aluminum radiator heat exchangers utilizing controlled atmospheric brazing consisting of one thermal degreaser, one braze furnace, and two cooling zones for the braze furnace.

Building(s): BLDG07

**Item 25.5:**

The facility is authorized to perform regulated processes under this permit for:

Emission Unit: 0-CAB05

Emission Unit Description:

This emission unit represents a fluxer and dry oven vented to emission points WD49-1 and WD49-2.

**Item 25.6:**

The facility is authorized to perform regulated processes under this permit for:

Emission Unit: 0-CAB06

Emission Unit Description:

This emission unit represents a preconstruction application for the GMT-360 condenser project. The first part of this project was installed as the GMT-360 radiator system described in CAB04 in building 7 during 1999. The second part for condensers will begin construction in March 2001. This process will consist of an electrostatic fluxer, thermal degreaser, controlled atmosphere braze



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(CAB) furnace, cooling zones, and electrostatic powder paint.

**Item 25.7:**

The facility is authorized to perform regulated processes under this permit for:

Emission Unit: 0-COAT1

Emission Unit Description:

Chromate conversion coating of evaporators by washing and coating in the specialized system.

Building(s): BLDG08

**Item 25.8:**

The facility is authorized to perform regulated processes under this permit for:

Emission Unit: 0-EDM01

Emission Unit Description:

Electrical discharge milling machines form various shaped holes into dies by use of an electric arc submerged in oil. The emission sources identified within this emission unit have been determined to be trivial activities as defined by 6NYCRR, Part 201-3.3(c)(57).

**Item 25.9:**

The facility is authorized to perform regulated processes under this permit for:

Emission Unit: 0-ROLL1

Emission Unit Description:

Rolling aluminum metal through a machine using lube oil. Emissions are contained by a mist eliminator. The emission sources identified within this emission unit have been determined to be trivial activities as defined by 6NYCRR, Part 201-3.3(c)(57).

**Item 25.10:**

The facility is authorized to perform regulated processes under this permit for:

Emission Unit: A-DHES1

Emission Unit Description:

Application of adhesives to join manufactured components. This emission unit describes operations associated with five hot melt adhesive, one gasket cement, three foam melt stations and two RTV sealant stations.

Building(s): BLDG09

**Item 25.11:**

The facility is authorized to perform regulated processes under this permit for:

Emission Unit: B-OILR1

Emission Unit Description:

Two 60 MMBtu/hr dual fired gas/number 2 fuel oil package



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boilers located in building 9 used to generate steam for space heating and manufacturing processes needs as a standby to the Lockport Energy Cogeneration Facility. Both vent through emission point D79-1.

Building(s): BLDG09

**Item 25.12:**

The facility is authorized to perform regulated processes under this permit for:

Emission Unit: I-NDBR1

Emission Unit Description:

Assembly of manufactured components by induction brazing.

Building(s): BLDG08

**Item 25.13:**

The facility is authorized to perform regulated processes under this permit for:

Emission Unit: I-NDBR2

Emission Unit Description:

Assembly of manufactured components by induction brazing, flame brazing and welding.

Building(s): BLDG08  
BLDG10

**Item 25.14:**

The facility is authorized to perform regulated processes under this permit for:

Emission Unit: I-NDBR3

Emission Unit Description:

This emission unit describes four flame braze stations which involve brazing two aluminum pipes to an aluminum block fitting using pre-fluxed braze rings. Each pipe station utilizes eight natural gas torches with a maximum aggregate heat input of 85,000 BTU/hour. The station uses a timed, automatic process that cycles burners at a lower rate. The parts will be cooled with a combination of compressed air and city water quench. Typical negative ventilation with a damper for low volume will be used to remove steam from the hot water parts quench.

Building(s): BLDG08

**Item 25.15:**

The facility is authorized to perform regulated processes under this permit for:

Emission Unit: I-NKJT1

Emission Unit Description:

Marking production components using automated ink jet marking system. Emissions from these sources are fugitive

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and meet the criteria of an insignificant emissions activity for potential VOC less than 2.5 tons per year and potential HAPs less than 1000 pounds per year individual and 5000 pounds per year combined.

Building(s): BLDG07  
BLDG08  
BLDG09  
BLDG10

**Item 25.16:**

The facility is authorized to perform regulated processes under this permit for:

Emission Unit: P-AINT1

Emission Unit Description:

Painting of manufactured components with automatic paint spray.

Building(s): BLDG08  
BLDG10

**Item 25.17:**

The facility is authorized to perform regulated processes under this permit for:

Emission Unit: P-AINT2

Emission Unit Description:

Paint drying in ovens of manufactured components.

Building(s): BLDG08  
BLDG10

**Item 25.18:**

The facility is authorized to perform regulated processes under this permit for:

Emission Unit: P-APER1

Emission Unit Description:

Shredding scrap cardboard and paper pneumatically conveyed to a cyclone separator that drops solids into a mechanical baler.

Building(s): BLDG10

**Item 25.19:**

The facility is authorized to perform regulated processes under this permit for:

Emission Unit: P-ASTE1

Emission Unit Description:

Manually mixing solder paste for brazing operations in other locations. This process has been determined to be a trivial activity as defined by 6NYCRR, Part 201-3.3(c)(52).

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Building(s): BLDG07

**Item 25.20:**

The facility is authorized to perform regulated processes under this permit for:

Emission Unit: R-STPT2

Emission Unit Description:

This emission unit describes automatic conveyORIZED paint spraying and oven drying of Radiators/RST operations which are no longer in service. In November 1996, emission reduction credits were approved in the amount of 47.6 tons for a reduction in volatile organic compound emissions. This reduction occurred from the elimination of paint line #1, emission points 0RR31 and 0RR33 and reduced operation of paint line #3 which included the following emission points: 0RR73, 0RR74, 0RR75, 0RR76, 0RR77, RR151, RR152, and RR153.

Building(s): BLDG07

**Item 25.21:**

The facility is authorized to perform regulated processes under this permit for:

Emission Unit: S-OLDR1

Emission Unit Description:

Two soldering lines that automatically solder machine return tube bends into main condenser tubes.

Building(s): BLDG08

**Item 25.22:**

The facility is authorized to perform regulated processes under this permit for:

Emission Unit: T-HERM1

Emission Unit Description:

Thermal degreasing is used to clean parts. Consists of a degreasing zone and a cooling zone.

Building(s): BLDG08

**Item 25.23:**

The facility is authorized to perform regulated processes under this permit for:

Emission Unit: T-HERM2

Emission Unit Description:

This permit serves as a preconstruction application for the thermal degreasing of aluminum centers. The process includes a center forming machine, thermal degreaser (oven and cooling chamber) and a core assembly machine. Emission points include WK451 and WK452. Emissions from each emission points are less than the emission rate potential of 3 pounds per hour and actual emissions of 15 pounds per



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day required for a RACT analysis.

**Item 25.24:**

The facility is authorized to perform regulated processes under this permit for:

Emission Unit: T-UBEF1

Emission Unit Description:

Forming tubes from aluminum stock and seaming and fusing the ends together in induction heating zones.

Building(s): BLDG07  
BLDG08

**Item 25.25:**

The facility is authorized to perform regulated processes under this permit for:

Emission Unit: V-BRAZ1

Emission Unit Description:

Vacuum brazing in electrically heated furnaces.

Building(s): BLDG07  
BLDG08

**Item 25.26:**

The facility is authorized to perform regulated processes under this permit for:

Emission Unit: W-ASH01

Emission Unit Description:

Washing Oil Cooler and Valve components in alkaline washes. Two oil cooler process lines, one for industrial oil coolers and the other for copper/ nickel oil coolers. One valve wash process in which steel stampings are manually batch dipped in an aqueous alkaline cleaning solution, then rinsed with water and dipped in a rust inhibitor solution. The emission sources identified with this emission unit have been determined to be trivial activities as defined by 6NYCRR, Part 201-3.3(c)(47).

**Item 25.27:**

The facility is authorized to perform regulated processes under this permit for:

Emission Unit: W-ELD01

Emission Unit Description:

Welding of manufactured components by soldering and welding.

Building(s): BLDG07  
BLDG09

**Item 25.28:**

The facility is authorized to perform regulated processes under this permit for:

Emission Unit: W-ELD02



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**Emission Unit Description:**

Pipe assembly of headered tube condensers and welding of evaporators by automated inert gas shielded arc welders. In addition to these automated welders, WELD02 includes several manual inert gas shielded arc welders, which are considered trivial activities as per 6NYCRR, Part 201-3.3(c)(54).

Building(s): BLDG08

**Item 25.29:**

The facility is authorized to perform regulated processes under this permit for:

Emission Unit: W-WTP01

**Emission Unit Description:**

Drying lime precipitation sludge/slurry with a sludge dryer.

Building(s): WWTP

**Item 25.30:**

The facility is authorized to perform regulated processes under this permit for:

Emission Unit: W-WTP02

**Emission Unit Description:**

Fugitive emissions from clarification, equalization and filtration of wastewater. Emissions from acid cleaning dip tanks for small components of the wastewater treatment processes equipment. The emission sources identified within this emission unit have been determined to be exempt activities as defined by 6NYCRR, Part 201-3.2(c)(47).

**Condition 26: Compliance Certification**

**Effective between the dates of 05/03/2001 and 05/03/2006**

**Applicable Federal Requirement: 6NYCRR 201-6.5(c)(3)**

**Item 26.1:**

The Compliance Certification activity will be performed for the Facility.

**Item 26.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

**Monitoring Description:**

To meet the requirements of this facility permit with respect to reporting, the permittee must:

Submit reports of any required monitoring at a minimum

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frequency of every 6 months, based on a calendar year reporting schedule. These reports shall be submitted to the Department within 30 days after the end of a reporting period. All instances of deviations from permit requirements must be clearly identified in such reports. All required reports must be certified by the responsible official for this facility.

In the case of any condition contained in this permit with a reporting requirement of "Upon request by regulatory agency" the permittee shall include in the semiannual report, a statement for each such condition that the monitoring or recordkeeping was performed as required or requested and a listing of all instances of deviations from these requirements.

In the case of any emission testing performed during the previous six month reporting period, either due to a request by the Department, EPA, or a regulatory requirement, the permittee shall include in the semiannual report a summary of the testing results and shall indicate whether or not the Department or EPA has approved the results.

All semiannual reports shall be submitted to the Administrator (or his or her representative) as well as two copies to the Department (one copy to the regional air pollution control engineer (RAPCE) in the regional office and one copy to the Bureau of Compliance Monitoring and Enforcement (BCME) in the DEC central office). Mailing addresses for the above referenced persons are contained in the monitoring condition for 6 NYCRR Part 201-6.5(e), contained elsewhere in this permit.

Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR YEAR)

Reports due 30 days after every 6 calendar months (January - June, July - December)

**Condition 27: Compliance Certification**  
**Effective between the dates of 05/03/2001 and 05/03/2006**

**Applicable Federal Requirement: 6NYCRR 201-6.5(e)**

**Item 27.1:**

The Compliance Certification activity will be performed for the Facility.

**Item 27.2:**

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Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Compliance certifications shall contain the following information:

- the identification of each term or condition of the permit that is the basis of the certification;
  - the compliance status;
  - whether compliance was continuous or intermittent;
  - the method(s) used for determining the compliance status of the facility, currently and over the reporting period consistent with the monitoring and related recordkeeping and reporting requirements of this permit;
  - such other facts as the Department may require to determine the compliance status of the facility as specified in any special permit terms or conditions;
- and
- such additional requirements as may be specified elsewhere in this permit related to compliance certification.

Compliance certifications shall be submitted annually. Certification reports are due 30 days after the anniversary date of four consecutive calendar quarters. The first report is due 30 days after the calendar quarter that occurs just prior to the permit anniversary date, unless another quarter has been acceptable by the Department.

All compliance certifications shall be submitted to the Administrator (or his or her representative) as well as two copies to the Department (one copy to the regional air pollution control engineer (RAPCE) in the regional office and one copy to the Bureau of Compliance Monitoring and Enforcement (BCME) in the DEC central office). Please send annual compliance certifications to Chief of the Stationary Source Compliance Section, the Region 2 EPA representative for the Administrator, at the following address:

USEPA Region 2  
Air Compliance Branch  
290 Broadway  
New York, NY 10007-1866

The address for the RAPCE is as follows:



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270 Michigan Avenue  
Buffalo, NY 14203-2999

The address for the BCME is as follows:

NYSDEC  
Bureau of Compliance Monitoring  
and Enforcement  
50 Wolf Road  
Albany, NY 12233-3258

Reporting Requirements: ANNUALLY (CALENDAR YEAR)  
Reports due by January 30th for previous calendar year

**Condition 28: Operational Flexibility Plan**  
**Effective between the dates of 05/03/2001 and 05/03/2006**

**Applicable Federal Requirement: 6NYCRR 201-6.5(f)**

**Item 28.1:**

**Delphi Thermal Systems** is a dynamic manufacturing operation that routinely engages in activities which are vital and inherent elements of their ongoing operation. In order to remain viable, Delphi requires the ability to make changes in equipment, operations, and materials expeditiously and without triggering a permit revision. Of importance, as a major source of volatile organic compounds (VOCs), are increases in VOC emissions which exceed the de minimus values as a result of changes or modifications and which must be evaluated to determine if the requirements of 6NYCRR, Part 231-2, New Source Review in Non-Attainment Areas (NSR) are applicable. Therefore, as part of new production initiatives for which the first permit action occurred in November 1997, Delphi, as an existing major NSR source, has chosen to accept a plant-wide applicability limit (PAL). The PAL will allow Delphi to implement the addition of new sources or modification of existing sources and operations which would result in an increase in VOC emissions without requiring a netting calculation or establishing a PTE limit for each change.

**Plant-wide Applicability Limit:**

Facility wide actual emissions of VOC shall be limited to 218 tons per year. This represents the baseline established at 179 tons plus 39 tons which is less than the significant emissions threshold (40 tons) that would require an NSR applicability determination. Delphi shall maintain records of facility-wide VOC emissions based on a rolling 12-month total to demonstrate compliance with this limit. The facility shall record materials usage and VOC content on a monthly basis to establish the rolling 12-month totals.

New VOC emission sources may be added provided that emissions do not exceed the PAL and the emission source will be in compliance with all other applicable requirements such as Reasonably Available Control Technology (RACT), New Source Performance Standards (NSPS), or National Emission Standards for Hazardous Air Pollutants (NESHAP).

New VOC emission sources may be added outside of the PAL provided they are not related to activities occurring within the PAL. These sources would then, regardless of size, be subject to major NSR and

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require the application of LAER control technology and emission offsets.

No source may begin advance approved construction where the total actual emissions from any new or modified source would exceed the PAL.

This PAL is in effect for the length of this permit not to exceed a 5-year period.

Under the terms and conditions of this PAL, the following changes may be made without requiring a permit modification. Records must be maintained of the date and description of any changes, modifications to existing sources, and/or addition of new sources. The facility must **notify the Department in writing 30 days in advance** of making such changes and include emissions calculations, VOC coating content analysis, and Air Guide 1 analysis where required. **This Department may request submission of a permit modification at any time if it is deemed necessary to establish any new or additional permit conditions, require compliance with any new applicable requirements, or prevent any adverse air quality impact.**

**1. The addition of new emission sources or modifications of existing emissions sources that are designated as trivial and/or exempt provided that** the emissions from which do not trigger any new applicable requirement such as NSR, RACT, NSPS, NESHAP or exceed any emission cap or limit, the PAL or Air Guide 1 short term or long term impact value, or require the establishment of an emissions cap to avoid an applicable requirement.

**2. The addition or replacement of coatings or changes in the rate of coating application in emission unit PAINT1 provided that:**

-resulting emissions do not exceed the PAL;

-the coatings meet the 3.5#/gallon "as applied" VOC limit of 6NYCRR, Part 228;

-the emission rate potential of highly toxic air pollutants (as defined in Air Guide 1) contained in the formulation does not exceed 1 pound per hour and require the application of the Best Available Control Technology (BACT) requirements of 6NYCRR, Part 212.4 for highly toxic air pollutants;

-the emissions of highly toxic air pollutants do not exceed the Air Guide 1 annual and short term guidance values.

**3. The addition or replacement of paint spray booths or coating equipment in emission unit PAINT1 provided that:**

-resulting emissions do not exceed the PAL;

-the coatings meet the 3.5#/gallon "as applied" VOC limit of 6NYCRR, Part 228;

-the emission rate potential of highly toxic air pollutants (as defined in Air Guide 1) in the paints and coatings used does not exceed 1 pound per hour and require the application of the Best Available Control Technology (BACT) requirements of 6NYCRR, Part 212.4 for highly toxic air pollutants;

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-emissions of any highly toxic air pollutant as established in Air Guide 1 do not exceed any Air Guide 1 short term and long term thresholds;

-the appropriate particulate controls must be in place and maintained according to the established facility maintenance program for similar sources

-there is no applicable NESHAP or NSPS requirement.

**4. The addition or replacement of cutting/lubricant oils, or flux/braze/solder pastes provided that:**

-resulting emissions do not exceed the PAL;

-emissions of highly toxic air pollutants (as defined in Air Guide 1) contained in the formulation meet the Air Guide 1 annual and short term guidance values and do not exceed 1 pound per hour and thereby require the application of the Best Available Control Technology (BACT) control requirements of 6NYCRR, Part 212.4 for highly toxic air pollutants;

-the emission rate potential of VOC from each emission point does not exceed 3 pounds per hour and actual emissions in the absence of control equipment are less than 15 pounds per day unless the appropriate emission control equipment having a demonstrated overall removal efficiency including capture and control of a minimum 81% is in place prior to the start of operation. This shall be verified by weekly analysis of oil loading until such time that the Department determines this is no longer necessary and/or source testing on a representative unit at least once during the term of the permit.

**5. The addition of new production lines or modification of existing lines to include thermal degreasers, hotboxes, dry ovens, braze furnaces, cooling zones, and electrostatic fluxers provided that:**

-resulting emissions do not exceed the PAL;

-an emissions cap or variance is not required to avoid any RACT or MACT requirements;

-the emission rate potential of any non-VOC or non-HAP does not exceed 10 pounds per hour and require the BACT control requirements of 6NYCRR, Part 212.4;

-the emission rate potential of VOC from each emission point does not exceed 3 pounds per hour and actual emissions in the absence of control equipment are less than 15 pounds per day unless the appropriate emission control equipment having a demonstrated overall removal efficiency including capture and control of a minimum 81% is in place prior to the start of operation. This shall be verified by weekly analysis of oil loading until such time that the Department determines this is no longer necessary and/or source testing on a representative unit at least once during the term of the permit;

-the emission rate potential of any highly toxic air pollutants (as defined in Air Guide 1) meet the Air Guide 1 annual and short term guidance values and does not exceed 1 pound per hour and require the application of the Best Available Control Technology (BACT) requirements of 6NYCRR, Part 212.4 for highly toxic air pollutants;

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-particulate emissions do not exceed the .05 gr/dscf limitation of 6NYCRR, Part 212.4(c).

**6. The relocation of existing equipment provided that the changes:**

-do not trigger any new applicable requirement or cause emissions to exceed any emission limitation contained in regulations or any emission cap or PAL defined in this Title V permit;

-do not alter any existing air cleaning installations unless there is a replacement with equipment having equal or greater control efficiency.

**7. Changes in product mix, line rates, hours of operation do not require a permit modification provided that:**

-resulting emissions do not exceed the PAL;

-the emission rate potential of VOC from each emission point does not exceed 3 pounds per hour and actual emissions in the absence of control equipment are less than 15 pounds per day unless the appropriate emission control equipment having a demonstrated overall removal efficiency including capture and control of a minimum 81% is in place prior to the start of operation. operation. This shall be verified by weekly analysis of oil loading until such time that the Department determines this is no longer necessary and/or source testing on a representative unit at least once during the term of the permit.;

-the emission rate potential of highly toxic air pollutants (as defined in Air Guide 1) does not exceed 1 pound per hour and require the application of the Best Available Control Technology (BACT) requirements of 6NYCRR, Part 212.4 for highly toxic air pollutants;

-emissions do not exceed any Air Guide 1 short term and long term threshold;

-an emissions cap is not required to avoid any applicable requirement.

**8. Changes in parts cleaning technology or detergents provided that:**

-resulting emissions do not exceed the PAL;

-this does not include halogenated solvent degreasing technology which would require the application of the NESHAP for solvent degreasers;

-the emission rate potential of VOC does not exceed 3 pounds per hour and actual emissions in the absence of control equipment are less than 15 pounds per day unless the appropriate emission control equipment having a demonstrated overall removal efficiency including capture and control of a minimum 81% is in place prior to the start of operation operation. This shall be verified by weekly analysis of oil loading until such time that the Department determines this is no longer necessary and/or source testing on a representative unit at least once during the term of the permit.;

-the changes meet the equipment and operating requirements of 6NYCRR, Part 226 if applicable.



**Condition 29: Non Applicable requirements**  
**Effective between the dates of 05/03/2001 and 05/03/2006**

**Applicable Federal Requirement: 6NYCRR 201-6.5(g)**

**Item 29.1:**

This section contains a summary of those requirements that have been specifically identified as being not applicable to this facility and/or emission units, emission points, processes and/or emission sources within this facility. The summary also includes a justification for classifying any such requirements as non-applicable.

6NYCRR 212.10(c)(1)

Emission Unit: SOLDR1

Reason: The flux used on the three solder lines venting to the four emission points, S1091, S1092, S1057, and S1058 described by this emission unit results in emissions of volatile organic compounds at an emission rate potential less than the 3 pounds per hour required for a RACT analysis.

6NYCRR 212.10(c)(1)

Emission Unit: INDBR2

Reason: Emission points X89-1 and WR413, induction brazing having actual volatile organic compounds (VOC) emissions less than 3 pounds per hour are not subject to the Reasonably Available Control Technology (RACT) requirements of 212.10. In addition, the processes with which they are associated are designated as activities with insignificant emissions because their potential VOC emissions are less than 2.5 tons per year.

6NYCRR 212.10(c)(1)

Emission Unit: 0CAB02

Reason: The flux drying ovens, emission points DD552, DD633, N89-2, N97-11 and WR492, having emission rate potential (ERP) of volatile organic compounds (VOC) less than 3 pounds per hour are not required to employ reasonably available control technology. The flux drying ovens identified as emission points Q19-1 and L7-04, do not process materials using fluxes which emit VOC.

6NYCRR 212.10(f)

Emission Unit: INDBR1

Reason: Emission points N77-3, induction brazing of evaporators, and E89-6, induction brazing of headered tube condensers

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each having actual volatile organic compounds (VOC) emissions less than 3 pounds per hour and 15 pounds per day are not subject to the Reasonably Available Control Technology (RACT) requirements of 212.10. In addition, the processes with which they are associated are designated as activities with insignificant emissions because their potential VOC emissions are less than 2.5 tons per year.

6NYCRR 212.10(f)

Emission Unit: 0COAT1

Reason: Emission points S81-7 and N81-7 represent the wash/chromate conversion coating system described by this emission unit. The cleaner contains no volatile organic compounds (VOC) or hazardous air pollutants (HAP's) and is a trivial activity as per 6NYCRR, Part 201-3.3(c)(50), for equipment using water-based cleaners. If cleaners using VOCs are to be considered, they must be evaluated for applicability to the RACT requirements of 6NYCRR, Part 212.10.

6NYCRR 212.10(f)

Emission Unit: THERM1

Reason: Installation of EFD MicroCoater feed lube oil application systems on the hot boxes used for aluminum condenser centers has resulted in increased application efficiency and therefore a reduction in oil usage and emissions. Analysis of the air centers and material balance calculations conducted over a six month period has shown that emissions of volatile organic compounds (VOC) from each emission point associated with the oven and cooling section of Hot Box Thermal Degreasers #1, #2, #3, and #4 are less than 3 lbs/hour and 15 lbs/day. Therefore, the RACT requirements of this Subpart are not applicable to the four thermal degreasers identified within this emission unit.

6NYCRR 212.10(f)

Emission Unit: WELD01 Process: WD1

Reason: The emission rate potential of NOx emissions has been evaluated and determined to be less than the 3 pound per hour and 15 pound per day required for a RACT analysis.

6NYCRR 212.10(f)

Emission Unit: VBRAZ1

Reason: Emission points associated with this emission unit each having actual volatile organic compounds (VOC) emissions less than 3 pounds per hour and 15 pounds per day are not

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subject to the Reasonably Available Control Technology (RACT) requirements of 212.10. In addition, the processes with which they are associated are designated as activities with insignificant emissions because their potential VOC emissions are less than 2.5 tons per year.

6NYCRR 212.10(f)

Emission Unit: THERM2

Reason: The emission rate potential of VOC emissions from the #5 and #6 Hot Box thermal degreasing of aluminum condenser centers has been evaluated through mass balance for each associated emission point. The emissions as discharged through individual stacks from the oven section and the cooling section have been determined to be below 3 pounds per hour and actual emissions less than 15 pounds per day. A RACT analysis is not required for these emission points.

6NYCRR 231-2.2

Emission Unit: 0CAB04

Reason: The project emission potential for the thermal degreaser identified in this emission unit and in CAB06 (determined to be one source project) is less than the significant source project threshold of 40 tons per year and therefore, not subject to the NSR requirements of 6NYCRR, Part 231-2, New Source Review in Non-Attainment Areas. Efficiency of the thermal degreasers is established by similar source testing at 91% and must be maintained by a minimum temperature of 750 degrees C.

6NYCRR 231-2.2

Emission Unit: 0CAB06

Reason: The project emission potential for the thermal degreaser identified in this emission unit and in CAB04(determined to be one source project) is less than the significant source project threshold of 40 tons per year and therefore, not subject to the NSR requirements of 6NYCRR, Part 231-2, New Source Review in Non-Attainment Areas. Efficiency of the thermal degreasers is established by similar source testing at 91% and must be maintained by a minimum temperature of 750 degrees C.

6NYCRR 231-2.2

Emission Unit: THERM1

Reason: The first four thermal degreasers (Hot Boxes) identified in emission unit THERM1 were installed during mid-1998. The installation of Hot Box #5 occurred in November 1999 and Hot Box #6 will be installed in March of 2001. It has

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been determined that all six shall be evaluated as part of one source project.

The project emission potential of VOC emitted from Hot Boxes #5 and #6 have been evaluated in conjunction with the emissions from Hot Boxes #1 thru #4 described in emission unit THERM1. The total potential VOC of 28.6 tons from all six hot boxes was calculated based on mass balance analysis of oil application on heater cores prior to and after thermal degreasing. The potential emitted is less than the Significant Source Project Threshold of 40 tons and therefore the New Source Review requirements of 6NYCRR, Part 231-2 are not subject to this project.

**6NYCRR 231-2.2**

**Emission Unit: THERM2**

**Reason:** The first four thermal degreasers (Hot Boxes) identified in emission unit THERM1 were installed during mid-1998. The installation of Hot Box #5 occurred in November 1999 and Hot Box #6 will be installed in March of 2001. It has been determined that all six shall be evaluated as part of one source project.

The project emission potential of VOC emitted from Hot Boxes #5 and #6 have been evaluated in conjunction with the emissions from Hot Boxes #1 thru #4 described in emission unit THERM1. The total potential VOC of 28.6 tons from all six hot boxes was calculated based on mass balance analysis of oil application on heater cores prior to and after thermal degreasing. The potential emitted is less than the Significant Source Project Threshold of 40 tons and therefore the New Source Review requirements of 6NYCRR, Part 231-2 are not subject to this project.

**40CFR 63-N.340(c)**

**Emission Unit: OCOAT1**

**Reason:** The National Emission Standards for Hazardous Air Pollutants, 40 CFR Part 63 Subpart N for Hard and Decorative Chrome Electroplating, does not apply to the chromate conversion coating process described in this emission unit.

**Condition 30: Required emissions tests**  
**Effective between the dates of 05/03/2001 and 05/03/2006**

**Applicable Federal Requirement: 6NYCRR 202-1.1**



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**Item 30.1:**

An acceptable report of measured emissions shall be submitted, as may be required by the commissioner, to ascertain compliance or noncompliance with any air pollution code, rule, or regulation. Failure to submit a report acceptable to the commissioner within the time stated shall be sufficient reason for the commissioner to suspend or deny an operating permit. Notification and acceptable procedures are specified in 6NYCRR Part 202-1.

**Condition 31: Compliance Certification**

**Effective between the dates of 05/03/2001 and 05/03/2006**

**Applicable Federal Requirement: 6NYCRR 202-2.1**

**Item 31.1:**

The Compliance Certification activity will be performed for the Facility.

**Item 31.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Emission statements shall be submitted on or before April 15th each year for emissions of the previous calendar year.

Monitoring Frequency: ANNUALLY

Reporting Requirements: ANNUALLY (CALENDAR YEAR)

Reports due by April 15th for previous calendar year

**Condition 32: Recordkeeping requirements**

**Effective between the dates of 05/03/2001 and 05/03/2006**

**Applicable Federal Requirement: 6NYCRR 202-2.5**

**Item 32.1:**

(a) The following records shall be maintained for at least five years:

- (1) a copy of each emission statement submitted to the department; and
- (2) records indicating how the information submitted in the emission statement was determined, including any calculations, data, measurements, and estimates used.

(b) These records shall be made available at the facility to the representatives of the department upon request during normal business hours.

**Condition 33: Visible emissions limited.**

**Effective between the dates of 05/03/2001 and 05/03/2006**

**Applicable Federal Requirement: 6NYCRR 211.3**

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**Item 33.1:**

Except as permitted by a specific part of this Subchapter and for open fires for which a restricted burning permit has been issued, no person shall cause or allow any air contamination source to emit any material having an opacity equal to or greater than 20 percent (six minute average) except for one continuous six-minute period per hour of not more than 57 percent opacity.

**Condition 34: Compliance Certification**

**Effective between the dates of 05/03/2001 and 05/03/2006**

**Applicable Federal Requirement: 6NYCRR 212.6(a)**

**Item 34.1:**

The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant:

CAS No: 0NY075-00-0

Name: PARTICULATES

**Item 34.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

With the exception of the boilers and surface coating operations, all process sources are subject to the opacity limits of Part 212.6(a) which states that "No person shall cause or allow emissions having an average opacity during any six consecutive minutes of 20 percent or greater from any process emission source, except only the emission of uncombined water". Delphi shall comply with this requirement by maintaining process equipment associated with each emission point and responding to any malfunctions immediately. This Department reserves the right to require that Delphi perform Method 9 opacity observations at any time.

Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR YEAR)

Reports due 30 days after every 6 calendar months (January - June, July - December)

**Condition 35: Open Fires Prohibited at Industrial and Commercial Sites**

**Effective between the dates of 05/03/2001 and 05/03/2006**

**Applicable Federal Requirement: 6NYCRR 215.**

**Item 35.1:**



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No person shall burn, cause, suffer, allow or permit the burning in an open fire of garbage, rubbish for salvage, or rubbish generated by industrial or commercial activities.

**Condition 36: Compliance Certification**

**Effective between the dates of 05/03/2001 and 05/03/2006**

**Applicable Federal Requirement: 6NYCRR 225-1.2(a)(2)**

**Item 36.1:**

The Compliance Certification activity will be performed for the Facility.

**Item 36.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

No person will sell, offer for sale, purchase or use any distillate oil fuel which contains sulfur in a quantity exceeding the following limitation.

Work Practice Type: PARAMETER OF PROCESS MATERIAL

Process Material: DISTILLATES - NUMBER 1 AND NUMBER 2 OIL

Parameter Monitored: SULFUR CONTENT

Upper Limit of Monitoring: 1.5 percent by weight

Monitoring Frequency: PER DELIVERY

Averaging Method: MAXIMUM - NOT TO BE EXCEEDED AT ANY TIME (INSTANTANEOUS/DISCRETE OR GRAB)

Reporting Requirements: SEMI-ANNUALLY (CALENDAR YEAR)

Reports due 30 days after every 6 calendar months (January - June, July - December)

**Condition 37: Compliance Certification**

**Effective between the dates of 05/03/2001 and 05/03/2006**

**Applicable Federal Requirement: 6NYCRR 225-1.8**

**Item 37.1:**

The Compliance Certification activity will be performed for the Facility.

**Item 37.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Upon request the owner or operator of a facility which purchases and fires coal or oil shall submit reports to the commissioner containing a fuel analysis, information on the quantity of the fuel received, burned, and results



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of any stack sampling, stack monitoring and any other procedures to ensure compliance with the provisions of 6 NYCRR Part 225-1. All records shall be available for a minimum of three years.

Reporting Requirements: SEMI-ANNUALLY (CALENDAR YEAR)

Reports due 30 days after every 6 calendar months (January - June, July - December)

**Condition 38: General requirements**

**Effective between the dates of 05/03/2001 and 05/03/2006**

**Applicable Federal Requirement: 6NYCRR 226.2**

**Item 38.1:**

No person shall conduct solvent metal cleaning unless:

- (1) Solvent is stored in covered containers and waste solvent is transferred or disposed of in such a manner that less than 20 percent of the waste solvent, by weight, can evaporate into the atmosphere;
- (2) Equipment used in solvent metal cleaning is maintained to minimize leaks and fugitive emissions;
- (3) Equipment used in solvent metal cleaning displays a conspicuous summary of proper operating procedures consistent with minimizing emissions of volatile organic compounds; and
- (4) Equipment covers are closed when the solvent metal cleaning unit is not in service.
- (5) A record of solvent consumption shall be maintained for each year and made available to the commissioner or his representative upon request.

**Condition 39: Facility Permissible Emissions**

**Effective between the dates of 05/03/2001 and 05/03/2006**

**Applicable Federal Requirement: 6NYCRR 227-2.3**

**Item 39.1:**

The sum of emissions from the emission units specified in this permit shall not exceed the following Potential To Emit (PTE) rate for each regulated contaminant:

CAS No: 0NY210-00-0

PTE: 199,800 pounds per year

Name: OXIDES OF NITROGEN

**Condition 40: Compliance Certification**

**Effective between the dates of 05/03/2001 and 05/03/2006**

**Applicable Federal Requirement: 6NYCRR 227-2.3**

**Item 40.1:**

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The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant:

CAS No: 0NY210-00-0

Name: OXIDES OF NITROGEN

**Item 40.2:**

Compliance Certification shall include the following monitoring:

Capping: Yes

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Facility-wide emissions of nitrogen oxides (NO<sub>x</sub>) are limited to less than 100 tons per year to avoid the NO<sub>x</sub> RACT(Reasonably Available Control Technology) requirements of 6NYCRR, Part 231-2. Monthly fuel use records and AP-42 emission factors are to be used to calculate emissions on a 12-month rolling average as follows:

1. AP-42 Emission factors for the two 57 mmbtu natural gas/ # 2 fuel oil stationary combustion units which exhaust to emission point D79-1:

Natural Gas Usage: 100 pounds of NO<sub>x</sub> per million standard cubic foot gas burned

Number 2 Fuel Oil: 55 pounds of NO<sub>x</sub> per thousand gallons of fuel oil burned

2. AP-42 Emission factors for the emergency generators using diesel fuel:

4.41 lb/MMBtu (fuel input) or 0.031 lb/hp-hr (power output)

3. NO<sub>x</sub> emissions are to be calculated from all exempt and trivial combustion sources. AP-42 emission factors may be used for combustion sources less than 20 MMBtu/hr heat input:

Natural Gas Usage: 100 pounds of NO<sub>x</sub> per million standard cubic fot gas burned

4. Facility-wide NO<sub>x</sub> emissions from all process sources-ovens, thermal degreasers, and hotboxes shall be

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calculated.

Records are to be maintained on a on a monthly basis which document that facility NOx emissions have remained less than 100 tons for the preceding twelve consecutive month period.

In accordance with 6NYCRR, Part 227-2.3(a)(2), Delphi shall notify this Department if NOx emissions exceed the 100 ton limit.

These records are to be retained for a period of five years in a format easily verifiable and made accessible to Department representatives on request during normal business hours.

Monitoring Frequency: MONTHLY

Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR YEAR)

Reports due 30 days after every 6 calendar months (January - June, July - December)

**Condition 41: Once in, always in**  
**Effective between the dates of 05/03/2001 and 05/03/2006**

**Applicable Federal Requirement: 6NYCRR 228.1(g)**

**Item 41.1:**

Any coating line subject to the provisions of this Part, will remain subject to these provisions even if the facility annual potential to emit VOC later falls below applicability criteria.

**Condition 42: Compliance Certification**  
**Effective between the dates of 05/03/2001 and 05/03/2006**

**Applicable Federal Requirement: 6NYCRR 228.1(h)**

**Item 42.1:**

The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant:

CAS No: 0NY998-00-0

Name: VOC

**Item 42.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES



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**Monitoring Description:**

6NYCRR Part 228 does not apply to low-use specialty coatings where the plantwide total annual usage is equal or less than 55 gallons, provided that:

1. each specialty coating must be approved by the commissioner's representative prior to application;
2. records must be maintained on an as used basis in a format acceptable to the commissioner that documents actual usage;
3. the annual potential to emit from low-use specialty coatings does not exceed five percent of the facility's total annual potential to emit;
4. the facility's permits are modified to identify any coating(s) approved by the commissioner's representative which are exempt from 6NYCRR Part 228.

**Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION**

**Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY**

**Reporting Requirements: SEMI-ANNUALLY (CALENDAR YEAR)**

**Reports due 30 days after every 6 calendar months (January - June, July - December)**

**Condition 43: Compliance Certification**  
**Effective between the dates of 05/03/2001 and 05/03/2006**

**Applicable Federal Requirement: 6NYCRR 228.5(a)**

**Item 43.1:**

The Compliance Certification activity will be performed for the Facility.

**Item 43.2:**

Compliance Certification shall include the following monitoring:

**Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES**

**Monitoring Description:**

Certification from the coating supplier/manufacturer which verifies the parameters used to determine the actual VOC content of the as applied coating, for each coating used at the facility, must be maintained and, upon request, be provided to the department representative. In addition, purchase, usage and/or production records of the coating material, including solvents, must be maintained and, upon request, be submitted to the department. Records must be maintained at the facility for a period of five years.

**Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION**



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Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 44: Handling, storage, and disposal of volatile organic compounds**  
**Effective between the dates of 05/03/2001 and 05/03/2006**

**Applicable Federal Requirement: 6NYCRR 228.10**

**Item 44.1:**

No owner or operator of a facility subject to 6NYCRR Part 228 shall:

- (a) use open containers to store or dispose of cloth or paper impregnated with VOC and/or solvents that are used for surface preparation, cleanup, or coating removal;
- (b) store in open containers spent or fresh VOC and/or solvents to be used for surface preparation, cleanup, or coating removal;
- (c) use VOC and/or solvents to cleanup spray equipment unless equipment is used to collect the cleaning compounds and to minimize their evaporation to the atmosphere;
- (d) use open containers to store or dispense surface coatings and/or inks unless production, sampling, maintenance, or inspection procedures require operational access. This provision does not apply to the actual device or equipment designed for the purpose of applying a coating material to a substrate; or
- (e) use open containers to store or dispose of spent surface coatings, spent VOCs and/or solvents.

**Condition 45: Compliance Certification**  
**Effective between the dates of 05/03/2001 and 05/03/2006**

**Applicable Federal Requirement: 6NYCRR 230.5**

**Item 45.1:**

The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant:

CAS No: 0NY998-00-0

Name: VOC

**Item 45.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: MONITORING OF PROCESS OR CONTROL  
DEVICE PARAMETERS AS SURROGATE

Monitoring Description:

The owner and/or operator of any gasoline dispensing site must maintain records showing the sum of all gasoline deliveries during the previous 12 consecutive months. This rolling total will be used to determine if the annual throughput exceeds 120,000 gallons thereby making the site subject to the requirements of Part 230.2. The appropriate Stage I and Stage II vapor collection systems must be in place prior to any site exceeding the 120,000

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gallons in annual throughput.

Once a gasoline dispensing site becomes subject to the requirements of Part 230.2 because its annual gasoline thrupt exceeds the applicability threshold, subsequent decreases in gasoline thrupt do not excuse a source owner from having to maintain the effectiveness of the Stage I and/or stage II equipment.

Records must be maintained at the site for a period of five years and be made available to Department representatives on request during normal business hours.

Parameter Monitored: GASOLINE

Upper Limit of Monitoring: 120000 gallons per year

Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION

Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR YEAR)

Reports due 30 days after every 6 calendar months (January - June, July - December)

**Condition 46: Compliance Certification**  
**Effective between the dates of 05/03/2001 and 05/03/2006**

**Applicable Federal Requirement: 6NYCRR 231-2.6**

**Item 46.1:**

The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant:

CAS No: 0NY998-00-0

Name: VOC

**Item 46.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Emission reduction credits were established on November 12, 1996 for volatile organic compounds in the amounts of 60.1 tons for netting use and 43.8 tons for emission offsets. With the acceptance of the plantwide applicability limit only the 43.8 tons of offsets will be available for use. Delphi Thermal Systems is prohibited from reconstructing and/or reactivating the vapor degreasers identified as emission points 0E852 and C59-5 and surface coating operations identified as emission points 0C3-1 and 0G3-5.



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Monitoring Frequency: AS REQUIRED - SEE MONITORING  
DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR YEAR)

Reports due 30 days after every 6 calendar months (January - June, July - December)

**Condition 47: Standards for labeling of products using ozone-depleting substances**

**Effective between the dates of 05/03/2001 and 05/03/2006**

**Applicable Federal Requirement: 40CFR 82, Subpart E**

**Item 47.1:**

The permittee shall comply with the standards for labeling of products using ozone-depleting substances pursuant to 40 CFR Part 82, Subpart E:

- a. All containers containing a class I or class II substance that is stored or transported, all products containing a class I substance, and all products directly manufactured with a class I substance must bear the required warning statement if it is being introduced into interstate commerce pursuant to 40 CFR Part 82.106.
- b. The placement of the required warning statement must comply with the requirements pursuant to 40 CFR Part 82.108.
- c. The form of the label bearing the required warning statement must comply with the requirements pursuant to 40 CFR Part 82.110.
- d. No person may modify, remove, or interfere with the required warning statement except as described in 40 CFR Part 82.112.

**Condition 48: Recycling and Emissions Reduction**

**Effective between the dates of 05/03/2001 and 05/03/2006**

**Applicable Federal Requirement: 40CFR 82, Subpart F**

**Item 48.1:**

The permittee shall comply with the standards for recycling and emissions reduction pursuant to 40 CFR Part 82, Subpart F, except as provided for MVAC's in Subpart B:

- a. Persons opening appliances for maintenance, service, repair, or disposal must comply with the required practices pursuant to 40 CFR Part 82.156.
- b. Equipment used during the maintenance, service, repair, or disposal of appliances must comply with the standards for recycling and recovery equipment pursuant to 40 CFR Part 82.158.
- c. Persons performing maintenance, service, repair, or disposal of appliances must be certified by an approved technician certification program pursuant to 40 CFR Part 82.161.



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d. Persons disposing of small appliances, MVAC's, and MVAC-like appliances must comply with recordkeeping requirements pursuant to 40 CFR Part 82.166. ("MVAC-like appliance as defined at 40 CFR Part 82.152)

e. Persons owning commercial or industrial process refrigeration equipment must comply with the leak repair requirements pursuant to 40 CFR Part 82.156.

f. Owners/operators of appliances normally containing 50 or more pounds of refrigerant must keep records of refrigerant purchased and added to such appliances pursuant to 40 CFR Part 82.166.

**\*\*\*\* Emission Unit Level \*\*\*\***

**Condition 49: Emission Point Definition By Emission Unit  
Effective between the dates of 05/03/2001 and 05/03/2006**

**Applicable Federal Requirement: 6NYCRR 201-6.**

**Item 49.1:**

The following emission points are included in this permit for the cited Emission Unit:

Emission Unit:	0-CAB01		
Emission Point:	0G307		
Height (ft.):	45	Diameter (in.):	8
			Building: BLDG07
Emission Point:	0G357		
Height (ft.):	36	Diameter (in.):	10
			Building: BLDG07
Emission Point:	0J896		
Height (ft.):	36	Diameter (in.):	8
			Building: BLDG08
Emission Point:	0J978		
Height (ft.):	36	Diameter (in.):	8
			Building: BLDG08
Emission Point:	0L193		
Height (ft.):	46	Diameter (in.):	8
			Building: BLDG07
Emission Point:	0L352		
Height (ft.):	40	Diameter (in.):	10
			Building: BLDG07
Emission Point:	0L353		



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Height (ft.): 44	Diameter (in.): 12	Building: BLDG07
Emission Point: 0L434 Height (ft.): 37	Diameter (in.): 8	Building: BLDG07
Emission Point: 0L702 Height (ft.): 46	Diameter (in.): 8	Building: BLDG07
Emission Point: 0Q393 Height (ft.): 43	Diameter (in.): 8	Building: BLDG07
Emission Point: 0Q432 Height (ft.): 37	Diameter (in.): 8	Building: BLDG07
Emission Point: 0Z557 Height (ft.): 32	Diameter (in.): 3	Building: BLDG07
Emission Point: 0Z631 Height (ft.): 40	Diameter (in.): 8	Building: BLDG07
Emission Point: DD551 Height (ft.): 34 NYTMN (km.): 4785.22	Diameter (in.): 10 NYTME (km.): 195.929	Building: BLDG09
Emission Point: DD552 Height (ft.): 34 NYTMN (km.): 4785.22	Diameter (in.): 14 NYTME (km.): 195.929	Building: BLDG07
Emission Point: DD632 Height (ft.): 40 NYTMN (km.): 4785.22	Diameter (in.): 7 NYTME (km.): 195.929	Building: BLDG07
Emission Point: WR491 Height (ft.): 38 NYTMN (km.): 4785.22	Diameter (in.): 10 NYTME (km.): 195.929	Building: BLDG10
Emission Point: WR493 Height (ft.): 38 NYTMN (km.): 4785.22	Diameter (in.): 8 NYTME (km.): 195.929	Building: BLDG10

**Item 49.2:**



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The following emission points are included in this permit for the cited Emission Unit:

Emission Unit:	0-CAB02		
Emission Point:	0L704		
Height (ft.):	43	Diameter (in.):	12
			Building: BLDG07
Emission Point:	0N892		
Height (ft.):	36	Diameter (in.):	12
			Building: BLDG08
Emission Point:	0Q191		
Height (ft.):	43	Diameter (in.):	12
			Building: BLDG07
Emission Point:	DD633		
Height (ft.):	44	Diameter (in.):	16
NYTMN (km.):	4785.22	NYTME (km.):	195.929
			Building: BLDG07
Emission Point:	N9711		
Height (ft.):	36	Diameter (in.):	12
NYTMN (km.):	4785.22	NYTME (km.):	195.929
			Building: BLDG08
Emission Point:	WR492		
Height (ft.):	41	Diameter (in.):	14
NYTMN (km.):	4785.22	NYTME (km.):	195.929
			Building: BLDG10

**Item 49.3:**

The following emission points are included in this permit for the cited Emission Unit:

Emission Unit:	0-CAB03		
Emission Point:	0G306		
Height (ft.):	41	Diameter (in.):	36
			Building: BLDG07
Emission Point:	0G359		
Height (ft.):	36	Diameter (in.):	21
			Building: BLDG07
Emission Point:	0G433		
Height (ft.):	36	Diameter (in.):	24
			Building: BLDG07
Emission Point:	0J897		
Height (ft.):	36	Diameter (in.):	36
			Building: BLDG08



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Emission Point: 0J979 Height (ft.): 36	Diameter (in.): 36	Building: BLDG08
Emission Point: 0L194 Height (ft.): 41	Diameter (in.): 36	Building: BLDG07
Emission Point: 0Z556 Height (ft.): 36	Diameter (in.): 24	Building: BLDG07
Emission Point: 0Z632 Height (ft.): 36	Diameter (in.): 38	Building: BLDG07
Emission Point: WR412 Height (ft.): 38 NYTMN (km.): 4785.22	Diameter (in.): 40 NYTME (km.): 195.929	Building: BLDG10

**Item 49.4:**

The following emission points are included in this permit for the cited Emission Unit:

s20 Emission Unit: 0-CAB04		
Emission Point: G31-1 Height (ft.): 31	Diameter (in.): 30	Building: BLDG07
Emission Point: G31-2 Height (ft.): 31	Diameter (in.): 30	Building: BLDG07
Emission Point: L31-1 Height (ft.): 31	Diameter (in.): 7	Building: BLDG07
Emission Point: L31-2 Height (ft.): 31	Diameter (in.): 16	Building: BLDG07

**Item 49.5:**

The following emission points are included in this permit for the cited Emission Unit:

Emission Unit: 0-CAB05
Emission Point: WD491



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Height (ft.): 36

Diameter (in.): 8

Building: BLDG10

Emission Point: WD492

Height (ft.): 36

Diameter (in.): 8

Building: BLDG10

**Item 49.6:**

The following emission points are included in this permit for the cited Emission Unit:

Emission Unit: 0-CAB06

Emission Point: G3103

Height (ft.): 31

Diameter (in.): 30

Building: BLDG07

Emission Point: G3104

Height (ft.): 31

Diameter (in.): 30

Building: BLDG07

Emission Point: L3103

Height (ft.): 31

Diameter (in.): 7

Building: BLDG07

Emission Point: L3104

Height (ft.): 31

Diameter (in.): 28

Building: BLDG07

**Item 49.7:**

The following emission points are included in this permit for the cited Emission Unit:

Emission Unit: 0-COAT1

Emission Point: 0N817

Height (ft.): 44

Diameter (in.): 16

Building: BLDG08

Emission Point: 0S817

Height (ft.): 44

Diameter (in.): 24

Building: BLDG08

**Item 49.8:**

The following emission points are included in this permit for the cited Emission Unit:

Emission Unit: A-DHES1

Emission Point: 0L911

Height (ft.): 36

Diameter (in.): 20



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Building: BLDG09

Emission Point: 0L991  
Height (ft.): 43

Diameter (in.): 14

Building: BLDG09

Emission Point: 0V871  
Height (ft.): 43

Diameter (in.): 14

Building: BLDG09

Emission Point: 0Z911  
Height (ft.): 43

Diameter (in.): 14

Building: BLDG09

Emission Point: 0Z951  
Height (ft.): 43  
NYTMN (km.): 4785.22

Diameter (in.): 14  
NYTME (km.): 195.929

Building: BLDG09

Emission Point: DD914  
Height (ft.): 40

Diameter (in.): 8

Building: BLDG09

Emission Point: L1071  
Height (ft.): 44

Diameter (in.): 16

Building: BLDG09

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Emission Point: V1031  
Height (ft.): 43

Diameter (in.): 16

Building: BLDG09

Emission Point: V1072  
Height (ft.): 43

Diameter (in.): 14

Building: BLDG09

Emission Point: V1111  
Height (ft.): 38  
NYTMN (km.): 4785.22

Diameter (in.): 16  
NYTME (km.): 195.929

Building: BLDG09

Emission Point: V1112  
Height (ft.): 43

Diameter (in.): 14

Building: BLDG09

**Item 49.9:**

The following emission points are included in this permit for the cited Emission Unit:

Emission Unit: B-OILR1



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Emission Point: 0D791

Height (ft.): 48

Diameter (in.): 60

Building: BLDG09

**Item 49.10:**

The following emission points are included in this permit for the cited Emission Unit:

Emission Unit: I-NDBR1

Emission Point: 0E896

Height (ft.): 43

Diameter (in.): 13

Building: BLDG08

Emission Point: 0N773

Height (ft.): 40

Diameter (in.): 18

Building: BLDG08

**Item 49.11:**

The following emission points are included in this permit for the cited Emission Unit:

Emission Unit: I-NDBR2

Emission Point: 0X891

Height (ft.): 44

Diameter (in.): 18

Building: BLDG08

Emission Point: BB771

Height (ft.): 45

Diameter (in.): 19

NYTMN (km.): 4785.22 NYTME (km.): 195.929 Building: BLDG08

Emission Point: WR411

Height (ft.): 36

Length (in.): 29

Width (in.): 21

NYTMN (km.): 4785.22 NYTME (km.): 195.929 Building: BLDG10

Emission Point: WR413

Height (ft.): 36

Diameter (in.): 14

NYTMN (km.): 4785.22 NYTME (km.): 195.929 Building: BLDG10

**Item 49.12:**

The following emission points are included in this permit for the cited Emission Unit:

Emission Unit: I-NDBR3

Emission Point: X93-6

Height (ft.): 45

Diameter (in.): 40

Building: BLDG08

Emission Point: X93-7

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Height (ft.): 45

Diameter (in.): 40

Building: BLDG08

**Item 49.13:**

The following emission points are included in this permit for the cited Emission Unit:

Emission Unit: P-AINT1

Emission Point: 0E893

Height (ft.): 44

Diameter (in.): 18

Building: BLDG08

Emission Point: 0E973

Height (ft.): 44

Diameter (in.): 18

Building: BLDG08

Emission Point: E1132

Height (ft.): 38

Diameter (in.): 22

NYTMN (km.): 4785.22 NYTME (km.): 195.929 Building: BLDG08

Emission Point: WY451

Height (ft.): 47

Diameter (in.): 12

NYTMN (km.): 4785.22 NYTME (km.): 195.929 Building: BLDG10

**Item 49.14:**

The following emission points are included in this permit for the cited Emission Unit:

Emission Unit: P-AINT2

Emission Point: 0E894

Height (ft.): 44

Diameter (in.): 8

Building: BLDG08

Emission Point: 0E895

Height (ft.): 44

Diameter (in.): 10

Building: BLDG08

Emission Point: 0E974

Height (ft.): 44

Diameter (in.): 8

Building: BLDG08

Emission Point: 0E976

Height (ft.): 44

Diameter (in.): 10

Building: BLDG08

Emission Point: E1098

Height (ft.): 44

Diameter (in.): 16

Building: BLDG08

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Emission Point: J1011  
Height (ft.): 61 Diameter (in.): 27  
NYTMN (km.): 4785.22 NYTME (km.): 195.929 Building: BLDG08

Emission Point: WY452  
Height (ft.): 42 Diameter (in.): 18  
NYTMN (km.): 4785.22 NYTME (km.): 195.929 Building: BLDG10

**Item 49.15:**

The following emission points are included in this permit for the cited Emission Unit:

Emission Unit: P-APER1

Emission Point: 00101  
Height (ft.): 59 Diameter (in.): 47  
Building: BLDG10

**Item 49.16:**

The following emission points are included in this permit for the cited Emission Unit:

Emission Unit: R-STPT2

Emission Point: ORR73  
Height (ft.): 47 Diameter (in.): 12  
NYTMN (km.): 4785.22 NYTME (km.): 195.929 Building: BLDG07

Emission Point: ORR74  
Height (ft.): 45 Diameter (in.): 15  
NYTMN (km.): 4785.22 NYTME (km.): 195.929 Building: BLDG07

Emission Point: ORR75  
Height (ft.): 57 Length (in.): 23 Width (in.): 23  
NYTMN (km.): 4785.22 NYTME (km.): 195.929 Building: BLDG07

Emission Point: ORR76  
Height (ft.): 57 Length (in.): 23 Width (in.): 23  
NYTMN (km.): 4785.22 NYTME (km.): 195.929 Building: BLDG07

Emission Point: ORR77  
Height (ft.): 67 Length (in.): 12 Width (in.): 12  
NYTMN (km.): 4785.22 NYTME (km.): 195.929 Building: BLDG07

Emission Point: RR151  
Height (ft.): 67 Length (in.): 29 Width (in.): 24  
NYTMN (km.): 4785.22 NYTME (km.): 195.929 Building: BLDG07

Emission Point: RR152



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Height (ft.): 67                      Length (in.): 29                      Width (in.): 24  
NYTMN (km.): 4785.22    NYTME (km.): 195.929    Building: BLDG07

Emission Point: RR153

Height (ft.): 67                      Length (in.): 29                      Width (in.): 24  
NYTMN (km.): 4785.22    NYTME (km.): 195.929    Building: BLDG07

**Item 49.17:**

The following emission points are included in this permit for the cited Emission Unit:

Emission Unit: S-OLDR1

Emission Point: S1057

Height (ft.): 42                      Diameter (in.): 16  
NYTMN (km.): 4785.22    NYTME (km.): 195.929    Building: BLDG08

Emission Point: S1058

Height (ft.): 49                      Diameter (in.): 32  
NYTMN (km.): 4785.22    NYTME (km.): 195.929    Building: BLDG08

Emission Point: S1091

Height (ft.): 49                      Diameter (in.): 32  
NYTMN (km.): 4785.22    NYTME (km.): 195.929    Building: BLDG08

Emission Point: S1092

Height (ft.): 45                      Diameter (in.): 12  
NYTMN (km.): 4785.22    NYTME (km.): 195.929    Building: BLDG08

**Item 49.18:**

The following emission points are included in this permit for the cited Emission Unit:

Emission Unit: T-HERM1

Emission Point: 0N933

Height (ft.): 48                      Diameter (in.): 16  
Building: BLDG08

Emission Point: 0N934

Height (ft.): 48                      Diameter (in.): 16  
Building: BLDG08

Emission Point: 0N935

Height (ft.): 40                      Diameter (in.): 20  
Building: BLDG08

Emission Point: 0N936

Height (ft.): 40                      Diameter (in.): 20  
Building: BLDG08

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Emission Point: 0N937 Height (ft.): 48	Diameter (in.): 16	Building: BLDG08
Emission Point: 0N938 Height (ft.): 40	Diameter (in.): 20	Building: BLDG08
Emission Point: 0S938 Height (ft.): 48	Diameter (in.): 16	Building: BLDG08
Emission Point: 0S939 Height (ft.): 40	Diameter (in.): 20	Building: BLDG08

**Item 49.19:**

The following emission points are included in this permit for the cited Emission Unit:

Emission Unit: T-HERM2		
Emission Point: WK451 Height (ft.): 48	Diameter (in.): 16	Building: BLDG10
Emission Point: WK452 Height (ft.): 48	Diameter (in.): 16	Building: BLDG10
Emission Point: WK453 Height (ft.): 48	Diameter (in.): 16	Building: BLDG10
Emission Point: WK454 Height (ft.): 40	Diameter (in.): 20	Building: BLDG10

**Item 49.20:**

The following emission points are included in this permit for the cited Emission Unit:

Emission Unit: T-UBEF1		
Emission Point: 0Z512 Height (ft.): 37	Length (in.): 25	Width (in.): 17 Building: BLDG07

**Item 49.21:**

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The following emission points are included in this permit for the cited Emission Unit:

Emission Unit: V-BRAZ1

Emission Point: 0C511

Height (ft.): 32

Diameter (in.): 3

Building: BLDG07

Emission Point: 0C551

Height (ft.): 32

Diameter (in.): 4

Building: BLDG07

Emission Point: 0Q551

Height (ft.): 32

Diameter (in.): 6

Building: BLDG07

Emission Point: 0Q553

Height (ft.): 32

Diameter (in.): 6

Building: BLDG07

Emission Point: 0Q556

Height (ft.): 32

Diameter (in.): 6

Building: BLDG07

Emission Point: 0Q592

Height (ft.): 32

Diameter (in.): 6

Building: BLDG07

Emission Point: 0Q593

Height (ft.): 32

Diameter (in.): 6

Building: BLDG07

Emission Point: 0Q597

Height (ft.): 40

Diameter (in.): 7

Building: BLDG07

Emission Point: 0S853

Height (ft.): 48

Diameter (in.): 16

Building: BLDG08

Emission Point: 0V594

Height (ft.): 28

Diameter (in.): 5

Building: BLDG07

Emission Point: 0X811

Height (ft.): 48

Length (in.): 14

Width (in.): 17

Building: BLDG08



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Emission Point: 0X859 Height (ft.): 48	Length (in.): 14	Width (in.): 17 Building: BLDG08
Emission Point: 0Z151 Height (ft.): 51	Diameter (in.): 4	Building: BLDG07
Emission Point: 0Z152 Height (ft.): 51	Diameter (in.): 4	Building: BLDG07
Emission Point: 0Z153 Height (ft.): 51	Diameter (in.): 4	Building: BLDG07
Emission Point: 0Z191 Height (ft.): 51	Diameter (in.): 4	Building: BLDG07
Emission Point: BB855 Height (ft.): 48 NYTMN (km.): 4785.22	Length (in.): 17 NYTME (km.): 195.929	Width (in.): 14 Building: BLDG08
Emission Point: DD111 Height (ft.): 45	Diameter (in.): 18	Building: BLDG07
Emission Point: DD113 Height (ft.): 50	Diameter (in.): 3	Building: BLDG07
Emission Point: DD191 Height (ft.): 50	Diameter (in.): 3	Building: BLDG07
Emission Point: DD192 Height (ft.): 50 NYTMN (km.): 4785.22	Diameter (in.): 3 NYTME (km.): 195.929	Building: BLDG07
Emission Point: DD193 Height (ft.): 50 NYTMN (km.): 4785.22	Diameter (in.): 3 NYTME (km.): 195.929	Building: BLDG07
Emission Point: DD194 Height (ft.): 50	Diameter (in.): 3	Building: BLDG07



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Emission Point: HH156 Height (ft.): 50	Diameter (in.): 3	Building: BLDG07
Emission Point: HH157 Height (ft.): 50	Diameter (in.): 3	Building: BLDG07
Emission Point: HH191 Height (ft.): 50	Diameter (in.): 3	Building: BLDG07
Emission Point: HH192 Height (ft.): 50	Diameter (in.): 3	Building: BLDG07

**Item 49.22:**

The following emission points are included in this permit for the cited Emission Unit:

Emission Unit: W-ELD01

f0

Emission Point: HH155 Height (ft.): 39 NYTMN (km.): 4785.22	Length (in.): 24 NYTME (km.): 195.929	Width (in.): 15 Building: BLDG07
Emission Point: M1111 Height (ft.): 44 NYTMN (km.): 4785.22	Diameter (in.): 14 NYTME (km.): 195.929	Building: BLDG09

**Item 49.23:**

The following emission points are included in this permit for the cited Emission Unit:

Emission Unit: W-ELD02		
Emission Point: 0J853 Height (ft.): 45	Diameter (in.): 18	Building: BLDG08
Emission Point: 0J892 Height (ft.): 45	Diameter (in.): 18	Building: BLDG08
Emission Point: 0J895 Height (ft.): 36	Diameter (in.): 18	Building: BLDG08
Emission Point: 0J931 Height (ft.): 40	Diameter (in.): 20	



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Building: BLDG08

Emission Point: 0J972  
Height (ft.): 40

Diameter (in.): 20

Building: BLDG08

Emission Point: 0J973  
Height (ft.): 38

Diameter (in.): 18

Building: BLDG08

Emission Point: 0J974  
Height (ft.): 38

Diameter (in.): 18

Building: BLDG08

**Item 49.24:**

The following emission points are included in this permit for the cited Emission Unit:

Emission Unit: W-WTP01

Emission Point: WWT01  
Height (ft.): 47

Diameter (in.): 8

Building: WWTP

**Condition 50: Process Definition By Emission Unit  
Effective between the dates of 05/03/2001 and 05/03/2006**

**Applicable Federal Requirement: 6NYCRR 201-6.**

**Item 50.1:**

This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: 0-CAB01

Process: HB1

Source Classification Code: 3-09-042-00

Process Description:

Controlled atmosphere brazing for heaters cell 1  
including a fluxer, flux dry oven and braze furnace.

Emission Source/Control: 0Z557 - Control  
Control Type: WET SCRUBBER

Emission Source/Control: DD551 - Control  
Control Type: WET SCRUBBER

Emission Source/Control: DD552 - Control  
Control Type: WET SCRUBBER

Emission Source/Control: HB1-1 - Process

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**Item 50.2:**

This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: 0-CAB01

Process: HB2

Source Classification Code: 3-09-042-00

Process Description:

Controlled atmosphere brazing line for heaters cell 2 includes a fluxer, dry oven, braze furnace, and braze furnace cooling air chamber. The fluxer and braze furnace are controlled by a mist eliminator and a wet scrubber.

Emission Source/Control: 0Z631 - Control

Control Type: WET SCRUBBER

Emission Source/Control: DD632 - Control

Control Type: MIST ELIMINATOR

Emission Source/Control: HB2-1 - Process

**Item 50.3:**

This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: 0-CAB01

Process: RB1

Source Classification Code: 3-09-042-00

Process Description:

Controlled atmosphere brazing for aluminum radiators cell 1 including a braze furnace, flux dry oven, and a fluxer. The fluxer contains a venturi scrubber, the dry oven and braze furnace contain an activated alumina bed adsorber.

Emission Source/Control: 0G357 - Control

Control Type: ACTIVATED CARBON ADSORPTION

Emission Source/Control: 0L352 - Control

Control Type: ACTIVATED CARBON ADSORPTION

Emission Source/Control: 0L353 - Control

Control Type: WET SCRUBBER

Emission Source/Control: RB1-1 - Process

**Item 50.4:**

This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: 0-CAB01

Process: RB2

Source Classification Code: 3-09-042-00

Process Description:



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Controlled atmosphere brazing for aluminum radiators cell  
2 including a fluxer, flux dry oven, and a braze furnace  
controlled by a venturi scrubber.

Emission Source/Control: 0L434 - Control  
Control Type: WET SCRUBBER

Emission Source/Control: 0Q393 - Control  
Control Type: WET SCRUBBER

Emission Source/Control: 0Q432 - Control  
Control Type: WET SCRUBBER

Emission Source/Control: RB2-2 - Process

**Item 50.5:**

This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: 0-CAB01

Process: RB3

Source Classification Code: 3-09-042-00

Process Description:

Controlled atmosphere brazing for aluminum radiators cell  
3. Each line includes a fluxer, flux dry oven, braze  
furnace, and braze furnace cooling chamber. The fluxer and  
braze furnace stack contains a wet venturi scrubber.

Emission Source/Control: 0L193 - Control  
Control Type: WET SCRUBBER

Emission Source/Control: RB3-3 - Process

**Item 50.6:**

This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: 0-CAB01

Process: RB4

Source Classification Code: 3-09-042-00

Process Description:

Controlled atmosphere brazing for aluminum radiators cell  
4. Each line includes a fluxer, flux dry oven, braze  
furnace, and braze furnace cooling chamber. The fluxer and  
braze furnace stack associated with this process contains  
a wet venturi scrubber.

Emission Source/Control: 0G307 - Control  
Control Type: WET SCRUBBER

Emission Source/Control: 0L702 - Control  
Control Type: WET SCRUBBER

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Emission Source/Control: RB4-4 - Process

**Item 50.7:**

This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: 0-CAB01

Process: SB1

Source Classification Code: 3-09-042-00

Process Description:

Controlled atmosphere brazing of serpentine condensers.  
Flux application and drying along with brazing and cooling operations are described within this process.

Emission Source/Control: WR491 - Control

Control Type: WET SCRUBBER

Emission Source/Control: WR493 - Control

Control Type: ACTIVATED CARBON ADSORPTION

Emission Source/Control: SB1-1 - Process

**Item 50.8:**

This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: 0-CAB01

Process: TB3

Source Classification Code: 3-09-042-00

Process Description:

Brazing headered tube condensers for production in cell  
3. The fluxer and braze furnace are controlled by a two-stage wet venturi/packed scrubber.

Emission Source/Control: 0J896 - Control

Control Type: WET SCRUBBER

Emission Source/Control: TB3-3 - Process

**Item 50.9:**

This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: 0-CAB01

Process: TB4

Source Classification Code: 3-09-042-00

Process Description:

Brazing headered tube condensers for production in cell  
4. This line contains a fluxer, flux dry oven, braze furnace, braze furnace burners, and braze furnace cooling chamber. The fluxer and braze furnace ventilated thru the same stack are controlled by a wet scrubber.



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Emission Source/Control: 0J978 - Control  
Control Type: WET SCRUBBER

Emission Source/Control: TB4-4 - Process

**Item 50.10:**

This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: 0-CAB02  
Process: HO2  
Process Description:  
Controlled atmosphere brazing oven for aluminum heater cell 2.  
Source Classification Code: 3-09-042-00

Emission Source/Control: DD633 - Process

**Item 50.11:**

This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: 0-CAB02  
Process: RO3  
Process Description:  
Gas fired flux drying oven for aluminum radiators cell 3.  
Source Classification Code: 3-09-042-00

Emission Source/Control: 0Q191 - Process

**Item 50.12:**

This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: 0-CAB02  
Process: RO4  
Process Description:  
Gas fired flux drying oven for aluminum radiators cell 4.  
Source Classification Code: 3-09-042-00

Emission Source/Control: 0L704 - Process

**Item 50.13:**

This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: 0-CAB02  
Process: SO1  
Process Description:  
An aqueous suspension of flux is applied and then dried in this oven before entering into the controlled atmosphere braze oven for serpentine condensers.  
Source Classification Code: 3-09-042-00

Emission Source/Control: WR492 - Process

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**Item 50.14:**

This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: 0-CAB02

Process: TO3

Source Classification Code: 3-09-042-00

Process Description:

Gas-fired flux dry oven oven for headered tube condensers  
in cell 3.

Emission Source/Control: 0N892 - Process

**Item 50.15:**

This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: 0-CAB02

Process: TO4

Source Classification Code: 3-09-042-00

Process Description:

Gas fired flux dry oven for headered tube condensers in  
cell 4.

Emission Source/Control: N9711 - Process

**Item 50.16:**

This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: 0-CAB03

Process: HC1

Source Classification Code: 3-09-042-00

Process Description:

Controlled atmosphere braze cooling for heaters cell 1.

Emission Source/Control: 0Z556 - Process

**Item 50.17:**

This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: 0-CAB03

Process: HC2

Source Classification Code: 3-09-042-00

Process Description:

Controlled atmosphere braze cooling for heaters cell 2.

Emission Source/Control: 0Z632 - Process

**Item 50.18:**

This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: 0-CAB03

Process: RC1

Source Classification Code: 3-09-042-00



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Process Description:

Controlled atmosphere brazing cooling for aluminum radiators cell 1.

Emission Source/Control: 0G359 - Process

**Item 50.19:**

This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: 0-CAB03

Process: RC2

Source Classification Code: 3-09-042-00

Process Description:

Controlled atmosphere brazing cooling for aluminum radiators cell 2.

Emission Source/Control: 0G433 - Process

**Item 50.20:**

This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: 0-CAB03

Process: RC3

Source Classification Code: 3-09-042-00

Process Description:

Controlled atmosphere brazing cooling for aluminum radiators cell 3.

Emission Source/Control: 0L194 - Process

**Item 50.21:**

This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: 0-CAB03

Process: RC4

Source Classification Code: 3-09-042-00

Process Description:

Controlled atmosphere brazing cooling for aluminum radiators cell 4.

Emission Source/Control: 0G306 - Process

**Item 50.22:**

This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: 0-CAB03

Process: SC1

Source Classification Code: 3-09-042-00

Process Description:

Controlled atmosphere braze cooling of serpentine condensers.



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Emission Source/Control: WR412 - Process

**Item 50.23:**

This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: 0-CAB03

Process: TC3

Source Classification Code: 3-09-042-00

Process Description:

Braze cooling for headered tube condensers in cell 3.

Emission Source/Control: 0J897 - Process

**Item 50.24:**

This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: 0-CAB03

Process: TC4

Source Classification Code: 3-09-042-00

0 Process Description:

Braze cooling for headered tube condensers in cell 4.

Emission Source/Control: 0J979 - Process

**Item 50.25:**

This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: 0-CAB04

Process: BFI

Source Classification Code: 3-09-042-00

Process Description:

Manufacturing process that involves the brazing of aluminum heat exchanger units.

Emission Source/Control: L31-1 - Process

**Item 50.26:**

This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: 0-CAB04

Process: CZ1

Source Classification Code: 3-09-999-97

Process Description: Outside air circulation to cool parts

Emission Source/Control: G31-1 - Process

Emission Source/Control: G31-2 - Process

**Item 50.27:**

This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: 0-CAB04



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Process: HD1

Source Classification Code: 3-09-042-00

Process Description:

Thermal degreasing of aluminum radiator cores to remove oil.

Emission Source/Control: L31-2 - Process

**Item 50.28:**

This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: 0-CAB05

Process: GM1

Source Classification Code: 3-09-042-00

Process Description: Process consists of a fluxer and dry oven.

Emission Source/Control: WD491 - Control

Control Type: WET SCRUBBER

Emission Source/Control: WD492 - Process

**Item 50.29:**

This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: 0-CAB06

Process: C61

Source Classification Code: 3-99-999-92

Process Description:

Thermal degreasing of condenser cores following electrostatic fluxing.

Emission Source/Control: L3104 - Process

**Item 50.30:**

This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: 0-CAB06

Process: C62

Source Classification Code: 3-99-999-92

Process Description:

The controlled atmospheric braze (CAB) furnace with electric heat and a nitrogen atmosphere. This process follows in sequence after the thermal degreasing of the condenser cores. A packed wet scrubber removes 85% of particulate emissions.

Emission Source/Control: L3105 - Control

Control Type: PACKED GAS ABSORPTION SYSTEM, GAS SCRUBBER (GENERAL, NOT CLASSIFIED)

Emission Source/Control: L3103 - Process

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**Item 50.31:**

This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: 0-CAB06

Process: C63

Source Classification Code: 3-99-999-92

Process Description:

This process consists of outside air circulated to cool condenser cores following the braze furnace. There are two emission points associated with this process.

Emissions consist of trace particulates.

Emission Source/Control: G3103 - Process

**Item 50.32:**

This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: 0-COAT1

Process: CF1

Source Classification Code: 3-09-011-99

Process Description:

Chromate conversion coating system to wash and coat evaporators. The cleaner contains no VOCs or HAPs and the coating contains hydrofluoric acid and chromic acid.

Emission Source/Control: 0N817 - Process

Emission Source/Control: 0S817 - Process

**Item 50.33:**

This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: A-DHES1

Process: HM1

Source Classification Code: 4-02-007-01

Process Description:

This process describes five hot melt adhesive, one gasket cement and three foam melt stations for adhesion of manufactured parts. Adhesive is used to join heater parts.

Emission Source/Control: 0L911 - Process

Emission Source/Control: 0L991 - Process

Emission Source/Control: 0V871 - Process

Emission Source/Control: 0Z911 - Process

Emission Source/Control: 0Z951 - Process



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- Emission Source/Control: DD914 - Process
- Emission Source/Control: L1071 - Process
- Emission Source/Control: V1031 - Process
- s20
- Emission Source/Control: V1112 - Process

**Item 50.34:**

This permit authorizes the following regulated processes for the cited Emission Unit:

- Emission Unit: A-DHES1
- Process: RS1
- Source Classification Code: 4-02-007-01
- Process Description:
  - Application of sealant to manufactured parts at two RTV sealant stations.
- Emission Source/Control: V1072 - Process
- Emission Source/Control: V1111 - Process

**Item 50.35:**

This permit authorizes the following regulated processes for the cited Emission Unit:

- Emission Unit: B-OILR1
- Process: BL1
- Source Classification Code: 1-02-006-01
- Process Description:
  - Two 60 MMBTU boilers that generate steam for space heating and manufacturing processes through the combustion of natural gas.
- Emission Source/Control: 0D791 - Combustion
- Design Capacity: 120 million Btu per hour

**Item 50.36:**

This permit authorizes the following regulated processes for the cited Emission Unit:

- Emission Unit: B-OILR1
- Process: BL4
- Source Classification Code: 1-02-006-01
- Process Description:
  - Two 60 MMBTU boilers that generate steam for space heating and manufacturing processes through the combustion of No. 2 Fuel Oil.
- Emission Source/Control: 0D791 - Combustion
- Design Capacity: 120 million Btu per hour

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**Item 50.37:**

This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: I-NDBR1

Process: EA1

Source Classification Code: 3-09-042-00

Process Description:

Induction brazing dipping and drying with use of braze slurry containing VOCs.

Emission Source/Control: 0N773 - Process

**Item 50.38:**

This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: I-NDBR1

Process: HA1

Source Classification Code: 3-09-042-00

Process Description:

Headered Tube Condensers (HTC) flux booths that service production lines (cells 3 and 4). The booths use a braze slurry that contains VOC.

Emission Source/Control: 0E896 - Process

**Item 50.39:**

This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: I-NDBR2

Process: EA2

Source Classification Code: 3-09-042-00

Process Description:

Induction brazing, flame brazing and welding are used to assemble evaporators.

Emission Source/Control: BB771 - Process

**Item 50.40:**

This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: I-NDBR2

Process: EA3

Source Classification Code: 3-09-042-00

Process Description:

Induction brazing and welding are used to assemble evaporators.

Emission Source/Control: 0X891 - Process

**Item 50.41:**

This permit authorizes the following regulated processes for the cited Emission Unit:



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Emission Unit: I-NDBR2

Process: SPA

Source Classification Code: 3-09-042-00

Process Description:

One induction braze line and seven welding booths for aluminum serpentine condensers.

Emission Source/Control: WR411 - Process

Emission Source/Control: WR413 - Process

**Item 50.42:**

This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: I-NDBR3

Process: FB1

Source Classification Code: 3-09-042-00

Process Description:

Brazing of two aluminum pipes to an aluminum block. This process having potential emissions of particulates less than 2.5 tons per year is an insignificant emissions activity.

Emission Source/Control: X93-6 - Process

Emission Source/Control: X93-7 - Process

**Item 50.43:**

This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: I-NKJT1

Process: IJ1

Source Classification Code: 3-99-999-92

Process Description:

Marking manufactured parts using ink jet marking systems. Systems are located throughout the production facilities in Buildings 7, 8, 9 and 10 and there are no associated emission points.

Emission Source/Control: INKJ1 - Process

**Item 50.44:**

This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: P-AINT1

Process: FP1

Source Classification Code: 4-02-025-01

Process Description:

Painting tube and fin condensers in a spray booth with an automatic water spray.

Emission Source/Control: E1132 - Process

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**Item 50.45:**

This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: P-AINT1

Process: HP3

Source Classification Code: 4-02-025-01

Process Description:

Painting headered tube condensers in line 3 automatic paint spray. Parts are conveyORIZED to spray enclosure.

Emission Source/Control: 0E893 - Control

Control Type: FABRIC FILTER

Emission Source/Control: E8903 - Control

Control Type: BAFFLE

Emission Source/Control: HP3-3 - Process

**Item 50.46:**

This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: P-AINT1

Process: HP4

Source Classification Code: 4-02-025-01

Process Description:

Painting headered tube condensers in line 4 automatic paint spray. Parts are conveyORIZED to spray enclosure.

Emission Source/Control: 0E973 - Control

Control Type: FABRIC FILTER

Emission Source/Control: HP4-4 - Process

**Item 50.47:**

This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: P-AINT1

Process: SP1

Source Classification Code: 4-02-025-01

Process Description:

Automatic paint spraying of serpentine condensers in one Nordson spray booth with water curtain to control particulate emissions.

Emission Source/Control: WY451 - Control

Control Type: WATER CURTAIN

Emission Source/Control: SP1-1 - Process

**Item 50.48:**

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This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: P-AINT2

Process: FP2

Source Classification Code: 4-02-008-01

Process Description:

Paint drying tube and fin condensers in a gas fired drying oven. The parts pass via conveyor through an enclosed tunnel in through the oven.

Emission Source/Control: E1098 - Process

Emission Source/Control: J1011 - Process

**Item 50.49:**

This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: P-AINT2

Process: HO3

Source Classification Code: 4-02-008-01

Process Description:

Paint drying of headered tube condensers in cell 3 electric oven.

Emission Source/Control: 0E894 - Process

Emission Source/Control: 0E895 - Process

**Item 50.50:**

This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: P-AINT2

Process: HO4

Source Classification Code: 4-02-008-01

Process Description:

Paint drying headered tube condensers in cell 4 electric oven.

Emission Source/Control: 0E974 - Process

Emission Source/Control: 0E976 - Process

**Item 50.51:**

This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: P-AINT2

Process: SP2

Source Classification Code: 4-02-008-01

Process Description:

Drying painted aluminum serpentine condensers in an oven.

Emission Source/Control: WY452 - Process

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**Item 50.52:**

This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: P-APER1

Process: PBS

Source Classification Code: 3-07-013-99

Process Description: One paperboard shredder and cyclone separator.

Emission Source/Control: 00101 - Control

Control Type: SINGLE CYCLONE

Emission Source/Control: 010-S - Process

**Item 50.53:**

This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: R-STPT2

Process: RP1

Source Classification Code: 4-02-025-01

Process Description:

Automatic conveyORIZED paint spray line of radiators in enclosed areas. Each spray booth contains a water curtain.

Emission Source/Control: 0RR73 - Control

Control Type: WATER CURTAIN

Emission Source/Control: 0RR74 - Control

Control Type: WATER CURTAIN

Emission Source/Control: BINKS - Process

**Item 50.54:**

This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: R-STPT2

Process: RP2

Source Classification Code: 4-02-008-01

Process Description: Drying painted radiators in ovens.

Emission Source/Control: 0RR75 - Process

Emission Source/Control: 0RR76 - Process

Emission Source/Control: 0RR77 - Process

Emission Source/Control: RR151 - Process

Emission Source/Control: RR152 - Process

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Emission Source/Control: RR153 - Process

**Item 50.55:**

This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: S-OLDR1

Process: OS1

Source Classification Code: 3-09-043-00

Process Description:

Automatic soldering of machine return tube bends onto main condenser tubes (line 1).

Emission Source/Control: S1091 - Process

Emission Source/Control: S1092 - Process

**Item 50.56:**

This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: S-OLDR1

Process: OS2

Source Classification Code: 3-09-043-00

Process Description:

Automatic soldering of machine return tube bends onto main condenser tubes (line 2).

Emission Source/Control: S1057 - Process

Emission Source/Control: S1058 - Process

**Item 50.57:**

This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: T-HERM1

Process: TD1

Source Classification Code: 3-99-999-92

Process Description:

Thermal degreasing in four hot boxes to remove oil from production parts. Hot boxes #1 thru #3 are located in building 8. Hot box #4 is located in building 10.

Emission Source/Control: 0N933 - Process

Emission Source/Control: 0N934 - Process

Emission Source/Control: 0N937 - Process

Emission Source/Control: 0S938 - Process

**Item 50.58:**

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This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: T-HERM1

Process: TD2

Source Classification Code: 3-99-999-92

Process Description:

Outside air is used to cool parts exiting the four hot box degreasing ovens.

Emission Source/Control: 0N935 - Process

Emission Source/Control: 0N936 - Process

Emission Source/Control: 0N938 - Process

Emission Source/Control: 0S938 - Process

**Item 50.59:**

This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: T-HERM2

Process: TD3

Source Classification Code: 3-99-999-92

Process Description:

Aluminum centers for condensers are formed using a lube oil which is then removed from the part in the Hot Box #6 thermal degreaser consisting of an oven and cooling section. This reflect a pre-construction notification for this Hot Box which is to be installed by March 2001 as part of the GMT-600/GMT-610 project.

Emission Source/Control: WK451 - Process

Emission Source/Control: WK452 - Process

**Item 50.60:**

This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: T-HERM2

Process: TD4

Source Classification Code: 3-99-999-92

Process Description:

Aluminum centers for condensers are formed using a lube oil which is then removed from the part in a thermal degreaser consisting of an oven and cooling section and identified as hotbox #5.

Emission Source/Control: WK453 - Process

Emission Source/Control: WK454 - Process

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**Item 50.61:**

This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: T-UBEF1

Process: TF1

Source Classification Code: 3-09-030-99

Process Description:

Tubes are formed from aluminum sheet stock and the ends are seamed and fused in induction heat zones. The tube forming machine is equipped with a demister for oil mist particulate control. This is a trivial activity as per Part 201-3.3(c)(57).

Emission Source/Control: 0Z512 - Control

Control Type: MIST ELIMINATOR

Emission Source/Control: Z51-3 - Process

**Item 50.62:**

This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: V-BRAZ1

Process: EB1

Source Classification Code: 3-09-042-00

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Process Description:

Four vacuum braze lines(#2 thru #5) that autobraze aluminum evaporator cores in an evacuated, electrically heated multi-chamber furnace.

Emission Source/Control: 0S853 - Control

Control Type: MIST ELIMINATOR

Emission Source/Control: 0X811 - Control

Control Type: MIST ELIMINATOR

Emission Source/Control: 0X859 - Control

Control Type: MIST ELIMINATOR

Emission Source/Control: BB855 - Control

Control Type: MIST ELIMINATOR

Emission Source/Control: EB1-1 - Process

**Item 50.63:**

This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: V-BRAZ1

Process: OB1

Source Classification Code: 3-09-042-00

Process Description:

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The assembly of stainless steel and aluminum industrial oil coolers by fusion in an electrically heated vacuum braze furnace. The braze furnaces each contain a vacuum pump to remove oil from the furnaces. Each stack contains an oil mist separator to control particulate emissions.

Emission Source/Control: 0C511 - Control  
Control Type: MIST ELIMINATOR

Emission Source/Control: 0C551 - Control  
Control Type: MIST ELIMINATOR

Emission Source/Control: 0Z151 - Control  
Control Type: MIST ELIMINATOR

Emission Source/Control: 0Z152 - Control  
Control Type: MIST ELIMINATOR

Emission Source/Control: 0Z153 - Control  
Control Type: MIST ELIMINATOR

Emission Source/Control: 0Z191 - Control  
Control Type: MIST ELIMINATOR

Emission Source/Control: DD113 - Control  
Control Type: MIST ELIMINATOR

Emission Source/Control: DD191 - Control  
Control Type: MIST ELIMINATOR

Emission Source/Control: DD192 - Control  
Control Type: MIST ELIMINATOR

Emission Source/Control: DD193 - Control  
Control Type: MIST ELIMINATOR

Emission Source/Control: DD194 - Control  
Control Type: MIST ELIMINATOR

Emission Source/Control: HH156 - Control  
Control Type: MIST ELIMINATOR

Emission Source/Control: HH157 - Control  
Control Type: MIST ELIMINATOR

Emission Source/Control: HH191 - Control  
Control Type: MIST ELIMINATOR



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Emission Source/Control: HH192 - Control  
Control Type: MIST ELIMINATOR

Emission Source/Control: DD111 - Process

**Item 50.64:**

This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: V-BRAZ1

Process: VB1

Source Classification Code: 3-09-042-00

Process Description:

Vacuum brazing of radiators in four electrically heated furnaces, numbers 3, 4, 5, and 6. Oil emissions from the vacuum pump itself are considered a trivial activity as per 6NYCRR, Part 201-3.3(c)(62).

Emission Source/Control: 0Q551 - Control  
Control Type: MIST ELIMINATOR

Emission Source/Control: 0Q553 - Control  
Control Type: MIST ELIMINATOR

Emission Source/Control: 0Q556 - Control  
Control Type: MIST ELIMINATOR

Emission Source/Control: 0Q592 - Control  
Control Type: MIST ELIMINATOR

Emission Source/Control: 0Q593 - Control  
Control Type: MIST ELIMINATOR

Emission Source/Control: 0Q597 - Control  
Control Type: MIST ELIMINATOR

Emission Source/Control: 0V594 - Control  
Control Type: MIST ELIMINATOR

Emission Source/Control: VB1-1 - Process

**Item 50.65:**

This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: W-ELD01

Process: RW1

Source Classification Code: 3-09-005-00

Process Description:

This process describes one radiator supply tanks solder and weld assembly area. This process having potential emissions of particulates less than 2.5 tons per year and



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potential emissions of hydrogen chloride, a hazardous air pollutant less than 1000 pounds per year, is an insignificant emission activity.

Emission Source/Control: HH155 - Process

**Item 50.66:**

This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: W-ELD01

Process: WD1

Source Classification Code: 3-09-005-00

Process Description:

Spot welding of steel rods onto air conditioner door plates.

Emission Source/Control: M1111 - Process

**Item 50.67:**

This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: W-ELD02

Process: EW1

Source Classification Code: 3-09-005-00

Process Description:

Five evaporator welding areas for miscellaneous aluminum parts that each contain an automated and several manual inert gas shielded arc welders. This process having potential emissions of particulates less than 2.5 tons per year is an insignificant emissions activity.

Emission Source/Control: 0J853 - Process

Emission Source/Control: 0J892 - Process

Emission Source/Control: 0J895 - Process

Emission Source/Control: 0J973 - Process

Emission Source/Control: 0J974 - Process

**Item 50.68:**

This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: W-ELD02

Process: HPA

Source Classification Code: 3-09-005-00

Process Description:

Weld brazing by manual insert gas shielded arc welder for assembly of headered tube condensers pipes. This is a trivial activity as defined by 6NYCRR, Part



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201-3.3(c)(54).

Emission Source/Control: 0J931 - Process

Emission Source/Control: 0J972 - Process

**Item 50.69:**

This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: W-WTP01

Process: WT1

Source Classification Code: 3-99-999-92

Process Description:

Sludge dryer operation to dry lime precipitation sludge/slurry. The dryer exhaust gases pass through a scrubber that uses municipal or reclaimed water.

Emission Source/Control: WWT01 - Control

Control Type: IMPINGEMENT PLATE SCRUBBER

Emission Source/Control: WWT03 - Process

**Condition 51: Compliance Certification**

**Effective between the dates of 05/03/2001 and 05/03/2006**

**Applicable Federal Requirement: 6NYCRR 212.4(c)**

**Item 51.1:**

The Compliance Certification activity will be performed for:

Emission Unit: 0-CAB01

Regulated Contaminant:

CAS No: 0NY075-00-0

Name: PARTICULATES

**Item 51.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Emissions of solid particulate from each emission point associated with this emission unit shall not exceed 0.05 grains of particulate per cubic foot of exhaust gas expressed at standard conditions on a dry gas basis. Emission control equipment, venturi scrubbers, packed scrubbers, activated alumina bed absorbers to control fluorides, and mist eliminators, associated with these emission points are to maintained and operated according



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to manufacturers recommendations and the facility preventative maintenance program. Records of preventative maintenance and carbon changeout are to be maintained and made available to Department representatives on request during normal business hours.

Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR YEAR)

Reports due 30 days after every 6 calendar months (January - June, July - December)

**Condition 52: Compliance Certification**  
**Effective between the dates of 05/03/2001 and 05/03/2006**

**Applicable Federal Requirement: 6NYCRR 212.10(f)**

**Item 52.1:**

The Compliance Certification activity will be performed for:

Emission Unit: 0-CAB04 Emission Point: L31-2

Regulated Contaminant:

CAS No: 0NY998-00-0

Name: VOC

**Item 52.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: MONITORING OF PROCESS OR CONTROL DEVICE PARAMETERS AS SURROGATE

Monitoring Description:

The emission rate potential of volatile organic compounds from the thermal degreasing of aluminum radiators exceeds 3 pounds per hour and therefore this emission source is subject to the Reasonably Available Control Technology (RACT) requirements of this subpart. As such, the thermal degreasing operation is required to maintain an overall removal efficiency of 81%. Stack tests on similar sources have demonstrated a destruction efficiency of 91%. Temperature of the afterburner shall be kept at a minimum of 750 degrees C to ensure compliance. Source testing will be required on a representative unit once during the permit duration to demonstrate compliance with the minimum overall removal efficiency. The facility shall operate and maintain this emission source according to manufacturers specifications and the established facility maintenance protocol.



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Parameter Monitored: TEMPERATURE

Lower Limit of Monitoring: 750 degrees Centigrade (or Celsius)

Monitoring Frequency: AS REQUIRED - SEE MONITORING

DESCRIPTION

Averaging Method: MINIMUM - NOT TO FALL BELOW STATED  
VALUE AT ANY TIME

Reporting Requirements: SEMI-ANNUALLY (CALENDAR YEAR)

Reports due 30 days after every 6 calendar months (January - June, July - December)

**Condition 53: Compliance Certification**

**Effective between the dates of 05/03/2001 and 05/03/2006**

**Applicable Federal Requirement: 6NYCRR 212.10(f)**

**Item 53.1:**

The Compliance Certification activity will be performed for:

Emission Unit: 0-CAB06

Regulated Contaminant:

CAS No: 0NY998-00-0

Name: VOC

**Item 53.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: MONITORING OF PROCESS OR CONTROL  
DEVICE PARAMETERS AS SURROGATE

Monitoring Description:

The emission rate potential of volatile organic compounds from the thermal degreasing of aluminum condensers exceeds 3 pounds per hour and therefore this emission source is subject to the Reasonably Available Control Technology (RACT) requirements of this Subpart. As such, the thermal degreasing operation is required to maintain an overall removal efficiency of 81%. Stack tests on similar sources have demonstrated a destruction efficiency of 91% and is therefore determined to be equipped with RACT. Temperature of the afterburner shall be kept at a minimum of 750 degrees C to ensure compliance and monitored daily. Source testing will be required once during the permit duration to demonstrate compliance with the minimum overall removal efficiency. The facility shall operate and maintain this emission source according to manufacturers specifications and the established facility maintenance protocol.

Parameter Monitored: TEMPERATURE



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Lower Limit of Monitoring: 750 degrees Centigrade (or Celsius)

Monitoring Frequency: DAILY

Averaging Method: MINIMUM - NOT TO FALL BELOW STATED  
VALUE AT ANY TIME

Reporting Requirements: SEMI-ANNUALLY (CALENDAR YEAR)

Reports due 30 days after every 6 calendar months (January - June, July - December)

**Condition 54: Compliance Certification**

**Effective between the dates of 05/03/2001 and 05/03/2006**

**Applicable Federal Requirement: 6NYCRR 212.4(c)**

**Item 54.1:**

The Compliance Certification activity will be performed for:

Emission Unit: 0-COAT1

Regulated Contaminant:

CAS No: 0NY075-00-0

Name: PARTICULATES

**Item 54.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

In instances where determination of permissible emission rate using process weight is not applicable, and for an environmental rating of B or C, no person will cause or allow emissions of solid particulates that exceed 0.050 grains of particulate per cubic foot of exhaust gas, expressed at standard conditions on a dry gas basis.

Parameter Monitored: PARTICULATES

Upper Limit of Monitoring: 0.050 grains per dscf

Reference Test Method: EPA Method 5

Monitoring Frequency: AS REQUIRED - SEE MONITORING  
DESCRIPTION

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST  
METHOD INDICATED

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

**Condition 55: Compliance Certification**

**Effective between the dates of 05/03/2001 and 05/03/2006**

**Applicable Federal Requirement: 6NYCRR 228.7**

**Item 55.1:**

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The Compliance Certification activity will be performed for:

Emission Unit: A-DHES1

Regulated Contaminant:

CAS No: 0NY998-00-0

Name: VOC

**Item 55.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The adhesives used to join manufactured components may contain a maximum of 3.5 pounds of volatile organic compounds per gallon of coating (minus water and excluded VOC) as applied. This is the allowable limit for extreme performance coatings used for the surface coating of miscellaneous metal parts and products. Records of volatile organic compound (VOC) content of all adhesives used are to be maintained onsite for a period of five years. Addition of new or replacement of adhesives will require certification from the manufacturer that the adhesives will comply with the "as applied" limit.

Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION

Averaging Method: MAXIMUM - NOT TO EXCEED STATED VALUE - SEE MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR YEAR)

Reports due 30 days after every 6 calendar months (January - June, July - December)

**Condition 56: Compliance Certification**

**Effective between the dates of 05/03/2001 and 05/03/2006**

**Applicable Federal Requirement: 6NYCRR 227-1.3(a)**

**Item 56.1:**

The Compliance Certification activity will be performed for:

Emission Unit: B-OILR1

**Item 56.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: MONITORING OF PROCESS OR CONTROL DEVICE PARAMETERS AS SURROGATE

Monitoring Description:



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No owner or operator of a combustion installation shall emit greater than 20 percent opacity except for one six minute period per hour, not to exceed 27 percent, based upon the six minute average in reference test method 9 in Appendix A of 40 CFR 60.

Parameter Monitored: OPACITY

Upper Limit of Monitoring: 20 percent

Averaging Method: 6-MINUTE AVERAGE (METHOD 9)

Reporting Requirements: SEMI-ANNUALLY (CALENDAR YEAR)

Reports due 30 days after every 6 calendar months (January - June, July - December)

**Condition 57: Compliance Certification**  
**Effective between the dates of 05/03/2001 and 05/03/2006**

**Applicable Federal Requirement: 6NYCRR 231-2.6**

**Item 57.1:**

The Compliance Certification activity will be performed for:

Emission Unit: B-OILR1

Regulated Contaminant:

CAS No: 0NY210-00-0

Name: OXIDES OF NITROGEN

**Item 57.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Emission reduction credits (ERCs) for netting and offsets use in the amount of 24.6 tons of nitrogen oxides were established on January 24, 1997 for the reduction in boiler operations. Since the future potential emissions are limited by the federally enforceable permit conditions established in the facility NOx RACT cap, ERCs can only be established for reductions beyond the <100 ton cap. Therefore, the reductions will be enforced through the permit conditions established in the facility wide NOx RACT cap. Of the three emission points certified at that time for reduction in use (D79-1, 016-1 and 016-2), the stationary combustion units directed to 016-1 and 016-2 have been shut-down and dismantled. The two boilers directed to emission point D79-1 remain on stand-by use.

Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION



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Reporting Requirements: SEMI-ANNUALLY (CALENDAR YEAR)

Reports due 30 days after every 6 calendar months (January - June, July - December)

**Condition 58: Compliance Certification**

**Effective between the dates of 05/03/2001 and 05/03/2006**

**Applicable Federal Requirement: 6NYCRR 212.4(c)**

**Item 58.1:**

The Compliance Certification activity will be performed for:

Emission Unit: P-AINT1

Regulated Contaminant:

CAS No: 0NY075-00-0

Name: PARTICULATES

**Item 58.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Compliance with the particulate emission limit of .05 grains per dscf of exhaust gas for emissions from the paint spraying operations associated emission points E1132, E93-3, E97-3, and WY451 will be demonstrated by maintenance of emission control equipment as follows:

1. Each week the baffles and bottom filters are cleaned.
2. Each month the filters between the oven and paint nozzles are changed and the filters on the paint booth air intake are cleaned.
3. Three times per month all exhaust ducts, stacks, and blowers are inspected for dirt and paint accumulation and cleaned as necessary.

Records of all maintenance activity are to be maintained on-site and made available to Department representatives on request during normal business hours.

Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR YEAR)

Reports due 30 days after every 6 calendar months (January - June, July - December)

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**Condition 59: Compliance Certification**  
**Effective between the dates of 05/03/2001 and 05/03/2006**

**Applicable Federal Requirement: 6NYCRR 228.4**

**Item 59.1:**

The Compliance Certification activity will be performed for:

Emission Unit: P-AINT1

**Item 59.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: MONITORING OF PROCESS OR CONTROL  
DEVICE PARAMETERS AS SURROGATE

Monitoring Description:

No person shall cause or allow emissions to the outdoor atmosphere having an average opacity of 20 percent or greater for any consecutive six-minute period from any emission source subject to 6NYCRR Part 228.

The Department reserves the right to perform or require the performance of a Method 9 opacity evaluation

Parameter Monitored: OPACITY

Upper Limit of Monitoring: 20 percent

Monitoring Frequency: AS REQUIRED - SEE MONITORING

s20 DESCRIPTION

Averaging Method: 6-MINUTE AVERAGE (METHOD 9)

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 60: samples**  
**Effective between the dates of 05/03/2001 and 05/03/2006**

**Applicable Federal Requirement: 6NYCRR 228.5(d)**

**Item 60.1:**

This Condition applies to Emission Unit: P-AINT1

**Item 60.2:**

Representatives of the department shall be permitted, during reasonable business hours, to obtain coating samples for the purpose of determining compliance.

**Condition 61: Compliance Certification**  
**Effective between the dates of 05/03/2001 and 05/03/2006**

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**Applicable Federal Requirement: 6NYCRR 228.7**

**Item 61.1:**

The Compliance Certification activity will be performed for:

Emission Unit: P-AINT1

Regulated Contaminant:

CAS No: 0NY998-00-0

Name: VOC

**Item 61.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

The volatile organic compound (VOC) content of extreme performance coatings used for the surface coating of miscellaneous metal parts and products is limited to a maximum of 3.5 pounds of VOC per gallon of coating (minus water and excluded VOC) as applied. This limit is applicable to metal parts coating conducted at emission units PAINT1 and RSPT2. Delphi shall keep on-site records of the "as applied" VOC content of each coating used in a format easily accessible to Department representatives for a period of five years. Each coating shall be sampled using Method 24 once during the duration of this permit to verify the "as applied" VOC content.

Work Practice Type: PARAMETER OF PROCESS MATERIAL

Process Material: EXTREME PERFORMANCE COATING - MISCELLANEOUS METAL

PARTS

Parameter Monitored: VOC CONTENT

Upper Limit of Monitoring: 3.5 pounds per gallon

Reference Test Method: Method 24 (40CFR60)

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Averaging Method: MAXIMUM - NOT TO EXCEED STATED VALUE -  
SEE MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR YEAR)

Reports due 30 days after every 6 calendar months (January - June, July - December)

**Condition 62: Compliance Certification**

**Effective between the dates of 05/03/2001 and 05/03/2006**

**Applicable Federal Requirement: 6NYCRR 212.4(c)**

**Item 62.1:**



**New York State Department of Environmental Conservation**

**Permit ID: 9-2909-00018/00498**

**Facility DEC ID: 9290900018**

The Compliance Certification activity will be performed for:

Emission Unit: P-APER1    Emission Point: 00101  
Process: PBS                      Emission Source: 00101

Regulated Contaminant:  
CAS No: 0NY075-00-0  
Name: PARTICULATES

**Item 62.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The facility will conduct monthly visual inspections of the cyclone collector and adjacent areas and perform routine and preventative maintenance as necessary to ensure continuing compliance with the particulate emission limit of 0.05gr/dscf. Records of all maintenance activities are to be kept on-site for a period of five years and made available to Department representatives on request.

Monitoring Frequency: MONTHLY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR YEAR)

Reports due 30 days after every 6 calendar months (January - June, July - December)

**Condition 63: Compliance Certification**

**Effective between the dates of 05/03/2001 and 05/03/2006**

**Applicable Federal Requirement: 6NYCRR 212.4(c)**

**Item 63.1:**

The Compliance Certification activity will be performed for:

Emission Unit: R-STPT2

Regulated Contaminant:  
CAS No: 0NY075-00-0  
Name: PARTICULATES

**Item 63.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Compliance with the particulate emission limit of .05 grains per dscf of exhaust gas for emissions from the



**New York State Department of Environmental Conservation**

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paint spraying operations associated emission points ORR73 and ORR74 will be demonstrated by maintenance of emission control equipment as follows:

1. Each week the baffles are cleaned and sludge removed.
2. Monthly all exhaust ducts, stacks, and blowers are inspected for dirt and paint accumulation and cleaned as necessary.

Records of all maintenance activity are to be maintained on-site and made available to Department representatives on request during normal business hours.

Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR YEAR)

Reports due 30 days after every 6 calendar months (January - June, July - December)

**Condition 64: Compliance Certification**  
**Effective between the dates of 05/03/2001 and 05/03/2006**

**0**

**Applicable Federal Requirement: 6NYCRR 231-2.6**

**Item 64.1:**

The Compliance Certification activity will be performed for:

Emission Unit: R-STPT2

Regulated Contaminant:

CAS No: 0NY998-00-0

Name: VOC

**Item 64.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Emission reduction credits in the amount of 47.6 tons of Volatile Organic Compounds (VOC) were established for reductions which occurred for:

- 1.) Decrease in operations for #3 paint line spraying operations associated with emission points ORR73 and ORR74 and the associated drying oven identified as emission points ORR75, ORR76, ORR77, RR153, RR152, RR153, and

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2.) The shut down of operations associated with paint line #1 and identified as emission points ORR31 and ORR33.

With the acceptance of the plantwide applicability limit, the credits shall only be available for offsets.

These credits were established in the November 12, 1996 letter from Doleski(DEC) to Harper(Delphi) along with special conditions for limiting VOC content and total emissions. However, the #3 line has since been dismantled . Therefore, the only special condition now associated with these emission reduction credits is that Delphi is prohibited from reactivating the #1 paint line and paint line #3.

1. The total annual allowable emissions of volatile organic compounds from the #3 paint line are limited to 8.7 tons during any rolling twelve month period.
2. The maximum permitted VOC content of the coatings used is limited to 3.5 pounds per gallon less water and excluded VOC.
3. A monthly log is to be maintained indicating the amount of coating used, the percentage VOC by weight, the "as applied" VOC content of each coating, the calculated monthly emission, and the total VOC emissions for the previous consecutive twelve month period.
4. Records are to be maintained on-site for a period of five years and made available to Department representatives on request. Access is to be granted to Department representatives during normal business hours for the purpose of determining compliance with these requirements.

Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR YEAR)

Reports due 30 days after every 6 calendar months (January - June, July - December)

**Condition 65: RACT analysis not required for emission points less than 3 lb/hr VOC or NOx**



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Permit ID: 9-2909-00018/00498

Facility DEC ID: 9290900018

**Effective between the dates of 05/03/2001 and 05/03/2006**

**Applicable Federal Requirement: 6NYCRR 212.10(c)(1)**

**Item 65.1:**

This Condition applies to Emission Unit: S-OLDR1

**Item 65.2:**

A reasonably available control technology (RACT) analysis is not required for emission points with nitrogen oxide and volatile organic compound emission rate potentials less than 3.0 pounds per hour at facilities located outside of the lower Orange County and New York City metropolitan areas.

**Condition 66: Compliance Certification**

**Effective between the dates of 05/03/2001 and 05/03/2006**

**Applicable Federal Requirement: 6NYCRR 212.4(c)**

**Item 66.1:**

The Compliance Certification activity will be performed for:

Emission Unit: T-HERM1

Regulated Contaminant:

CAS No: 0NY075-00-0

Name: PARTICULATES

**Item 66.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

In instances where determination of permissible emission rate using process weight is not applicable, and for an environmental rating of B or C, no person will cause or allow emissions of solid particulates that exceed 0.050 grains of particulate per cubic foot of exhaust gas, expressed at standard conditions on a dry gas basis.

Parameter Monitored: PARTICULATES

Upper Limit of Monitoring: 0.050 grains per dscf

Reference Test Method: EPA Method 5

Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

**Condition 67: Compliance Certification**



**New York State Department of Environmental Conservation**

**Permit ID: 9-2909-00018/00498**

**Facility DEC ID: 9290900018**

**Effective between the dates of 05/03/2001 and 05/03/2006**

**Applicable Federal Requirement: 6NYCRR 212.4(c)**

**Item 67.1:**

The Compliance Certification activity will be performed for:

Emission Unit: W-WTP01 Emission Point: WWT01

Regulated Contaminant:

CAS No: 0NY075-00-0

Name: PARTICULATES

**Item 67.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Pariculate emissions from the scrubber shall not exceed .05 grains/dscf. Emissions of oil mist and particulates were determined by a stack test performed during pilot testing of this emission source. Compliance to be maintained by routine weekly maintenance of the scrubber to consist of a visual inspection of the scrubber and trays. Sludge build-up is removed and clean trays installed. Dirty trays are hosed down and placed in a caustic cleaner to remove deposits and then in storage until needed. Differential pressure is monitored daily and if it exceeds the normal operating range, the inspection and maintenance program is initiated.

Records of weekly maintenance activity, daily pressure drop readings, visual observations, and calibration of differential pressure gauge are to be maintained on-site for a period of five years and made available to Department representatives during normal business hours on request.

Monitoring Frequency: WEEKLY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR YEAR)

Reports due 30 days after every 6 calendar months (January - June, July - December)

**Condition 68: Compliance Certification**

**Effective between the dates of 05/03/2001 and 05/03/2006**

**Applicable Federal Requirement: 6NYCRR 212.10(c)(4)(i)**

**Item 68.1:**

**New York State Department of Environmental Conservation**

**Permit ID: 9-2909-00018/00498**

**Facility DEC ID: 9290900018**



The Compliance Certification activity will be performed for:

Emission Unit: W-WTP01 Emission Point: WWT01

Regulated Contaminant:

CAS No: 0NY998-00-0

Name: VOC

**Item 68.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

This emission point, having an emission rate potential of volatile organic compounds (VOC) greater than 3 pounds per hour is subject to the Reasonably Available Control Technology (RACT) requirements of 6NYCRR, Part 212.10. The scrubber used to control emissions of volatile organic compounds must maintain a minimum of 81% overall removal efficiency in order to demonstrate RACT.

Based on manufacturer's data, the stated VOC control efficiency is 90%. Compliance is to be maintained by routine weekly maintenance of the scrubber to consist of a visual inspection of the emission point, scrubber, nozzles, and trays. Sludge build-up is removed and clean trays installed. Dirty trays are hosed down and placed in a caustic cleaner to remove deposits and then in storage until needed. Differential pressure is monitored and recorded daily and if it exceeds the normal operating range established during the stack test, the inspection and maintenance program is initiated.

Records of weekly maintenance activity, daily pressure drop readings, visual observations, and calibration of differential pressure gauge are to be maintained on-site for a period of five years and made available to Department representatives during normal business hours on request.

Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR YEAR)

Reports due 30 days after every 6 calendar months (January - June, July - December)



**STATE ONLY ENFORCEABLE CONDITIONS**  
**\*\*\*\* Facility Level \*\*\*\***

**Condition 69: Contaminant List**  
**Effective between the dates of 05/03/2001 and 05/03/2006**

**Applicable State Requirement: 6NYCRR 201-5.3(b)**

**Item 69.1:**

Emissions of the following contaminants are subject to contaminant specific requirements in this permit(emission limits, control requirements or compliance monitoring conditions).

CAS No: 0NY998-00-0  
Name: VOC

CAS No: 0NY075-00-0  
Name: PARTICULATES

CAS No: 0NY210-00-0  
Name: OXIDES OF NITROGEN

**Condition 70: Air pollution prohibited**  
**Effective between the dates of 05/03/2001 and 05/03/2006**

**Applicable State Requirement: 6NYCRR 211.2**

**Item 70.1:**

No person shall cause or allow emissions of air contaminants to the outdoor atmosphere of such quantity, characteristic or duration which are injurious to human, plant or animal life or to property, or which unreasonably interfere with the comfortable enjoyment of life or property. Notwithstanding the existence of specific air quality standards or emission limits, this prohibition applies, but is not limited to, any particulate, fume, gas, mist, odor, smoke, vapor, pollen, toxic or deleterious emission, either alone or in combination with others.

**Condition 71: Absbestos containing surface coatings prohibited**  
**Effective between the dates of 05/03/2001 and 05/03/2006**

**Applicable State Requirement: 6NYCRR 221.2**

**Item 71.1:**

No person shall engage in or allow surface coating by the spraying of asbestos or asbestos-containing materials.