

New York State Department of Environmental Conservation

Permit Review Report

Permit ID: 8-5430-00017/00092 Renewal Number: 1



09/20/2007

Facility Identification Data

Name: PLIANT CORPORATION
Address: 200 EAST MAIN ST
MACEDON, NY 14502

Owner/Firm

Name: PLIANT CORP
Address: 1515 WOODFIELD RD - SUITE 600
SCHAUMBURG, IL 60173, USA
Owner Classification: Corporation/Partnership

Permit Contacts

Division of Environmental Permits:
Name: ROGER T MCDONOUGH
Address: 6274 EAST AVON LIMA RD
AVON, NY 14414-9519

Division of Air Resources:
Name: MICHAEL S WHEELER
Address: NYS DEC
6274 E AVON-LIMA RD
AVON, NY 14414
Phone:5852262466

Air Permitting Contact:
Name: GORDON PICKERING
Address: PLIANT CORP
200 EAST MAIN ST
MACEDON, NY 14502
Phone:3159866047

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

Application for renewal of Air Title V Facility; addition of a new lamination process (004) in unit A-

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DHEAS; addition of a 10-color printing press and an 8-color printing press, process 002 in unit H-PRINT; and the addition of two new printing plate production sources, process 001 in unit P-LATES.

Attainment Status

PLIANT CORPORATION is located in the town of MACEDON in the county of WAYNE.

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

POLYETHYLENE EXTRUSION, FLEXOGRAPHIC PRINTING, AND BAG FORMING AND SEALING OPERATION.

Permit Structure and Description of Operations

The Title V permit for PLIANT CORPORATION 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,

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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:

- 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.

PLIANT CORPORATION is defined by the following emission unit(s):

Emission unit ADHEAS - TWO (2) OUTBOARD GRAVURE COATING DECKS IN LINE WITH PRINTING EQUIPMENT AND ONE (1) FILM LAMINATION PROCESS (E-BEAM). BOTH COATING DECKS EXHAUST THROUGH INDIVIDUAL HOT AIR DRYERS TO TWO (2) SEPARATE EMISSION POINTS. APPLICATION IS COMPLIANT ADHESIVE. THE E-BEAM PROCESS EXHAUSTS THROUGH A HOT AIR DRYER TO AN INDIVIDUAL EMISSION POINT.

Emission unit ADHEAS is associated with the following emission points (EP): EBPT1, H561B, H562B

It is further defined by the following process(es):

Process: 004 is located at Building 26 - GRAVURE COATING AND E-BEAM LAMINATION OPERATIONS. LIQUID COATINGS ARE APPLIED TO PLASTIC FILMS AND DRYED USING HOT AIR DRYERS. COATINGS HAVE LESS THAN 2.9 LBS VOC PER GALLON MINUS WATER AND EXEMPT VOC.

Emission unit HPRINT - ONE (1) TEN COLOR, FIVE (5) EIGHT COLOR, FIVE (5) SIX COLOR, EIGHT (8) FOUR COLOR, AND ONE (1) TWO COLOR FLEXOGRAPHIC PRINTING PRESSES ALL EXHAUSTING THROUGH INDIVIDUAL HOT AIR DRYERS. ALL OF THE DRYERS EXHAUST THROUGH ONE OF FOUR CATALYTIC AFTER BURNERS. AFTER BURNER NUMBER 1, MF563, SERVICES ONE (1) EIGHT COLOR PRESS LINE 563. AFTERBURNER NUMBER 1, MF563, SERVICES TWO EIGHT COLOR PRESSES - LINES 563 AND PP002. AFTERBURNER NUMBER 2, H562A, SERVICES FIVE (5) SIX COLOR PRESSES LINES 520, 521, 529, 561, AND 562. H562A ALSO SERVICES ONE (1) FOUR COLOR PRESS LINE 523. AFTERBURNER NUMBER 3, HP560, SERVICES THREE (3) EIGHT COLOR PRESSES, LINES 522, 525 AND 526, SEVEN (7) FOUR COLOR PRESSES LINES 524, 560, 552A, 552B, 553A, 553B AND 557B, AND ONE (1) TWO COLOR PRESS LINE 555A. AFTERBURNER NUMBER 4, OX001 SERVICES ONE TEN COLOR PRESS, LINE/SOURCE PP001.

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

EP001, EP004, H5621, H5622, HP560, MF563

It is further defined by the following process(es):

Process: 002 is located at 1, Building 18 - FLEXOGRAPHIC PRINTING OPERATIONS. FLUID INKS ARE APPLIED TO PLASTIC FILM SUBSTRATE AND DRYED USING HOT AIR DRYERS. PRINTING OCCURS IN BUILDINGS 18, 19, 25, AND 26.

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Emission unit HTREAT - EIGHT (8) ELECTROSTATIC DISCHARGE FILM TREATERS. THE TREATERS MAKE THE POLYETHYLENE SUBSTRATE PRINTABLE.

Emission unit HTREAT is associated with the following emission points (EP): EP005, M511D, M518A, MF035, MF036, MF515

It is further defined by the following process(es):

Process: 003 is located at 1, Building 14 - ELECTROSTATIC SURFACE TREATMENT OF POLYETHYLENE FILM WHICH INCREASES THE SURFACE TENSION ENERGY TO MAKE IT PRINTABLE. THE POLYETHYLENE FILM IS TRANSPORTED INTO A TREATMENT STATION WHERE IT IS SUPPORTED ON A DIELECTRIC COVERED ROLL AND A CORONA IS IMPINGED ONTO THE SURFACE OF THE FILM. AN ELECTRONIC POWER CONVERTER CREATES HIGH FREQUENCY (9,600 HERTZ) HIGH VOLTAGE (10,000V) FROM INDUSTRIAL POWER TO CREATE THE CORONA DISCHARGE. A BY-PRODUCT OF THE CORONA DISCHARGE IS OZONE.

PROCESS OCCURS IN BUILDINGS 14, 20A, 26, AND 18.

Emission unit INKMIX - TWO (2) INK MIXING ROOMS, ONE (1) INK PAIL WASHING ROOM (4) ALCOHOL STORAGE TANKS

Emission unit INKMIX is associated with the following emission points (EP): MF006, MF200

It is further defined by the following process(es):

Process: 006 is located at 1, Building 18 - WASHING OF SOILED INK PAILS.

Process: 007 is located at 1, Building OUTSIDE - STORAGE OF POLYAMIDE (SOLVENT BASE) INKS AND SOLVENTS. (PROPANOL STORED IN FOUR (4) UNDERGROUND STORAGE TANKS WITH VOLUME OF 4,000 GALLONS EACH.)

Emission unit PLATES - FLEXOGRAPHIC PLATE MANUFACTURING AREA.

Emission unit PLATES is associated with the following emission points (EP): EP002, EP003, MF039

It is further defined by the following process(es):

Process: 001 is located at 1, Building 27 - PRODUCTION OF PRINTING PLATES FOR USE ON FLEXOGRAPHIC PRINTING PRESSES.

Title V/Major Source Status

PLIANT CORPORATION is subject to Title V requirements. This determination is based on the following information:

VOC emissions from polyethylene extrusion, flexographic printing, and bag forming/sealing operations exceed the 50 tons per year Title V major source threshold.

Program Applicability

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

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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.

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

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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
2673	BAGS: PLASTICS, LAMINATED AND COATED
3081	UNSUPPORTED PLASTICS FILM AND SHEET

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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
4-01-003-35	ORGANIC SOLVENT EVAPORATION COLD SOLVENT CLEANING/STRIPPING Entire Unit
4-90-002-01	ORGANIC SOLVENT EVAPORATION ORGANIC SOLVENT EVAPORATION WASTE SOLVENT RECOVERY OPERATIONS Storage Tank Vent
4-05-003-01	PRINTING/PUBLISHING PRINTING/PUBLISHING - GENERAL PRINTING - FLEXOGRAPHIC
4-05-003-11	PRINTING/PUBLISHING PRINTING/PUBLISHING - GENERAL PRINTING - FLOXOGRAPHIC
4-02-013-01	SURFACE COATING OPERATIONS SURFACE COATING OPERATIONS - PAPER COATING Coating Operation

Facility Emissions Summary

In the following table, the CAS No. or Chemical Abstract Series 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

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000126-99-8	1,3-BUTADIENE, 2-CHLORO- (HAP)	> 0 but < 10 tpy
000123-91-1	1,4-DIETHYLENE DIOXIDE (HAP)	> 0 but < 10 tpy
000075-07-0	ACETALDEHYDE (HAP)	> 0 but < 10 tpy
000109-60-4	ACETIC ACID PROPYL ESTER	>= 25 tpy but < 40 tpy
090438-79-2	ACETIC ACID, C6-8 BRANCHED ALKYL ESTERS	>= 2.5 tpy but < 10 tpy
070914-20-4	ALCOHOLS, C6-8 BRANCHED	> 0 but < 2.5 tpy
000630-08-0	CARBON MONOXIDE	>= 50 tpy but < 100 tpy
000141-78-6	ETHYL ACETATE	> 0 but < 2.5 tpy
000064-17-5	ETHYL ALCOHOL (ETHANOL)	>= 100 tpy but < 250 tpy
000100-41-4	ETHYLBENZENE (HAP)	> 0 but < 10 tpy
000075-21-8	ETHYLENE OXIDE (HAP)	> 0 but < 10 tpy
000050-00-0	FORMALDEHYDE (HAP)	> 0 but < 10 tpy
0NY100-00-0	HAP	>= 2.5 tpy but < 10 tpy
068476-39-1	HYDROCARBONS, ALIPH-AROM-C4-5 OLEFINIC	>= 10 tpy but < 25 tpy
000108-21-4	ISOPROPYL ACETATE	>= 25 tpy but < 40 tpy
000067-63-0	ISOPROPYL ALCOHOL	> 0 but < 10 tpy
000067-56-1	METHYL ALCOHOL (HAP)	>= 100 tpy but < 250 tpy
000142-82-5	N-HEPTANE	>= 10 tpy but < 25 tpy
0NY210-00-0	OXIDES OF NITROGEN	> 0 but < 2.5 tpy
010028-15-6	OZONE	>= 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
025322-68-3	POLYETHYLENE GLYCOL	> 0 but < 2.5 tpy
000075-56-9	PROPANE, 1,2-EPOXY- (HAP)	> 0 but < 10 tpy
000071-23-8	PROPANOL	>= 250 tpy
000107-13-1	PROPENENITRILE (HAP)	> 0 but < 10 tpy
007446-09-5	SULFUR DIOXIDE	> 0 but < 2.5 tpy
0NY998-00-0	VOC	>= 250 tpy
001330-20-7	XYLENE, M, O & P MIXT. (HAP)	> 0 but < 10 tpy

NOTIFICATION OF GENERAL PERMITTEE OBLIGATIONS

Item A: Emergency Defense - 6NYCRR Part 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

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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 - 6NYCRR Part 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 6NYCRR 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 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)

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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 - 6NYCRR Part 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 Part 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

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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.

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.

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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 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.

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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	Short Description	Condition
FACILITY	ECL 19-0301	Powers and Duties of the Department with respect to air pollution control	69
FACILITY	40CFR 63-KK.820(a)(2)	Printing and Publishing NESHAP-applicability	26
FACILITY	40CFR 68	Chemical accident prevention provisions	21
FACILITY	40CFR 82-F	Protection of Stratospheric Ozone - recycling and emissions reduction	22
FACILITY	6NYCRR 200.6	Acceptable ambient air quality.	1
FACILITY	6NYCRR 200.7	Maintenance of equipment.	10
FACILITY	6NYCRR 201-1.4	Unavoidable noncompliance and violations	70
FACILITY	6NYCRR 201-1.7	Recycling and Salvage	11
FACILITY	6NYCRR 201-1.8	Prohibition of reintroduction of collected contaminants to the air	12
FACILITY	6NYCRR 201-3.2(a)	Exempt Activities - Proof of eligibility	13
FACILITY	6NYCRR 201-3.3(a)	Trivial Activities - proof of eligibility	14
FACILITY	6NYCRR 201-6	Title V Permits and the Associated Permit Conditions	23, 27, 28
FACILITY	6NYCRR 201-6.5(a)(4)	General conditions	15
FACILITY	6NYCRR 201-6.5(a)(7)	General conditions	15
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Applicability Discussion:

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

ECL 19-301.

This section of the Environmental Conservation Law establishes the powers and duties

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assigned to the Department with regard to administering the air pollution control program for New York State.

6NYCRR Part 200-.6

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

6NYCRR Part 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

6NYCRR Part 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.

6NYCRR Part 201-1.7

Requires the recycle and salvage of collected air contaminants where practical

6NYCRR Part 201-1.8

Prohibits the reintroduction of collected air contaminants to the outside air

6NYCRR Part 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.

6NYCRR Part 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

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pollution control requirements, regulations, or law.

6NYCRR Part 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.

6NYCRR 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.

6NYCRR 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.

6NYCRR 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.

6NYCRR Part 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.

6NYCRR Part 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

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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.

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

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.

6NYCRR 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.

6NYCRR Part 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.

6NYCRR 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.

6NYCRR Part 201-6.5(g)

Permit Exclusion Provisions - specifies those actions, such as administrative orders, suits, claims for natural resource damages, etc that are not affected by the federally enforceable portion of the permit, unless they are specifically addressed by it.

6NYCRR Part 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.

6NYCRR Part 202-2.1

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

6NYCRR Part 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

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must make the information available to department representatives.

6NYCRR Part 211-.2

This regulation prohibits any emissions of air contaminants to the outdoor atmosphere which may be detrimental to human, plant or animal life or to property, or which unreasonably interferes with the comfortable enjoyment of life or property regardless of the existence of any specific air quality standard or emission limit.

6 NYCRR Part 211.3

This condition requires that the opacity (i.e., the degree to which emissions other than water reduce the transmission of light) of the emissions from any air contamination source be less than 20 percent (six minute average) except for one continuous six-minute period per hour of not more than 57 percent.

6 NYCRR Part 215

Prohibits open fires at industrial and commercial sites.

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 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, PLIANT CORPORATION has been determined to be subject to the following regulations:

40CFR 63-KK.820 (a) (2)

This section of Part 63, Subpart KK requires minor sources of HAP to verify emissions by record keeping.

6NYCRR 201-7.2

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This section of Part 201-7 specifies the criteria that need to be met in order to restrict emissions to avoid Title V or other applicable requirements using federally enforceable permit conditions permit.

6NYCRR 212 .4 (a)

This rule requires compliance with the degree of control specified in Tables 2, 3 and 4 for new (after July 1, 1973) process emission sources.

6NYCRR 212 .4 (c)

This rule requires existing sources (in operation after July 1, 1973) of solid particulates with environmental rating of B or C which are not subject to Table 5 "Processes for which Permissible Emission Rate is Based on Process Weight, to be limited to an particulate emission rate not to exceed 0.05 grains per dry standard cubic foot.

6NYCRR 212 .6 (a)

This rule specifies an opacity limitation of less than 20% for any six consecutive minute period for all process emission sources.

6NYCRR 228 .1 (d)

This citation states that any coating line that is or becomes subject to the provisions of 6 NYCRR Part 228, will remain subject to these provisions even if the annual potential to emit volatile organic compounds for the facility later falls below the thresholds set forth in this regulation.

6NYCRR 228 .10

This citation specifies the procedures and protocols for the handling, storage and disposal of volatile organic compounds.

6NYCRR 228 .3 (a)

This citation prohibits the use of coatings that exceed the maximum permitted pounds of volatile organic compounds per gallon, unless a coating system meeting certain requirements is used.

6NYCRR 228 .4

This citation prohibits any person from emitting (or to 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 this Part.

6NYCRR 228 .5 (a)

This citation requires the owner or operator of any emission source subject to 6 NYCRR Part 228 to maintain and, upon request, provide the Department with a certification from the coating supplier/manufacturer which verifies the parameters used to determine the actual volatile organic compound (VOC) content of each as applied coating. In addition it requires the purchase, usage and/or production records of the coating material, including solvents and any additional information required to determine compliance with Part 228 , to be maintained in a format acceptable to the Department; and upon request, submitted to the Department.

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6NYCRR 228 .5 (b)

This citation requires the owner and operator of any emission source subject to Part 228 to, upon request by the Department, use Method 311 or Method 24 as presented in Appendices A of both 40 CFR Parts 63 and 60, to measure the volatile content, water content, density, volume of solids and weight of solids in order to determine the actual VOC content of an applied coating during a compliance demonstration.

6NYCRR 228 .5 (d)

This citation allows representatives of the Department to obtain coating samples during reasonable business hours, for the purpose of determining compliance.

6NYCRR 228 .5 (j)

This requires any information or record showing noncompliance with the requirements of Part 228 to be reported to Department within 30 days of generation of the information or record..

6NYCRR 228 .5 (k)

This requires all records required by this regulation to be maintained at the facility for a period of five years

6NYCRR 228 .6 (a)

This citation exempts specific coatings (or under specific conditions) from the prohibition of sale or specification.

6NYCRR 228 .7

Table 1 lists the processes and a description of products that are regulated by Part 228 and the maximum permitted pounds of volatile organic compounds per gallon of coating at application.

6NYCRR 229 .3 (e) (2) (v)

This section requires the tank to be equipped with conservation vents for storage of volatile organic liquids.

6NYCRR 231-2

The provisions of Subpart 231-2 apply to new or modified major facilities. The contaminants of concern state-wide are nitrogen oxides and volatile organic compounds since New York State is located in the ozone transport region and because there are ozone non-attainment areas within the state. In addition, particulate matter less than 10 microns in size (PM-10) is a non-attainment contaminant in Manhattan County.

6NYCRR 234 .1 (g)

Once a printing process at a facility is subject to the requirements of Part 234, it always will be subject to the rule even if the emissions of volatile organic compounds from the facility are less than the applicability limits.

6NYCRR 234 .3 (a) (3) (iii)

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The capture system and air cleaning device must be designed and operated such that the following minimum overall removal efficiencies of volatile organic compounds is achieved:

- flexographic printing processes - 60%

The overall removal efficiency is determined by (1) testing the capture efficiency of the removal system; and (2) testing the destruction efficiency. The testing methods used to determine the overall removal efficiency must be approved in advance by the DEC.

6NYCRR 234 .3 (e)

The emissions to the outdoor atmosphere may not exceed an average opacity greater than 10% for any consecutive six-minute period from any emission source subject to Part 234.

6NYCRR 234 .4 (c) (1)

This regulation requires any affected printing operation which uses an incinerator as an air cleaning device to control VOC emissions to install, operate and periodically calibrate instrumentation to monitor the exhaust gas temperature.

6NYCRR 234 .4 (c) (2)

The temperature rise across the catalytic bed must be continuously monitored.

6NYCRR 234 .5 (a)

It is prohibited to sell, specify, or require for use a non-compliant ink or coating unless a process-specific variance from the requirements of Part 234 has been granted by the DEC or where control equipment is used to comply with the requirements of Part 234.

6NYCRR 234 .5 (b)

Any person selling a coating or ink for use at a printing process subject to 6NYCRR Part 234 must, upon request, provide the user with certification of the volatile organic compound content of the coating or ink supplied.

6NYCRR 234 .6

This requirement pertains to general provisions for the handling, storage and disposal of volatile organic compounds and applies to open containers except where production, sampling, maintenance or inspection procedures require operation access; and to actual device or equipment designed for the purposes of applying an ink or coating to a substrate.

Non Applicability Analysis

List of non-applicable rules and regulations:

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Location Facility/EU/EP/Process/ES	Short Description	Regulation
H-PRINT/-/002/PP003	New Source Review in Nonattainment Areas and Ozone Transport Region	6NYCRR 231-2
Reason: The emissions associated with this project and its associated sources do not trigger New Source Review. This determination is based on a 96% overall control efficiency for emissions generated by the new 8-color and 10-color printing presses.		
H-PRINT/-/002/PP004	New Source Review in Nonattainment Areas and Ozone Transport Region	6NYCRR 231-2
Reason: The emissions associated with this project and its associated sources do not trigger New Source Review. This determination is based on a 96% overall control efficiency for emissions generated by the new 8-color and 10-color printing presses.		

NOTE: Non-applicability determinations are cited as a permit condition under 6 NYCRR Part 201-6.5(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 PLIANT CORPORATION:

Location Facility/EU/EP/Process/ES	Type of Monitoring	Cond No.
FACILITY	record keeping/maintenance procedures	26
FACILITY	record keeping/maintenance procedures	5
FACILITY	record keeping/maintenance procedures	6
H-PRINT/-/002/PP001	monitoring of process or control device parameters as surrogate	60
H-PRINT/-/002/PP002	monitoring of process or control device parameters as surrogate	61
FACILITY	record keeping/maintenance procedures	7
H-TREAT/-/003	monitoring of process or control device parameters as surrogate	72
I-NKMIX/-/006	monitoring of process or control device parameters as surrogate	73
P-LATES/-/001	monitoring of process or control device parameters as surrogate	74
H-TREAT/-/003	record keeping/maintenance procedures	63
I-NKMIX/-/006	record keeping/maintenance procedures	65
P-LATES/-/001	record keeping/maintenance procedures	68
A-DHEAS/-/004	record keeping/maintenance procedures	39
A-DHEAS/-/004	record keeping/maintenance procedures	31
A-DHEAS/-/004	record keeping/maintenance procedures	32
A-DHEAS/-/004	record keeping/maintenance procedures	33
A-DHEAS/-/004	record keeping/maintenance procedures	36
A-DHEAS/-/004	record keeping/maintenance procedures	37



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FACILITY	work practice involving specific operations	25
H-PRINT/-/002/OX002	intermittent emission testing	45
H-PRINT/-/002/H562A	intermittent emission testing	48
H-PRINT/-/002/HP560	intermittent emission testing	51
H-PRINT/-/002/MF563	intermittent emission testing	54
H-PRINT/-/002/OX001	intermittent emission testing	57
H-PRINT/-/002	monitoring of process or control device parameters as surrogate	41
H-PRINT/-/002/OX002	monitoring of process or control device parameters as surrogate	46
H-PRINT/-/002/H562A	monitoring of process or control device parameters as surrogate	49
H-PRINT/-/002/HP560	monitoring of process or control device parameters as surrogate	52
H-PRINT/-/002/MF563	monitoring of process or control device parameters as surrogate	55
H-PRINT/-/002/OX001	monitoring of process or control device parameters as surrogate	58
H-PRINT/-/002/OX002	monitoring of process or control device parameters as surrogate	47
H-PRINT/-/002/H562A	monitoring of process or control device parameters as surrogate	50
H-PRINT/-/002/HP560	monitoring of process or control device parameters as surrogate	53
H-PRINT/-/002/MF563	monitoring of process or control device parameters as surrogate	56
H-PRINT/-/002/OX001	monitoring of process or control device parameters as surrogate	59
H-PRINT/-/002	record keeping/maintenance procedures	44

Basis for Monitoring

234.3(a)(3)(iii) Pliant will verify compliance with Part 234 (60% reduction of VOC for offset lithography) by complying a stack test on each catalytic oxidizer within 180 days of permit issuance.

234.4(c)(2) Pliant will continuously monitor the temperature rise across the bed of the catalytic incinerators to verify ongoing compliance with part 234.

201-7.2 Capping. Emissions from Pliant Corporation's 10-color printing press (emission source PP001) and 8-color printing press (emission source PP002) are limited to less than the 40 tons per year major NEW Source Review applicability threshold. Pliant will maintain monthly solvent/ink usage records and calculate monthly emissions applying demonstrated capture and control efficiencies from the required stack testing.

40CFR64.820(a)(2) Pliant will verify that Hazardous Air Pollutant (HAP) emissions are below applicability levels to the Printing and Publishing NESHAP. Pliant is an area source of HAP.