

New York State Department of Environmental Conservation

Permit Review Report

Permit ID: 1-4728-00618/00005 Renewal Number: 1



10/06/2005

Facility Identification Data

Name: ALADDIN PACKAGING PROPERTY
Address: 40 RANICK RD
HAUPPAUGE, NY 11788-4209

Owner/Firm

Name: ABE MANDEL
Address: ALADDIN PACKAGING
40 RANICK RD
HAUPPAUGE, NY 11788, USA
Owner Classification: Individual

Permit Contacts

Division of Environmental Permits:
Name: MARILYN E PETERSON
Address: SUNY CAMPUS, LOOP RD, BUILDING 40
STONY BROOK, NY 11790-2356

Division of Air Resources:
Name: SHAUN SNEE
Address: NYSDEC - DIVISION OF AIR RESOURCES
SUNY - BLDG 40
STONY BROOK, NY 11790-2356
Phone:6314440214

Air Permitting Facility Owner Contact:
Name: JOSEPH TORRE
Address: ALADDIN TRANSPARENT PACKAGING
40 RANICK RD
HAUPPAUGE, NY 11788
Phone:6312734747

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

New York State Department of Environmental Conservation

Permit Review Report

Permit ID: 1-4728-00618/00005 Renewal Number: 1



10/06/2005

Application for renewal of Air Title V Facility.

Attainment Status

ALADDIN PACKAGING PROPERTY is located in the town of ISLIP in the county of SUFFOLK. 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*	SEVERE 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

ALADDIN PRODUCES FLEXIBLE PACKAGING UTILIZING FLEXOGRAPHIC PRINTING PRESSES AND ASSOCIATED CONVERTING EQUIPMENT. EMISSIONS OF VOCs ARE ABATED USING A CATALYTIC FUME INCINERATOR.

Permit Structure and Description of Operations

The Title V permit for ALADDIN PACKAGING PROPERTY 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,

New York State Department of Environmental Conservation

Permit Review Report

Permit ID: 1-4728-00618/00005 Renewal Number: 1



10/06/2005

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.

ALADDIN PACKAGING PROPERTY is defined by the following emission unit(s):

Emission unit 0000FP - ALADDIN USES FIVE (5) FLEXOGRAPHIC PRINTING PRESSES IN THE CONDUCT OF ITS OPERATIONS. PRODUCTS INCLUDE PLASTIC AND PAPER PRINTED PRODUCTS TYPICALLY USED IN FLEXIBLE PACKAGING. EACH PRESS HAS A PRINT STATION, CONSISTING OF FOUR TO SIX INDIVIDUAL COLOR STATIONS, AND AN OVERHEAD DRYING SECTION. SOLVENT LADEN EXHAUST IS COLLECTED AT BOTH THE PRINT AND DRYING STATIONS AND EXHAUSTED TO THE OUTDOORS. EXHAUST STREAMS ARE MANIFOLDED FROM THE FIVE PRINTING PRESSES INTO A COMMON EXHAUST HEADER LEADING TO THE CATALYTIC FUME INCINERATOR. THE FUME INCINERATOR HAS BEEN TESTED AND FOUND TO DESTROY 98% OF THE INLET VOCS. A 70% EFFECTIVE HEAT EXCHANGER IS PROVIDED FOR FUEL/ENERGY CONSERVATION. EXHAUST FROM THE INCINERATOR IS DIRECTED TO THE OUTDOORS (EMISSION POINT 0008). THE PRESS EXHAUST SYSTEM HAS BEEN TESTED AND FOUND TO COLLECT 80% OF THE VOCS LIBERATED DURING THE PRINTING OPERATIONS. THE REMAINING 20% IS COLLECTED AND EXHAUSTED TO THE OUTDOORS UNABATED BY FIVE LOCAL VENTILATION SYSTEMS. EMISSION POINT 0009 HAS BEEN ASSIGNED TO A FLOOR SWEEP WHICH CAPTURES 69% OF THE FUGITIVE EMISSIONS. A MOTORIZED ROOF VENT CAPTURES 21% (EMISSION POINT 0010) AND THREE WALL VENTS CAPTURE 7%, 1.5% AND 1.5% RESPECTIVELY (EMISSION POINTS 0011, 0012, AND 0013).

Emission unit 0000FP is associated with the following emission points (EP):

00008, 00009, 00010, 00011, 00012, 00013

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

Process: FP1 is located at MAIN/ROOF, Building 1 - NON-COMPLYING INKS ARE APPLIED TO A VARIETY OF SUBSTRATES (PLASTICS AND PAPER) USING FLEXOGRAPHIC PRINTING PRESSES. A TOTAL OF 5 PRINTING PRESSES ARE USED AT THIS FACILITY. THE PRESSES CONTAIN BETWEEN FOUR AND SIX PRINTING STATIONS AND ARE OF VARYING WIDTHS. SOLVENT LADEN EXHAUSTS ARE MANIFOLDED INTO A CATALYTIC FUME INCINERATOR. OVERALL VOC CONTROL HAS BEEN MEASURED TO BE 80% (98% DESTRUCTION, 82% CAPTURE). EMISSIONS NOT CAPTURED BY THE PRESS EXHAUST ARE VENTED VIA 5 GENERAL VENTILATION UNITS. (EMISSION POINTS 00009-00013)

New York State Department of Environmental Conservation

Permit Review Report

Permit ID: 1-4728-00618/00005 Renewal Number: 1



10/06/2005

Title V/Major Source Status

ALADDIN PACKAGING PROPERTY is subject to Title V requirements. This determination is based on the following information:

Aladdin Packaging is subject to Title V regulation. This determination is based upon the fact that the annual Potential To Emit (PTE) for Volatile Organic Compounds (VOC) is greater than 25 tons.

Program Applicability

The following chart summarizes the applicability of ALADDIN PACKAGING PROPERTY 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)	NO
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

New York State Department of Environmental Conservation

Permit Review Report

Permit ID: 1-4728-00618/00005 Renewal Number: 1

10/06/2005



(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



New York State Department of Environmental Conservation

Permit Review Report

Permit ID: 1-4728-00618/00005 Renewal Number: 1

10/06/2005

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
2671	PAPER COATED AND LAMINATED PACKAGING
2759	COMMERCIAL PRINTING, 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
4-05-003-01	PRINTING/PUBLISHING PRINTING/PUBLISHING - GENERAL PRINTING - FLEXOGRAPHIC

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



Permit ID: 1-4728-00618/00005 Renewal Number: 1

10/06/2005

		lbs/yr	Range
000107-98-2	2-PROPANOL, 1-METHOXY		>= 10 tpy but < 25 tpy
000111-76-2	ETHANOL, 2-BUTOXY-		> 0 but < 10 tpy
000141-78-6	ETHYL ACETATE		> 0 but < 2.5 tpy
000064-17-5	ETHYL ALCOHOL (ETHANOL)		>= 40 tpy but < 50 tpy
ONY100-00-0	HAP		>= 2.5 tpy but < 10 tpy
000108-21-4	ISOPROPYL ACETATE		> 0 but < 2.5 tpy
000067-63-0	ISOPROPYL ALCOHOL		> 0 but < 2.5 tpy
000067-56-1	METHYL ALCOHOL (HAP)		> 0 but < 10 tpy
000142-82-5	N-HEPTANE		> 0 but < 2.5 tpy
ONY210-00-0	OXIDES OF NITROGEN		>= 2.5 tpy but < 10 tpy
000071-23-8	PROPANOL		>= 10 tpy but < 25 tpy
ONY998-00-0	VOC	194000	

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 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)

New York State Department of Environmental Conservation

Permit Review Report

Permit ID: 1-4728-00618/00005 Renewal Number: 1



10/06/2005

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)

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.

New York State Department of Environmental Conservation

Permit Review Report

Permit ID: 1-4728-00618/00005 Renewal Number: 1



10/06/2005

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 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.

New York State Department of Environmental Conservation

Permit Review Report

Permit ID: 1-4728-00618/00005 Renewal Number: 1



10/06/2005

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

New York State Department of Environmental Conservation

Permit Review Report

Permit ID: 1-4728-00618/00005 Renewal Number: 1



10/06/2005

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.

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

New York State Department of Environmental Conservation

Permit Review Report

Permit ID: 1-4728-00618/00005 Renewal Number: 1

10/06/2005



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	40
FACILITY	40CFR 68	Chemical accident prevention provisions	21
FACILITY	40CFR 82	Protection of Stratospheric Ozone	26
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	41
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	
Fees 2			
FACILITY	6NYCRR 201-6.5(a)(8)	General conditions	16
FACILITY	6NYCRR 201-6.5(c)	Permit conditions for Recordkeeping and Reporting of Compliance Monitoring	3
FACILITY	6NYCRR 201-6.5(c)(2)	Permit conditions for Recordkeeping and Reporting of Compliance Monitoring	4
FACILITY	6NYCRR 201-6.5(c)(3)(ii)	Permit conditions for Recordkeeping and Reporting of Compliance Monitoring	5
FACILITY	6NYCRR 201-6.5(d)(5)	Compliance schedules	17
FACILITY	6NYCRR 201-6.5(e)	Compliance Certification	6
FACILITY	6NYCRR 201-6.5(f)(6)	Off Permit Changes	18
FACILITY	6NYCRR 202-1.1	Required emissions tests.	19
FACILITY	6NYCRR 202-2.1	Emission Statements - Applicability	7
FACILITY	6NYCRR 202-2.5	Emission Statements - record keeping requirements.	8
FACILITY	6NYCRR 211.2	General Prohibitions - air pollution prohibited.	42
FACILITY	6NYCRR 211.3	General Prohibitions - visible emissions limited	20



New York State Department of Environmental Conservation

Permit Review Report

Permit ID: 1-4728-00618/00005 Renewal Number: 1

10/06/2005

FACILITY	6NYCRR 215	Open Fires	9
FACILITY	6NYCRR 225-1.2(a)(2)	Sulfur in Fuel Limitations Post 12/31/87.	24
0-000FP	6NYCRR 227-1.3(a)	Smoke Emission Limitations.	29
FACILITY	6NYCRR 234.1(g)	"Once in always in"	25
0-000FP/-/FP1	6NYCRR 234.3(a)(3)(iii)	control requirements - flexographic printing	33
0-000FP	6NYCRR 234.3(e)	Graphic Arts - control requirements - opacity	30
0-000FP	6NYCRR 234.3(f)(3)	RACT variance	31
0-000FP/00008/FP1	6NYCRR 234.3(f)(3)	RACT variance	39
0-000FP	6NYCRR 234.4(a)	Testing, monitoring, and recordkeeping	32
0-000FP/-/FP1	6NYCRR 234.4(b)(1)	testing, monitoring and recordkeeping	34
0-000FP/-/FP1	6NYCRR 234.4(b)(2)	testing, monitoring and recordkeeping	35
0-000FP/-/FP1	6NYCRR 234.4(b)(3)	Testing, Monitoring and Recordkeeping - purchase, usage and/or production records for inks, VOC and solvents	36
0-000FP/-/FP1	6NYCRR 234.4(c)	Exhaust gas temperature	37
0-000FP/-/FP1	6NYCRR 234.6	Handling, storage and disposal of volatile organic compounds (VOC).	38

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 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

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

Permit ID: 1-4728-00618/00005 Renewal Number: 1



10/06/2005

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 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 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

New York State Department of Environmental Conservation

Permit Review Report

Permit ID: 1-4728-00618/00005 Renewal Number: 1



10/06/2005

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 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 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 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 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.

New York State Department of Environmental Conservation

Permit Review Report

Permit ID: 1-4728-00618/00005 Renewal Number: 1



10/06/2005

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, ALADDIN PACKAGING PROPERTY has been determined to be subject to the following regulations:

40CFR 82

The purpose of this regulation is to implement standards on the protection of stratospheric ozone through the control of chloroflourocarbons (CFCs).

6NYCRR 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 225-1.2 (a) (2)

This regulation prohibits any person from selling, offering for sale, purchasing or using any fuel which

New York State Department of Environmental Conservation

Permit Review Report

Permit ID: 1-4728-00618/00005 Renewal Number: 1

10/06/2005



contains sulfur in a quantity exceeding the limitations set forth in Table 1, Table 2, or Table 3 of this section.

6NYCRR 227-1.3 (a)

This regulation prohibits any person from operating a stationary combustion installation which emits smoke equal to or greater than 20% opacity except for one six-minute period per hour of not more than 27% opacity.

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)

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 .3 (f) (3)

The permitted facility has been granted a variance to shut down the natural gas fired afterburner(s) used as a control device for processes subject to Part 234 during the period of November 1st through March 31st. This variance was granted in order to conserve natural gas supplies. The DEC has determined that air quality will not be jeopardized due to the seasonal shutdown of the afterburner.

6NYCRR 234 .4 (a)

This requirement applies to printing operations which utilize control equipment to control emissions. It requires that test methods acceptable to the Department must be used when demonstrating the overall removal efficiency. This demonstration may be done in the following manner:

- (1) By directly measuring VOC/solvent recovery and VOC/solvent usage rates where VOC/solvent recovery is the only control technique. Methods described in Section 234.5(b)(1) and (b)(2) of this Part must be used.
- (2) For control equipment other than VOC/solvent recovery, this demonstration must include provisions to determine both the efficiency of the capture system and of the subsequent destruction and/or

New York State Department of Environmental Conservation

Permit Review Report

Permit ID: 1-4728-00618/00005 Renewal Number: 1

10/06/2005



removal of these air contaminants by control equipment prior to their release to the atmosphere.

6NYCRR 234 .4 (b) (1)

The United States Environmental Protection Agency has approved several test methods for determining the concentration of a particular contaminant in flue gas. These methods can be found at 40 CFR 60, Appendix A. The facility will use Method ____ to determine the concentration of volatile organic compounds in the flue gas.

6NYCRR 234 .4 (b) (2)

The United States Environmental Protection Agency has approved test methods for determining the concentration of volatile organic compounds, water content, and solids content of inks and coatings (see 40 CFR 60, Appendix A). The facility must use either Methods 24 or 24A or or obtain the composition of the ink solvent/volatiles from the manufacturer.

6NYCRR 234 .4 (b) (3)

The facility is required to maintain records of purchases and usage of inks, volatile organic compounds, and solvents. The facility maintains these records in a log book for a minimum of five years.

6NYCRR 234 .4 (c)

Where the affected source has control equipment, then specific continuous monitors (as specified or otherwise required by the Commissioner) must be installed, calibrated, and operated at all times.

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.

Compliance Certification

Summary of monitoring activities at ALADDIN PACKAGING PROPERTY:

Location	Type of Monitoring	Cond No.
Facility/EU/EP/Process/ES		
FACILITY	record keeping/maintenance procedures	5
FACILITY	record keeping/maintenance procedures	6
FACILITY	record keeping/maintenance procedures	7
FACILITY	work practice involving specific operations	24
0-000FP	monitoring of process or control device parameters as surrogate	29
0-000FP/-/FP1	intermittent emission testing	33
0-000FP	monitoring of process or control device parameters as surrogate	30
0-000FP/00008/FP1	record keeping/maintenance procedures	39
0-000FP/-/FP1	record keeping/maintenance procedures	36

Basis for Monitoring

New York State Department of Environmental Conservation

Permit Review Report

Permit ID: 1-4728-00618/00005 Renewal Number: 1



10/06/2005

6 NYCRR Part 234.4(b)(3) requires record keeping of ink and solvent purchases and VOC and HAP content of inks and solvents.

6 NYCRR Part 234.4(c) requires monitoring of oxidizer exhaust gas temperature.

6 NYCRR Part 227-1.3(a) - This monitoring condition has been included to address the visible emissions requirements of Part 227. The daily monitoring frequency is justified by the fact that the rule does not specify any monitoring frequency and any visible emissions that may occur are not expected to cause any exceedances. Past experience has shown that printing presses with this type of control system are unlikely to produce visible emissions of any magnitude.

6 NYCRR Part 234.3(e) - This monitoring condition has been included to address the visible emissions requirements of Part 234. The daily monitoring frequency is justified by the fact that the rule does not specify any monitoring frequency and any visible emissions that may occur are not expected to cause any exceedances. Past experience has shown that printing presses with this type of control system are unlikely to produce visible emissions of any magnitude.

6 NYCRR Part 234.3(a)(3)(iii) - This monitoring condition has been included because an initial stack test is mandated by this rule to demonstrate compliance with the capture/control efficiency requirement of 60% for flexographic printers using control devices. The test is also being used to verify that the combustion zone temperature will be an appropriate parameter to monitor operation of the thermal oxidizer control device. The monitoring frequency of once per permit term has been determined to be sufficient for following reasons: the variability of control efficiency of this type of device is minimal; the control efficiency will likely exceed 98% which is much greater than the rule requirement; operation of the thermal oxidizer will be continuously monitored via a temperature recorder.