



**New York State Department of Environmental Conservation
Permit Review Report**

Permit ID: 9-5620-00040/02002

Renewal Number: 1

Modification Number: 1 04/10/2013

Facility Identification Data

Name: API AIRTECH
Address: 91 NORTH ST
ARCADE, NY 14009

Owner/Firm

Name: API HEAT TRANSFER INC
Address: 2777 WALDEN AVE
BUFFALO, NY 14225, USA
Owner Classification: Corporation/Partnership

Permit Contacts

Division of Environmental Permits:
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BUFFALO, NY 14203-2915
Phone: 7168517165

Division of Air Resources:
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Air Permitting Contact:
Name: KARL ANDERSON
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91 NORTH ST - PO BOX 68
ARCADE, NY 14009-0068
Phone: 5854965755

**Permit Description
Introduction**

The Title V operating air permit is intended to be a document containing only enforceable terms and conditions as well as any additional information, such as the identification of emission units, emission points, emission sources and processes, that makes the terms meaningful. 40 CFR Part 70.7(a)(5) requires that each Title V permit have an accompanying "...statement that sets forth the legal and factual basis for the draft permit conditions". The purpose for this permit review report is to satisfy the above requirement by providing pertinent details regarding the permit/application data and permit conditions in a more easily understandable format. This report will also include background narrative and explanations of regulatory decisions made by the reviewer. It should be emphasized that this permit review report, while based on information contained in the permit, is a separate document and is not itself an enforceable term and condition of the permit.

Summary Description of Proposed Project

This project is the addition of a second batch vapor solvent degreaser. The new degreaser will use either trichloroethylene (TCE) or a trans-dichloroethylene and hydrofluorocarbon blend. The exhaust from the new degreaser will be combined with the exhaust from the existing degreaser. The stack for the existing degreaser will be extended to 15-feet above the roofline to ensure adequate dispersion. Use of TCE will



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subject the new degreaser to the applicable requirements of 40 CFR 63 Subpart T. Subpart T Section 63.463(b)(2) stipulates that an owner/operator must employ any one of 7 listed control combinations. The new degreaser will employ control combination 6, which includes the requirement for a freeboard refrigeration device, reduced room draft and a freeboard ratio of 1.0. The existing degreaser also uses control combination 6 to comply with section 63.463(b)(2).

Attainment Status

API AIRTECH is located in the town of ARCADE in the county of WYOMING. The attainment status for this location is provided below. (Areas classified as attainment are those that meet all ambient air quality standards for a designated criteria air pollutant.)

| Criteria Pollutant | Attainment Status |
|---------------------------------------------|-----------------------------------|
| Particulate Matter (PM) | ATTAINMENT |
| Particulate Matter < 10µ in diameter (PM10) | ATTAINMENT |
| Sulfur Dioxide (SO2) | ATTAINMENT |
| Ozone* | TRANSPORT REGION (NON-ATTAINMENT) |
| Oxides of Nitrogen (NOx)** | ATTAINMENT |
| Carbon Monoxide (CO) | ATTAINMENT |

* Ozone is regulated in terms of the emissions of volatile organic compounds (VOC) and/or oxides of nitrogen (NOx) which are ozone precursors.

** NOx has a separate ambient air quality standard in addition to being an ozone precursor.

Facility Description:

API Heat Transfer manufactures aluminum heat exchangers and aftercoolers. Production processes generally include cutting and forming the aluminum alloy stock fins, header bars, and face bars. The formes parts are cleaned, assembled, brazed, welded and painted. Processes include metal forming, parts cleaning, welding, brazing and powder coating. The primary SIC code for the facility is 3443 - Fabricated Plate Work (Boiler Shops).

Permit Structure and Description of Operations

The Title V permit for API AIRTECH is structured in terms of the following hierarchy: facility, emission unit, emission point, emission source and process. A facility is defined as all emission sources located at one or more adjacent or contiguous properties owned or operated by the same person or persons under common control. The facility is subdivided into one or more emission units (EU). Emission units are defined as any part or activity of a stationary facility that emits or has the potential to emit any federal or state regulated air pollutant. An emission unit is represented as a grouping of processes (defined as any activity involving one or more emission sources (ES) that emits or has the potential to emit any federal or state regulated air pollutant). An emission source is defined as any apparatus, contrivance or machine capable of causing emissions of any air contaminant to the outdoor atmosphere, including any appurtenant exhaust system or air cleaning device. [NOTE: Indirect sources of air contamination as defined in 6 NYCRR Part 203 (i.e. parking lots) are excluded from this definition]. The applicant is required to identify the principal piece of equipment (i.e., emission source) that directly results in or controls the emission of federal or state regulated air pollutants from an activity (i.e., process). Emission sources are categorized by the following types:



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combustion - devices which burn fuel to generate heat, steam or power
incinerator - devices which burn waste material for disposal
control - emission control devices
process - any device or contrivance which may emit air contaminants
that is not included in the above categories.

API AIRTECH is defined by the following emission unit(s):

Emission unit 100000 - Emission Unit 1-00000 includes two solvent vapor cleaning machines used to remove lubricating oils from internal fins, header bars and face bars. Each cleaning machine has an enclosure which extends above the solvent tank. The enclosure has a side access area with plastic strips used for taking manual temperature measurements from the tank. The enclosure has two additional equipment doors through which the parts enter the enclosure. There is a roll top cover over the tank which is closed during the idle and down mode. The two cleaning machines are located in an area that is partially enclosed to capture fugitive vapors from cleaned parts and during draining of the still and sump.

Emission unit 100000 is associated with the following emission points (EP):

10000

Process: 100 is located at Building 01 - Process 100 includes two batch solvent vapor cleaning machines using trichloroethylene. Each machine is required to satisfy the emission control requirements of 40CFR63 Subpart T. API Airtech controls the trichloroethylene emissions from the batch vapor solvent cleaning machine by employing Option 6 of the control combinations specified in Table 2 of 63.463(b)(2)(i). The controls include:

Freeboard ratio of 1.0;

Reduced room draft; and

Freeboard refrigeration device at a maximum temperature of 57 degrees F.

Due to the toxicity of trichloroethylene and the potential emissions from two cleaning machines operating simultaneously, API Airtech is required to prepare and implement a capture and control plan to reduce the impact of trichloroethylene to the environment. The use of additional controls such as carbon adsorption may be required under this operating scenario.

Process: 101 is located at Building 01 - Process 101 includes two batch solvent vapor cleaning machines using FluoSolv, a blend of trans-Dichloroethylene, hydrofluorocarbons and other fluorocarbons. Each machine is equipped with the following controls:

Freeboard ratio of 1.0;

Superheated vapor at a minimum temperature of 189 degrees F

Reduced room draft; and

Freeboard refrigeration device at a maximum temperature of 57 degrees F.

API Airtech is required to prepare and implement a capture and control plan to reduce the impact of the solvent emissions to the environment.



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Emission unit 200000 - Emission Unit 2-00000 includes two automated mig welding machines that use ER4043 aluminum gas metal arc electrodes to attach manifolds and fittings to heat exchanger cores. The contaminant at this emission point is PM-10 emissions. The exhaust is sent through torit filters and discharged back into the building.

Emission unit 200000 is associated with the following emission points (EP):
20000

Process: 200 is located at Building 01 - Process 200 includes two automated mig welding machines that use ER4043 aluminum gas metal arc electrodes to attach the manifolds and fittings to the heat exchanger cores. The exhaust is sent through torit filters and discharged back into the building.

Title V/Major Source Status

API AIRTECH is subject to Title V requirements. This determination is based on the following information:

API Heat Transfer is a major source of trichloroethylene.

Program Applicability

The following chart summarizes the applicability of API AIRTECH with regards to the principal air pollution regulatory programs:

| Regulatory Program | Applicability |
|--------------------------------|---------------|
| PSD | NO |
| NSR (non-attainment) | NO |
| NESHAP (40 CFR Part 61) | NO |
| NESHAP (MACT - 40 CFR Part 63) | YES |
| NSPS | NO |
| TITLE IV | NO |
| TITLE V | YES |
| TITLE VI | NO |
| RACT | YES |
| SIP | YES |

NOTES:

PSD Prevention of Significant Deterioration (40 CFR 52) - requirements which pertain to major stationary sources located in areas which are in attainment of National Ambient Air Quality Standards (NAAQS) for specified pollutants.

NSR New Source Review (6 NYCRR Part 231) - requirements which pertain to major stationary sources located in areas which are in non-attainment of National Ambient Air Quality Standards (NAAQS) for specified pollutants.



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NESHAP National Emission Standards for Hazardous Air Pollutants (40 CFR 61) - contaminant and source specific emission standards established prior to the Clean Air Act Amendments of 1990 (CAAA) which were developed for 9 air contaminants (inorganic arsenic, radon, benzene, vinyl chloride, asbestos, mercury, beryllium, radionuclides, and volatile HAP's).

MACT Maximum Achievable Control Technology (40 CFR 63) - contaminant and source specific emission standards established by the 1990 CAAA. Under Section 112 of the CAAA, the US EPA is required to develop and promulgate emissions standards for new and existing sources. The standards are to be based on the best demonstrated control technology and practices in the regulated industry, otherwise known as MACT. The corresponding regulations apply to specific source types and contaminants.

NSPS New Source Performance Standards (40 CFR 60) - standards of performance for specific stationary source categories developed by the US EPA under Section 111 of the CAAA. The standards apply only to those stationary sources which have been constructed or modified after the regulations have been proposed by publication in the Federal Register and only to the specific contaminant(s) listed in the regulation.

Title IV Acid Rain Control Program (40 CFR 72 thru 78) - regulations which mandate the implementation of the acid rain control program for large stationary combustion facilities.

Title VI Stratospheric Ozone Protection (40 CFR 82, Subparts A thru G) - federal requirements that apply to sources which use a minimum quantity of CFC's (chlorofluorocarbons), HCFC's (hydrofluorocarbons) or other ozone depleting substances or regulated substitute substances in equipment such as air conditioners, refrigeration equipment or motor vehicle air conditioners or appliances.

RACT Reasonably Available Control Technology (6 NYCRR Parts 212.10, 226, 227-2, 228, 229, 230, 232, 233, 234, 235, 236) - the lowest emission limit that a specific source is capable of meeting by application of control technology that is reasonably available, considering technological and economic feasibility. RACT is a control strategy used to limit emissions of VOC's and NOx for the purpose of attaining the air quality standard for ozone. The term as it is used in the above table refers to those state air pollution control regulations which specifically regulate VOC and NOx emissions.

SIP State Implementation Plan (40 CFR 52, Subpart HH) - as per the CAAA, all states are empowered and required to devise the specific combination of controls that, when implemented, will bring about attainment of ambient air quality standards established by the federal government and the individual state. This specific combination of measures is referred to as the SIP. The term here refers to those state regulations that are approved to be included in the SIP and thus are considered federally enforceable.

Compliance Status

Facility is in compliance with all requirements.

SIC Codes

SIC or Standard Industrial Classification code is an industrial code developed by the federal Office of Management and Budget for use, among other things, in the classification of establishments by the type of activity in which they are engaged. Each operating establishment is assigned an industry code on the basis of its primary activity, which is determined by its principal product or group of products produced or distributed, or services rendered. Larger facilities typically have more than one SIC code.

SIC Code

Description



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3443
3679

FABRICATED PLATE WORK (BOILER SHOPS)
ELECTRONIC COMPONENTS, NEC

SCC Codes

SCC or Source Classification Code is a code developed and used" by the USEPA to categorize processes which result in air emissions for the purpose of assessing emission factor information. Each SCC represents a unique process or function within a source category logically associated with a point of air pollution emissions. Any operation that causes air pollution can be represented by one or more SCC's.

SCC Code

Description

3-09-052-00

FABRICATED METAL PRODUCTS
FABRICATED METAL PRODUCTS - GAS METAL ARC
WELDING (GMAW)

4-01-002-55

GAS METAL ARC WELDING (GMAW): GENERAL
ORGANIC SOLVENT EVAPORATION
ORGANIC SOLVENT EVAPORATION - DEGREASING
TRICHLOROETHYLENE - GENERAL DEGREASING
UNITS

Facility Emissions Summary

In the following table, the CAS No. or Chemical Abstract Service code is an identifier assigned to every chemical compound. [NOTE: Certain CAS No.'s contain a 'NY' designation within them. These are not true CAS No.'s but rather an identification which has been developed by the department to identify groups of contaminants which ordinary CAS No.'s do not do. As an example, volatile organic compounds or VOC's are identified collectively by the NY CAS No. 0NY998-00-0.] The PTE refers to the Potential to Emit. This is defined as the maximum capacity of a facility or air contaminant source to emit any air contaminant under its physical and operational design. Any physical or operational limitation on the capacity of the facility or air contamination source to emit any air contaminant, including air pollution control equipment and/or restrictions on the hours of operation, or on the type or amount or material combusted, stored, or processed, shall be treated as part of the design only if the limitation is contained in federally enforceable permit conditions. The PTE Range represents an emission range for a contaminant. Any PTE quantity that is displayed represents a facility-wide emission cap or limitation for that contaminant. If no PTE quantity is displayed, the PTE Range is provided to indicate the approximate magnitude of facility-wide emissions for the specified contaminant in terms of tons per year (tpy). The term 'HAP' refers to any of the hazardous air pollutants listed in section 112(b) of the Clean Air Act Amendments of 1990. Total emissions of all hazardous air pollutants are listed under the special NY CAS No. 0NY100-00-0. In addition, each individual hazardous air pollutant is also listed under its own specific CAS No. and is identified in the list below by the (HAP) designation.

| Cas No. | Contaminant Name | PTE | |
|-------------|----------------------|------------|---------------|
| | | lbs/yr | Range |
| 000630-08-0 | CARBON MONOXIDE | >= 2.5 tpy | but < 10 tpy |
| 000156-60-5 | ETHENE, 1,2-DICHLORO | >= 10 tpy | but < 25 tpy |
| 0NY100-00-0 | HAP | >= 10 tpy | but < 25 tpy |
| 0NY210-00-0 | OXIDES OF NITROGEN | >= 2.5 tpy | but < 10 tpy |
| 0NY075-00-0 | PARTICULATES | > 0 | but < 2.5 tpy |
| 0NY075-00-5 | PM-10 | > 0 | but < 2.5 tpy |



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000079-01-6
0NY998-00-0

TRICHLOROETHYLENE
VOC

>= 10 tpy
>= 10 tpy but < 25
tpy

NOTIFICATION OF GENERAL PERMITTEE OBLIGATIONS

Item A: Emergency Defense - 6 NYCRR 201-1.5

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 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.

Item B: Public Access to Recordkeeping for Title V Facilities - 6 NYCRR 201-1.10(b)

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 6 NYCRR Part 616 - Public Access to records and Section 114(c) of the Act.

Item C: Timely Application for the Renewal of Title V Permits -6 NYCRR Part 201-6.3(a)(4)

Owners and/or operators of facilities having an issued Title V permit shall submit a complete application at least 180 days, but not more than eighteen months, prior to the date of permit expiration for permit renewal purposes.

Item D: Certification by a Responsible Official - 6 NYCRR Part 201-6.3(d)(12)

Any application, form, report or compliance certification required to be submitted pursuant to the federally enforceable portions of this permit shall contain a certification of truth, accuracy and completeness by a responsible official. This certification shall state that based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete.

Item E: Requirement to Comply With All Conditions - 6 NYCRR Part 201-6.5(a)(2)

The permittee must comply with all conditions of the Title V facility permit. Any permit



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non-compliance constitutes a violation of the Act and is grounds for enforcement action; for permit termination, revocation and reissuance, or modification; or for denial of a permit renewal application.

Item F: Permit Revocation, Modification, Reopening, Reissuance or Termination, and Associated Information Submission Requirements - 6 NYCRR Part 201-6.5(a)(3)

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 stay any permit condition.

Item G: Cessation or Reduction of Permitted Activity Not a Defense - 6 NYCRR 201-6.5(a)(5)

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.

Item H: Property Rights - 6 NYCRR 201-6.5(a)(6)

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

Item I: Severability - 6 NYCRR Part 201-6.5(a)(9)

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.

Item J: Permit Shield - 6 NYCRR Part 201-6.5(g)

All permittees granted a Title V facility permit shall be covered under the protection of a permit shield, except as provided under 6 NYCRR Subpart 201-6. 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;



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- 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.

Item K: Reopening for Cause - 6 NYCRR Part 201-6.5(i)

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.

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.

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.

Item L: Permit Exclusion - ECL 19-0305

The issuance of this permit by the Department and the receipt thereof by the Applicant does not and shall not be construed as barring, diminishing, adjudicating or in any way affecting any legal, administrative or equitable rights or claims, actions, suits, causes of action or demands whatsoever that the Department may have against the Applicant for violations based on facts and circumstances alleged to have occurred or existed prior to the effective date of this permit, including, but not limited to, any enforcement action authorized pursuant to the provisions of applicable federal law, the Environmental Conservation Law of the State of New York (ECL) and Chapter III of the Official Compilation of the Codes, Rules and Regulations of the State of New York (NYCRR). The issuance of this permit also shall not in any way affect pending or future enforcement actions under the Clean Air Act brought by the United States or any person.

Item M: Federally Enforceable Requirements - 40 CFR 70.6(b)

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



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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.

NOTIFICATION OF GENERAL PERMITTEE OBLIGATIONS

**Item A: General Provisions for State Enforceable Permit Terms and Condition - 6
 NYCRR Part 201-5**

Any person who owns and/or operates stationary sources shall operate and maintain all emission units and any required emission control devices in compliance with all applicable Parts of this Chapter and existing laws, and shall operate the facility in accordance with all criteria, emission limits, terms, conditions, and standards in this permit. Failure of such person to properly operate and maintain the effectiveness of such emission units and emission control devices may be sufficient reason for the Department to revoke or deny a permit.

The owner or operator of the permitted facility 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 regulated by this Subpart, 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.

Regulatory Analysis

| Location Facility/EU/EP/Process/ES | Regulation | Condition | Short Description |
|---------------------------------------|--------------------------|------------|---------------------------------------------------------------------------------------------|
| -- FACILITY | ECL 19-0301 | 47 | Powers and Duties of the Department with respect to air pollution control |
| 1-00000/-/100 | 40CFR 63-T.460(a) | 1 -3 | |
| 1-00000/-/100 | 40CFR 63-T.460(b) | 1 -4 | |
| 1-00000/-/100 | 40CFR 63-T.463 | 1 -5, 1 -6 | Subpart T- Batch vapor and in-line machines: control combinations and idling emission limit |
| 1-00000/-/100 | 40CFR 63-T.463(b)(2)(i) | 1 -7 | |
| 1-00000/-/100 | 40CFR 63-T.463(d) | 1 -8 | |
| 1-00000/-/100 | 40CFR 63-T.463(e)(2)(i) | 1 -9 | |
| 1-00000/-/100 | 40CFR 63-T.463(e)(2)(ii) | 1 -10 | |
| 1-00000/-/100 | 40CFR 63-T.465(e) | 1 -11 | Subpart T- Test methods |
| 1-00000/-/100 | 40CFR 63-T.466(c) | 1 -12 | Subpart T- Monitoring procedures |
| 1-00000/-/100 | 40CFR 63-T.467(a) | 1 -13 | Subpart T- Recordkeeping requirements |
| 1-00000/-/100 | 40CFR 63-T.467(b) | 1 -14 | Subpart T- Recordkeeping requirements |



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| 1-00000/-/100 | 40CFR 63-T.468(f) | 1 | -15 | Subpart T- Reporting requirements |
| 1-00000/-/100 | 40CFR 63-T.468(h) | 1 | -16 | Subpart T- Reporting requirements |
| 1-00000/-/100 | 40CFR 63-T.468(i) | 1 | -17 | Subpart T- Reporting requirements |
| 1-00000/-/100 | 40CFR 63-T.471(b)(1) | 1 | -18 | Log of Solvent Additions and Deletions |
| 1-00000/-/100 | 40CFR 63-T.471(b)(2) | 1 | -19 | Facility Wide Solvent Emission Limits |
| 1-00000/-/100 | 40CFR 63-T.471(c) | 1 | -20, 1 -21 | Demonstration of Compliance With Facility Wide Solvent Emission Limit |
| 1-00000/-/100 | 40CFR 63-T.471(e) | 1 | -22 | Recordkeeping |
| 1-00000/-/100 | 40CFR 63-T.471(h) | 1 | -23 | Reporting of Solvent Emissions |
| FACILITY | 40CFR 68 | 19 | | Chemical accident prevention provisions |
| FACILITY | 40CFR 82-F | 20 | | Protection of Stratospheric Ozone - recycling and emissions reduction |
| FACILITY | 6NYCRR 200.6 | 1 | | Acceptable ambient air quality. |
| FACILITY | 6NYCRR 200.7 | 9 | | Maintenance of equipment. |
| FACILITY | 6NYCRR 201-1.4 | 48 | | Unavoidable noncompliance and violations |
| FACILITY | 6NYCRR 201-1.7 | 10 | | Recycling and Salvage |
| FACILITY | 6NYCRR 201-1.8 | 11 | | Prohibition of reintroduction of collected contaminants to the air |
| FACILITY | 6NYCRR 201-3.2(a) | 12 | | Exempt Activities - Proof of eligibility |
| FACILITY | 6NYCRR 201-3.3(a) | 13 | | Trivial Activities - proof of eligibility |
| FACILITY | 6NYCRR 201-6 | 21, 24, 25 | | Title V Permits and the Associated Permit Conditions |
| FACILITY | 6NYCRR 201-6.5(a)(4) | 14 | | General conditions |
| FACILITY | 6NYCRR 201-6.5(a)(7) | 2 | | General conditions Fees |
| FACILITY | 6NYCRR 201-6.5(a)(8) | 15 | | General conditions |
| FACILITY | 6NYCRR 201-6.5(c) | 3 | | Permit conditions for Recordkeeping and Reporting of Compliance Monitoring |
| FACILITY | 6NYCRR 201-6.5(c)(2) | 4 | | Permit conditions for Recordkeeping and Reporting of Compliance Monitoring |
| FACILITY | 6NYCRR 201-6.5(c)(3)(ii) | 5 | | Permit conditions for Recordkeeping and Reporting of Compliance Monitoring |
| FACILITY | 6NYCRR 201-6.5(d)(5) | 16 | | Compliance schedules |
| FACILITY | 6NYCRR 201-6.5(e) | 22 | | Compliance Certification |
| FACILITY | 6NYCRR 201-6.5(f)(6) | 17 | | Off Permit Changes |
| FACILITY | 6NYCRR 202-1.1 | 18 | | Required emissions |



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| FACILITY | 6NYCRR 202-2.1 | 6 | tests. |
| FACILITY | 6NYCRR 202-2.5 | 7 | Emission Statements - Applicability |
| FACILITY | 6NYCRR 211.1 | 23 | Emission Statements - record keeping requirements. |
| FACILITY | 6NYCRR 211.2 | 49 | General Prohibitions - air pollution prohibited |
| FACILITY | 6NYCRR 212 | 1 -2 | General Prohibitions - visible emissions limited. |
| FACILITY | 6NYCRR 215.2 | 8 | General Process Emission Sources Open Fires - Prohibitions |
| 1-00000/-/101 | 6NYCRR 226 | 1 -24 | SOLVENT METAL CLEANING PROCESSES |

Applicability Discussion:

Mandatory Requirements: The following facility-wide regulations are included in all Title V permits:

ECL 19-0301

This section of the Environmental Conservation Law establishes the powers and duties assigned to the Department with regard to administering the air pollution control program for New York State.

6 NYCRR 200.6

Acceptable ambient air quality - prohibits contravention of ambient air quality standards without mitigating measures

6 NYCRR 200.7

Anyone owning or operating an air contamination source which is equipped with an emission control device must operate the control consistent with ordinary and necessary practices, standards and procedures, as per manufacturer's specifications and keep it in a satisfactory state of maintenance and repair so that it operates effectively

6 NYCRR 201-1.4

This regulation specifies the actions and recordkeeping and reporting requirements for any violation of an applicable state enforceable emission standard that results from a necessary scheduled equipment maintenance, start-up, shutdown, malfunction or upset in the event that these are unavoidable.

6 NYCRR 201-1.7

Requires the recycle and salvage of collected air contaminants where practical

6 NYCRR 201-1.8

Prohibits the reintroduction of collected air contaminants to the outside air

6 NYCRR 201-3.2 (a)

An owner and/or operator of an exempt emission source or unit may be required to certify that it operates within the specific criteria described in this Subpart. All required records must be maintained on-site for a period of 5 years and made available to department representatives upon request. In addition, department representatives must be granted access to any facility which contains exempt emission sources or units, 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.



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6 NYCRR 201-3.3 (a)

The owner and/or operator of a trivial emission source or unit may be required to certify that it operates within the specific criteria described in this Subpart. All required records must be maintained on-site for a period of 5 years and made available to department representatives upon request. In addition, department representatives must be granted access to any facility which contains trivial emission sources or units subject to this Subpart, 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.

6 NYCRR Subpart 201-6

This regulation applies to those terms and conditions which are subject to Title V permitting. It establishes the applicability criteria for Title V permits, the information to be included in all Title V permit applications as well as the permit content and terms of permit issuance. This rule also specifies the compliance, monitoring, recordkeeping, reporting, fee, and procedural requirements that need to be met to obtain a Title V permit, modify the permit and demonstrate conformity with applicable requirements as listed in the Title V permit. For permitting purposes, this rule specifies the need to identify and describe all emission units, processes and products in the permit application as well as providing the Department the authority to include this and any other information that it deems necessary to determine the compliance status of the facility.

6 NYCRR 201-6.5 (a) (4)

This mandatory requirement applies to all Title V facilities. It requires the permittee to provide information that the Department may request in writing, within a reasonable time, in order to determine whether cause exists for modifying, revoking and reissuing, or terminating the permit or to determine compliance with the permit. The request may include copies of records required to be kept by the permit.

6 NYCRR 201-6.5 (a) (7)

This is a mandatory condition that requires the owner or operator of a facility subject to Title V requirements to pay all applicable fees associated with the emissions from their facility.

6 NYCRR 201-6.5 (a) (8)

This is a mandatory condition for all facilities subject to Title V requirements. It allows the Department to inspect the facility to determine compliance with this permit, including copying records, sampling and monitoring, as necessary.

6 NYCRR 201-6.5 (c)

This requirement specifies, in general terms, what information must be contained in any required compliance monitoring records and reports. This includes the date, time and place of any sampling, measurements and analyses; who performed the analyses; analytical techniques and methods used as well as any required QA/QC procedures; results of the analyses; the operating conditions at the time of sampling or measurement and the identification of any permit deviations. All such reports must also be certified by the designated responsible official of the facility.

6 NYCRR 201-6.5 (c) (2)

This requirement specifies that all compliance monitoring and recordkeeping is to be conducted according to the terms and conditions of the permit and follow all QA requirements found in applicable regulations. It also requires monitoring records and supporting information to be retained for at least 5 years from the time of sampling, measurement, report or application. Support information is defined as including all calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation, and copies of all reports required by the permit.

6 NYCRR 201-6.5 (c) (3) (ii)



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This regulation specifies any reporting requirements incorporated into the permit must include provisions regarding the notification and reporting of permit deviations and incidences of noncompliance stating the probable cause of such deviations, and any corrective actions or preventive measures taken.

6 NYCRR 201-6.5 (d) (5)

This condition applies to every Title V facility subject to a compliance schedule. It requires that reports, detailing the status of progress on achieving compliance with emission standards, be submitted semiannually.

6 NYCRR 201-6.5 (e)

Sets forth the general requirements for compliance certification content; specifies an annual submittal frequency; and identifies the EPA and appropriate regional office address where the reports are to be sent.

6 NYCRR 201-6.5 (f) (6)

This condition allows changes to be made at the facility, without modifying the permit, provided the changes do not cause an emission limit contained in this permit to be exceeded. The owner or operator of the facility must notify the Department of the change. It is applicable to all Title V permits which may be subject to an off permit change.

6 NYCRR 202-1.1

This regulation allows the department the discretion to require an emission test for the purpose of determining compliance. Furthermore, the cost of the test, including the preparation of the report are to be borne by the owner/operator of the source.

6 NYCRR 202-2.1

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

6 NYCRR 202-2.5

This rule specifies that each facility required to submit an emission statement must retain a copy of the statement and supporting documentation for at least 5 years and must make the information available to department representatives.

6 NYCRR 211.2

This regulation limits opacity from sources to less than or equal to 20 percent (six minute average) except for one continuous six-minute period per hour of not more than 57 percent opacity.

6 NYCRR 215.2

Except as allowed by section 215.3 of 6 NYCRR Part 215, no person shall burn, cause, suffer, allow or permit the burning of any materials in an open fire.

40 CFR Part 68

This Part lists the regulated substances and their applicability thresholds and sets the requirements for stationary sources concerning the prevention of accidental releases of these substances.

40 CFR Part 82, Subpart F

Subpart F requires the reduction of emissions of class I and class II refrigerants to the lowest achievable level during the service, maintenance, repair, and disposal of appliances in accordance with section 608 of the Clean Air Act Amendments of 1990. This subpart applies to any person servicing, maintaining, or repairing appliances except for motor vehicle air conditioners. It also applies to persons disposing of appliances, including motor vehicle air conditioners, refrigerant reclaimers, appliance owners, and



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manufacturers of appliances and recycling and recovery equipment. Those individuals, operations, or activities affected by this rule, may be required to comply with specified disposal, recycling, or recovery practices, leak repair practices, recordkeeping and/or technician certification requirements.

Facility Specific Requirements

In addition to Title V, API AIRTECH has been determined to be subject to the following regulations:

40 CFR 63.460 (a)

This reference lists the type of degreaser units which are subject to the requirements in Subpart T if they use any of the six specific solvents listed with a concentration of at least 5 % by weight.

40 CFR 63.460 (b)

This reference states that degreaser units subject to Subpart T must meet the appropriate general requirements listed in Subpart A.

40 CFR 63.463

This regulation outlines the control requirements for owner or operators of batch vapor and in-line cleaning machines. Among the requirements are when and how the machine is to be covered; the freeboard ratio of the cleaning tank, the need and specifications of vapor control devices and emission limits for the machines.

40 CFR 63.463 (b) (2) (i)

This reference lists the seven control equipment options for batch vapor solvent cleaning machines with an opening greater than 13 square feet. However, other equivalent methods of control can be established.

40 CFR 63.463 (d)

This reference is the heading to all of the required work and operational practices that existing and new in-line and batch vapor solvent cleaning machines must meet.

40 CFR 63.463 (e) (2) (i)

This reference provides the freeboard refrigeration device standards that must be met during each monitoring period.

40 CFR 63.463 (e) (2) (ii)

This reference provides the reduced room draft standards that must be met during each monitoring period. Also, the operating conditions which are used to meet the reduced room draft standard must be maintained continuously.

40 CFR 63.465 (e)

This subdivision provides the procedure for determining the maximum possible HAP emissions, based on solvent emissions at the current rate of operation, from the facility on a yearly basis.



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40 CFR 63.466 (c)

This regulation requires the owner or operator of a batch vapor or in-line solvent cleaning machine to monitor the hoist speeds of the machine during operation.

40 CFR 63.467 (a)

This reference requires specific records to be kept, for solvent cleaning machines subject to this section, for the lifetime of the machine.

40 CFR 63.467 (b)

This reference requires specific records to be kept, for solvent cleaning machines subject to this section, for a period of five years.

40 CFR 63.468 (f)

This reference provides the annual report requirements for batch vapor and in-line solvent cleaning machines which are subject to this subdivision (i.e., complying with the provisions in section 63.463). Each annual report must be submitted by February 1.

40 CFR 63.468 (h)

This reference provides the exceedance report requirements for batch vapor and in-line solvent cleaning machines. An exceedance report must be submitted to the EPA on a semiannual basis, unless the EPA determines that more frequent reporting is needed or if an exceedance has occurred. If an exceedance occurs, the reporting frequency will be changed to quarterly.

40 CFR 63.468 (i)

This reference provides the conditions that must be met in order to change the exceedance reporting frequency from quarterly, or more frequent as determined by the EPA, back to semiannually.

40 CFR 63.471 (b) (1)

States that a log must be maintained of addition and deletions of solvent from solvent cleaning machines.

40 CFR 63.471 (b) (2)

Sets total emission limits for facility wide emissions of perchloroethylene, trichloroethylene and methylene chloride.

40 CFR 63.471 (c)

Specifies procedures to demonstrate compliance with facility wide solvent emission rate.



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40 CFR 63.471 (e)

Specifies recordkeeping requirements for solvent cleaning machines.

40 CFR 63.471 (h)

Sets requirements for solvent emission report.

6 NYCRR 211.1

§211.1 Air pollution prohibited

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.

6 NYCRR Part 212

6 NYCRR Part 226

This regulation specifies the general requirements, equipment specifications and operating requirements for open-top vapor, conveyORIZED and cold cleaning degreasers.

Non Applicability Analysis

List of non-applicable rules and regulations:

| Location Facility/EU/EP/Process/ES | Regulation | Short Description |
|-----------------------------------------------|-----------------------------------|---------------------------------------------------------------|
| FACILITY | 40 CFR Part 63, Subpart XXXXXX | Nine Metal Fabrication and Finishing Area Source NESHAP |

Reason: API Heat Transfer is not subject to 40 CFR 63 Subpart XXXXXX - National Emission Standards for Hazardous Air Pollutants Area Source Standards for Nine Metal Fabrication and Finishing Source Categories.



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NOTE: Non-applicability determinations are cited as a permit condition under 6 NYCRR Part 201-6.4(g). This information is optional and provided only if the applicant is seeking to obtain formal confirmation, within an issued Title V permit, that specified activities are not subject to the listed federal applicable or state only requirement. The applicant is seeking to obtain verification that a requirement does not apply for the stated reason(s) and the Department has agreed to include the non-applicability determination in the issued Title V permit which in turn provides a shield against any potential enforcement action.

Compliance Certification

Summary of monitoring activities at API AIRTECH:

| Location Facility/EU/EP/Process/ES | Cond No. | Type of Monitoring |
|-----------------------------------------------|-----------------|-----------------------------------------------------------------|
| ----- | | |
| --- | | |
| 1-00000/-/100 | 1-3 | record keeping/maintenance procedures |
| 1-00000/-/100 | 1-7 | monitoring of process or control device parameters as surrogate |
| 1-00000/-/100 | 1-8 | record keeping/maintenance procedures |
| 1-00000/-/100 | 1-9 | monitoring of process or control device parameters as surrogate |
| 1-00000/-/100 | 1-10 | monitoring of process or control device parameters as surrogate |
| 1-00000/-/100 | 1-11 | record keeping/maintenance procedures |
| 1-00000/-/100 | 1-12 | work practice involving specific operations |
| 1-00000/-/100 | 1-13 | record keeping/maintenance procedures |
| 1-00000/-/100 | 1-14 | record keeping/maintenance procedures |
| 1-00000/-/100 | 1-15 | record keeping/maintenance procedures |
| 1-00000/-/100 | 1-16 | record keeping/maintenance procedures |
| 1-00000/-/100 | 1-18 | record keeping/maintenance procedures |
| 1-00000/-/100 | 1-19 | monitoring of process or control device parameters as surrogate |
| 1-00000/-/100 | 1-20 | record keeping/maintenance procedures |
| 1-00000/-/100 | 1-21 | record keeping/maintenance procedures |
| 1-00000/-/100 | 1-22 | record keeping/maintenance procedures |
| 1-00000/-/100 | 1-23 | record keeping/maintenance procedures |
| FACILITY | 5 | record keeping/maintenance procedures |
| FACILITY | 22 | record keeping/maintenance procedures |
| FACILITY | 6 | record keeping/maintenance procedures |
| FACILITY | 1-2 | record keeping/maintenance procedures |
| 1-00000/-/101 | 1-24 | record keeping/maintenance procedures |

Basis for Monitoring

- (1) The existing and new cleaning machines are required to satisfy the emission control requirements of 40CFR63 Subpart T for TCE emissions. API controls the TCE emissions from the batch vapor solvent cleaning machines by employing Option 6 of the control combinations specified in Table 2 of 63.463(b)(2)(i). The



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- controls include: (1) Freeboard ratio of 1.0; (2) Reduced room draft; and (3) Freeboard refrigeration device at a maximum temperature of 57 degrees F.
- (2) The existing and new cleaning machines are required to satisfy the emission control requirements of 6NYCRR Part 226 for the FluoSolv® emissions.