

**State of Mississippi**

**FEDERALLY ENFORCEABLE AIR POLLUTION CONTROL PERMIT**

**Permit to Operate Air Emissions Equipment at a Synthetic Minor Source**

**THIS CERTIFIES**

**International Paper Company, Houston  
511 3rd Street  
Houston, MS  
Chickasaw County**

has been granted permission to operate air emissions equipment in accordance with emission limitations, monitoring requirements and conditions set forth herein. This permit is issued in accordance with the Federal Clean Air Act and the provisions of the Mississippi Air and Water Pollution Control Law (Section 49-17-1 et. set., Mississippi Code of 1972), the regulations and standards adopted and promulgated thereunder, and the State Implementation Plan for operating permits for synthetic minor sources.

**Mississippi Environmental Quality Permit Board**

---

**Mississippi Department of Environmental Quality**

Issued/Modified: OCT 10 2011

Expires: SEP 30 2016

Permit No. 0380-00003

Agency Interest # 798

## Table of Contents

|                             |     |
|-----------------------------|-----|
| Subject Item Inventory..... | i   |
| Facility Requirements.....  | 1   |
| General Information.....    | A-1 |
| Other Relevant Documents:   |     |

## Permit to Operate Air Emissions Equipment at a Synthetic Minor Source

International Paper Company, Houston

Subject Item Inventory

Permit Number:0380-00003

Activity ID No.: PER20100001

### Subject Item Inventory:

| ID     | Designation | Description                                                                                            |
|--------|-------------|--------------------------------------------------------------------------------------------------------|
| AI798  |             |                                                                                                        |
| EQPT2  | AA-002      | the Waste Paper Trim System with Cyclone                                                               |
| EQPT3  | AA-004      | the 10,000 gallon virgin No. 2 Fuel Oil Storage Tank                                                   |
| EQPT4  | AA-005      | the Corrugated Box Manufacturing and Converting Plant                                                  |
| EQPT5  | AA-003      | Maintenance Activities including: Parts Washing, Roller Cleaning, and Die Manufacturing                |
| EQPT6  | AB-001      | a temporary emergency back up natural gas and virgin No. 2 fuel oil fired boiler up to 27.7 MMBtu/Hr   |
| EQPT8  | AA-007      | the natural gas and virgin No. 2 fuel oil fired, 20.4 MMBtu/Hr Boiler                                  |
| EQPT9  | AA-008      | the twenty six (26) natural gas fired space heaters with a combined heat input capacity of 18 MMBtu/hr |
| EQPT10 | AA-009      | the Bulk Starch Storage Silo equipped with a baghouse                                                  |

### Subject Item Groups:

| ID    | Description                            | Components                                                                                                                                                  |
|-------|----------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|
| GRPT1 | Emission Point AA-003 and Point AA-005 | EQPT3 the 10,000 gallon virgin No. 2 Fuel Oil Storage Tank<br>EQPT5 Maintenance Activities including: Parts Washing, Roller Cleaning, and Die Manufacturing |

#### KEY

ACT = Activity

AREA = Area

CONT = Control Device

IA = Insignificant Activity

RPNT = Release Point

AI = Agency Interest

CAFO = Concentrated Animal Feeding Operation

EQPT = Equipment

MAFO = Animal Feeding Operation

TRMT = Treatment

\*\*\* Official MDEQ Permit - Version 1.1 \*\*\*

**Permit to Operate Air Emissions Equipment at a Synthetic Minor Source**

International Paper Company, Houston

Subject Item Inventory

Permit Number:0380-00003

Activity ID No.: PER20100001

**KEY**

TRMT = Treatment

# Permit to Operate Air Emissions Equipment at a Synthetic Minor Source

International Paper Company, Houston

Facility Requirements

Permit Number:0380-00003

Activity ID No.: PER20100001

Page 1 of 20

**AI0000000798:**

## Limitation Requirements:

---

| Condition No. | Parameter | Condition                                                                                                                                  |
|---------------|-----------|--------------------------------------------------------------------------------------------------------------------------------------------|
| L-1           |           | The permittee shall not operate Emission Points AA-007 and AB-001 at the same time, except during periods of Start-up or Shutdown. [Other] |

## Record-Keeping Requirements:

---

| Condition No. | Condition                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|---------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| R-1           | <p><b>RECORDKEEPING REQUIREMENTS:</b></p> <p>For Emission Points AA-003 and AA-005, the permittee shall determine the following for each ink, ink additive, adhesive, coating and solvent utilizing data supplied by the manufacturer or by analysis of each ink, ink additive, adhesive, coating and solvent using EPA Reference Method 24, CFR 60, Appendix A:</p> <ul style="list-style-type: none"><li>a)The inks, ink additives, adhesives, coatings and solvents used during a reporting period;</li><li>b)The total pounds of each ink, ink additive, adhesive, coating and solvent used in each consecutive 12 month period on a rolling basis;</li><li>c)The percentage of VOCs by weight and the percentage of each Hazardous Air Pollutant (HAP) of each ink, ink additive, adhesive, coating and solvent. A description of the method used to determine the VOC and HAP content(s) shall accompany this data;</li><li>d)The total VOC emission rate, the emission rate of each individual HAP and the total HAP emission rate in tons/year for each consecutive 12 month period on a rolling basis. [APC-S-2 II.B(10)]</li></ul> |

## Submittal/Action Requirements:

---

| Condition No. | Condition                                                                                                                                                                                                                                                                                                                                                                       |
|---------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| S-1           | General Condition: Except as otherwise specified herein, the permittee shall report all deviations from permit requirements, including those attributable to upsets, the probable cause of such deviations, and any corrective actions or preventive measures taken. Said report shall be made within five (5) working days of the time the deviation began. [APC-S-2 II.B(10)] |

## Permit to Operate Air Emissions Equipment at a Synthetic Minor Source

International Paper Company, Houston

Facility Requirements

Permit Number:0380-00003

Activity ID No.: PER20100001

Page 2 of 20

### AI0000000798 (continued):

#### Submittal/Action Requirements:

---

| Condition No. | Condition                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|---------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| S-2           | Except as otherwise specified herein, the permittee shall Submit a certified annual synthetic minor monitoring report: Due annually, by the 31st of January for preceding calendar year. This report shall address any required monitoring specified in the permit. [APC-S-2 II.B(11)]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| S-3           | <b>REPORTING REQUIREMENTS</b><br><br>(1)For Emission Points AA-003, and AA-005, the permittee shall submit to the Office of Pollution Control, an annual report summarizing:<br><br>a)each ink, ink additive, adhesive, coating and solvent used;<br>b)the total pounds of each ink, ink additive, adhesive, coating and solvent used in each consecutive 12 month period on a rolling basis;<br>c)the VOC and the HAP content(s) of each ink, ink additive, adhesive, coating and solvent;<br>d)the VOC emission rate, the emission rate of each individual HAP and the total HAP emission rate in tons/year for each consecutive 12 month period on a rolling basis.<br><br>(2)The report shall be submitted in accordance with Condition S-2 of this permit.<br><br>(3)Any exceedance of the limitations outlined in this permit shall be reported to DEQ no later than five (5) days following the occurrence.<br><br>(4)All records shall be kept in log form and must be made available for review upon request during any inspection visit by Office of Pollution Control personnel. All records shall be maintained by the permittee for a period of five (5) years following the date of such record. [APC-S-2 II.B(10)] |

#### Narrative Requirements:

---

| Condition No. | Condition                                                                                                                                                                                                                                                                                      |
|---------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| T-1           | General Condition: Any activities not identified in the application are not authorized by this permit. [Miss. Code Ann. 49-17-29 1.b]                                                                                                                                                          |
| T-2           | General Condition: The permittee shall at all times maintain in good working order and operate as efficiently as possible all air pollution control facilities or systems installed or used by the permittee to achieve compliance with the terms and conditions of this permit. [APC-S-2 V.A] |

## Permit to Operate Air Emissions Equipment at a Synthetic Minor Source

International Paper Company, Houston

Facility Requirements

Permit Number:0380-00003

Activity ID No.: PER20100001

Page 3 of 20

### AI0000000798 (continued):

#### Narrative Requirements:

| Condition No. | Condition                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|---------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| T-3           | General Condition: Solids removed in the course of control of air emissions shall be disposed of in a manner such as to prevent the solids from becoming windborne and to prevent the materials from entering state waters without the proper environmental permits. [Miss. Code Ann. 49-17-29 1.a(i and ii)]                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| T-4           | General Condition: Any diversion from or bypass of collection and control facilities is prohibited except as provided for in Regulation APC-S-1, "Air Emission Regulations for the Prevention, Abatement, and Control of Air Contaminants", Section 10. [APC-S-1 Section 10]                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| T-5           | General Condition: Should the Executive Director of the Mississippi Department of Environmental Quality declare an Air Pollution Emergency Episode, the permittee will be required to operate in accordance with the permittee's previously approved Emissions Reduction Schedule. [APC-S-2 X]                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| T-6           | General Condition: The permittee shall allow the Mississippi Department of Environmental Quality Office of Pollution Control and the Mississippi Environmental Quality Permit Board and/or their authorized representatives, upon the presentation of credentials:<br>(a) To enter upon the permittee's premises where an air emission source is located or in which any records are required to be kept under the terms and conditions of this permit, and<br>(b) At reasonable times to have access to and copy any records required to be kept under the terms and conditions of this permit; to inspect any monitoring equipment or monitoring method required in this permit; and to sample any air emission. [Miss. Code Ann. 49-17-21] |
| T-7           | General Condition: After notice and opportunity for a hearing, this permit may be modified, suspended, or revoked in whole or in part during its term for cause including, but not limited to:<br>(a) Violation of any terms or conditions of this permit<br>(b) Obtaining this permit by misrepresentation or failure to disclose fully all relevant facts; or<br>(c) A change in any condition that required either a temporary or permanent reduction or elimination of authorized air emissions. [APC-S-2 II.C]                                                                                                                                                                                                                           |
| T-8           | General Condition: This permit and/or any part thereof may be modified, revoked, reopened, and reissued, or terminated for cause. Sufficient cause for this permit to be reopened shall exist when an air emissions stationary source becomes subject to Title V. 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 condition of the permit. [APC-S-2 II.B(15)b]                                                                                                                                                                                                                          |
| T-9           | General Condition: Except for data determined to be confidential under the Mississippi Air & Water Pollution Control Law, all reports prepared in accordance with the terms of this permit shall be available for public inspection at the offices of the Mississippi Department of Environmental Quality Office of Pollution Control. [Miss. Code Ann. 49-17-39]                                                                                                                                                                                                                                                                                                                                                                             |

## Permit to Operate Air Emissions Equipment at a Synthetic Minor Source

International Paper Company, Houston

Facility Requirements

Permit Number:0380-00003

Activity ID No.: PER20100001

Page 4 of 20

### AI0000000798 (continued):

#### Narrative Requirements:

| Condition No. | Condition                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|---------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| T-10          | General Condition: The issuance of this permit does not convey any property rights in either real or personal property, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of Federal, State, or local laws or regulations. [APC-S-2 II.B(15)c]                                                                                                                                                                                                           |
| T-11          | General Condition: Nothing herein contained shall be construed as releasing the permittee from any liability for damage to persons or property by reason of the installation, maintenance, or operation of the air cleaning facility, or from compliance with the applicable statutes of the State, or with local laws, regulations, or ordinances. [APC-S-2 II.B(7)]                                                                                                                                                                             |
| T-12          | General Condition: This permit may only be transferred upon approval of the Mississippi Environmental Quality Permit Board. [APC-S-2 XVI.B]                                                                                                                                                                                                                                                                                                                                                                                                       |
| T-13          | General Condition: This permit is for air pollution control purposes only. [APC-S-2 I.D(1)]                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| T-14          | General Condition: This permit is a Federally-approved permit to operate a synthetic minor source as described in Regulation APC-S-2, Section IV.D. [APC-S-2 IV.D]                                                                                                                                                                                                                                                                                                                                                                                |
| T-15          | General Condition: The provisions of this permit are severable. If any provision of this permit, or the application of any provision of this permit to any circumstances, is challenged or held invalid, the validity of the remaining permit provisions and/or portions thereof or their application to other persons or sets of circumstances, shall not be affected thereby. [APC-S-2 I.D(7)]                                                                                                                                                  |
| T-16          | General Condition: The permittee shall furnish to MDEQ within a reasonable time any information MDEQ may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating the permit or to determine compliance with the permit. Upon request, the permittee shall also furnish to MDEQ copies of records required to be kept by the permit or, for information claimed to be confidential, the permittee shall furnish such records to MDEQ along with a claim of confidentiality. [APC-S-2 II.B(15)d] |

## Permit to Operate Air Emissions Equipment at a Synthetic Minor Source

International Paper Company, Houston

Facility Requirements

Permit Number:0380-00003

Activity ID No.: PER20100001

Page 5 of 20

### AI0000000798 (continued):

#### Narrative Requirements:

| Condition No. | Condition                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|---------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| T-17          | <p>General Condition: This permit does not authorize a modification as defined in APC-S-2, "Permit Regulations for the Construction and/or Operation of Air Emissions Equipment". Modification is defined as "Any physical change in or change in the method of operation of a facility which increases actual emissions or potential uncontrolled emissions of any air pollutant subject to regulation under the Federal Act emitted into the atmosphere by that facility or which results in the emission of any air pollutant subject to regulation under the Federal Act into the atmosphere not previously emitted. A physical change or change in the method of operation shall not include:</p> <ul style="list-style-type: none"><li>(a) routine maintenance, repair, and replacement;</li><li>(b) use of an alternative fuel or raw material by reason of an order under Sections 2(a) and (b) of the Federal Energy Supply and Environmental Coordination Act of 1974 (or any superseding legislation) or by reason of a natural gas curtailment plan pursuant to the Federal Power Act;</li><li>(c) use of an alternative fuel by reason of an order or rule under Section 125 of the Federal Act;</li><li>(d) use of an alternative fuel or raw material by a stationary source which: (i) the source was capable of accommodating before January 6, 1975, unless such change would be prohibited under any federally enforceable permit condition which was established after January 6, 1975, pursuant to 40 CFR 52.21 or under regulations approved pursuant to 40 CFR 51.166; or (ii) the source is approved to use under any permit issued under 40 CFR 52.51 or under regulations approved pursuant to 40 CFR 51.166;</li><li>(e) an increase in the hours of operation or in the production rate unless such change would be prohibited under any federally enforceable permit condition which was established after January 6, 1975, pursuant to 40 CFR 52.51, or under regulations approved pursuant to Subpart I or 40 CFR 51.166; or</li><li>(f) any change in ownership of the stationary source" [APC-S-2 I.D(2)]</li></ul> |
| T-18          | <p>General Condition: It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit unless halting or reducing activity would create an imminent and substantial endangerment threatening the public health and safety of the lives and property of the people of this state. [APC-S-2 II.B(15)a]</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| T-19          | <p>General Condition: The permittee shall retain all required records, monitoring data, supported information and reports for a period of at least five (5) years from the date of the monitoring sample, measurement, report, or application. Support information includes all calibration and maintenance records, all original strip-chart recordings or other data for continuous monitoring instrumentation, and copies of all reports required by this permit. Copies of such records shall be submitted to MDEQ as required by Applicable Rules and Regulations or this permit upon request. [APC-S-2 IX]</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| T-20          | <p>General Condition: The knowing submittal of a permit application with false information may serve as the basis for the Permit Board to void the permit issued pursuant thereto or subject the applicant to penalties for constructing or operating without a valid permit. [APC-S-2 II.B(5)]</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |

## Permit to Operate Air Emissions Equipment at a Synthetic Minor Source

International Paper Company, Houston

Facility Requirements

Permit Number:0380-00003

Activity ID No.: PER20100001

Page 6 of 20

### AI0000000798 (continued):

#### Narrative Requirements:

| Condition No. | Condition                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|---------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| T-21          | <p>General Condition: Emergencies</p> <p>(a) Except as otherwise specified herein, an emergency means any situation arising from sudden and reasonably unforeseeable events beyond the control of the source, including acts of God, which situation requires immediate corrective action to restore normal operation, and that causes the source to exceed a technology-based emission limitation under the permit, due to unavoidable increases in emissions attributable to the emergency. An emergency shall not include noncompliance to the extent caused by improperly designed equipment, lack of preventative maintenance, careless or improper operation, or operator error.</p> <p>(b) An emergency constitutes an affirmative defense to an action brought for noncompliance with such technology-based emission limitations if the conditions specified in (c) following are met.</p> <p>(c) The affirmative defense of emergency shall be demonstrated through properly signed contemporaneous operating logs, or other relevant evidence as follows: (i) an emergency occurred and that the permittee can identify the cause(s) of the emergency; (ii) the permitted facility was at the time being properly operated; (iii) during the period of the emergency the permittee took all reasonable steps to minimize levels of emissions that exceeded the emission standards, or other requirements in the permit; and (iv) the permittee submitted notice of the emergency to MDEQ within two (2) working days of the time when emission limitations were exceeded due to the emergency which contained a description of the emergency, any steps taken to mitigate emissions, and corrective actions taken.</p> <p>(d) In any enforcement proceeding, the permittee seeking to establish the occurrence of any emergency has the burden of proof.</p> <p>(e) This provision is in addition to any emergency or upset provision contained in any applicable requirement specified elsewhere herein [APC-S-2 II.B(10)]</p> |
| T-22          | <p>General Condition: Upsets</p> <p>(a) The occurrence of an upset constitutes an affirmative defense to an enforcement action brought for noncompliance with emission standards or other requirements of Applicable Rules and Regulations or any applicable permit if the permittee demonstrates through properly signed contemporaneous operating logs, or other relevant evidence that include information as follows: (i) an upset occurred and that the permittee can identify the cause(s) of the upset; (ii) the source was at the time being properly operated; (iii) during the upset the permittee took all reasonable steps to minimize levels of emissions that exceeded the emission standards, or other requirements of Applicable Rules and Regulations or any applicable permit; (iv) the permittee submitted notice of the upset to the DEQ within five (5) working days of the time the upset began which contained a description of the upset, any steps taken to mitigate emissions, and corrective actions taken.</p> <p>(b) In any enforcement proceeding, the permittee seeking to establish the occurrence of an upset has the burden of proof.</p> <p>(c) This provision is in addition to any upset provision contained in any applicable requirement. [APC-S-1 Section 10]</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |

## Permit to Operate Air Emissions Equipment at a Synthetic Minor Source

International Paper Company, Houston

Facility Requirements

Permit Number:0380-00003

Activity ID No.: PER20100001

Page 7 of 20

### AI0000000798 (continued):

#### Narrative Requirements:

| Condition No. | Condition                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|---------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| T-23          | <p>General Condition: Startups and Shutdowns</p> <p>(a) Startups and shutdowns are part of normal source operation. Emissions limitations applicable to normal operation apply during startups and shutdowns except as follows: (i) when sudden, unavoidable breakdowns occur during a startup or shutdown, the event may be classified as an upset subject to the requirements above; (ii) when a startup or shutdown is infrequent, the duration of excess emissions is brief in each event, and the design of the source is such that the period of excess emissions cannot be avoided without causing damage to equipment or persons; or (iii) when the emissions standards applicable during a startup or shutdown are defined by other requirements of Applicable Rules and Regulations or any applicable permit.</p> <p>(b) In any enforcement proceeding, the permittee seeking to establish the applicability of any exception during a startup or shutdown has the burden of proof.</p> <p>(c) In the event this startup and shutdown provision conflicts with another applicable requirement, the more stringent requirement shall apply. [APC-S-1 Section 10]</p>                                                                                                                                                                                                                                                                                                                                      |
| T-24          | <p>General Condition: Maintenance</p> <p>(a) Maintenance should be performed during planned shutdown or repair of process equipment such that excess emissions are avoided. Unavoidable maintenance that results in brief periods of excess emissions and that is necessary to prevent or minimize emergency conditions or equipment malfunctions constitutes an affirmative defense to an enforcement action brought for noncompliance with emission standards, or other regulatory requirements if the permittee can demonstrate the following: (i) the permittee can identify the need for the maintenance; (ii) the source was at the time being properly operated; (iii) during the maintenance the permittee took all reasonable steps to minimize levels of emissions that exceeded the emission standards, or other requirements of Applicable Rules and Regulations or any applicable permit; (iv) the permittee submitted notice of the maintenance to MDEQ within five (5) working days of the time the maintenance began or such other times as allowed by MDEQ, which contained a description of the maintenance, any steps taken to mitigate emissions, and corrective actions taken.</p> <p>(b) In any enforcement proceeding, the permittee seeking to establish the applicability of this section has the burden of proof.</p> <p>(c) In the event this maintenance provision conflicts with another applicable requirement, the more stringent requirement shall apply. [APC-S-1 Section 10]</p> |
| T-25          | <p>General Condition: For renewal of this permit the applicant shall make application not less than one-hundred eighty (180) days prior to the expiration date of the permit substantiated with current emissions data, test results or reports or other data as deemed necessary by the Mississippi Environmental Quality Permit Board. [APC-S-2 VIII]</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |

**Permit to Operate Air Emissions Equipment at a Synthetic Minor Source**

International Paper Company, Houston

Facility Requirements

Permit Number:0380-00003

Activity ID No.: PER20100001

**EQPT0000000002 (AA-002) the Waste Paper Trim System with Cyclone:**

**Limitation Requirements:**

---

| Condition No. | Parameter | Condition                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|---------------|-----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| L-1           |           | <p>Except as otherwise specified, no person shall cause, permit, or allow the emission of particulate matter in total quantities in any one hour from any manufacturing process, which includes any associated stacks, vents, outlets, or combination thereof, to exceed the amount determined by the relationship</p> $E = 4.1 p^{0.67}$ <p>where E is the emission rate in pounds per hour and p is the process weight input rate in tons per hour.<br/>Conveyor discharge of coarse solid matter may be allowed if no nuisance is created beyond the property boundary where the discharge occurs. [APC-S-1 Section 3.6.a]</p> |
| L-2           |           | <p>Except as otherwise specified or limited herein, the permittee shall not cause, allow, or permit the discharge into the ambient air from any point source or emissions, any air contaminant of such opacity as to obscure an observer's view to a degree in excess of 40% opacity. This shall not apply to vision obscuration caused by uncombined water droplets. [APC-S-1 Section 3.2]</p>                                                                                                                                                                                                                                   |

## Permit to Operate Air Emissions Equipment at a Synthetic Minor Source

International Paper Company, Houston

Facility Requirements

Permit Number:0380-00003

Activity ID No.: PER20100001

Page 9 of 20

### EQPT0000000002 (continued):

#### Monitoring Requirements:

---

| Condition No. | Parameter | Condition                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|---------------|-----------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| M-1           |           | <p><b>CYCLONE CONTROL EQUIPMENT REQUIREMENTS:</b></p> <p>(1)For the Trim System cyclone, inspections shall be performed each month, or more often as needed, and maintenance shall be performed as dictated by inspection results so that proper operation of the pollution control equipment is maintained. Records of any inspections and/or maintenance shall be kept in log form and must be made available for review upon request during any inspection visit by Office of Pollution Control personnel.</p> <p>(2)The permittee shall maintain on hand at all times sufficient equipment as is necessary to repair and/or overhaul the pollution control equipment.</p> <p>(3)In the event of a failure of the pollution control equipment, the permittee shall cease operations until such time as repairs are made and the proper efficiency of the pollution control equipment is restored. [Other]</p> |

**Permit to Operate Air Emissions Equipment at a Synthetic Minor Source**

International Paper Company, Houston

Facility Requirements

Permit Number:0380-00003

Activity ID No.: PER20100001

**EQPT0000000003 (AA-004) the 10,000 gallon virgin No. 2 Fuel Oil Storage Tank:**

Limitation Requirements:

---

| Condition No. | Parameter | Condition                                                                                                                                  |
|---------------|-----------|--------------------------------------------------------------------------------------------------------------------------------------------|
| L-1           |           | Such air emissions equipment shall be operated as efficiently as possible to provide the maximum reduction of air contaminants.<br>[Other] |

---

**Permit to Operate Air Emissions Equipment at a Synthetic Minor Source**

International Paper Company, Houston

Facility Requirements

Permit Number:0380-00003

Activity ID No.: PER20100001

**EQPT0000000004 (AA-005) the Corrugated Box Manufacturing and Converting Plant:**

**Limitation Requirements:**

---

| Condition No. | Parameter | Condition                                                                                                                                                                                                                                                                                                            |
|---------------|-----------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| L-1           |           | The permittee shall limit volatile organic compound (VOC) emissions to no more than 50.0 tons/year (TPY) as determined for each consecutive 12-month period. This is a total emission rate for Emission Points AA-003 and AA-005. [APC-S-2 II.B(10)]                                                                 |
| L-2           |           | The permittee shall limit hazardous air pollutant (HAP) emissions to no more than 9.0 tons/year (TPY) of any single HAP and no more than 24.0 TPY of total combined HAPs as determined for each consecutive 12-month period. This is a total emission rate for Emission Points AA-003 and AA-005. [APC-S-2 II.B(10)] |

**Submittal/Action Requirements:**

---

| Condition No. | Condition                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|---------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| S-1           | For Emission Point AA-005, the permittee shall submit to the Office of Pollution Control, an annual report summarizing the addition and/or removal of any piece of air polluting equipment used in the Corrugated Box Manufacturing and Converting Plant. Such equipment shall include but is not limited to: Corrugators, Gluers, Die Cutters, Flexographic Presses, Litho Labeling Systems, and Semi Tapers/Gluers. The report shall be submitted in accordance with Condition S-2 of this permit. [Other] |

## Permit to Operate Air Emissions Equipment at a Synthetic Minor Source

International Paper Company, Houston

Facility Requirements

Permit Number:0380-00003

Activity ID No.: PER20100001

Page 12 of 20

### EQPT0000000005 (AA-003) Maintenance Activities including: Parts Washing, Roller Cleaning, and Die Manufacturing:

#### Limitation Requirements:

---

| Condition No. | Parameter | Condition                                                                                                                                                                                                                                                                                                            |
|---------------|-----------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| L-1           |           | The permittee shall limit volatile organic compound (VOC) emissions to no more than 50.0 tons/year (TPY) as determined for each consecutive 12-month period. This is a total emission rate for Emission Points AA-003 and AA-005. [APC-S-2 II .B(10)]                                                                |
| L-2           |           | The permittee shall limit hazardous air pollutant (HAP) emissions to no more than 9.0 tons/year (TPY) of any single HAP and no more than 24.0 TPY of total combined HAPs as determined for each consecutive 12-month period. This is a total emission rate for Emission Points AA-003 and AA-005. [APC-S-2 II.B(10)] |

## Permit to Operate Air Emissions Equipment at a Synthetic Minor Source

International Paper Company, Houston

Facility Requirements

Permit Number:0380-00003

Activity ID No.: PER20100001

Page 13 of 20

### EQPT0000000006 (AB-001) a temporary emergency back up natural gas and virgin No. 2 fuel oil fired boiler up to 27.7 MMBtu/Hr:

#### Limitation Requirements:

| Condition No. | Parameter | Condition                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|---------------|-----------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| L-1           |           | <p><b>OPERATIONAL RESTRICTIONS</b></p> <p>(1)The permittee is authorized to burn as fuel, either natural gas, or virgin No. 2 fuel oil. The sulfur content of the fuel oil shall not exceed 0.5 % by weight.</p> <p>(2)For Emission Points AB-001 and AA-007, the permittee shall not fire more than 441,617 gallons total of virgin No. 2 fuel oil through the boilers on a 12-month rolling total. [APC-S-2 II.B(10)]</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| L-2           |           | <p><b>NSPS, 40 CFR 60, SUBPART Dc REQUIREMENTS (If applicable and for each startup):</b></p> <p>(1)The air emissions equipment shall be operated to comply with the emission limitations and other requirements of New Source Performance Standards, 40 CFR 60, Subpart Dc.</p> <p>(2)The permittee shall not burn fuel oil with a sulfur content greater than 0.5% by weight in accordance with 40 CFR 60.42c.</p> <p>(3)In accordance with 40 CFR 60.44c(h), the permittee shall demonstrate compliance with the sulfur dioxide standards based on fuel supplier certification. The permittee's performance test shall consist of the certification, in accordance with 40 CFR 60.48c(e)(11), and the certification from the fuel supplier, as described under 40 CFR 60.48c(f)(1), (2), or (3), as applicable.</p> <p>(4)For Emission Point AB-001, the permittee shall submit notification of the date of construction, anticipated startup, and actual startup in accordance with 40 CFR 60.48c(a).</p> <p>(5)The permittee shall keep records and submit reports as required under 40 CFR 60.48c(d) in accordance with 40 CFR 60.48c(e).</p> <p>(6)For Emission Point AB-001, the permittee shall record and maintain records of the amount and type of fuel combusted during each day when any fuel oil has been fired during that reporting quarter or the amount and type of fuel combusted monthly when firing only natural gas within that reporting quarter. All records should be maintained for a period of two years following the date of such record. These records shall be submitted in report form semiannually and shall be post-marked no later than thirty (30) days following the end of the semi-annual reporting periods ending June 30 and December 31 (Ref: 40 CFR 60.48c(g)(i) &amp;(j)). [40 CFR 60_SUBPART Dc]</p> |

## Permit to Operate Air Emissions Equipment at a Synthetic Minor Source

International Paper Company, Houston

Facility Requirements

Permit Number:0380-00003

Activity ID No.: PER20100001

Page 14 of 20

### EQPT0000000006 (continued):

#### Limitation Requirements:

| Condition No. | Parameter | Condition                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|---------------|-----------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| L-3           |           | Except as otherwise specified or limited herein, the permittee shall not cause, allow, or permit the discharge into the ambient air from any point source or emissions, any air contaminant of such opacity as to obscure an observer's view to a degree in excess of 40% opacity. This shall not apply to vision obscuration caused by uncombined water droplets. [APC-S-1 Section 3.2]                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| L-4           |           | Emission Point AB-001 may be subject to the requirements of the National Emission Standards for Hazardous Air Pollutants for Area Sources: Industrial, Commercial, and Institutional Boilers, 40 CFR Part 63, Subpart JJJJJ if the permittee burns No. 2 fuel oil as their primary fuel. At least forty five (45) days prior to the permittee switching fuels, the permittee shall submit a letter of notification. Upon submittal of the letter of notification, Emission Point AB-001 is subject to and shall comply with all applicable requirements of the National Emission Standards for Hazardous Air Pollutants for Area Sources: Industrial, Commercial, and Institutional Boilers, 40 CFR Part 63, Subpart JJJJJ by March 21, 2012 or immediately if startup of the burning of No 2 fuel oil occurs after this date. [40 CFR 63.Subpart JJJJJ] |

**Permit to Operate Air Emissions Equipment at a Synthetic Minor Source**

International Paper Company, Houston

Facility Requirements

Permit Number:0380-00003

Activity ID No.: PER20100001

**EQPT0000000006 (continued):**

**Record-Keeping Requirements:**

---

| Condition No. | Condition                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|---------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| R-1           | <p><b>RECORDKEEPING AND REPORTING REQUIREMENTS</b></p> <p>(1)For each shipment of fuel oil received, the permittee shall record the sulfur content.</p> <p>(2)The permittee shall monitor with recordkeeping the monthly amount of virgin No. 2 Fuel Oil fired for emission points AB-001 and AA-007.</p> <p>(3)All records shall be kept in log form and must be made available for review upon request during any inspection visit by Office of Pollution Control personnel. All records shall be maintained by the permittee for a period of five (5) years following the date of such record.</p> <p>(4)The permittee must submit certification of each startup for Emission Point AB-001. The notification(s) must be postmarked within fifteen (15) calendar days of the occurrence of the event.</p> <p>(5)The permittee must submit certification of each shutdown for Emission Point AB-001. The notification(s) must be postmarked within fifteen (15) calendar days of the occurrence of the event. [Other]</p> |

---

**Permit to Operate Air Emissions Equipment at a Synthetic Minor Source**

International Paper Company, Houston

Facility Requirements

Permit Number:0380-00003

Activity ID No.: PER20100001

**EQPT0000000008 (AA-007) the natural gas and virgin No. 2 fuel oil fired, 20.4 MMBtu/Hr Boiler:**

**Limitation Requirements:**

---

| Condition No. | Parameter | Condition                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|---------------|-----------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| L-1           |           | Except as otherwise specified or limited herein, the permittee shall not cause, allow, or permit the discharge into the ambient air from any point source or emissions, any air contaminant of such opacity as to obscure an observer's view to a degree in excess of 40% opacity. This shall not apply to vision obscuration caused by uncombined water droplets. [APC-S-1 Section 3.2]                                                                                                                                                                                                         |
| L-2           |           | OPERATIONAL RESTRICTIONS:<br><br>(1)The permittee is authorized to burn as fuel, either natural gas, or virgin No. 2 fuel oil.<br><br>(2)For Emission Points AB-001 and AA-007, the permittee shall not fire more than 441,617 gallons total of virgin No. 2 fuel oil through the boilers on a 12-month rolling total. [APC-S-2 II.B(10)]                                                                                                                                                                                                                                                        |
| L-3           |           | RECORDKEEPING AND REPORTING REQUIREMENTS:<br><br>(1)For each shipment of fuel oil received, the permittee shall record the sulfur content.<br><br>(2)The permittee shall monitor with recordkeeping the monthly amount of virgin No. 2 Fuel Oil fired for emission points AB-001 and AA-007.<br><br>(3)All records shall be kept in log form and must be made available for review upon request during any inspection visit by Office of Pollution Control personnel. All records shall be maintained by the permittee for a period of five (5) years following the date of such record. [Other] |

## Permit to Operate Air Emissions Equipment at a Synthetic Minor Source

International Paper Company, Houston

Facility Requirements

Permit Number:0380-00003

Activity ID No.: PER20100001

Page 17 of 20

### EQPT0000000008 (continued):

#### Limitation Requirements:

| Condition No. | Parameter | Condition                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|---------------|-----------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| L-4           |           | <p>NSPS, 40 CFR 60, SUBPART Dc REQUIREMENTS:</p> <p>(1)The air emissions equipment shall be operated to comply with the emission limitations and other requirements of New Source Performance Standards, 40 CFR 60, Subpart Dc.</p> <p>(2)The permittee shall not burn fuel oil with a sulfur content greater than 0.5% by weight in accordance with 40 CFR 60.42c.</p> <p>(3)In accordance with 40 CFR 60.44c(h), the permittee shall demonstrate compliance with the sulfur dioxide standards based on fuel supplier certification. The permittee's performance test shall consist of the certification, in accordance with 40 CFR 60.48c(e)(11), and the certification from the fuel supplier, as described under 40 CFR 60.48c(f)(1), (2), or (3), as applicable.</p> <p>(4)For Emission Point AA-007, the permittee shall submit notification of the date of construction, anticipated startup, and actual startup in accordance with 40 CFR 60.48c(a).</p> <p>(5)The permittee shall keep records and submit reports as required under 40 CFR 60.48c(d) in accordance with 40 CFR 60.48c(e).</p> <p>(6)For Emission Point AA-007, the permittee shall record and maintain records of the amount and type of fuel combusted during each day when any fuel oil has been fired during that reporting quarter or the amount and type of fuel combusted monthly when firing only natural gas within that reporting quarter. All records should be maintained for a period of two years following the date of such record. These records shall be submitted in report form semiannually and shall be post-marked no later than thirty (30) days following the end of the semi-annual reporting periods ending June 30 and December 31 (Ref: 40 CFR 60.48c(g)(i) &amp;(j)). [40 CFR 60_SUBPART Dc]</p> |
| L-5           |           | <p>Emission Point AA-007 may be subject to the requirements of the National Emission Standards for Hazardous Air Pollutants for Area Sources: Industrial, Commercial, and Institutional Boilers, 40 CFR Part 63, Subpart JJJJJ if the permittee burns No. 2 fuel oil as their primary fuel. At least forty five (45) days prior to the permittee switching fuels, the permittee shall submit a letter of notification. Upon submittal of the letter of notification, Emission Point AA-007 is subject to and shall comply with all applicable requirements of the National Emission Standards for Hazardous Air Pollutants for Area Sources: Industrial, Commercial, and Institutional Boilers, 40 CFR Part 63, Subpart JJJJJ by March 21, 2012 or immediately if startup of the burning of No 2 fuel oil occurs after this date. [40 CFR 63.Subpart JJJJJ]</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |

**Permit to Operate Air Emissions Equipment at a Synthetic Minor Source**

International Paper Company, Houston

Facility Requirements

Permit Number:0380-00003

Activity ID No.: PER20100001

**EQPT0000000009 (AA-008) the twenty six (26) natural gas fired space heaters with a combined heat input capacity of 18 MMBtu/hr:**

Limitation Requirements:

---

| Condition No. | Parameter | Condition                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|---------------|-----------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| L-1           |           | Except as otherwise specified or limited herein, the permittee shall not cause, allow, or permit the discharge into the ambient air from any point source or emissions, any air contaminant of such opacity as to obscure an observer's view to a degree in excess of 40% opacity. This shall not apply to vision obscuration caused by uncombined water droplets.<br><br>** The Opacity limitation only applies to the nine (9) space heaters in the roll room. [APC-S-1 Section 3.2] |

---

**Permit to Operate Air Emissions Equipment at a Synthetic Minor Source**

International Paper Company, Houston

Facility Requirements

Permit Number:0380-00003

Activity ID No.: PER20100001

**EQPT0000000010 (AA-009) the Bulk Starch Storage Silo equipped with a baghouse:**

Limitation Requirements:

---

| Condition No. | Parameter | Condition                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|---------------|-----------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| L-1           |           | <p>Except as otherwise specified, no person shall cause, permit, or allow the emission of particulate matter in total quantities in any one hour from any manufacturing process, which includes any associated stacks, vents, outlets, or combination thereof, to exceed the amount determined by the relationship</p> $E = 4.1 p^{0.67}$ <p>where E is the emission rate in pounds per hour and p is the process weight input rate in tons per hour.<br/>Conveyor discharge of coarse solid matter may be allowed if no nuisance is created beyond the property boundary where the discharge occurs. [APC-S-1 Section 3.6(a)]</p> |
| L-2           |           | <p>Except as otherwise specified or limited herein, the permittee shall not cause, allow, or permit the discharge into the ambient air from any point source or emissions, any air contaminant of such opacity as to obscure an observer's view to a degree in excess of 40% opacity. This shall not apply to vision obscuration caused by uncombined water droplets. [APC-S-1 Section 3.2]</p>                                                                                                                                                                                                                                    |

## Permit to Operate Air Emissions Equipment at a Synthetic Minor Source

International Paper Company, Houston

Facility Requirements

Permit Number:0380-00003

Activity ID No.: PER20100001

Page 20 of 20

### EQPT0000000010 (continued):

#### Monitoring Requirements:

| Condition No. | Parameter | Condition                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|---------------|-----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| M-1           |           | <p><b>BAGHOUSE CONTROL SYSTEM REQUIREMENT:</b></p> <p>(1) For the Baghouse associated with Emission Point AA-009, inspections shall be performed each month, or more often as needed, and maintenance shall be performed as dictated by inspection results so that proper operation of the baghouse is maintained. Records of any inspections and/or maintenance shall be kept in log form and must be made available for review upon request during any inspection visit by Office of Pollution Control personnel.</p> <p>(2)The permittee shall maintain on hand at all times sufficient equipment as is necessary to repair and/or overhaul the baghouse.</p> <p>(3)In the event of a failure of the bag house, the permittee shall cease operations until such time as repairs are made and the proper efficiency of the baghouse is restored.</p> <p>(4)The permittee shall install measuring devices as are necessary for monitoring and/or measurement of pressure drop across the baghouse. [Other]</p> |

## GENERAL INFORMATION

International Paper Company, Houston  
511 3rd Street  
Houston, MS  
Chickasaw County

### Alternate/Historic Identifiers

| ID           | Alternate/Historic Name              | User Group                    | Start Date | End Date   |
|--------------|--------------------------------------|-------------------------------|------------|------------|
| 798          | International Paper Company          | Official Site Name            | 12/15/1992 |            |
| 2801700003   | International Paper Company, Houston | Air-AIRS AFS                  | 10/12/2000 |            |
| MSD092117811 | International Paper Company, Houston | Hazardous Waste-EPA ID        | 10/12/2000 |            |
| 038000003    | International Paper Company, Houston | Air-State Operating           | 10/3/2000  | 10/3/2000  |
| 038000003    | International Paper Company, Houston | Air-State Operating           | 12/15/1992 | 7/1/1995   |
| MSR000895    | International Paper Company, Houston | GP-Baseline                   | 9/22/1993  | 7/13/1997  |
| MSP090631    | International Paper Company, Houston | Water - Pretreatment          | 9/28/1993  | 9/27/1998  |
| MSP090631    | International Paper Company, Houston | Water - Pretreatment          | 10/3/2000  | 10/3/2000  |
| MSP090631    | International Paper Company, Houston | Water - Pretreatment          | 3/9/2000   | 2/28/2005  |
| 038000003    | International Paper Company, Houston | Air-Synthetic Minor Operating | 1/12/2001  | 12/30/2005 |
| 798          | International Paper Company, Houston | No Exposure Certification     | 11/7/2000  | 10/19/2005 |
| MSP090631    | International Paper Company, Houston | Water - Pretreatment          | 5/19/2005  | 4/30/2010  |
| 798          | International Paper Company, Houston | No Exposure Certification     | 10/20/2005 | 6/10/2008  |
| 038000003    | International Paper Company, Houston | Air-Synthetic Minor Operating | 9/28/2006  | 8/31/2011  |
| MSR001852    | International Paper Company, Houston | GP-Baseline                   | 7/21/2008  | 11/2/2010  |
| MSP090631    | International Paper Company, Houston | Water - Pretreatment          | 8/26/2010  | 7/31/2015  |
| MSR001852    | International Paper Company, Houston | GP-Baseline                   | 11/2/2010  | 9/28/2015  |
| 038000003    | International Paper Company, Houston | Air-Synthetic Minor Operating | 10/10/2011 | 9/30/2016  |

**Basin:** Tombigbee River Basin

\*\*\* Official MDEQ Permit - Version 1.1 \*\*\*

## GENERAL INFORMATION

**Location Description:**PG- Plant Entrance (General). Data collected by Clift Jeter on 11/17/2005.

\*\*\* Official MDEQ Permit - Version 1.1 \*\*\*