DEPARTMENT OF ENVIRONMENTAL QUALITY

KATHLEEN BABINEAUX BLANCO
GOVERNOR

MIKE D. McDANIEL, Ph.D.
SECRETARY

Certified Mail No.

Activity No.: PER20070001
Agency Interest No. 328

Mr. F. Michael Craft
Mill Manager
International Paper
P.O. Box 999
Mansfield, Louisiana 71052

RE: Part 70 Operating Permit, Mansfield Mill
International Paper Company, Mansfield, Desoto Parish, Louisiana

Dear Mr. Craft:

This is to inform you that the permit modification for the above referenced facility has been approved under LAC 33:III.501. The permit is both a state preconstruction and Part 70 Operating Permit. The submittal was approved on the basis of the emissions reported and the approval in no way guarantees the design scheme presented will be capable of controlling the emissions as to the types and quantities stated. A new application must be submitted if the reported emissions are exceeded after operations begin. The synopsis, data sheets and conditions are attached herewith.

It will be considered a violation of the permit if all proposed control measures and/or equipment are not installed and properly operated and maintained as specified in the application.

Operation of this facility is hereby authorized under the terms and conditions of this permit. This authorization shall expire at midnight on the 22nd of July, 2009, unless a timely and complete renewal application has been submitted six months prior to expiration. Terms and conditions of this permit shall remain in effect until such time as the permitting authority takes final action on the application for permit renewal. The permit number and agency interest number cited above should be referenced in future correspondence regarding this facility.

Done this _____ day of _____, 2007.

Permit No.: 0760-00006-V8

Sincerely,

Chuck Carr Brown Ph.D.
Assistant Secretary
CCB:dcd
c: EPA Region VI

ENVIRONMENTAL **SERVICES**
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AIR PERMIT BRIEFING SHEET
AIR PERMITS DIVISION
LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

MANSFIELD MILL
AGENCY INTEREST NO.: 328
INTERNATIONAL PAPER COMPANY
MANSFIELD, DESOTO PARISH, LOUISIANA

I. Background

International Paper Company (IP) owns and operates a kraft pulp and paper mill near the city of Mansfield, Louisiana, in DeSoto Parish. The mill currently operates under Permit Nos. 0760-00006-V7, dated May 11, 2006, and PSD-LA-93(M-7), dated July 22, 2004.

This is the Part 70 operating permit for the facility.

II. Origin

A permit application and Emission Inventory Questionnaire were submitted by International Paper Company on February 27, 2007, requesting a Part 70 operating permit.

III. Description

Production activities at the Mansfield Mill include pulp production (SICC 2611) and linerboard production (SICC 2631). Primary operations at the mill include multiple fuel-fired boilers (power), wood pulping, chemical recovery, causticizing and lime recovery, a recycle area (de-inking), papermaking, and additional operations and equipment necessary to support these activities.

Power Operations

The Mansfield Mill currently produces all of the steam used by mill processes and includes five steam and/or power generating units and associated processes and equipment. Two power boilers, capable of firing multiple fuels, provide steam for mill production processes and power generation. Two recovery boilers, firing primarily black liquor, and a natural gas-fired stationary combustion turbine also provide steam for mill production processes and power generation. The turbine is equipped with a heat recovery steam generator (HRSG) duct burner, which generates steam from the turbine exhaust gases. Two package boilers can be rented for temporary backup to the steam generating units at the mill. Electricity is generated from three steam turbines and the gas turbine.

Fuels combusted in the Mansfield Mill steam and power generating units include fossil fuels, biomass fuels, and waste fuels (including tire derived fuel, or TDF). Fuels are generated on-site, delivered by truck or rail and stored on-site, or delivered by pipeline. Fuel storage operations include fuel oil (Nos. 2, 4, and 6 fuel oils, distillate grades, used or specification oil, and other petroleum mineral spirits) and gasoline storage and dispensing. Two No. 6 fuel oil storage tanks and two No. 2 fuel oil tanks comprise the majority of fossil fuel storage capacity at the facility.

No. 6 fuel oil can be fired in the power boilers, recovery furnaces, and the Lime Kiln; and No. 2 fuel oil can be burned in the power boilers, recovery furnaces, the Lime Kiln, and several stationary internal combustion (IC) engines. Other grades of fuel (i.e., No. 4, distillate, used, on-spec, or other petroleum mineral spirits) are combined with the Nos. 2 or 6 fuel oils in the existing storage tanks. Gasoline is stored at the facility for use in mobile

equipment. Currently, twelve stationary diesel-fired IC engines provide backup power generation capacity during power outages or other emergencies.

The Nos. 1 and 2 Power Boilers are rated at 760 MM Btu/hr and are permitted to burn bark/wood debris, paper, solid wood residuals (from saw mills, plywood mills, and oriented strand board mills and clarifier fiber sludge), creosote-treated railroad cross-ties, recycle plant sludge, unrecyclable old corrugated container material, bagasse, coal, no. 2 fuel oil, no. 4 fuel oil, no. 6 fuel oil, distillate grades of fuel oil, used on-specification oil, used petroleum mineral spirits, onsite fuel oil solids, natural gas, tire-derived fuel, solid paraffin, high caustic, pine tar fuels, conforming waste material, polyethylene wax, and woodwaste materials containing phenol-formaldehyde resin which is otherwise known as PlyTrim. The boilers are equipped with multi-cyclones followed by electrostatic precipitators (ESP) for particulate matter control.

Currently, all steam generated from the power boilers, duct burner/HRSG, and recovery boilers is sent to a common header. From this common header, steam can be sent to various mill processes (i.e., digesters and paper machines) or sent through one of the steam turbines to generate electricity. Any additional electricity needed is purchased from CLECO.

Pulping Operations

The Mansfield Mill has three pulping lines: Primary, Secondary, and Semi-chemical. Hardwood and/or softwood chips are cooked with white liquor in the Primary and Secondary Continuous Digesters. Hardwood chips are cooked with white and green liquor in the Semi-chemical Continuous Digester.

The pulp slurry from the digesters is refined, washed in diffusion washers, stored in high density storage tanks, and then sent to the paper machine area. Vents from the diffusion washers and associated filtrate tanks are collected in the high volume, low concentration (HVLC) system. Spent cooking liquor, or weak black liquor, from the diffusion washers is used to wash the pulp in the digesters and/or sent to the chemical recovery area. Gases from the digester system are routed through a series of condensers, scrubbed, and then incinerated in the Lime Kiln or back-up NCG Incinerator.

Turpentine is recovered as a byproduct from condensed gases from the pine pulping process. Overheads from the turpentine recovery process are routed through the low volume, high concentration (LVHC) NCG System.

Chemical Recovery Operations

Kraft and semi-chemical weak liquor form the pulping process is filtered and stored in separate weak black liquor tanks, or the Swing Black Liquor Storage Tank. The liquor combines and is concentrated in one of two parallel lines which include a six-effect evaporator system, intermediate storage, and a concentrator system.

Tall oil soap is produced as a byproduct of the evaporation process. Liquor is extracted from an intermediate stage of each evaporator system and sent to a dedicated soap skimmer where tall oil soap is skimmed from the top of the tank. The soap is then sent to collection tanks

and combined in the soap storage tank prior to being sent to the Tall Oil Plant. NCGs from the evaporator systems are partially condensed, and remaining gases are routed to the LVHC NCG system. Condensates are recycled to the diffusion washers and/or causticizing area. Targeted foul and combined evaporator condensates are collected in a closed collection system and hard-piped to the existing foul condensate tank or to the existing stripped condensate tank. The foul condensate tank is vented to the LVHC system and the stripped condensate tank is vented to the HVLC system. Condensates are hard-piped to any of the five existing diffusion washers. Any combined condensates not recycled to the diffusion washers are recycled to the causticizing area and used as dilution or wash water.

Liquor from the concentrators is combined and sent through the Intermediate and High Solids Concentrators, stored in the concentrated black liquor storage tank, and sent to liquor recovery. Brine from the Tall Oil Plant is introduced into the chemical recovery area prior to the Intermediate Solids Concentrator. The Mansfield Mill operates two liquor recovery systems that process concentrated liquor. The Mill recovers cooking chemicals by firing black liquor solids into either of two non-direct contact recovery boilers (No. 1 and No. 2 Recovery Boilers). The organics from the liquor are combusted to generate heat for process steam, while the inorganic chemicals collect in the bottom of the boilers in the form of molten smelt. Each boiler is fed heavy liquor and has its own associated smelt tank, electrostatic precipitator (ESP), and exhaust stack.

The molten smelt from each recovery boiler is directed to one of two dedicated tanks, where it is dissolved into weak wash or water to form green liquor, a prelude step to regenerating white liquor in the causticizing operation. Each smelt tank is equipped with a Ducon scrubber system designed to capture particulates and gaseous pollutants and return them to the tank.

Tall Oil Operations

The Tall Oil Plant produces crude tall oil (CTO) from black liquor soap. Black liquor soap is a byproduct of the kraft pulping process that contains fatty resins and oils that have wide commercial uses. CTO is produced in a process called tall oil acidulation, where black liquor soap is combined with sulfuric acid and steam in a continuous reactor, allowing the production of CTO from the mixture. The remaining liquid is a combination of lignin and a brine solution, composed primarily of sodium sulfate and water. The brine solution is introduced back into the recovery cycle for the reclamation of the chemical value (sodium and sulfur).

The Tall Oil Plant allows the mill to generate a maximum of 70,343 tons per year CTO. Emission sources from the plant include a Heel Liquor Sample Tank, soap storage, a continuous tall oil reactor, sulfuric acid storage, CTO storage tanks, and brine storage tanks. The Heel Liquor Sample Tank and soap storage tanks minimize emissions of VOC and TRS from downstream units as settled liquor is sent to weak black liquor storage. (Note: the Heel Liquor Sample Tank is only used during the first few minutes of soap unloading. The purpose of the tank is to collect any settled black liquor during transportation.) Most of the VOC from this liquor is volatilized in the evaporators and destroyed in the kiln. The reactor

is equipped with a wet scrubber for control of TRS emissions. In addition, the CTO storage tanks, brine receiver, and cleaner accepts tank are vented through the tall oil scrubber. The brine and settled black liquor from soap storage are introduced into the chemical recovery area. The settled black liquor from the Heel Liquor Sample Tank and soap storage are recycled to any of three weak liquor storage tanks, while the brine is reintroduced into the chemical recovery area prior to the Intermediate Solids Concentrator.

Causticizing and Lime Recovery Operations

In the causticizing/lime recovery area, dissolved smelt (called green liquor) from the smelt dissolving tanks is clarified, stored, and then mixed with lime (CaO) in the slaker. The sodium salts in the green liquor react with the CaO to form white liquor and lime mud ($CaCO_3$) in the causticizers. This white liquor/lime mud slurry is then clarified to separate the white liquor from the lime mud. The white liquor is sent to the digesters, and the lime mud is conditioned in the lime mud mix tank and washers, stored, thickened in the precoat filter, and then burned in the lime kiln to form CaO. Fuels burned in the lime kiln include natural gas, fuel oils (Nos. 2, 4, and 6, distillate grades, used or spec oil, and other petroleum mineral spirits) and LVHC NCG gases. The slaker and lime kiln are equipped with wet scrubbers. Weak wash from the lime mud washers is used to dissolve the inorganics in the smelt tank and for PM/TRS control in the smelt tank scrubbers.

Burnt lime from the lime kiln is conveyed to a lime silo for storage prior to being added to the slaker. The mill can also purchase fresh lime, which is blown from trucks and added to the same silo as the burnt lime. Fresh/reburnt lime is dropped into the slaker from the bottom of the silo. The lime silo and bucket elevator are exhausted through the slaker scrubber.

Gas Collection System

The Mansfield Mill operates two separate gas collection systems: HVLC and LVHC. In the HVLC System, vents collected from the stripped condensate tank, diffusion washers, and associated filtrate tanks are burned in the natural gas-fired HVLC Incinerator. Combusted gases pass through a quench tower and scrubber equipped with a mist eliminator and then out the stack, while the liquid is routed to the sewer system.

In the LVHC NCG System, NCG gases are collected in three separate lines. The concentrated pulp system collects NCGs from the digester and turpentine recovery systems. The dilute pulp system collects NCGs from the digester chip bin vents. The Powerhouse concentrated system collects NCGs from the evaporator, concentrator, and steam stripper systems.

The three inlet streams each pass through a wet scrubber and are normally burned in the lime kiln. The NCG Incinerator is a backup system used to destroy the NCGs in case the lime kiln is unavailable. The incinerator is kept running continuously on standby, burning natural gas so that it remains at a suitable operating temperature should the NCGs need to be diverted from the lime kiln.

Papermaking and Recycle Operations

The Mansfield Mill produces unbleached and white top linerboard and corrugating medium from the Nos. 1, 2, and 3 Paper Machines. Furnish for each of the machines can be either virgin pulp from the three pulp lines or recycled pulp from the recycle plant.

Virgin or recycle pulp from the pulp mill high density storage tanks or from the recycle storage tanks is sent to the low density storage tanks, where it is refined, screened, and combined with wet end additives prior to being diluted with recycled water at the primary and secondary head boxes of the machine. The low consistency slurry is then applied to the wire, where it forms the sheet. Water drains by gravity and by vacuum into a series of pits, while the wet sheet travels to the press and drier sections to remove the remaining water. Paper is cut and rolled onto finishing reels.

All paper machine water, called white water, is screened in the save-all to recover any lost fiber, and then either stored and recycled within the mill or sewered to the wastewater treatment plant. A fiber recovery system is also installed for the white water that is sent to the sewer. Recovered fiber is recycled back via the broke system. Scrap paper from the finishing operations is repulped and combined with the recovered fiber from the save-all in the broke storage chests. This pulp is then recycled to the primary machine chest.

The recycle plant consists of two lines. One line has a continuous repulper; the other has two batch repulpers in parallel. Two additional repulpers (EQT 153 and EQT 154) are permitted, but have not yet been constructed. The recycle plant is capable of processing old corrugated containers, mixed papers, and deinked fibers. The pulp slurry is screened, washed, and bleached (non-chlorine bleaching) prior to being sent to the low density storage tanks in the paper machine areas.

Additional Mill Operations

The Mansfield Mill maintains miscellaneous operations that support pulp and paper production. Operations in this area include wood supply, raw water treatment, wastewater collection and treatment, waste treatment and disposal, road traffic, maintenance, process cooling, quality control, and other support operations that are insignificant sources of regulated air pollutants. The Woodyard processes all wood used in the digesters and all woodwaste used as fuel in the power boilers.

Pine and hardwood logs are delivered by truck or railcar and processed separately. The logs are cut in the slasher, debarked, chipped, and conveyed to separate chip piles. Purchased chips are unloaded from trucks, screened, and conveyed to the hardwood or softwood chip pile. Hardwood chips are screened and conveyed to the Secondary or Semi-chemical Digesters; pine chips are screened and conveyed to the Primary or Secondary Digesters. The chip screens are enclosed, and the conveyors are partially or totally enclosed to minimize emissions during transport.

Bark and sawdust from the slashers, bark from the debarking drums, and fines from

purchased or own-make chip screening are conveyed to the bark pile and then fired in the Nos. 1 and 2 Power Boilers.

Raw water used in the Mill is pumped approximately 28 miles from the Toledo Bend Reservoir and used throughout the Mill as process and cooling water.

The wastewater from the Mansfield Mill consists of storm water from process areas, sanitary wastewater, and process wastewater from the papermaking, recycle, power, pulping, and causticizing and lime recovery operations. The process wastewater is sent to the primary clarifiers, where solids can be settled, and then treated by land application through spraying or wetlands flow. Currently, most of the wastewater is sprayed onto the land (~600 acres), with treated water being collected and piped five miles for discharge to the Red River. The remaining wastewater is pumped to a wetland area for treatment, with treated water being collected and piped to the Red River. A surge basin stores wastewater during times of excessive flow. The sanitary wastewater is pretreated, chlorinated, then applied to land in combination with the clarified process wastewater.

The Mansfield Mill disposes of process waste in an onsite landfill. Process waste includes ash from the power boilers, woodyard waste, sludge from the wastewater pretreatment process, recycle plant rejects, caustic plant waste (i.e., dregs, lime, and slaker grit), refuse, and miscellaneous waste (e.g., ditch clean-up).

Road traffic occurs from the delivery of raw materials (i.e., purchased chips, logs, paper machine additives, and chemicals) and the transport of products (i.e., paper, turpentine, and crude tall oil). Maintenance operations include welding and metal fabrication, painting, as well as routine equipment and building upkeep.

With this modification, International Paper proposes to:

- Incorporate a sulfur dioxide emissions cap on the power boilers (EQT 5 and EQT 35) in order to increase tire derived fuel (TDF) firing capabilities

Each power boiler will retain a sulfur dioxide BACT emissions limitation of 3,390.1 tons per year (tpy). Both boilers combined have a sulfur dioxide emissions cap of 4,195.70 tpy. The purpose of this emissions cap is to remove the restriction on the rate of TDF firing, yet remain below PSD applicability thresholds. This will allow Mansfield Mill to fire fuels in a more economical manner and also significantly reduce the potential to emit of these power boilers.

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Estimated emissions in tons per year are as follows:

Pollutant	Before	After	Change
PM_{10}	1392.05	1392.05	-
SO_2	8859.84	8859.84*	-
NO_X	6228.37	6228.37	-
CO	9270.47	9270.47	-
VOC	5175.66	5175.66	-
TRS	225.66	225.66	-

* This total does not reflect the combined emissions cap placed on both of the power boilers (EQT 5 and EQT 35), which is 4,195.70 tpy. When this cap is in effect, the total emissions limitation is 6275.34 tons per year.

Non-TAP VOC (TPY): 1985.17

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VOC includes the following TAP:

1,1,2-Trichloroethane	0.03
1,2,4-Trichlorobenzene[1]	6.2
1,2-Dichloropropane	0.06
1,3-Butadiene	<0.01
2,2,4-Trimethylpentane[1]	<0.01
Acetaldehyde	58.69
Acetophenone[1]	0.10
Acrolein	4.69
Benzene	4.35
Biphenyl	<0.01
Carbon disulfide	1.03
Chlorinated dibenzo furans	<0.0001
Chlorinated dibenzo-p-dioxins[2]	<0.0001
Chlorobenzene	<0.01
Chloroform	0.38
Chloromethane	0.24
Cresols	<0.01
Cumene	4.16
Ethylbenzene	0.39
Ethylene oxide	<0.01
Formaldehyde	33.37
Glycol ethers (Table 51.1)	1.80
n-Hexane	6.01
Hydroquinone[1]	0.05
Methanol	2976.69
Methyl ethyl ketone	18.80
Methyl isobutyl ketone	1.35
Naphthalenes	55.14
Phenol	1.08
PAH	0.83
Propionaldehyde	0.30
Styrene	3.64
Toluene	6.16
Trichloroethylene	0.14
Triethylamine[1]	<0.01
Xylenes	4.82
	3190.49

Non-TAP VOC:

Polycyclic organic matter[3]	55.65

Non-VOC non-TAP:

Chlorofluorocarbon -11	0.24
Chromium	6.4

Non-VOC TAP:

1,1,1-Trichloroethane	1.88
Ammonia (and compounds)	184.87
Antimony (and compounds)	0.22
Arsenic (and compounds)	0.10
Barium (and compounds)	45.27
Beryllium (and compounds)	0.62
Cadmium (and compounds)	0.04
Chlorine	0.56
Chromium VI (and compounds)	0.05
Cobalt[1] compounds	1.28
Copper (and compounds)	2.63
Dichloromethane	180.14
Hydrochloric acid	318.40
Hydrofluoric acid	34.06
Hydrogen sulfide[4]	124.84
Lead[1] compounds	0.42
Manganese (and compounds)	36.87
Mercury (and compounds)	0.16
Nickel (and compounds)	3.49
Selenium (and compounds)	0.31
Sulfuric acid	134.21
Tetrachloroethylene	0.36
Zinc (and compounds)	30.21
	1100.99

[1]supplemental list pollutant.
[2]includes 2,3,7,8-TCDB-p-dioxin.
[3]includes PAH.
[4]also a component of TRS, along with methyl mercaptan, dimethyl sulfide, and dimethyl disulfide.

IV. Type of Review

This permit was reviewed for compliance with 40 CFR 70 and the Louisiana Air Quality Regulations. New Source Performance Standards (NSPS), National Emission Standards for Hazardous Air Pollutants (NESHAP), and Prevention of Significant Deterioration (PSD) does not apply.

This facility is a major source of toxic air pollutants (TAPs) pursuant to LAC 33:III.Chapter 51. The Mill's power boilers will be subject to 40 CFR 63 Subpart DDDDD-National Emission Standards for Hazardous Air Pollutants for Industrial/Commercial/Institutional Boilers and Process Heaters.

V. Credible Evidence

Notwithstanding any other provisions of any applicable rule or regulation or requirement of this permit that state specific methods that may be used to assess compliance with applicable requirements, pursuant to 40 CFR Part 70 and EPA's Credible Evidence Rule, 62 Fed. Reg. 8314 (Feb. 24, 1997), any credible evidence or information relevant to whether a source would have been in compliance with applicable requirements if the appropriate performance or compliance test or procedure had been performed shall be considered for purposes of Title V compliance certifications. Furthermore, for purposes of establishing whether or not a person has violated or is in violation of any emissions limitation or standard or permit condition, nothing in this permit shall preclude the use, including the exclusive use, by any person of any such credible evidence or information.

VI. Public Notice

A notice requesting public comment on the permit was published in *The Advocate*, Baton Rouge, on <date>; and in *The Enterprise & Interstate Progress*, Mansfield, on <date>. A copy of the public notice was mailed to concerned citizens listed in the Office of Environmental Services Public Notice Mailing List on <date>. All comments will be considered prior to the final permit decision.

VII. Effects on Ambient Air

Dispersion Model(s) Used: None

VIII. General Condition XVII Activities

	Emission Rates - TPY					
Work Activity	VOC	TRS	H_2S	Acetaldehyde	Methanol	Methyl Ethyl Ketone
Turpentine Decanter Overflow Primary Standpipe	1.3	0.18	<0.01	0.01	0.87	0.08
Turpentine Decanter Overflow Secondary Standpipe	1.3	0.18	<0.01	0.01	0.87	0.08

IX. Insignificant Activities

ID No.:	Description	Operating Rate (Max) or Tank Capacity	Citation[1]
58-00a	Auxiliary Air Compressors Diesel Tank	2040 gals	A.3
58-00b	Auxiliary Generator Diesel Storage	1500 gals	A.3
58-00c	Fire Pumps Diesel Storage	280 gals	A.3
58-00d	Lake Pump Diesel Storage	1900 gals	A.3
58-00e	Lift Pit Pump Diesel Storage	550 gals	A.3
58-00f	Lime Kiln Fuel Oil Day Tank	7686 gals	A.3
58-00g	Effluent Clarifiers Diesel Storage	575 gals	A.3
58-00h	Solid Waste Contractor Shop Diesel Tank	550 gals	A.3
58-00i	Admin Building Diesel Generator Tank	550 gals	A.3
58-00j	Firewater Generator No. 3 PM Diesel Storage	550 gals	A.3
58-00k	Lift Pit No. 3 PM Diesel Storage	550 gals	A.3
58-05l	Lime Kiln Engine Diesel Storage Tank	560 gals	A.3
-	Caustic Storage Tanks	-	A.10
-	Water washing operations	-	A.7
-	Fuel-burning heating equipment	<1 MM Btu/hr	A.5
-	Laboratory equipment/vents	-	A.6
-	Package Boiler	-	B.32

[1]LAC 33:III.501.B.5

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MANSFIELD MILL
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MANSFIELD, DESOTO PARISH, LOUISIANA

X. Applicable Louisiana and Federal Air Quality Requirements

ID No.	Description		LAC 33:III.Chapter														
			5	9	11	13	15	2103	2111	2113	2115	2301	22	29*	51*	56	59
		Entire Facility	1	1	1	1				1				1	1	1	3
ARE 5	25-93	Landfill													1		
EQT 5	01-78	No. 1 Power Boiler			1	1	1								2		
EQT 6	03-78	Lime Kiln			1		1					1			1		
EQT 7	13-93	Gas Turbine/HRSG Stack			1		1								2		
EQT 8	56-98f	Crude Tall Oil – Tall Oil Reactor									1				1		
EQT 9	42-96	Soda Ash Unloading									1				1		
EQT 10	57-99	HVLC Incinerator			1		1					1			1		
EQT 12	33-93	Oxidized Starch Silo															
EQT 13	24-93	Wastewater Treatment													1		
EQT 14	08-78	Lime Slaker/Lime Handling									1				1		
EQT 15	06-78	No. 1 Smelt Dissolving Tank					1				1	1			1		
EQT 16	45-96	No. 2 Fuel Oil Bulk Tank						3							1		
EQT 17	28-93j	Process Liquor Tanks – Soap									1				1		
EQT 18	36-96	Caterpillar Back-up Diesel Air			1		1								2		
EQT 19	53-96	Boiler Feedwater/Steam													1		
EQT 21	34-93	Talc Silo															
EQT 22	61-01	Pearl Starch Silo															
EQT 23	56-98a	Crude Tall Oil – Soap Unloading													1		
EQT 24	56-98i	Crude Tall Oil – Tall Oil Loading													1		
EQT 25	09-78	NCG Incinerator			1		1					1			1		
EQT 26	38-96	Auxiliary Diesel Generator (No. 1)			1		1								2		
EQT 27	39-96	Auxiliary Diesel Generator (No. 2)			1		1								2		

X. Applicable Louisiana and Federal Air Quality Requirements

ID No.	Description		LAC 33:III.Chapter														
			5	9	11	13	15	2103	2111	2113	2115	2301	22	29*	51*	56	59
EQT 28	46-96	Detroit Diesel Fire-Water Pump No. 2			1		1								2		
EQT 29	47-96	Detroit Diesel Fire-Water Pump No. 3			1		1								2		
EQT 30	48-96	Clarifier Diesel Engine "Big Bubba"			1		1								2		
EQT 31	49-96	Waste Clarifier Diesel Engine			1		1								2		
EQT 32	50-96	Administration Building Diesel Generator			1		1								2		
EQT 33	51-96	Effluent Lift Pit Diesel Engine			1		1								2		
EQT 34	52-96	Mud Storage Diesel Generator			1		1								2		
EQT 35	02-78	No. 2 Power Boiler			1	1	1								2		
EQT 36	04-78	No. 1 Recovery Boiler					1					1			1		
EQT 37	05-78	No. 2 Recovery Boiler					1					1			1		
EQT 38	07-78	No. 2 Smelt Dissolving Tank					1				1	1			1		
EQT 39	20-93e	No. 1 Paper Machine – No. 1 White Water Storage Tank									1				1		
EQT 40	20-93f	No. 1 Paper Machine – No. 2 White Water Storage Tank									1				1		
EQT 41	20-93h	No. 1 Paper Machine – No. 1 Broke Storage Tank									1				1		
EQT 42	20-93i	No. 1 Paper Machine – No. 2 Broke Storage Tank									1				1		

X. Applicable Louisiana and Federal Air Quality Requirements

ID No.	Description		LAC 33:III.Chapter														
			5	9	11	13	15	2103	2111	2113	2115	2301	22	29*	51*	56	59
EQT 43	20-93j	Linerboard Whitewater Tank									1				1		
EQT 44	21-93e	No. 2 Paper Machine – White Water Storage Tank									1				1		
EQT 45	21-93g	No. 2 Paper Machine – Broke Storage Tank									1				1		
EQT 46	21-93h	Corrugated Medium Whitewater Tank									1				1		
EQT 47	22-01p	No. 3 Paper Machine – T/S Reclaims/Reject Tank									1				1		
EQT 48	22-93b	No. 3 Paper Machine – High Density Thickener Tank									1				1		
EQT 49	22-93f	No. 3 Paper Machine – T/S Excess White Water Tank									1				1		
EQT 50	22-93h	No. 3 Paper Machine – Filtered White Water Tank									1				1		
EQT 51	22-93i	No. 3 Paper Machine – B/S White Water Storage Tank									1				1		
EQT 52	22-93j	No. 3 Paper Machine – T/S White Water Storage Tank									1				1		
EQT 53	22-93l	No. 3 Paper Machine – Broke Storage Tank									1				1		
EQT 54	28-93a	PLT – Primary Weak Black Liquor Storage Tank East									1				1		
EQT 55	28-93b	PLT – Primary Weak Black Liquor Storage Tank West									1				1		

X. Applicable Louisiana and Federal Air Quality Requirements

ID No.	Description		LAC 33:III.Chapter														
			5	9	11	13	15	2103	2111	2113	2115	2301	22	29*	51*	56	59
EQT 56	28-93c	PLT – Secondary Weak Black Liquor Storage Tank									1				1		
EQT 57	28-93d	PLT – Semichemical Weak Black Liquor Storage Tank									1				1		
EQT 58	28-93e	PLT – Swing Weak Black Liquor Storage Tank									1				1		
EQT 59	28-93f	PLT – No. 1 Intermediate Black Liquor Storage Tank									1				1		
EQT 60	28-93g	PLT – No. 2 Intermediate Black Liquor Storage Tank									1				1		
EQT 61	28-93h	PLT – Heavy Black Liquor Storage Tank									1				1		
EQT 62	28-93k	PLT – Soap Skimmer Tank (No. 2)									1				1		
EQT 63	28-93l	PLT – Soap Collection Tank (No. 1)									1				1		
EQT 64	28-93m	PLT – Soap Collection Tank (No. 2)									1				1		
EQT 65	28-93n	PLT – Soap Storage Tank									1				1		
EQT 66	28-93o	Boilout Tank									1				1		
EQT 67	28-93p	No. 1 Spill Tank									1				1		
EQT 68	28-93q	No. 2 Spill Tank									1				1		
EQT 69	28-93r	#1 RB Black Liquor Dump Tank									1				1		
EQT 70	28-93s	#2 RB Black Liquor Dump Tank									1				1		

X. Applicable Louisiana and Federal Air Quality Requirements

ID No.	Description	LAC 33:III.Chapter														
		5	9	11	13	15	2103	2111	2113	2115	2301	22	29*	51*	56	59
EQT 71	29-93a Causticizing Area – No. 1 Green Liquor Clarifier									1				1		
EQT 72	29-93b Causticizing Area – No. 2 Green Liquor Clarifier									1				1		
EQT 73	29-93c Causticizing Area – No. 1 Green Liquor Storage Tank									1				1		
EQT 74	29-93d Causticizing Area – No. 2 Green Liquor Storage Tank									1				1		
EQT 75	29-93j Causticizing Area – No. 1 Weak Wash Tank									1				1		
EQT 76	29-93k Causticizing Area – No. 2 Weak Wash Tank									1				1		
EQT 77	29-93l Causticizing Area – No. 1 White Liquor Clarifier									1				1		
EQT 78	29-93m Causticizing Area – No. 2 White Liquor Clarifier									1				1		
EQT 79	29-93n Causticizing Area – No. 1 White Liquor Storage Tank									1				1		
EQT 80	29-93o Causticizing Area – No. 2 White Liquor Storage Tank									1				1		
EQT 81	29-93p Causticizing Area – No. 3 White Liquor Storage Tank									1				1		
EQT 82	29-93q Causticizing Area – Lime Mud Mix Tank									1				1		
EQT 83	29-93t Causticizing Area – Lime Mud Storage Tank									1				1		

X. Applicable Louisiana and Federal Air Quality Requirements

ID No.	Description		LAC 33:III.Chapter														
			5	9	11	13	15	2103	2111	2113	2115	2301	22	29*	51*	56	59
EQT 84	29-93v	Waste Clarifier									1				1		
EQT 85	29-93w	Sodium Hydrosulfide Tank #1													1		
EQT 86	29-93x	Sodium Hydrosulfide Tank #2													1		
EQT 87	31-93i	Pulp Mill Tanks – Primary High Density Chest A									1				1		
EQT 88	31-93j	Pulp Mill Tanks – Primary High Density Chest B									1				1		
EQT 89	31-93k	Pulp Mill Tanks – Primary High Density Chest C									1				1		
EQT 90	31-93l	Pulp Mill Tanks – Secondary High Density Chest									1				1		
EQT 91	31-93m	Pulp Mill Tanks – Semichemical High Density Chest									1				1		
EQT 92	31-93n	Pine Digester Dump Tank									1				1		
EQT 93	31-93o	Hardwood Digester Dump Tank									1				1		
EQT 94	31-93p	Semichemical Digester Dump Tank									1				1		
EQT 96	40-96	Unleaded Gasoline Bulk Tank						1							1		
EQT 98	43-96	No. 6 Fuel Oil Storage Tank															
EQT 99	44-96	Fuel Oil Day Tank (No. 6)															
EQT 100	56-98b	Crude Tall Oil – Soap Receiving Tank									1				1		

X. Applicable Louisiana and Federal Air Quality Requirements

ID No.		Description	LAC 33:III.Chapter														
			5	9	11	13	15	2103	2111	2113	2115	2301	22	29*	51*	56	59
EQT 101	56-98c	Crude Tall Oil – Soap Decanting Tank									1				1		
EQT 102	56-98d	Crude Tall Oil – Soap Blend Tank									1				1		
EQT 103	56-98e	Crude Tall Oil – Sulfuric Acid Storage Tank													1		
EQT 104	56-98g	Crude Tall Oil – Neutralized Brine Storage Tank									1				1		
EQT 105	56-98h	Crude Tall Oil – Brine Feed Tank									1				1		
EQT 106	56-98j	Crude Tall Oil – Heel Liquor Sample Tank									1						
EQT 107	59-00a	Sulfuric Acid Supply Tank													1		
EQT 108	59-00b	Demin Water Acid Mix Tank													1		
EQT 109	59-00c	#3 PM Acid Supply Tank													1		
EQT 110	59-00d	#3 PM Bulk Sulfuric Acid Tank													1		
EQT 111	14-93	Repulper #1													1		
EQT 112	15-93	Repulper #2													1		
EQT 113	16-93	Repulper #3													1		
EQT 114	20-01n	No. 1 PM – Semichemical Fiber Sidehill Washing									1				1		
EQT 115	20-01o	No. 1 PM – HW Refiner Low Density Chest									1				1		

X. Applicable Louisiana and Federal Air Quality Requirements

ID No.		Description	LAC 33:III.Chapter														
			5	9	11	13	15	2103	2111	2113	2115	2301	22	29*	51*	56	59
EQT 116	20-01p	No. 1 PM – Short Fiber Blend Chest									1				1		
EQT 117	20-93a	No. 1 PM – Grouped Source									1				1		
EQT 118	20-93b	No. 1 PM – Save-all Vent No. 1									1				1		
EQT 119	20-93c	No. 1 PM – Save-all Mixing Chest									1				1		
EQT 120	20-93d	No. 1 PM – Save-all White Water Filtrate Chest									1				1		
EQT 121	20-93g	No. 1 PM – Broke Repulper													1		
EQT 122	20-93k	#1 PM Secondary Pine Low Density Chest									1				1		
EQT 123	20-93l	#1 PM Primary Pine Low Density Chest									1				1		
EQT 124	20-93m	#1 PM Hardwood Low Density Chest									1				1		
EQT 125	21-04k	No. 2 PM – No. 2 PM Stock Chest									1				1		
EQT 126	21-93a	No. 2 PM – Grouped Source									1				1		
EQT 127	21-93b	No. 2 PM – Save-all Vent No. 1									1				1		
EQT 128	21-93c	No. 2 PM – Save-all Mixed Stock Chest									1				1		
EQT 129	21-93d	No. 2 PM – Save-all White Water Filtrate Chest									1				1		
EQT 130	21-93f	No. 2 PM – Broke Repulper													1		

X. Applicable Louisiana and Federal Air Quality Requirements

ID No.	Description		LAC 33:III.Chapter														
			5	9	11	13	15	2103	2111	2113	2115	2301	22	29*	51*	56	59
EQT 131	21-93i	#2 PM Pine Low Density Chest									1				1		
EQT 132	21-93j	#2 PM Semichemical Low Density Chest									1				1		
EQT 133	22-01n	No. 3 PM – HW Fiber Low Density Chest/Standpipes									1				1		
EQT 134	22-01o	No. 3 PM – Pine Fiber Low Density Chest/Standpipes									1				1		
EQT 135	22-93a	No. 3 PM – Grouped Source									1				1		
EQT 136	22-93c	No. 3 PM – Save-all Vent									1				1		
EQT 137	22-93d	No. 3 PM – Save-all Stock Chest									1				1		
EQT 138	22-93g	No. 3 PM – AES Filters													1		
EQT 139	22-93k	No. 3 PM – Broke Repulper													1		
EQT 140	22-93m	#3 PM Virgin Fiber Low Density Chest									1				1		
EQT 141	27-93	Process Chillers															
EQT 142	29-93e	Causticizing Area – Dregs Filter									1				1		
EQT 143	29-93f	Causticizing Area – No. 1 Causticizer									1				1		
EQT 144	29-93g	Causticizing Area – No. 2 Causticizer									1				1		
EQT 145	29-93h	Causticizing Area – No. 3 Causticizer									1				1		

X. Applicable Louisiana and Federal Air Quality Requirements

ID No.		Description	LAC 33:III.Chapter														
			5	9	11	13	15	2103	2111	2113	2115	2301	22	29*	51*	56	59
EQT 146	29-93i	Causticizing Area – No. 4 Causticizer									1				1		
EQT 147	29-93r	Causticizing Area – No. 1 Lime Mud Washer									1				1		
EQT 148	29-93s	Causticizing Area – No. 2 Lime Mud Washer									1				1		
EQT 149	29-93u	Causticizing Area – Lime Mud Precoat Filter									1				1		
EQT 150	30-93a	Black Liquor Filters – Secondary Black Liquor Filter									1				1		
EQT 151	30-93b	Black Liquor Filters – Primary Black Liquor Filter									1				1		
EQT 152	60-00	Fiber Reclaims System									1				1		
EQT 153	63-04	Repulper #4													1		
EQT 154	64-04	Repulper #5													1		
EQT 155	NCG-A	Primary Digester System									1	1			1		
EQT 156	NCG-B	Secondary Digester System									1	1			1		
EQT 157	NCG-C	Semichemical Digester System									1	1			1		
EQT 158	NCG-D	No. 1 Evaporator									1	1			1		
EQT 159	NCG-E	No. 2 Evaporator									1	1			1		
EQT 160	NCG-H	No. 1 Concentrator/Intermediate Solids Concentrator									1	1			1		

X. Applicable Louisiana and Federal Air Quality Requirements

ID No.	Description		LAC 33:III.Chapter														
			5	9	11	13	15	2103	2111	2113	2115	2301	22	29*	51*	56	59
EQT 161	NCG-I	No. 2 Concentrator System									1	1			1		
EQT 162	NCG-J	Condensate Stripper System									1	1			1		
EQT 163	NCG-K	Turpentine Decanter									1				1		
EQT 164	12A-78	Diffusion Washer Vent A													1		
EQT 165	12B-78	Diffusion Washer Vent B													1		
EQT 166	12C-78	Diffusion Washer Vent C													1		
EQT 167	12D-78	Diffusion Washer Vent D													1		
EQT 168	12E-78	Diffusion Washer Vent E													1		
EQT 169	NCG-L	Turpentine Storage						3									
EQT 170	28-93i	Stripped Condensate Tank													1		
EQT 171	31-93a	Primary Filtrate Tank Vent – Washer A (Vent A)													1		
EQT 172	31-93b	Primary Filtrate Tank Vent – Washer A (Vent B)													1		
EQT 173	31-93c	Primary Filtrate Tank Vent – Washer B (Vent A)													1		
EQT 174	31-93d	Primary Filtrate Tank Vent – Washer B (Vent B)													1		
EQT 175	31-93e	Secondary Filtrate Tank Vent – (Vent A)													1		

X. Applicable Louisiana and Federal Air Quality Requirements

ID No.		Description	LAC 33:III.Chapter														
			5	9	11	13	15	2103	2111	2113	2115	2301	22	29*	51*	56	59
EQT 176	31-93f	Secondary Filtrate Tank Vent – (Vent B)													1		
EQT 177	31-93g	Semi-chemical Filtrate Tank Vent – (Vent A)													1		
EQT 178	31-93h	Semi-chemical Filtrate Tank Vent – (Vent B)													1		
EQT 179	TO-A	Crude Tall Oil-Brine Receiver Tank									1				1		
EQT 180	TO-B	Crude Tall Oil-Cleaner Accepts Tank									1				1		
EQT 181	TO-C	Crude Tall Oil-Wet CTO Tank									1				1		
EQT 182	TO-D	Crude Tall Oil-Dry CTO Tank									1				1		
EQT 183	22-93e	No. 3 Paper Machine – B/S Excess White Water Tank									1				1		
EQT 184	32-93	Cationic Starch Silo															
EQT 185	NCG-M	High Solids Concentrator System									1	1			1		
EQT 186	65-05	Clarke Fire-Water Pump				1	1								2		
EQT 187	66-05	Lime Kiln Auxiliary Engine				1	1								2		
FUG 1	17-93	Coal Storage/Handling															
FUG 2	18-93	Ash Handling Operations															
FUG 3	19-93	Bark/Woodwaste/Sludge Handling															
FUG 4	23-93	Woodyard Grouped Source															

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

MANSFIELD MILL
AGENCY INTEREST NO.: 328
INTERNATIONAL PAPER COMPANY
MANSFIELD, DESOTO PARISH, LOUISIANA

X. Applicable Louisiana and Federal Air Quality Requirements

ID No.	Description		LAC 33:III.Chapter														
			5	9	11	13	15	2103	2111	2113	2115	2301	22	29*	51*	56	59
FUG 5	26-93	Haul Roads															
FUG 6	54-96	Paint Yard													1		
GRP 3	-	Pulping Condensates													1		

* The regulations indicated above are State Only regulations.

KEY TO MATRIX

1 -The regulations have applicable requirements that apply to this particular emission source.
-The emission source may have an exemption from control stated in the regulation. The emission source may not have to be controlled but may have monitoring, recordkeeping, or reporting requirements.

2 -The regulations have applicable requirements that apply to this particular emission source but the source is currently exempt from these requirements due to meeting a specific criterion, such as it has not been constructed, modified or reconstructed since the regulations have been in place. If the specific criteria changes the source will have to comply at a future date.

3 -The regulations apply to this general type of emission source (i.e. vents, furnaces, towers, and fugitives) but do not apply to this particular emission source.

Blank – The regulations clearly do not apply to this type of emission source.

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

MANSFIELD MILL
AGENCY INTEREST NO.: 328
INTERNATIONAL PAPER COMPANY
MANSFIELD, DESOTO PARISH, LOUISIANA

X. Applicable Louisiana and Federal Air Quality Requirements

ID No.		Description	40 CFR 60						40 CFR 61		40 CFR 63				40 CFR	
			A	D	Db	Kb	BB	GG	A	M	A	S	MM	DDDDD	64	68
		Entire Facility							1	1						3
ARE 5	25-93	Landfill														
EQT 5	01-78	No. 1 Power Boiler	1	1							1			1	1	
EQT 6	03-78	Lime Kiln	1				1				1	1	1		3	
EQT 7	13-93	Gas Turbine/HRSG Stack	1		1			1								
EQT 8	56-98f	Crude Tall Oil – Tall Oil Reactor														
EQT 9	42-96	Soda Ash Unloading														
EQT 10	57-99	HVLC Incinerator	1				1				1	1				
EQT 12	33-93	Oxidized Starch Silo													1	
EQT 13	24-93	Wastewater Treatment														
EQT 14	08-78	Lime Slaker/Lime Handling													1	
EQT 15	06-78	No. 1 Smelt Dissolving Tank	1				1				1		1		3	
EQT 16	45-96	No. 2 Fuel Oil Bulk Tank				3										
EQT 17	28-93j	Process Liquor Tanks – Soap Skimmer														
EQT 18	36-96	Caterpillar Back-up Diesel Air														
EQT 19	53-96	Boiler Feedwater/Steam Condensate														
EQT 21	34-93	Talc Silo														
EQT 22	61-01	Pearl Starch Silo													1	
EQT 23	56-98a	Crude Tall Oil – Soap Unloading														
EQT 24	56-98i	Crude Tall Oil – Tall Oil Loading														
EQT 25	09-78	NCG Incinerator	1				1				1	1				
EQT 26	38-96	Auxiliary Diesel Generator (No. 1)														
EQT 27	39-96	Auxiliary Diesel Generator (No. 2)														
EQT 28	46-96	Detroit Diesel Fire-Water Pump No. 2														

X. Applicable Louisiana and Federal Air Quality Requirements

ID No.	Description		40 CFR 60						40 CFR 61		40 CFR 63				40 CFR	
			A	D	Db	Kb	BB	GG	A	M	A	S	MM	DDDDD	64	68
EQT 29	47-96	Detroit Diesel Fire-Water Pump No. 3														
EQT 30	48-96	Clarifier Diesel Engine "Big Bubba"														
EQT 31	49-96	Waste Clarifier Diesel Engine														
EQT 32	50-96	Administration Building Diesel Generator														
EQT 33	51-96	Effluent Lift Pit Diesel Engine														
EQT 34	52-96	Mud Storage Diesel Generator														
EQT 35	02-78	No. 2 Power Boiler	1	1							1			1	1	
EQT 36	04-78	No. 1 Recovery Boiler	1				1				1		1		3	
EQT 37	05-78	No. 2 Recovery Boiler	1				1				1		1		3	
EQT 38	07-78	No. 2 Smelt Dissolving Tank	1				1				1		1		3	
EQT 39	20-93e	No. 1 Paper Machine – No. 1 White Water Storage Tank														
EQT 40	20-93f	No. 1 Paper Machine – No. 2 White Water Storage Tank														
EQT 41	20-93h	No. 1 Paper Machine – No. 1 Broke Storage Tank														
EQT 42	20-93i	No. 1 Paper Machine – No. 2 Broke Storage Tank														
EQT 43	20-93j	Linerboard Whitewater Tank														
EQT 44	21-93e	No. 2 Paper Machine – White Water Storage Tank														
EQT 45	21-93g	No. 2 Paper Machine – Broke Storage Tank														
EQT 46	21-93h	Corrugated Medium Whitewater Tank														

X. Applicable Louisiana and Federal Air Quality Requirements

ID No.	Description		40 CFR 60						40 CFR 61		40 CFR 63				40 CFR	
			A	D	Db	Kb	BB	GG	A	M	A	S	MM	DDDDD	64	68
EQT 47	22-01p	No. 3 Paper Machine – T/S Reclaims/Reject Tank														
EQT 48	22-93b	No. 3 Paper Machine – High Density Thickener Tank														
EQT 49	22-93f	No. 3 Paper Machine – T/S Excess White Water Tank														
EQT 50	22-93h	No. 3 Paper Machine – Filtered White Water Tank														
EQT 51	22-93i	No. 3 Paper Machine – B/S White Water Storage Tank														
EQT 52	22-93j	No. 3 Paper Machine – T/S White Water Storage Tank														
EQT 53	22-93l	No. 3 Paper Machine – Broke Storage Tank														
EQT 54	28-93a	PLT – Primary Weak Black Liquor Storage Tank East														
EQT 55	28-93b	PLT – Primary Weak Black Liquor Storage Tank West														
EQT 56	28-93c	PLT – Secondary Weak Black Liquor Storage Tank														
EQT 57	28-93d	PLT – Semichemical Weak Black Liquor Storage Tank														
EQT 58	28-93e	PLT – Swing Weak Black Liquor Storage Tank														

X. Applicable Louisiana and Federal Air Quality Requirements

ID No.	Description		40 CFR 60						40 CFR 61		40 CFR 63				40 CFR	
			A	D	Db	Kb	BB	GG	A	M	A	S	MM	DDDDD	64	68
EQT 59	28-93f	PLT – No. 1 Intermediate Black Liquor Storage Tank														
EQT 60	28-93g	PLT – No. 2 Intermediate Black Liquor Storage Tank														
EQT 61	28-93h	PLT – Heavy Black Liquor Storage Tank														
EQT 62	28-93k	PLT – Soap Skimmer Tank (No. 2)														
EQT 63	28-93l	PLT – Soap Collection Tank (No. 1)														
EQT 64	28-93m	PLT – Soap Collection Tank (No. 2)														
EQT 65	28-93n	PLT – Soap Storage Tank														
EQT 66	28-93o	Boilout Tank														
EQT 67	28-93p	No. 1 Spill Tank														
EQT 68	28-93q	No. 2 Spill Tank														
EQT 69	28-93r	#1 RB Black Liquor Dump Tank														
EQT 70	28-93s	#2 RB Black Liquor Dump Tank														
EQT 71	29-93a	Causticizing Area – No. 1 Green Liquor Clarifier														
EQT 72	29-93b	Causticizing Area – No. 2 Green Liquor Clarifier														
EQT 73	29-93c	Causticizing Area – No. 1 Green Liquor Storage Tank														
EQT 74	29-93d	Causticizing Area – No. 2 Green Liquor Storage Tank														
EQT 75	29-93j	Causticizing Area – No. 1 Weak Wash Tank														

X. Applicable Louisiana and Federal Air Quality Requirements

ID No.	Description		40 CFR 60						40 CFR 61		40 CFR 63				40 CFR	
			A	D	Db	Kb	BB	GG	A	M	A	S	MM	DDDDD	64	68
EQT 76	29-93k	Causticizing Area – No. 2 Weak Wash Tank														
EQT 77	29-93l	Causticizing Area – No. 1 White Liquor Clarifier														
EQT 78	29-93m	Causticizing Area – No. 2 White Liquor Clarifier														
EQT 79	29-93n	Causticizing Area – No. 1 White Liquor Storage Tank														
EQT 80	29-93o	Causticizing Area – No. 2 White Liquor Storage Tank														
EQT 81	29-93p	Causticizing Area – No. 3 White Liquor Storage Tank														
EQT 82	29-93q	Causticizing Area – Lime Mud Mix Tank														
EQT 83	29-93t	Causticizing Area – Lime Mud Storage Tank														
EQT 84	29-93v	Waste Clarifier														
EQT 85	29-93w	Sodium Hydrosulfide Tank #1														
EQT 86	29-93x	Sodium Hydrosulfide Tank #2														
EQT 87	31-93i	Pulp Mill Tanks – Primary High Density Chest A														
EQT 88	31-93j	Pulp Mill Tanks – Primary High Density Chest B														
EQT 89	31-93k	Pulp Mill Tanks – Primary High Density Chest C														

X. Applicable Louisiana and Federal Air Quality Requirements

ID No.	Description		40 CFR 60						40 CFR 61		40 CFR 63				40 CFR	
			A	D	Db	Kb	BB	GG	A	M	A	S	MM	DDDDD	64	68
EQT 90	31-93l	Pulp Mill Tanks – Secondary High Density Chest														
EQT 91	31-93m	Pulp Mill Tanks – Semichemical High Density Chest														
EQT 92	31-93n	Pine Digester Dump Tank														
EQT 93	31-93o	Hardwood Digester Dump Tank														
EQT 94	31-93p	Semichemical Digester Dump Tank														
EQT 96	40-96	Unleaded Gasoline Bulk Tank				3										
EQT 98	43-96	No. 6 Fuel Oil Storage Tank														
EQT 99	44-96	Fuel Oil Day Tank (No. 6)														
EQT 100	56-98b	Crude Tall Oil – Soap Receiving Tank														
EQT 101	56-98c	Crude Tall Oil – Soap Decanting Tank														
EQT 102	56-98d	Crude Tall Oil – Soap Blend Tank														
EQT 103	56-98e	Crude Tall Oil – Sulfuric Acid Storage Tank														
EQT 104	56-98g	Crude Tall Oil – Neutralized Brine Storage Tank														
EQT 105	56-98h	Crude Tall Oil – Brine Feed Tank														
EQT 106	56-98j	Crude Tall Oil – Heel Liquor Sample Tank														
EQT 107	59-00a	Sulfuric Acid Supply Tank														
EQT 108	59-00b	Demin Water Acid Mix Tank														
EQT 109	59-00c	#3 PM Acid Supply Tank														
EQT 110	59-00d	#3 PM Bulk Sulfuric Acid Tank														
EQT 111	14-93	Repulper #1														

X. Applicable Louisiana and Federal Air Quality Requirements

ID No.	Description		40 CFR 60						40 CFR 61		40 CFR 63				40 CFR	
			A	D	Db	Kb	BB	GG	A	M	A	S	MM	DDDDD	64	68
EQT 112	15-93	Repulper #2														
EQT 113	16-93	Repulper #3														
EQT 114	20-01n	No. 1 PM – Semichemical Fiber Sidehill Washing														
EQT 115	20-01o	No. 1 PM – HW Refiner Low Density Chest														
EQT 116	20-01p	No. 1 PM – Short Fiber Blend Chest														
EQT 117	20-93a	No. 1 PM – Grouped Source														
EQT 118	20-93b	No. 1 PM – Save-all Vent No. 1														
EQT 119	20-93c	No. 1 PM – Save-all Mixing Chest														
EQT 120	20-93d	No. 1 PM – Save-all White Water Filtrate Chest														
EQT 121	20-93g	No. 1 PM – Broke Repulper														
EQT 122	20-93k	#1 PM Secondary Pine Low Density Chest														
EQT 123	20-93l	#1 PM Primary Pine Low Density Chest														
EQT 124	20-93m	#1 PM Hardwood Low Density Chest														
EQT 125	21-04k	No. 2 PM – No. 2 PM Stock Chest														
EQT 126	21-93a	No. 2 PM – Grouped Source														
EQT 127	21-93b	No. 2 PM – Save-all Vent No. 1														
EQT 128	21-93c	No. 2 PM – Save-all Mixed Stock Chest														
EQT 129	21-93d	No. 2 PM – Save-all White Water Filtrate Chest														
EQT 130	21-93f	No. 2 PM – Broke Repulper														

X. Applicable Louisiana and Federal Air Quality Requirements

ID No.	Description		40 CFR 60						40 CFR 61		40 CFR 63				40 CFR	
			A	D	Db	Kb	BB	GG	A	M	A	S	MM	DDDDD	64	68
EQT 131	21-93i	#2 PM Pine Low Density Chest														
EQT 132	21-93j	#2 PM Semichemical Low Density Chest														
EQT 133	22-01n	No. 3 PM – HW Fiber Low Density Chest/Standpipes														
EQT 134	22-01o	No. 3 PM – Pine Fiber Low Density Chest/Standpipes														
EQT 135	22-93a	No. 3 PM – Grouped Source														
EQT 136	22-93c	No. 3 PM – Save-all Vent														
EQT 137	22-93d	No. 3 PM – Save-all Stock Chest														
EQT 138	22-93g	No. 3 PM – AES Filters														
EQT 139	22-93k	No. 3 PM – Broke Repulper														
EQT 140	22-93m	#3 PM Virgin Fiber Low Density Chest														
EQT 141	27-93	Process Chillers														
EQT 142	29-93e	Causticizing Area – Dregs Filter														
EQT 143	29-93f	Causticizing Area – No. 1 Causticizer														
EQT 144	29-93g	Causticizing Area – No. 2 Causticizer														
EQT 145	29-93h	Causticizing Area – No. 3 Causticizer														
EQT 146	29-93i	Causticizing Area – No. 4 Causticizer														
EQT 147	29-93r	Causticizing Area – No. 1 Lime Mud Washer														
EQT 148	29-93s	Causticizing Area – No. 2 Lime Mud Washer														

X. Applicable Louisiana and Federal Air Quality Requirements

ID No.	Description		40 CFR 60						40 CFR 61		40 CFR 63				40 CFR	
			A	D	Db	Kb	BB	GG	A	M	A	S	MM	DDDDD	64	68
EQT 149	29-93u	Causticizing Area – Lime Mud Precoat Filter														
EQT 150	30-93a	Black Liquor Filters – Secondary Black Liquor Filter														
EQT 151	30-93b	Black Liquor Filters – Primary Black Liquor Filter														
EQT 152	60-00	Fiber Reclaims System														
EQT 153	63-04	Repulper #4														
EQT 154	64-04	Repulper #5														
EQT 155	NCG-A	Primary Digester System	1				1				1	1				
EQT 156	NCG-B	Secondary Digester System	1				1				1	1				
EQT 157	NCG-C	Semichemical Digester System	1				1				1	1				
EQT 158	NCG-D	No. 1 Evaporator	1				1				1	1				
EQT 159	NCG-E	No. 2 Evaporator	1				1				1	1				
EQT 160	NCG-H	No. 1 Concentrator/Intermediate Solids Concentrator	1				1				1	1				
EQT 161	NCG-I	No. 2 Concentrator System	1				1				1	1				
EQT 162	NCG-J	Condensate Stripper System	1				1				1	1				
EQT 163	NCG-K	Turpentine Decanter									1	1				
EQT 164	12A-78	Diffusion Washer Vent A					3				1	1				
EQT 165	12B-78	Diffusion Washer Vent B					3				1	1				
EQT 166	12C-78	Diffusion Washer Vent C					3				1	1				
EQT 167	12D-78	Diffusion Washer Vent D					3				1	1				
EQT 168	12E-78	Diffusion Washer Vent E					3				1	1				

X. Applicable Louisiana and Federal Air Quality Requirements

ID No.	Description		40 CFR 60						40 CFR 61		40 CFR 63				40 CFR	
			A	D	Db	Kb	BB	GG	A	M	A	S	MM	DDDDD	64	68
EQT 169	NCG-L	Turpentine Storage				3										
EQT 170	28-93i	Stripped Condensate Tank									1	1				
EQT 171	31-93a	Primary Filtrate Tank Vent – Washer A (Vent A)									1	1				
EQT 172	31-93b	Primary Filtrate Tank Vent – Washer A (Vent B)									1	1				
EQT 173	31-93c	Primary Filtrate Tank Vent – Washer B (Vent A)									1	1				
EQT 174	31-93d	Primary Filtrate Tank Vent – Washer B (Vent B)									1	1				
EQT 175	31-93e	Secondary Filtrate Tank Vent – (Vent A)									1	1				
EQT 176	31-93f	Secondary Filtrate Tank Vent – (Vent B)									1	1				
EQT 177	31-93g	Semi-chemical Filtrate Tank Vent – (Vent A)									1	1				
EQT 178	31-93h	Semi-chemical Filtrate Tank Vent – (Vent B)									1	1				
EQT 179	TO-A	Crude Tall Oil-Brine Receiver Tank														
EQT 180	TO-B	Crude Tall Oil-Cleaner Accepts Tank														
EQT 181	TO-C	Crude Tall Oil-Wet CTO Tank														
EQT 182	TO-D	Crude Tall Oil-Dry CTO Tank														
EQT 183	22-93e	No. 3 Paper Machine – B/S Excess White Water Tank														
EQT 184	32-93	Cationic Starch Silo													1	

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

MANSFIELD MILL
AGENCY INTEREST NO.: 328
INTERNATIONAL PAPER COMPANY
MANSFIELD, DESOTO PARISH, LOUISIANA

X. Applicable Louisiana and Federal Air Quality Requirements

ID No.	Description		40 CFR 60						40 CFR 61		40 CFR 63				40 CFR	
			A	D	Db	Kb	BB	GG	A	M	A	S	MM	DDDDD	64	68
EQT 185	NCG-M	High Solids Concentrator System	1				1				1	1				
EQT 186	65-05	Clarke Fire-Water Pump														
EQT 187	66-05	Lime Kiln Auxiliary Engine														
FUG 1	17-93	Coal Storage/Handling														
FUG 2	18-93	Ash Handling Operations														
FUG 3	19-93	Bark/Woodwaste/Sludge Handling														
FUG 4	23-93	Woodyard Grouped Source														
FUG 5	26-93	Haul Roads														
FUG 6	54-96	Paint Yard														
GRP3	-	Pulping Condensates									1	1				

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

MANSFIELD MILL
AGENCY INTEREST NO.: 328
INTERNATIONAL PAPER COMPANY
MANSFIELD, DESOTO PARISH, LOUISIANA

KEY TO MATRIX

1 -The regulations have applicable requirements that apply to this particular emission source.
-The emission source may have an exemption from control stated in the regulation. The emission source may not have to be controlled but may have monitoring, recordkeeping, or reporting requirements.

2 -The regulations have applicable requirements that apply to this particular emission source but the source is currently exempt from these requirements due to meeting a specific criterion, such as it has not been constructed, modified or reconstructed since the regulations have been in place. If the specific criteria changes the source will have to comply at a future date.

3 -The regulations apply to this general type of emission source (i.e. vents, furnaces, towers, and fugitives) but do not apply to this particular emission source.

Blank – The regulations clearly do not apply to this type of emission source.

XI. Table 2. Explanation for Exemption Status or Non-Applicability of a Source

ID No:	Requirement	Notes
Facility-wide	LAC 33:III.1311 Emission Limits	DOES NOT APPLY. Applies to any operation, process, or activity from which particulate matter is emitted except the wood pulping industry, the primary aluminum industry (horizontal stud Soderberg and prebake processes), and the burning of fuel for indirect heating in which the products of combustion do not come into direct contact with process materials.
	LAC 33:III.Chapter 59 Chemical Accident Prevention Program	DOES NOT APPLY. Source does not produce, process, handle, or store any substance listed in 40 CFR 68.130 or Table 59.0 and 59.1 of LAC 33:III.Chapter 59 in amounts greater than the threshold quantities.
	40 CFR Part 68 Chemical Accident Prevention Provisions	DOES NOT APPLY. Source does not have more than a threshold quantity of a regulated substance in a process as determined under §68.115.
EQT 5 EQT 35	LAC 33:III.915 Emission Monitoring Requirements	EXEMPT. Sources are exempt from §915.A because they are subject to a new source performance standard promulgated in 40 CFR Part 60, that being NSPS Subpart D. §915.D

XI. Table 2. Explanation for Exemption Status or Non-Applicability of a Source

ID No:	Requirement	Notes
	LAC 33:III.1511 Continuous Emissions Monitoring	The continuous emissions monitoring requirements of §1511.A do not apply because the boilers are exempt from the emission monitoring requirements of 40 CFR Part 51, Appendix P (§915.D).
	LAC 33:III.5109 Comprehensive Toxic Air Pollutant Emission Control Program (STATE-ONLY)	EXEMPT. The administrative authority shall initiate a review of toxic air pollutants derived from the burning of wood residue fuel at pulp and paper mills. Emissions from the combustion of such fuel shall be regulated if the administrative authority determines that such regulation is appropriate and necessary. Until the administrative authority makes a final determination, emissions from the combustion of wood residue fuel are exempt from the provisions of LAC 33:III.5109. §5105.B.7
EQT 7	LAC 33:III.5109 Comprehensive Toxic Air Pollutant Emission Control Program (STATE-ONLY)	Emissions from the combustion of Group 1 virgin fossil fuels are exempt from the requirements of Subchapter A of LAC 33:III.Chapter 51. §5105.B.3.a

XI. Table 2. Explanation for Exemption Status or Non-Applicability of a Source

ID No:	Requirement	Notes
EQT 6 EQT 15 EQT 38	40 CFR 64 Compliance Assurance Monitoring	EXEMPT. CAM does not apply to emission limitations or standards proposed by the Administrator after November 15, 1990 pursuant to section 111 or 112 of the Act. Sources are subject to particulate standards under §63.862 of 40 CFR 63 Subpart MM. §64.2(b)(1)(i)
EQT 36 EQT 37	LAC 33:III.915 Emission Monitoring Requirements	EXEMPT. Boilers are exempt from the SO_2, NO_X, and O_2/CO_2 emission monitoring requirements of 40 CFR Part 51, Appendix P. • SO_2 CEMS not required because no SO_2 pollution control equipment has been installed. (2.1.2) • NO_X CEMS not required because boilers have a heat input less than 1000 MM BTU/hr and DeSoto Parish is in attainment for NO_X. (2.1.3) • O_2 or CO_2 CMS not required because SO_2 and NO_X CEMS are not required. (2.1.4)
	LAC 33:III.1511 Continuous Emissions Monitoring	The continuous emissions monitoring requirements of §1511.A do not apply because an SO_2 CEMS is not required per 40 CFR Part 51, Appendix P (§915.A).

XI. Table 2. Explanation for Exemption Status or Non-Applicability of a Source

ID No:	Requirement	Notes
	40 CFR 60 Subpart D Standards of Performance for Fossil-Fuel-Fired Steam Generators for Which Construction is Commenced After August 17, 1971	Maintain annual capacity factor for fossil fuel below 10%.
	40 CFR 64 Compliance Assurance Monitoring	EXEMPT. CAM does not apply to emission limitations or standards proposed by the Administrator after November 15, 1990 pursuant to section 111 or 112 of the Act. Boilers are subject to particulate standards under §63.862 of 40 CFR 63 Subpart MM. §64.2(b)(1)(i)
EQT 18 EQT 26 EQT 27 EQT 28 EQT 29 EQT 30 EQT 31 EQT 32 EQT 33 EQT 34 EQT 186 EQT 187	LAC 33:III.5109 Comprehensive Toxic Air Pollutant Emission Control Program (STATE-ONLY)	Emissions from the combustion of Group 1 virgin fossil fuels are exempt from the requirements of Subchapter A of LAC 33:III.Chapter 51. §5105.B.3.a
EQT 16 EQT 169	LAC 33:III.2103 Storage of Volatile Organic Compounds	DOES NOT APPLY. Contents have a true vapor pressure less than 1.5 psia at storage conditions.

XI. Table 2. Explanation for Exemption Status or Non-Applicability of a Source

ID No:	Requirement	Notes
	40 CFR 60 Subpart Kb VOL Storage Vessels (Including Petroleum Liquid Storage Vessels) for Which Construction, Reconstruction, or Modification Commenced after July 23, 1984	DOES NOT APPLY. Capacity is less than 75 cubic meters (~19,815 gallons). §60.110b(a)
EQT 96	40 CFR 60 Subpart Kb VOL Storage Vessels (Including Petroleum Liquid Storage Vessels) for Which Construction, Reconstruction, or Modification Commenced after July 23, 1984	DOES NOT APPLY. Capacity is less than 75 cubic meters (~19,815 gallons). §60.110b(a)
EQT 96 EQT 98 EQT 99	LAC 33:III.2103 Storage of Volatile Organic Compounds	DOES NOT APPLY. Contents have a true vapor pressure less than 1.5 psia at storage conditions.
	40 CFR 60 Subpart Ka Storage Vessels for Petroleum Liquids for Which Construction, Reconstruction, or Modification Commenced After May 18, 1978, and Prior to July 23, 1984	DOES NOT APPLY. No. 6 fuel oil is not considered a petroleum liquid. §60.111a(b) Constructed in 1981.
EQT 100	LAC 33:III.2103 Storage of Volatile Organic Compounds	DOES NOT APPLY. Contents have a true vapor pressure less than 1.5 psia at storage conditions.
	40 CFR 60 Subpart Kb VOL Storage Vessels (Including Petroleum Liquid Storage Vessels) for Which Construction, Reconstruction, or Modification Commenced after July 23, 1984	DOES NOT APPLY. Capacity is less than 75 cubic meters (~19,815 gallons). §60.110b(a)
EQT 164 EQT 165 EQT 166 EQT 167 EQT 168	40 CFR 60 Subpart BB Standards of Performance for Kraft Pulp Mills	EXEMPT. Diffusion washers are excluded from the definition of brown stock washer system. §60.281(e)

XI. Table 2. Explanation for Exemption Status or Non-Applicability of a Source

ID No:	Requirement	Notes
EQT 6 EQT 7 EQT 10 EQT 15 EQT 18 EQT 25 EQT 26 EQT 27 EQT 28 EQT 29 EQT 30 EQT 31 EQT 32 EQT 33 EQT 34 EQT 38 EQT 186 EQT 187	Emission Standards for Sulfur Dioxide [LAC 33:III.1503]	EXEMPT. Sources emit less than 250 tons per year of sulfur dioxide. [LAC 33:III.1503.C]

The above table provides explanation for either the exemption status or non-applicability of a source cited by 1, 2 or 3 in the matrix presented in Section X (Table 1) of this permit.

40 CFR PART 70 GENERAL CONDITIONS

A. The term of this permit shall be five (5) years from date of issuance. An application for a renewal of this 40 CFR Part 70 permit shall be submitted to the administrative authority no later than six months prior to the permit expiration date. Should a complete permit application not be submitted six months prior to the permit expiration date, a facility's right to operate is terminated pursuant to 40 CFR Section 70.7(c)(ii). Operation may continue under the conditions of this permit during the period of the review of the application for renewal. [LAC 33:III.507.E.1, E.3, E.4, reference 40 CFR 70.6(a)(2)]

B. The conditions of this permit are severable; and if any provision of this permit or the application of any provision of this permit to any circumstance is held invalid, the application of such provision to other circumstances, and the remainder of this permit, shall not be affected thereby. [Reference 40 CFR 70.6(a)(5)]

C. Permittee shall comply with all conditions of the 40 CFR Part 70 permit. Any permit noncompliance constitutes a violation of the Clean Air Act and is grounds for enforcement action; for permit termination, revocation and reissuance, or modification; or for denial of a permit renewal application. This permit may be modified, revoked, reopened and reissued, or terminated for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any permit condition. [LAC 33:III.507.B.2, reference 40 CFR 70.6(a)(6)(i) & (iii)]

D. 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. [Reference 40 CFR 70.6(a)(6)(ii)]

E. This permit does not convey any property rights of any sort, or an exclusive privilege. [Reference 40 CFR 70.6(a)(6)(iv)]

F. The permittee shall furnish to the permitting authority, within a reasonable time, any information that the permitting authority 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 the permitting authority copies of records required to be kept by the permit or, for information claimed to be confidential, the permittee may furnish such records directly to the Administrator along with a claim of confidentiality. A claim of confidentiality does not relieve the permittee of the requirement to provide the information. [LAC 33:III.507.B.2, 517.F, reference 40 CFR 70.6(a)(6)(v)]

G. Permittee shall pay fees in accordance with LAC 33:III.Chapter 2 and 40 CFR Section 70.6(a)(7). [LAC 33:III.501.C.2, reference 40 CFR 70.6(a)(7)]

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

1. enter upon the permittee's premises where a 40 CFR Part 70 source is located or emission-related activity is conducted, or where records must be kept under the conditions of the permit [LAC 33:III.507.H.2, reference 40 CFR 70.6(c)(2)(i)];

2. have access to and copy, at reasonable times, any records that must be kept under the conditions of the permit [LAC 33:III.507.H.2, reference 40 CFR 70.6(c)(2)(ii)];

3. inspect at reasonable times any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under the permit [LAC 33:III.507.H.2, reference 40 CFR 70.6(c)(2)(iii)]; and

4. as authorized by the Clean Air Act, sample or monitor at reasonable times substances or parameters for the purpose of assuring compliance with the permit or applicable requirements. [LAC 33:III.507.H.2, reference 40 CFR 70.6(c)(2)(iv)]

I. All required monitoring data and supporting information shall be kept available for inspection at the facility or alternate location approved by the agency for a period of at least five (5) years from the date of the monitoring sample, measurement, report, or application. Supporting information includes calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation, and all reports required by the permit.
[Reference 40 CFR 70.6(a)(3)(ii)(B)]

J. Records of required monitoring shall include the following:

1. the date, place as defined in the permit, and time of sampling or measurements;
2. the date(s) analyses were performed;
3. the company or entity that performed the analyses;
4. the analytical techniques or methods used;
5. the results of such analyses; and
6. the operating conditions as existing at the time of sampling or measurement.

[Reference 40 CFR 70.6(a)(3)(ii)(A)]

K. Permittee shall submit at least semiannually, reports of any required monitoring, clearly identifying all instances of deviations from permitted monitoring requirements, certified by a responsible company official. For previously reported deviations, in lieu of attaching the individual deviation reports, the semiannual report may clearly reference the communication(s)/correspondence(s) constituting the prior report, including the date the prior report was submitted. The semiannual reports shall be submitted to the Office of Environmental Compliance, Enforcement Division by March 31 for the preceding period encompassing July through December and September 30 for the preceding period encompassing January through June. Any quarterly deviation report required to be submitted by March 31 or September 30 in accordance with Part 70 General Condition R may be consolidated with the semi-annual reports required by this general condition as long as the report clearly indicates this and all required information is included and clearly delineated in the consolidated report. [LAC 33:III.507.H, reference 40 CFR 70.6(a)(3)(iii)(A)]

L. The permittee shall submit at least semiannual reports on the status of compliance pursuant to 40 CFR Section 70.5 (c) (8) and a progress report on any applicable schedule of compliance pursuant to 40 CFR Section 70.6 (c) (4). [LAC 33:III.507.H.1, reference 40 CFR 70.6(c)(4)]

M. Compliance certifications per LAC 33:III.507.H.5 shall be submitted to the Administrator as well as the permitting authority. For previously reported compliance deviations, in lieu of attaching the individual deviation reports, the annual report may clearly reference the communication(s)/correspondence(s) constituting the prior report, including the date the prior report was submitted. The compliance certifications shall be submitted to the Office of Environmental Compliance, Enforcement Division by March 31 for the preceding calendar year. [LAC 33:III.507.H.5, reference 40 CFR 70.6(c)(5)(iv)]

N. If the permittee seeks to reserve a claim of an affirmative defense as provided in LAC 33:III.507.J.2, the permittee shall, in addition to any emergency or upset provisions in any applicable regulation, notify the permitting authority within 2 working days of the time when emission limitations were exceeded due to the occurrence of an upset. In the event of an upset, as defined under LAC 33:III.507.J, which results in excess emissions, the permittee shall demonstrate through properly signed, contemporaneous operating logs, or other relevant evidence that: 1) an

emergency occurred and the cause was identified; 2) the permitted facility was being operated properly at the time; and 3) during the emergency the permittee took all reasonable steps to minimize levels of emissions that exceeded the emission standard or requirement of the permit. [LAC 33:III.507.J.2, reference 40 CFR 70.6(g)(3)(iv) & (i-iii)]

O. Permittee shall maintain emissions at a level less than or equal to that provided for under the allowances that the 40 CFR Part 70 source lawfully holds under Title IV of the Clean Air Act or the regulations promulgated thereunder. No permit revision shall be required for increases in emissions that are authorized by allowances acquired pursuant to the acid rain program, provided that such increases do not require a permit revision under any other applicable requirement. No limit shall be placed on the number of allowances held by the source. The source may not, however, use allowances as a defense to noncompliance with any other applicable requirement. Any such allowance shall be accounted for according to the procedures established in regulations promulgated under Title IV of the Clean Air Act. [Reference 40 CFR 70.6(a)(4)]

P. Any permit issued pursuant to 40 CFR Part 70 may be subject to reopening prior to the expiration of the permit for any of the conditions specified in 40 CFR Section 70.7(f) or LAC 33:III.529. [LAC 33:III.529.A-B, reference 40 CFR 70.7(f)]

Q. Permittee may request an administrative amendment to the permit to incorporate test results from compliance testing if the following criteria are met:

1. the changes are a result of tests performed upon start-up of newly constructed, installed, or modified equipment or operations;

2. increases in permitted emissions will not exceed five tons per year for any regulated pollutant;

3. increases in permitted emissions of Louisiana toxic air pollutants or of federal hazardous air pollutants would not constitute a modification under LAC 33:III. Chapter 51 or under Section 112 (g) of the Clean Air Act;

4. changes in emissions would not require new source review for prevention of significant deterioration or nonattainment and would not trigger the applicability of any federally applicable requirement;

5. changes in emissions would not qualify as a significant modification; and

6. the request is submitted no later than 12 months after commencing operation. [LAC 33:III.523.A, reference 40 CFR 70.7(d)]

R. Permittee shall submit prompt reports of all permit deviations as specified below to the Office of Environmental Compliance, Enforcement Division. All such reports shall be certified by a responsible official in accordance with 40 CFR 70.5(d).

1. A written report shall be submitted within 7 days of any emission in excess of permit requirements by an amount greater than the Reportable Quantity established for that pollutant in LAC 33.I.Chapter 39.

2. A written report shall be submitted within 7 days of the initial occurrence of any emission in excess of permit requirements, regardless of the amount, where such emission occurs over a period of seven days or longer.

3. A written report shall be submitted quarterly to address all permit deviations not included in paragraphs 1 or 2 above. Unless required by an applicable reporting requirement, a written report is not required during periods in which there is no deviation. The quarterly deviation reports submitted on March 31 and September 30 may be consolidated with the semi-annual reports required by Part 70 General Condition K as long as the report clearly indicates this and all required information is included and clearly delineated in the consolidated report. For previously reported permit deviations, in lieu of attaching the individual deviation reports, the quarterly report may clearly reference the communication(s)/correspondence(s) constituting the prior report, including the date the prior report was submitted. The schedule for submittal of quarterly reports shall be no later than the dates specified below for any permit deviations occurring during the corresponding specified calendar quarter:

   a. Report by June 30 to cover January through March
   b. Report by September 30 to cover April through June
   c. Report by December 31 to cover July through September
   d. Report by March 31 to cover October through December

4. Any written report submitted in advance of the timeframes specified above, in accordance with an applicable regulation, may serve to meet the reporting requirements of this condition provided such reports are certified in accordance with 40 CFR 70.5(d) and contain all information relevant to the permit deviation. Reporting under this condition does not relieve the permittee from the reporting requirements of any applicable regulation, including LAC 33.I.Chapter 39, LAC 33.III.Chapter 9, and LAC 33.III.5107. [Reference 40 CFR 70.6(a)(3)(iii)(B)]

S. Permittee shall continue to comply with applicable requirements on a timely basis, and will meet on a timely basis applicable requirements that become effective during the permit term. [Reference 40 CFR 70.5(c)(8)(iii)]

T. The permittee shall comply with the standards for recycling and emissions reduction pursuant to 40 CFR Part 82, Subpart F, except as provided for Motor Vehicle Air Conditioners (MVACs) in Subpart B:

1. Persons opening appliances for maintenance, service, repair, or disposal must comply with the required practices pursuant to 40 CFR 82.156;

2. Equipment used during the maintenance, service, repair, or disposal of appliances must comply with the standards for recycling and recovery equipment pursuant to 40 CFR 82.158;

3. Persons performing maintenance, service, repair, or disposal of appliances must be certified by an approved technician certification program pursuant to 40 CFR 82.161;

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

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

6. Owners/operators of appliances normally containing 50 or more pounds of refrigerant must keep records of refrigerant purchased and added to such appliances pursuant to 40 CFR 82.166. [Reference 40 CFR 82, Subpart F]

U. If the permittee performs a service on motor (fleet) vehicles when this service involves ozone-depleting substance refrigerant (or regulated substitute substance) in the motor vehicle air conditioner (MVAC), the permittee is subject to all the applicable requirements as specified in 40 CFR Part 82, Subpart B, Servicing of Motor Vehicle Air Conditioners.

The term "motor vehicle" as used in Subpart B does not include a vehicle in which final assembly of the vehicle has not been completed. The term "MVAC" as used in Subpart B does not include the air-tight sealed refrigeration system used as refrigerated cargo, or system used on passenger buses using HCFC-22 refrigerant. [Reference 40 CFR 82, Subpart B]

V. Data availability for continuous monitoring or monitoring to collect data at specific intervals: Except for monitoring malfunctions, associated repairs, and required quality assurance or control activities (including calibration checks and required zero and span adjustments), the permittee shall conduct all monitoring in continuous operation (or shall collect data at all required intervals) at all times that the emissions unit is operating. For purposes of reporting monitoring deviations under Part 70 General Conditions K and R, and unless otherwise provided for in the Specific Requirements (or Table 3) of this permit, the minimum degree of data availability shall be at least 90% (based on a monthly average) of the operating time of the emissions unit or activity being monitored. This condition does not apply to Leak Detection and Repair (LDAR) programs for fugitive emissions (e.g., 40 CFR 60 Subpart VV, 40 CFR 63 Subpart H).

LOUISIANA AIR EMISSION PERMIT
GENERAL CONDITIONS

I. This permit is issued on the basis of the emissions reported in the application for approval of emissions and in no way guarantees that the design scheme presented will be capable of controlling the emissions to the type and quantities stated. Failure to install, properly operate and/or maintain all proposed control measures and/or equipment as specified in the application and supplemental information shall be considered a violation of the permit and LAC 33:III.501. If the emissions are determined to be greater than those allowed by the permit (e.g. during the shakedown period for new or modified equipment) or if proposed control measures and/or equipment are not installed or do not perform according to design efficiency, an application to modify the permit must be submitted. All terms and conditions of this permit shall remain in effect unless and until revised by the permitting authority.

II. The permittee is subject to all applicable provisions of the Louisiana Air Quality Regulations. Violation of the terms and conditions of the permit constitutes a violation of these regulations.

III. The Emission Rates for Criteria Pollutants, Emission Rates for TAP/HAP & Other Pollutants, and Specific Requirements sections or, where included, Emission Inventory Questionnaire sheets establish the emission limitations and are a part of the permit. Any operating limitations are noted in the Specific Requirements or, where included, Tables 2 and 3 of the permit. The synopsis is based on the application and Emission Inventory Questionnaire dated February 27, 2007.

IV. This permit shall become invalid, for the sources not constructed, if:

A. Construction is not commenced, or binding agreements or contractual obligations to undertake a program of construction of the project are not entered into, within two (2) years (18 months for PSD permits) after issuance of this permit, or;

B. If construction is discontinued for a period of two (2) years (18 months for PSD permits) or more.

The administrative authority may extend this time period upon a satisfactory showing that an extension is justified.

This provision does not apply to the time period between construction of the approved phases of a phased construction project. However, each phase must commence construction within two (2) years (18 months for PSD permits) of its projected and approved commencement date.

V. The permittee shall submit semiannual reports of progress outlining the status of construction, noting any design changes, modifications or alterations in the construction schedule which have or may have an effect on the emission rates or ambient air quality levels. These reports shall continue to be submitted until such time as construction is certified as being complete. Furthermore, for any significant change in the design, prior approval shall be obtained from the Office of Environmental Services, Air Permits Division.

VI. The permittee shall notify the Department of Environmental Quality, Office of Environmental Services, Air Permits Division within ten (10) calendar days from the date that construction is certified as complete and the estimated date of start-up of operation. The appropriate Regional Office shall also be so notified within the same time frame.

VII. Any emissions testing performed for purposes of demonstrating compliance with the limitations set forth in paragraph III shall be conducted in accordance with the methods described in the Specific Conditions and, where included, Tables 1, 2, 3, 4, and 5 of this permit. Any deviation from or modification of the methods used for testing shall have prior approval from the Office of Environmental Assessment, Air Quality Assessment Division.

VIII. The emission testing described in paragraph VII above, or established in the specific conditions of this permit, shall be conducted within sixty (60) days after achieving normal production rate or after the end of the shakedown period, but in no event later than 180 days after initial start-up (or restart-up after modification). The Office of Environmental Assessment, Air Quality Assessment Division shall be notified at least (30) days prior to testing and shall be given the opportunity to conduct a pretest meeting and observe the emission testing. The test results shall be submitted to the Air Quality Assessment Division within sixty (60) days after the complete testing. As required by LAC 33:III.913, the permittee shall provide necessary sampling ports in stacks or ducts and such other safe and proper sampling and testing facilities for proper determination of the emission limits.

IX. The permittee shall, within 180 days after start-up and shakedown of each project or unit, report to the Office of Environmental Compliance, Enforcement Division any significant difference in operating emission rates as compared to those limitations specified in paragraph III. This report shall also include, but not be limited to, malfunctions and upsets. A permit modification shall be submitted, if necessary, as required in Condition I.

X. The permittee shall retain records of all information resulting from monitoring activities and information indicating operating parameters as specified in the specific conditions of this permit for a minimum of at least five (5) years.

XI. If for any reason the permittee does not comply with, or will not be able to comply with, the emission limitations specified in this permit, the permittee shall provide the Office of Environmental Compliance, Enforcement Division with a written report as specified below.

A. A written report shall be submitted within 7 days of any emission in excess of permit requirements by an amount greater than the Reportable Quantity established for that pollutant in LAC 33.I.Chapter 39.

B. A written report shall be submitted within 7 days of the initial occurrence of any emission in excess of permit requirements, regardless of the amount, where such emission occurs over a period of seven days or longer.

C. A written report shall be submitted quarterly to address all emission limitation exceedances not included in paragraphs A or B above. The schedule for submittal of quarterly reports shall be no later than the dates specified below for any emission limitation exceedances occurring during the corresponding specified calendar quarter:

1. Report by June 30 to cover January through March
2. Report by September 30 to cover April through June
3. Report by December 31 to cover July through September
4. Report by March 31 to cover October through December

D. Each report submitted in accordance with this condition shall contain the following information:

1. Description of noncomplying emission(s);
2. Cause of noncompliance;
3. Anticipated time the noncompliance is expected to continue, or if corrected, the duration of the period of noncompliance;
4. Steps taken by the permittee to reduce and eliminate the noncomplying emissions; and
5. Steps taken by the permittee to prevent recurrences of the noncomplying emissions.

E. Any written report submitted in advance of the timeframes specified above, in accordance with an applicable regulation, may serve to meet the reporting requirements of this condition provided all information specified above is included. For Part 70 sources, reports submitted in accordance with Part 70 General Condition R shall serve to meet the requirements of this condition provided all specified information is included. Reporting under this condition does not relieve the permittee from the reporting requirements of any applicable regulation, including LAC 33.I.Chapter 39, LAC 33.III.Chapter 9, and LAC 33.III.5107.

XII. Permittee shall allow the authorized officers and employees of the Department of Environmental Quality, at all reasonable times and upon presentation of identification, to:

A. Enter upon the permittee's premises where regulated facilities are located, regulated activities are conducted or where records required under this permit are kept;

B. Have access to and copy any records that are required to be kept under the terms and conditions of this permit, the Louisiana Air Quality Regulations, or the Act;

C. Inspect any facilities, equipment (including monitoring methods and an operation and maintenance inspection), or operations regulated under this permit; and

D. Sample or monitor, for the purpose of assuring compliance with this permit or as otherwise authorized by the Act or regulations adopted thereunder, any substances or parameters at any location.

XIII. If samples are taken under Section XII.D. above, the officer or employee obtaining such samples shall give the owner, operator or agent in charge a receipt describing the sample obtained. If requested prior to leaving the premises, a portion of each sample equal in volume or weight to the portion retained shall be given to the owner, operator or agent in charge. If an analysis is made of such samples, a copy of the analysis shall be furnished promptly to the owner, operator or agency in charge.

XIV. The permittee shall allow authorized officers and employees of the Department of Environmental Quality, upon presentation of identification, to enter upon the permittee's premises to investigate potential or alleged violations of the Act or the rules and regulations adopted thereunder. In such investigations, the permittee shall be notified at the time entrance is requested of the nature of the suspected violation. Inspections under this subsection shall be limited to the aspects of alleged violations. However, this shall not in any way preclude prosecution of all violations found.

LOUISIANA AIR EMISSION PERMIT
GENERAL CONDITIONS

XV. The permittee shall comply with the reporting requirements specified under LAC 33:III.919 as well as notification requirements specified under LAC 33:III.927.

XVI. In the event of any change in ownership of the source described in this permit, the permittee and the succeeding owner shall notify the Office of Environmental Services, Air Permits Division, within ninety (90) days after the event, to amend this permit.

XVII. Very small emissions to the air resulting from routine operations, that are predictable, expected, periodic, and quantifiable and that are submitted by the permitted facility and approved by the Air Permits Division are considered authorized discharges. Approved activities are noted in the General Condition XVII Activities List of this permit. To be approved as an authorized discharge, these very small releases must:

1. Generally be less than 5 TPY
2. Be less than the minimum emission rate (MER)
3. Be scheduled daily, weekly, monthly, etc., or
4. Be necessary prior to plant startup or after shutdown [line or compressor pressuring/depressuring for example]

These releases are not included in the permit totals because they are small and will have an insignificant impact on air quality. This general condition does not authorize the maintenance of a nuisance, or a danger to public health and safety. The permitted facility must comply with all applicable requirements, including release reporting under LAC 33:I.3901.

XVIII. Provisions of this permit may be appealed in writing pursuant to La. R.S. 30:2024(A) within 30 days from receipt of the permit. Only those provisions specifically appealed will be suspended by a request for hearing, unless the secretary or the assistant secretary elects to suspend other provisions as well. Construction cannot proceed except as specifically approved by the secretary or assistant secretary. A request for hearing must be sent to the following:

Attention: Office of the Secretary, Legal Services Division
La. Dept. of Environmental Quality
Post Office Box 4302
Baton Rouge, Louisiana 70821-4302

XIX. Certain Part 70 general conditions may duplicate or conflict with state general conditions. To the extent that any Part 70 conditions conflict with state general conditions, then the Part 70 general conditions control. To the extent that any Part 70 general conditions duplicate any state general conditions, then such state and Part 70 provisions will be enforced as if there is only one condition rather than two conditions.

General Information

AI ID: 328 International Paper Co - Mansfield Mill
Activity Number: PER20070001
Permit Number: 0760-00006-V8
Air - Title V Regular Permit Minor Mod

Also Known As:

ID	Name	User Group	Start Date
0760-00006	International Paper Co - Mansfield Mill	CDS Number	05-27-1993
0760-0006	International Paper Co - Mansfield Mill	Emission Inventory	03-03-2004
13-0872805	Federal Tax ID	Federal Tax ID	11-21-1999
LAD000631630	International Paper	Hazardous Waste Notification	08-18-1980
LA0056651	WPC File Number	LPDES Permit #	06-25-2003
LAR10B109	WPC File Number	LPDES Permit #	05-22-2003
	WPC File Number	LPDES Permit #	05-22-2003
WP0483	WPC State Permit Number	LWDPS Permit #	06-25-2003
LA-4039-L01	Radioactive Material License	Radiation License Number	10-02-2000
GTD-031-0845	SW ID#	Solid Waste Facility No.	04-30-2001
17308	International Paper Co - Mansfield Mill	TEMPO Merge	05-31-2001
19548	International Paper Co - Mansfield Mill	TEMPO Merge	05-31-2001
41910	Intl Paper Rrl & Fs	TEMPO Merge	05-31-2001
83294	Phase III Mansfield Mill Solid Waste Facility	TEMPO Merge	12-15-2003
0760-0006	Toxic Emissions Data Inventory #	Toxic Emissions Data Inventory #	01-01-1991
71052NTRNTHWY50	TRI #	Toxic Release Inventory	07-14-2004
16011836	UST Facility ID (from UST legacy data)	Underground Storage Tanks	10-11-2002
13638	Waste Tires - Beneficial Use/Transporter	Waste Tire Facility ID Number	07-22-2005
17468	International Paper Co - Mansfield Mill	Water Permitting	11-21-1999

Physical Location: 1202 Hwy 509
Mansfield, LA 71052

Main FAX: 3188724779
Main Phone: 3188725100

Mailing Address: 1202 Hwy 509
Mansfield, LA 71052

Location of Front Gate: 32° 9' 24" 20 hundredths latitude, 93° 33' 14" 30 hundredths longitude, Coordinate Method: GPS-Unspecified, Coordinate Datum: NAD83

Related People:

Name	Mailing Address	Phone (Type)	Relationship
F. Michael Craft	1202 Hwy 509 Mansfield, LA 71052	3188725100 (WP)	Responsible Official for
Stephen Shaffer	1202 Hwy 509 Mansfield, LA 71052	3188711488 (WP)	Radiation Safety Officer for
Stephen Shaffer	1202 Hwy 509 Mansfield, LA 71052	STEPHEN.SHAFFEI	Radiation Safety Officer for
Stephen Shaffer	1202 Hwy 509 Mansfield, LA 71052	3188711488 (WP)	Water Permit Contact For
Stephen Shaffer	1202 Hwy 509 Mansfield, LA 71052	STEPHEN.SHAFFEI	Water Permit Contact For
Stephen Shaffer	1202 Hwy 509 Mansfield, LA 71052	3188711488 (WP)	Emission Inventory Contact for
Stephen Shaffer	1202 Hwy 509 Mansfield, LA 71052	STEPHEN.SHAFFEI	Emission Inventory Contact for

General Information

AI ID: 328 International Paper Co - Mansfield Mill
Activity Number: PER20070001
Permit Number: 0760-00006-V8
Air - Title V Regular Permit Minor Mod

Related People:

Name	Mailing Address	Phone (Type)	Relationship
Stephen Shaffer	1202 Hwy 509 Mansfield, LA 71052	3188711488 (WP)	Accident Prevention Contact for
Stephen Shaffer	1202 Hwy 509 Mansfield, LA 71052	STEPHEN.SHAFFEI	Accident Prevention Contact for
Stephen Shaffer	1202 Hwy 509 Mansfield, LA 71052	3188711488 (WP)	Underground Storage Tank Contact for
Stephen Shaffer	1202 Hwy 509 Mansfield, LA 71052	STEPHEN.SHAFFEI	Underground Storage Tank Contact for
Stephen Shaffer	1202 Hwy 509 Mansfield, LA 71052	3188711488 (WP)	Solid Waste Billing Party for
Stephen Shaffer	1202 Hwy 509 Mansfield, LA 71052	STEPHEN.SHAFFEI	Solid Waste Billing Party for
Stephen Shaffer	1202 Hwy 509 Mansfield, LA 71052	3188711488 (WP)	Haz. Waste Billing Party for
Stephen Shaffer	1202 Hwy 509 Mansfield, LA 71052	STEPHEN.SHAFFEI	Haz. Waste Billing Party for
Stephen Shaffer	1202 Hwy 509 Mansfield, LA 71052	3188711488 (WP)	Water Billing Party for
Stephen Shaffer	1202 Hwy 509 Mansfield, LA 71052	STEPHEN.SHAFFEI	Water Billing Party for
Stephen Shaffer	1202 Hwy 509 Mansfield, LA 71052	3188711488 (WP)	Accident Prevention Billing Party for
Stephen Shaffer	1202 Hwy 509 Mansfield, LA 71052	STEPHEN.SHAFFEI	Accident Prevention Billing Party for
Stephen Shaffer	1202 Hwy 509 Mansfield, LA 71052	3188711488 (WP)	TEDI Contact for
Stephen Shaffer	1202 Hwy 509 Mansfield, LA 71052	STEPHEN.SHAFFEI	TEDI Contact for

Related Organizations:

Name	Address	Phone (Type)	Relationship
International Paper Co	1202 Hwy 509 Mansfield, LA 71052	3188711572 (WP)	Owns
International Paper Co	1202 Hwy 509 Mansfield, LA 71052	3188711572 (WP)	Operates
International Paper Co	1202 Hwy 509 Mansfield, LA 71052	3188711572 (WP)	Air Billing Party for
International Paper Co	PO Box 999 Mansfield, LA 710520999		Radiation License Billing Party for

SIC Codes:

2611, Pulp mills
2631, Paperboard mills

Note: This report entitled "General Information" contains a summary of facility-level information contained in LDEQ's TEMPO database for this facility and is not considered a part of the permit. Please review the information contained in this document for accuracy and completeness. If any changes are required or if you have questions regarding this document, you may contact Mr. David Ferrand, Environmental Assistance Division, at (225) 219-3247 or email your changes to facupdate@la.gov.

INVENTORIES

AI ID: 328 - International Paper Co - Mansfield Mill
Activity Number: PER20070001
Permit Number: 0760-00006-V8
Air - Title V Regular Permit Minor Mod

Subject Item Inventory:

ID	Description	Tank Volume	Max. Operating Rate	Normal Operating Rate	Contents	Operating Time
ARE005	25-93 - Landfill					8760 hr/yr (All Year)
ARE009	No. 1 and No. 2 Evaporator 6th Effect Foul Condensate					8760 hr/yr (All Year)
ARE010	No. 1 and No. 2 Evaporator Surface Condenser Foul Condensate					8760 hr/yr (All Year)
ARE011	No. 1 and No. 2 Evaporator 6th Effect Combined Condensate					8760 hr/yr (All Year)
ARE012	No. 1 and No. 2 Evaporator Surface Condenser Combined Condensate					8760 hr/yr (All Year)
ARE013	Primary and/or Secondary Digester Relief Condensate (on Pine)					8760 hr/yr (All Year)
ARE014	Secondary Digester Relief Condensate (on hardwood)					8760 hr/yr (All Year)
ARE015	Semi-chemical Digester Relief Condensate					8760 hr/yr (All Year)
ARE016	Powerhouse NCG/Condensate Separator Condensate					8760 hr/yr (All Year)
EQT005	1-78 - No. 1 Power Boiler		760 MM BTU/hr			8760 hr/yr (All Year)
EQT006	3-78 - Lime Kiln		142 MM BTU/hr			8760 hr/yr (All Year)
EQT007	13-93 - Gas Turbine/HRSG Stack		654.4 MM BTU/hr			8760 hr/yr (All Year)
EQT008	56-98b - Crude Tall Oil - Tall Oil Reactor Scrubber		70343 tons/yr		tall oil	8760 hr/yr (All Year)
EQT009	42-96 - Soda Ash Unloading					8760 hr/yr (All Year)
EQT010	57-99 - HVLC Incinerator		20 MM BTU/hr			8760 hr/yr (All Year)
EQT012	33-93 - Oxidized Starch Silo					867 hr/yr (All Year)
EQT013	24-93 - Wastewater Treatment		1.47 MM tons/yr		air dried tons of pulp	8760 hr/yr (All Year)
EQT014	8-78 - Lime Slaker/Lime Handling		30 tons/yr		CaO	8760 hr/yr (All Year)
EQT015	6-78 - No. 1 Smelt Dissolving Tank		84.4 tons/yr		black liquor solids	8760 hr/yr (All Year)
EQT016	45-96 - No. 2 Fuel Oil Bulk Tank	10000 gallons				8760 hr/yr (All Year)
EQT017	28-93j - Process Liquor Tanks - Soap Skimmer Tank (No. 1)					8760 hr/yr (All Year)
EQT018	36-96 - Caterpillar Back-up Diesel Air Compressor (No. 1)		775 horsepower			1800 hr/yr (All Year)
EQT019	53-96 - Boiler Feedwater/Steam Condensate Treatment Operations					8760 hr/yr (All Year)
EQT021	34-93 - Talc Silo					658 hr/yr (All Year)
EQT022	61-01 - Pearl Starch Silo					578 hr/yr (All Year)
EQT023	56-98a - Crude Tall Oil - Soap Unloading Facilities					8760 hr/yr (All Year)
EQT024	56-98i - Crude Tall Oil - Tall Oil Loading Facilities					8760 hr/yr (All Year)
EQT025	9-78 - NCG Incinerator		6.5 MM BTU/hr			8760 hr/yr (All Year)
EQT026	38-96 - Auxiliary Diesel Generator (No. 1)		1100 horsepower			1400 hr/yr (All Year)
EQT027	39-96 - Auxiliary Diesel Generator (No. 2)		1100 horsepower			1400 hr/yr (All Year)
EQT028	46-96 - Detroit Diesel Fire-Water Pump No. 2		265 horsepower			1400 hr/yr (All Year)
EQT029	47-96 - Detroit Diesel Fire-Water Pump No. 3		265 horsepower			1400 hr/yr (All Year)
EQT030	48-96 - Clarifier Diesel Engine "Big Bubba"		310 horsepower			2500 hr/yr (All Year)
EQT031	49-96 - Waste Clarifier Diesel Engine		413 horsepower			1400 hr/yr (All Year)
EQT032	50-96 - Administration Building Diesel Generator		587 horsepower			1400 hr/yr (All Year)

INVENTORIES

AI ID: 328 - International Paper Co - Mansfield Mill
Activity Number: PER20070001
Permit Number: 0760-00006-V8
Air - Title V Regular Permit Minor Mod

Subject Item Inventory:

ID	Description	Tank Volume	Max. Operating Rate	Normal Operating Rate	Contents	Operating Time
EQT033	51-96 - Effluent Lift Pit Diesel Engine		152 horsepower			1400 hr/yr (All Year)
EQT034	52-96 - Mud Storage Diesel Generator		130 horsepower			1400 hr/yr (All Year)
EQT035	2-78 - No. 2 Power Boiler		760 MM BTU/hr			8760 hr/yr (All Year)
EQT036	4-78 - No. 1 Recovery Boiler		961.3 MM BTU/hr			8760 hr/yr (All Year)
EQT037	5-78 - No. 2 Recovery Boiler		961.3 MM BTU/hr			8760 hr/yr (All Year)
EQT038	7-78 - No. 2 Smelt Dissolving Tank		84.4 tons/yr		black liquor solids	8760 hr/yr (All Year)
EQT039	20-93e - No. 1 Paper Machine - No. 1 White Water Storage Tank					8760 hr/yr (All Year)
EQT040	20-93f - No. 1 Paper Machine - No. 2 White Water Storage Tank					8760 hr/yr (All Year)
EQT041	20-93h - No. 1 Paper Machine - No. 1 Broke Storage Tank					8760 hr/yr (All Year)
EQT042	20-93i - No. 1 Paper Machine - No. 2 Broke Storage Tank					8760 hr/yr (All Year)
EQT043	20-93j - Linerboard Whitewater Tank					8760 hr/yr (All Year)
EQT044	21-93e - No. 2 Paper Machine - White Water Storage Tank					8760 hr/yr (All Year)
EQT045	21-93g - No. 2 Paper Machine - Broke Storage Tank					8760 hr/yr (All Year)
EQT046	21-93h - Corrugated Medium Whitewater Tank					8760 hr/yr (All Year)
EQT047	22-01p - No. 3 Paper Machine - T/S Reclaims/Reject Tank					8760 hr/yr (All Year)
EQT048	22-93b - No. 3 Paper Machine - High Density Thickener Tank					8760 hr/yr (All Year)
EQT049	22-93f - No. 3 Paper Machine - T/S Excess White Water Tank					8760 hr/yr (All Year)
EQT050	22-93h - No. 3 Paper Machine - Filtered White Water Tank					8760 hr/yr (All Year)
EQT051	22-93i - No. 3 Paper Machine - B/S White Water Storage Tank					8760 hr/yr (All Year)
EQT052	22-93j - No. 3 Paper Machine - T/S White Water Storage Tank					8760 hr/yr (All Year)
EQT053	22-93l - No. 3 Paper Machine - Broke Storage Tank					8760 hr/yr (All Year)
EQT054	28-93a - Process Liquor Tanks - Primary Weak Black Liquor Storage Tank East					8760 hr/yr (All Year)
EQT055	28-93b - Process Liquor Tanks - Primary Weak Black Liquor Storage Tank West					8760 hr/yr (All Year)
EQT056	28-93c - Process Liquor Tanks - Secondary Weak Black Liquor Storage Tank					8760 hr/yr (All Year)
EQT057	28-93d - Process Liquor Tanks - Semichemical Weak Black Liquor Storage Tank					8760 hr/yr (All Year)
EQT058	28-93e - Process Liquor Tanks - Swing Weak Black Liquor Storage Tank					8760 hr/yr (All Year)
EQT059	28-93f - Process Liquor Tanks - No. 1 Intermediate Black Liquor Storage Tank					8760 hr/yr (All Year)
EQT060	28-93g - Process Liquor Tanks - No. 2 Intermediate Black Liquor Storage Tank					8760 hr/yr (All Year)
EQT061	28-93h - Process Liquor Tanks - Heavy Black Liquor Storage Tank					8760 hr/yr (All Year)
EQT062	28-93k - Process Liquor Tanks - Soap Skimmer Tank (No. 2)					8760 hr/yr (All Year)
EQT063	28-93l - Process Liquor Tanks - Soap Collection Tank (No. 1)					8760 hr/yr (All Year)
EQT064	28-93m - Process Liquor Tanks - Soap Collection Tank (No. 2)					8760 hr/yr (All Year)

INVENTORIES

AI ID: 328 - International Paper Co - Mansfield Mill
Activity Number: PER20070001
Permit Number: 0760-00006-V8
Air - Title V Regular Permit Minor Mod

Subject Item Inventory:

ID	Description	Tank Volume	Max. Operating Rate	Normal Operating Rate	Contents	Operating Time
EQT065	28-93n - Process Liquor Tanks - Soap Storage Tank					8760 hr/yr (All Year)
EQT066	28-93o - Boilout Tank					8760 hr/yr (All Year)
EQT067	28-93p - No. 1 Spill Tank					8760 hr/yr (All Year)
EQT068	28-93q - No. 2 Spill Tank					8760 hr/yr (All Year)
EQT069	28-93r - #1 RB Black Liquor Dump Tank					8760 hr/yr (All Year)
EQT070	28-93s - #2 RB Black Liquor Dump Tank					8760 hr/yr (All Year)
EQT071	29-93a - Causticizing Area - No. 1 Green Liquor Clarifier					8760 hr/yr (All Year)
EQT072	29-93b - Causticizing Area - No. 2 Green Liquor Clarifier					8760 hr/yr (All Year)
EQT073	29-93c - Causticizing Area - No. 1 Green Liquor Storage Tank					8760 hr/yr (All Year)
EQT074	29-93d - Causticizing Area - No. 2 Green Liquor Storage Tank					8760 hr/yr (All Year)
EQT075	29-93j - Causticizing Area - No. 1 Weak Wash Tank					8760 hr/yr (All Year)
EQT076	29-93k - Causticizing Area - No. 2 Weak Wash Tank					8760 hr/yr (All Year)
EQT077	29-93l - Causticizing Area - No. 1 White Liquor Clarifier					8760 hr/yr (All Year)
EQT078	29-93m - Causticizing Area - No. 2 White Liquor Clarifier					8760 hr/yr (All Year)
EQT079	29-93n - Causticizing Area - No. 1 White Liquor Storage Tank					8760 hr/yr (All Year)
EQT080	29-93o - Causticizing Area - No. 2 White Liquor Storage Tank					8760 hr/yr (All Year)
EQT081	29-93p - Causticizing Area - No. 3 White Liquor Storage Tank					8760 hr/yr (All Year)
EQT082	29-93q - Causticizing Area - Lime Mud Mix Tank					8760 hr/yr (All Year)
EQT083	29-93t - Causticizing Area - Lime Mud Storage Tank					8760 hr/yr (All Year)
EQT084	29-93v - Waste Clarifier					8760 hr/yr (All Year)
EQT085	29-93w - Sodium Hydrosulfide Tank #1					8760 hr/yr (All Year)
EQT086	29-93x - Sodium Hydrosulfide Tank #2					8760 hr/yr (All Year)
EQT087	31-93i - Pulp Mill Tanks - Primary High Density Storage Chest A					8760 hr/yr (All Year)
EQT088	31-93j - Pulp Mill Tanks - Primary High Density Storage Chest B					8760 hr/yr (All Year)
EQT089	31-93k - Pulp Mill Tanks - Primary High Density Storage Chest C					8760 hr/yr (All Year)
EQT090	31-93l - Pulp Mill Tanks - Secondary High Density Storage Chest					8760 hr/yr (All Year)
EQT091	31-93m - Pulp Mill Tanks - Semichemical High Density Storage Chest					8760 hr/yr (All Year)
EQT092	31-93n - Pine Digester Dump Tank					8760 hr/yr (All Year)
EQT093	31-93o - Hardwood Digester Dump Tank					8760 hr/yr (All Year)
EQT094	31-93p - Semichemical Digester Dump Tank					8760 hr/yr (All Year)
EQT096	40-96 - Unleaded Gasoline Bulk Tank	10000 gallons				8760 hr/yr (All Year)
EQT098	43-96 - No. 6 Fuel Oil Storage Tank	812000 gallons				8760 hr/yr (All Year)
EQT099	44-96 - Fuel Oil Day Tank (No. 6)	73000 gallons				8760 hr/yr (All Year)
EQT100	56-98b - Crude Tall Oil - Soap Receiving Tank					8760 hr/yr (All Year)
EQT101	56-98c - Crude Tall Oil - Soap Decanting Tank					8760 hr/yr (All Year)

INVENTORIES

AI ID: 328 - International Paper Co - Mansfield Mill
Activity Number: PER20070001
Permit Number: 0760-00006-V8
Air - Title V Regular Permit Minor Mod

Subject Item Inventory:

ID	Description	Tank Volume	Max. Operating Rate	Normal Operating Rate	Contents	Operating Time
EQT102	56-98d - Crude Tall Oil - Soap Blend Tank					8760 hr/yr (All Year)
EQT103	56-98e - Crude Tall Oil - Sulfuric Acid Storage Tank					8760 hr/yr (All Year)
EQT104	56-98g - Crude Tall Oil - Neutralized Brine Storage Tank					8760 hr/yr (All Year)
EQT105	56-98h - Crude Tall Oil - Brine Feed Tank					8760 hr/yr (All Year)
EQT106	56-98j - Crude Tall Oil - Heel Liquor Sample Tank					8760 hr/yr (All Year)
EQT107	59-00a - Sulfuric Acid Supply Tank					8760 hr/yr (All Year)
EQT108	59-00b - Demin Water Acid Mix Tank					8760 hr/yr (All Year)
EQT109	59-00c - #3 PM Acid Supply Tank					8760 hr/yr (All Year)
EQT110	59-00d - #3 PM Bulk Sulfuric Acid Tank					8760 hr/yr (All Year)
EQT111	14-93 - Repulper #1		66.7 tons/hr		oven dried pulp	8760 hr/yr (All Year)
EQT112	15-93 - Repulper #2		14.8 tons/hr		oven dried pulp	8760 hr/yr (All Year)
EQT113	16-93 - Repulper #3		14.8 tons/hr		oven dried pulp	8760 hr/yr (All Year)
EQT114	20-01n - No. 1 Paper Machine - Semichemical Fiber Sidehill Washing					8760 hr/yr (All Year)
EQT115	20-01o - No. 1 Paper Machine - HW Refiner Low Density Chest					8760 hr/yr (All Year)
EQT116	21-01p - No. 1 Paper Machine - Short Fiber Blend Chest					8760 hr/yr (All Year)
EQT117	20-93a - No. 1 Paper Machine - Grouped Source		839500 tons/yr			8760 hr/yr (All Year)
EQT118	20-93b - No. 1 Paper Machine - Save-all Vent No. 1					8760 hr/yr (All Year)
EQT119	20-93c - No. 1 Paper Machine - Save-all Mixing Chest					8760 hr/yr (All Year)
EQT120	20-93d - No. 1 Paper Machine - Save-all White Water Filtrate Chest					8760 hr/yr (All Year)
EQT121	20-93g - No. 1 Paper Machine - Broke Repulper					8760 hr/yr (All Year)
EQT122	20-93k - #1 PM Secondary Pine Low Density Chest					8760 hr/yr (All Year)
EQT123	20-93l - #1 PM Primary Pine Low Density Chest					8760 hr/yr (All Year)
EQT124	20-93m - #1 PM Hardwood Low Density Chest					8760 hr/yr (All Year)
EQT125	21-04k - No. 2 Paper Machine - No. 2 PM Stock Chest					8760 hr/yr (All Year)
EQT126	21-93a - No. 2 Paper Machine - Grouped Source		620500 tons/yr			8760 hr/yr (All Year)
EQT127	21-93b - No. 2 Paper Machine - Save-all Vent No. 1					8760 hr/yr (All Year)
EQT128	21-93c - No. 2 Paper Machine - Save-all Mixed Stock Chest					8760 hr/yr (All Year)
EQT129	21-93d - No. 2 Paper Machine - Save-all White Water Filtrate Chest					8760 hr/yr (All Year)
EQT130	21-93f - No. 2 Paper Machine - Broke Repulper					8760 hr/yr (All Year)
EQT131	21-93i - #2 PM Pine Low Density Chest					8760 hr/yr (All Year)
EQT132	21-93j - #2 PM Semichemical Low Density Chest					8760 hr/yr (All Year)
EQT133	22-01n - No. 3 Paper Machine - HW Fiber Low Density Chest/Standpipes					8760 hr/yr (All Year)
EQT134	22-01o - No. 3 Paper Machine - Pine Fiber Low Density Chest/Standpipes					8760 hr/yr (All Year)
EQT135	22-93a - No. 3 Paper Machine - Grouped Source		693500 tons/yr			8760 hr/yr (All Year)

INVENTORIES

AI ID: 328 - International Paper Co - Mansfield Mill
Activity Number: PER20070001
Permit Number: 0760-00006-V8
Air - Title V Regular Permit Minor Mod

Subject Item Inventory:

ID	Description	Tank Volume	Max. Operating Rate	Normal Operating Rate	Contents	Operating Time
EQT136	22-93c - No. 3 Paper Machine - Save-all Vent					8760 hr/yr (All Year)
EQT137	22-93d - No. 3 Paper Machine - Save-all Stock Chest					8760 hr/yr (All Year)
EQT138	22-93g - No. 3 Paper Machine - AES Filters					8760 hr/yr (All Year)
EQT139	22-93k - No. 3 Paper Machine - Broke Repulper					8760 hr/yr (All Year)
EQT140	22-93m - #3 PM Virgin Fiber Low Density Chest					8760 hr/yr (All Year)
EQT141	27-93 - Process Chillers					8760 hr/yr (All Year)
EQT142	29-93e - Causticizing Area - Dregs Filter					8760 hr/yr (All Year)
EQT143	29-93f - Causticizing Area - No. 1 Causticizer					8760 hr/yr (All Year)
EQT144	29-93g - Causticizing Area - No. 2 Causticizer					8760 hr/yr (All Year)
EQT145	29-93h - Causticizing Area - No. 3 Causticizer					8760 hr/yr (All Year)
EQT146	29-93i - Causticizing Area - No. 4 Causticizer					8760 hr/yr (All Year)
EQT147	29-93r - Causticizing Area - No. 1 Lime Mud Washer					8760 hr/yr (All Year)
EQT148	29-93s - Causticizing Area - No. 2 Lime Mud Washer					8760 hr/yr (All Year)
EQT149	29-93u - Causticizing Area - Lime Mud Precoat Filter					8760 hr/yr (All Year)
EQT150	30-93a - Black Liquor Filters - Secondary Black Liquor Filter					8760 hr/yr (All Year)
EQT151	30-93b - Black Liquor Filters - Primary Black Liquor Filter					8760 hr/yr (All Year)
EQT152	60-00 - Fiber Reclaims System					8760 hr/yr (All Year)
EQT153	63-04 - Repulper #4					8760 hr/yr (All Year)
EQT154	64-04 - Repulper #5					8760 hr/yr (All Year)
EQT155	NCG-A - Primary Digester System					8760 hr/yr (All Year)
EQT156	NCG-B - Secondary Digester System					8760 hr/yr (All Year)
EQT157	NCG-C - Semichemical Digester System					8760 hr/yr (All Year)
EQT158	NCG-D - No. 1 Evaporator					8760 hr/yr (All Year)
EQT159	NCG-E - No. 2 Evaporator					8760 hr/yr (All Year)
EQT160	NCG-H - No. 1 Concentrator/Intermediate Solids Concentrator					8760 hr/yr (All Year)
EQT161	NCG-I - No. 2 Concentrator System					8760 hr/yr (All Year)
EQT162	NCG-J - Condensate Stripper System					8760 hr/yr (All Year)
EQT163	NCG-K - Turpentine Decanter					8760 hr/yr (All Year)
EQT164	12A-78 - Diffusion Washer Vent A					8760 hr/yr (All Year)
EQT165	12B-78 - Diffusion Washer Vent B					8760 hr/yr (All Year)
EQT166	12C-78 - Diffusion Washer Vent C					8760 hr/yr (All Year)
EQT167	12D-78 - Diffusion Washer Vent D					8760 hr/yr (All Year)
EQT168	12E-78 - Diffusion Washer Vent E					8760 hr/yr (All Year)
EQT169	NCG-L - Turpentine Storage					8760 hr/yr (All Year)
EQT170	28-93i - Stripped Condensate Tank					8760 hr/yr (All Year)
EQT171	31-93a - Primary Filtrate Tank Vent - Washer A (Vent A)					8760 hr/yr (All Year)
EQT172	31-93b - Primary Filtrate Tank Vent - Washer A (Vent B)					8760 hr/yr (All Year)

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Activity Number: PER20070001
Permit Number: 0760-00006-V8
Air - Title V Regular Permit Minor Mod

Subject Item Inventory:

ID	Description	Tank Volume	Max. Operating Rate	Normal Operating Rate	Contents	Operating Time
EQT173	31-93c - Primary Filtrate Tank Vent - Washer B (Vent A)					8760 hr/yr (All Year)
EQT174	31-93d - Primary Filtrate Tank Vent - Washer B (Vent B)					8760 hr/yr (All Year)
EQT175	31-93e - Secondary Filtrate Tank Vent - (Vent A)					8760 hr/yr (All Year)
EQT176	31-93f - Secondary Filtrate Tank Vent - (Vent B)					8760 hr/yr (All Year)
EQT177	31-93g - Semi-chemical Filtrate Tank Vent - (Vent A)					8760 hr/yr (All Year)
EQT178	31-93h - Semi-chemical Filtrate Tank Vent - (Vent B)					8760 hr/yr (All Year)
EQT179	TO-A - Crude Tall Oil-Brine Receiver Tank					8760 hr/yr (All Year)
EQT180	TO-B - Crude Tall Oil-Cleaner Accepts Tank					8760 hr/yr (All Year)
EQT181	TO-C - Crude Tall Oil-Wet CTO Tank					8760 hr/yr (All Year)
EQT182	TO-D - Crude Tall Oil-Dry CTO Tank					8760 hr/yr (All Year)
EQT183	22-93e - No. 3 Paper Machine - B/S Excess White Water Tank					8760 hr/yr (All Year)
EQT184	32-93 - Cationic Starch Silo					578 hr/yr (All Year)
EQT185	NCG-M -High Solids Concentrator System					8760 hr/yr (All Year)
EQT186	65-05 - Clarke Fire-Water Pump			276 horsepower		1400 hr/yr (All Year)
EQT187	66-05 - Lime Kiln Auxiliary Engine			110 horsepower		1400 hr/yr (All Year)
FUG001	17-93 - Coal Storage/Handling		452016 tons/yr			8760 hr/yr (All Year)
FUG002	18-93 - Ash Handling Operations					8760 hr/yr (All Year)
FUG003	19-93 - Bark/Woodwaste/Sludge Handling					8760 hr/yr (All Year)
FUG004	23-93 - Woodyard Grouped Source					8760 hr/yr (All Year)
FUG005	26-93 - Haul Roads					8760 hr/yr (All Year)
FUG006	54-96 - Paint Yard					8760 hr/yr (All Year)

Subject Item Groups:

ID	Description	Included Components (from Above)
GRP002	Paper Machines Emissions Cap	EQT133 22-01n - No. 3 Paper Machine - HW Fiber Low Density Chest/Standpipes
GRP002	Paper Machines Emissions Cap	EQT134 22-01o - No. 3 Paper Machine - Pine Fiber Low Density Chest/Standpipes
GRP002	Paper Machines Emissions Cap	EQT135 22-93a - No. 3 Paper Machine - Grouped Source
GRP002	Paper Machines Emissions Cap	EQT136 22-93c - No. 3 Paper Machine - Save-all Vent
GRP002	Paper Machines Emissions Cap	EQT137 22-93d - No. 3 Paper Machine - Save-all Stock Chest
GRP002	Paper Machines Emissions Cap	EQT138 22-93g - No. 3 Paper Machine - AES Filters
GRP002	Paper Machines Emissions Cap	EQT139 22-93k - No. 3 Paper Machine - Broke Repulper
GRP002	Paper Machines Emissions Cap	EQT140 22-93m - #3 PM Virgin Fiber Low Density Chest
GRP002	Paper Machines Emissions Cap	EQT153 63-04 - Repulper #4
GRP002	Paper Machines Emissions Cap	EQT47 22-01p - No. 3 Paper Machine - T/S Reclaims/Reject Tank
GRP002	Paper Machines Emissions Cap	EQT46 21-93h - Corrugated Medium Whitewater Tank
GRP002	Paper Machines Emissions Cap	EQT45 21-93g - No. 2 Paper Machine - Broke Storage Tank

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Subject Item Groups:

ID	Description	Included Components (from Above)
GRP002	Paper Machines Emissions Cap	EQT44 21-93e - No. 2 Paper Machine - White Water Storage Tank
GRP002	Paper Machines Emissions Cap	EQT43 20-93j - Linerboard Whitewater Tank
GRP002	Paper Machines Emissions Cap	EQT42 20-93i - No. 1 Paper Machine - No. 2 Broke Storage Tank
GRP002	Paper Machines Emissions Cap	EQT41 20-93h - No. 1 Paper Machine - No. 1 Broke Storage Tank
GRP002	Paper Machines Emissions Cap	EQT40 20-93f - No. 1 Paper Machine - No. 2 White Water Storage Tank
GRP002	Paper Machines Emissions Cap	EQT39 20-93e - No. 1 Paper Machine - No. 1 White Water Storage Tank
GRP002	Paper Machines Emissions Cap	EQT113 16-93 - Repulper #3
GRP002	Paper Machines Emissions Cap	EQT112 15-93 - Repulper #2
GRP002	Paper Machines Emissions Cap	EQT111 14-93 - Repulper #1
GRP002	Paper Machines Emissions Cap	EQT53 22-93l - No. 3 Paper Machine - Broke Storage Tank
GRP002	Paper Machines Emissions Cap	EQT52 22-93j - No. 3 Paper Machine - T/S White Water Storage Tank
GRP002	Paper Machines Emissions Cap	EQT51 22-93i - No. 3 Paper Machine - B/S White Water Storage Tank
GRP002	Paper Machines Emissions Cap	EQT50 22-93h - No. 3 Paper Machine - Filtered White Water Tank
GRP002	Paper Machines Emissions Cap	EQT49 22-93f - No. 3 Paper Machine - T/S Excess White Water Tank
GRP002	Paper Machines Emissions Cap	EQT48 22-93b - No. 3 Paper Machine - High Density Thickener Tank
GRP002	Paper Machines Emissions Cap	EQT132 21-93j - #2 PM Semichemical Low Density Chest
GRP002	Paper Machines Emissions Cap	EQT131 21-93i - #2 PM Pine Low Density Chest
GRP002	Paper Machines Emissions Cap	EQT130 21-93f - No. 2 Paper Machine - Broke Repulper
GRP002	Paper Machines Emissions Cap	EQT129 21-93d - No. 2 Paper Machine - Save-all White Water Filtrate Chest
GRP002	Paper Machines Emissions Cap	EQT128 21-93c - No. 2 Paper Machine - Save-all Mixed Stock Chest
GRP002	Paper Machines Emissions Cap	EQT127 21-93b - No. 2 Paper Machine - Save-all Vent No. 1
GRP002	Paper Machines Emissions Cap	EQT126 21-93a - No. 2 Paper Machine - Grouped Source
GRP002	Paper Machines Emissions Cap	EQT125 21-04k - No. 2 Paper Machine - No. 2 PM Stock Chest
GRP002	Paper Machines Emissions Cap	EQT124 20-93m - #1 PM Hardwood Low Density Chest
GRP002	Paper Machines Emissions Cap	EQT123 20-93l - #1 PM Primary Pine Low Density Chest
GRP002	Paper Machines Emissions Cap	EQT122 20-93k - #1 PM Secondary Pine Low Density Chest
GRP002	Paper Machines Emissions Cap	EQT121 20-93g - No. 1 Paper Machine - Broke Repulper
GRP002	Paper Machines Emissions Cap	EQT120 20-93d - No. 1 Paper Machine - Save-all White Water Filtrate Chest
GRP002	Paper Machines Emissions Cap	EQT119 20-93c - No. 1 Paper Machine - Save-all Mixing Chest
GRP002	Paper Machines Emissions Cap	EQT118 20-93b - No. 1 Paper Machine - Save-all Vent No. 1
GRP002	Paper Machines Emissions Cap	EQT117 20-93a - No. 1 Paper Machine - Grouped Source
GRP002	Paper Machines Emissions Cap	EQT116 21-01p - No. 1 Paper Machine - Short Fiber Blend Chest
GRP002	Paper Machines Emissions Cap	EQT115 20-01o - No. 1 Paper Machine - HW Refiner Low Density Chest
GRP002	Paper Machines Emissions Cap	EQT114 20-01n - No. 1 Paper Machine - Semichemical Fiber Sidehill Washing
GRP002	Paper Machines Emissions Cap	EQT154 64-04 - Repulper #5
GRP002	Paper Machines Emissions Cap	EQT183 22-93e - No. 3 Paper Machine - B/S Excess White Water Tank
GRP003	Pulping Condensates	ARE9 No. 1 and No. 2 Evaporator 6th Effect Foul Condensate

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Subject Item Groups:

ID	Description	Included Components (from Above)
GRP003	Pulping Condensates	ARE10 No. 1 and No. 2 Evaporator Surface Condenser Foul Condensate
GRP003	Pulping Condensates	ARE11 No. 1 and No. 2 Evaporator 6th Effect Combined Condensate
GRP003	Pulping Condensates	ARE12 No. 1 and No. 2 Evaporator Surface Condenser Combined Condensate
GRP003	Pulping Condensates	ARE13 Primary and/or Secondary Digester Relief Condensate (on Pine)
GRP003	Pulping Condensates	ARE14 Secondary Digester Relief Condensate (on hardwood)
GRP003	Pulping Condensates	ARE15 Semi-chemical Digester Relief Condensate
GRP003	Pulping Condensates	ARE16 Powerhouse NCG/Condensate Separator Condensate
GRP004	LVHC & HVLC Pulping Vents	EQT155 NCG-A - Primary Digester System
GRP004	LVHC & HVLC Pulping Vents	EQT156 NCG-B - Secondary Digester System
GRP004	LVHC & HVLC Pulping Vents	EQT157 NCG-C - Semichemical Digester System
GRP004	LVHC & HVLC Pulping Vents	EQT158 NCG-D - No. 1 Evaporator
GRP004	LVHC & HVLC Pulping Vents	EQT159 NCG-E - No. 2 Evaporator
GRP004	LVHC & HVLC Pulping Vents	EQT160 NCG-H - No. 1 Concentrator/Intermediate Solids Concentrator
GRP004	LVHC & HVLC Pulping Vents	EQT161 NCG-I - No. 2 Concentrator System
GRP004	LVHC & HVLC Pulping Vents	EQT162 NCG-J - Condensate Stripper System
GRP004	LVHC & HVLC Pulping Vents	EQT163 NCG-K - Turpentine Decanter
GRP004	LVHC & HVLC Pulping Vents	EQT164 12A-78 - Diffusion Washer Vent A
GRP004	LVHC & HVLC Pulping Vents	EQT165 12B-78 - Diffusion Washer Vent B
GRP004	LVHC & HVLC Pulping Vents	EQT166 12C-78 - Diffusion Washer Vent C
GRP004	LVHC & HVLC Pulping Vents	EQT167 12D-78 - Diffusion Washer Vent D
GRP004	LVHC & HVLC Pulping Vents	EQT168 12E-78 - Diffusion Washer Vent E
GRP004	LVHC & HVLC Pulping Vents	EQT170 28-93i - Stripped Condensate Tank
GRP004	LVHC & HVLC Pulping Vents	EQT171 31-93a - Primary Filtrate Tank Vent - Washer A (Vent A)
GRP004	LVHC & HVLC Pulping Vents	EQT172 31-93b - Primary Filtrate Tank Vent - Washer A (Vent B)
GRP004	LVHC & HVLC Pulping Vents	EQT173 31-93c - Primary Filtrate Tank Vent - Washer B (Vent A)
GRP004	LVHC & HVLC Pulping Vents	EQT174 31-93d - Primary Filtrate Tank Vent - Washer B (Vent B)
GRP004	LVHC & HVLC Pulping Vents	EQT175 31-93e - Secondary Filtrate Tank Vent - (Vent A)
GRP004	LVHC & HVLC Pulping Vents	EQT176 31-93f - Secondary Filtrate Tank Vent - (Vent B)
GRP004	LVHC & HVLC Pulping Vents	EQT177 31-93g - Semi-chemical Filtrate Tank Vent - (Vent A)
GRP004	LVHC & HVLC Pulping Vents	EQT178 31-93h - Semi-chemical Filtrate Tank Vent - (Vent B)
GRP004	LVHC & HVLC Pulping Vents	EQT185 NCG-M -High Solids Concentrator System
GRP005	Sources exempt from LAC 33:III.2115 subject to recordkeeping	EQT8 56-98b - Crude Tall Oil - Tall Oil Reactor Scrubber
GRP005	Sources exempt from LAC 33:III.2115 subject to recordkeeping	EQT9 42-96 - Soda Ash Unloading
GRP005	Sources exempt from LAC 33:III.2115 subject to recordkeeping	EQT14 8-78 - Lime Slaker/Lime Handling
GRP005	Sources exempt from LAC 33:III.2115 subject to recordkeeping	EQT15 6-78 - No. 1 Smelt Dissolving Tank
GRP005	Sources exempt from LAC 33:III.2115 subject to recordkeeping	EQT17 28-93j - Process Liquor Tanks - Soap Skimmer Tank (No. 1)
GRP005	Sources exempt from LAC 33:III.2115 subject to recordkeeping	EQT38 7-78 - No. 2 Smelt Dissolving Tank

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Subject Item Groups:

ID	Description	Included Components (from Above)
GRP005	Sources exempt from LAC 33:III.2115 subject to recordkeeping	EQT116 21-01p - No. 1 Paper Machine - Short Fiber Blend Chest
GRP005	Sources exempt from LAC 33:III.2115 subject to recordkeeping	EQT115 20-01o - No. 1 Paper Machine - HW Refiner Low Density Chest
GRP005	Sources exempt from LAC 33:III.2115 subject to recordkeeping	EQT114 20-01n - No. 1 Paper Machine - Semichemical Fiber Sidehill Washing
GRP005	Sources exempt from LAC 33:III.2115 subject to recordkeeping	EQT106 56-98j - Crude Tall Oil - Heel Liquor Sample Tank
GRP005	Sources exempt from LAC 33:III.2115 subject to recordkeeping	EQT105 56-98h - Crude Tall Oil - Brine Feed Tank
GRP005	Sources exempt from LAC 33:III.2115 subject to recordkeeping	EQT104 56-98g - Crude Tall Oil - Neutralized Brine Storage Tank
GRP005	Sources exempt from LAC 33:III.2115 subject to recordkeeping	EQT102 56-98d - Crude Tall Oil - Soap Blend Tank
GRP005	Sources exempt from LAC 33:III.2115 subject to recordkeeping	EQT101 56-98c - Crude Tall Oil - Soap Decanting Tank
GRP005	Sources exempt from LAC 33:III.2115 subject to recordkeeping	EQT100 56-98b - Crude Tall Oil - Soap Receiving Tank
GRP005	Sources exempt from LAC 33:III.2115 subject to recordkeeping	EQT94 31-93p - Semichemical Digester Dump Tank
GRP005	Sources exempt from LAC 33:III.2115 subject to recordkeeping	EQT93 31-93o - Hardwood Digester Dump Tank
GRP005	Sources exempt from LAC 33:III.2115 subject to recordkeeping	EQT92 31-93n - Pine Digester Dump Tank
GRP005	Sources exempt from LAC 33:III.2115 subject to recordkeeping	EQT91 31-93m - Pulp Mill Tanks - Semichemical High Density Storage Chest
GRP005	Sources exempt from LAC 33:III.2115 subject to recordkeeping	EQT90 31-93l - Pulp Mill Tanks - Secondary High Density Storage Chest
GRP005	Sources exempt from LAC 33:III.2115 subject to recordkeeping	EQT89 31-93k - Pulp Mill Tanks - Primary High Density Storage Chest C
GRP005	Sources exempt from LAC 33:III.2115 subject to recordkeeping	EQT88 31-93j - Pulp Mill Tanks - Primary High Density Storage Chest B
GRP005	Sources exempt from LAC 33:III.2115 subject to recordkeeping	EQT87 31-93i - Pulp Mill Tanks - Primary High Density Storage Chest A
GRP005	Sources exempt from LAC 33:III.2115 subject to recordkeeping	EQT84 29-93v - Waste Clarifier
GRP005	Sources exempt from LAC 33:III.2115 subject to recordkeeping	EQT83 29-93t - Causticizing Area - Lime Mud Storage Tank
GRP005	Sources exempt from LAC 33:III.2115 subject to recordkeeping	EQT82 29-93q - Causticizing Area - Lime Mud Mix Tank
GRP005	Sources exempt from LAC 33:III.2115 subject to recordkeeping	EQT81 29-93p - Causticizing Area - No. 3 White Liquor Storage Tank
GRP005	Sources exempt from LAC 33:III.2115 subject to recordkeeping	EQT80 29-93o - Causticizing Area - No. 2 White Liquor Storage Tank
GRP005	Sources exempt from LAC 33:III.2115 subject to recordkeeping	EQT79 29-93n - Causticizing Area - No. 1 White Liquor Storage Tank
GRP005	Sources exempt from LAC 33:III.2115 subject to recordkeeping	EQT78 29-93m - Causticizing Area - No. 2 White Liquor Clarifier
GRP005	Sources exempt from LAC 33:III.2115 subject to recordkeeping	EQT77 29-93l - Causticizing Area - No. 1 White Liquor Clarifier
GRP005	Sources exempt from LAC 33:III.2115 subject to recordkeeping	EQT76 29-93k - Causticizing Area - No. 2 Weak Wash Tank
GRP005	Sources exempt from LAC 33:III.2115 subject to recordkeeping	EQT75 29-93j - Causticizing Area - No. 1 Weak Wash Tank
GRP005	Sources exempt from LAC 33:III.2115 subject to recordkeeping	EQT74 29-93d - Causticizing Area - No. 2 Green Liquor Storage Tank
GRP005	Sources exempt from LAC 33:III.2115 subject to recordkeeping	EQT73 29-93c - Causticizing Area - No. 1 Green Liquor Storage Tank
GRP005	Sources exempt from LAC 33:III.2115 subject to recordkeeping	EQT72 29-93b - Causticizing Area - No. 2 Green Liquor Clarifier
GRP005	Sources exempt from LAC 33:III.2115 subject to recordkeeping	EQT71 29-93a - Causticizing Area - No. 1 Green Liquor Clarifier
GRP005	Sources exempt from LAC 33:III.2115 subject to recordkeeping	EQT70 28-93s - #2 RB Black Liquor Dump Tank
GRP005	Sources exempt from LAC 33:III.2115 subject to recordkeeping	EQT69 28-93r - #1 RB Black Liquor Dump Tank
GRP005	Sources exempt from LAC 33:III.2115 subject to recordkeeping	EQT68 28-93q - No. 2 Spill Tank
GRP005	Sources exempt from LAC 33:III.2115 subject to recordkeeping	EQT67 28-93p - No. 1 Spill Tank
GRP005	Sources exempt from LAC 33:III.2115 subject to recordkeeping	EQT66 28-93o - Boilout Tank
GRP005	Sources exempt from LAC 33:III.2115 subject to recordkeeping	EQT65 28-93n - Process Liquor Tanks - Soap Storage Tank

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Subject Item Groups:

ID	Description	Included Components (from Above)
GRP005	Sources exempt from LAC 33:III.2115 subject to recordkeeping	EQT64 28-93m - Process Liquor Tanks - Soap Collection Tank (No. 2)
GRP005	Sources exempt from LAC 33:III.2115 subject to recordkeeping	EQT63 28-93l - Process Liquor Tanks - Soap Collection Tank (No. 1)
GRP005	Sources exempt from LAC 33:III.2115 subject to recordkeeping	EQT62 28-93k - Process Liquor Tanks - Soap Skimmer Tank (No. 2)
GRP005	Sources exempt from LAC 33:III.2115 subject to recordkeeping	EQT61 28-93h - Process Liquor Tanks - Heavy Black Liquor Storage Tank
GRP005	Sources exempt from LAC 33:III.2115 subject to recordkeeping	EQT60 28-93g - Process Liquor Tanks - No. 2 Intermediate Black Liquor Storage Tank
GRP005	Sources exempt from LAC 33:III.2115 subject to recordkeeping	EQT39 20-93e - No. 1 Paper Machine - No. 1 White Water Storage Tank
GRP005	Sources exempt from LAC 33:III.2115 subject to recordkeeping	EQT40 20-93f - No. 1 Paper Machine - No. 2 White Water Storage Tank
GRP005	Sources exempt from LAC 33:III.2115 subject to recordkeeping	EQT117 20-93a - No. 1 Paper Machine - Grouped Source
GRP005	Sources exempt from LAC 33:III.2115 subject to recordkeeping	EQT118 20-93b - No. 1 Paper Machine - Save-all Vent No. 1
GRP005	Sources exempt from LAC 33:III.2115 subject to recordkeeping	EQT119 20-93c - No. 1 Paper Machine - Save-all Mixing Chest
GRP005	Sources exempt from LAC 33:III.2115 subject to recordkeeping	EQT120 20-93d - No. 1 Paper Machine - Save-all White Water Filtrate Chest
GRP005	Sources exempt from LAC 33:III.2115 subject to recordkeeping	EQT122 20-93k - #1 PM Secondary Pine Low Density Chest
GRP005	Sources exempt from LAC 33:III.2115 subject to recordkeeping	EQT123 20-93l - #1 PM Primary Pine Low Density Chest
GRP005	Sources exempt from LAC 33:III.2115 subject to recordkeeping	EQT124 20-93m - #1 PM Hardwood Low Density Chest
GRP005	Sources exempt from LAC 33:III.2115 subject to recordkeeping	EQT125 21-04k - No. 2 Paper Machine - No. 2 PM Stock Chest
GRP005	Sources exempt from LAC 33:III.2115 subject to recordkeeping	EQT126 21-93a - No. 2 Paper Machine - Grouped Source
GRP005	Sources exempt from LAC 33:III.2115 subject to recordkeeping	EQT127 21-93b - No. 2 Paper Machine - Save-all Vent No. 1
GRP005	Sources exempt from LAC 33:III.2115 subject to recordkeeping	EQT128 21-93c - No. 2 Paper Machine - Save-all Mixed Stock Chest
GRP005	Sources exempt from LAC 33:III.2115 subject to recordkeeping	EQT129 21-93d - No. 2 Paper Machine - Save-all White Water Filtrate Chest
GRP005	Sources exempt from LAC 33:III.2115 subject to recordkeeping	EQT131 21-93i - #2 PM Pine Low Density Chest
GRP005	Sources exempt from LAC 33:III.2115 subject to recordkeeping	EQT132 21-93j - #2 PM Semichemical Low Density Chest
GRP005	Sources exempt from LAC 33:III.2115 subject to recordkeeping	EQT41 20-93h - No. 1 Paper Machine - No. 1 Broke Storage Tank
GRP005	Sources exempt from LAC 33:III.2115 subject to recordkeeping	EQT133 22-01n - No. 3 Paper Machine - HW Fiber Low Density Chest/Standpipes
GRP005	Sources exempt from LAC 33:III.2115 subject to recordkeeping	EQT134 22-01o - No. 3 Paper Machine - Pine Fiber Low Density Chest/Standpipes
GRP005	Sources exempt from LAC 33:III.2115 subject to recordkeeping	EQT135 22-93a - No. 3 Paper Machine - Grouped Source
GRP005	Sources exempt from LAC 33:III.2115 subject to recordkeeping	EQT136 22-93c - No. 3 Paper Machine - Save-all Vent
GRP005	Sources exempt from LAC 33:III.2115 subject to recordkeeping	EQT137 22-93d - No. 3 Paper Machine - Save-all Stock Chest
GRP005	Sources exempt from LAC 33:III.2115 subject to recordkeeping	EQT140 22-93m - #3 PM Virgin Fiber Low Density Chest
GRP005	Sources exempt from LAC 33:III.2115 subject to recordkeeping	EQT142 29-93e - Causticizing Area - Dregs Filter
GRP005	Sources exempt from LAC 33:III.2115 subject to recordkeeping	EQT143 29-93f - Causticizing Area - No. 1 Causticizer
GRP005	Sources exempt from LAC 33:III.2115 subject to recordkeeping	EQT50 22-93h - No. 3 Paper Machine - Filtered White Water Tank
GRP005	Sources exempt from LAC 33:III.2115 subject to recordkeeping	EQT49 22-93f - No. 3 Paper Machine - T/S Excess White Water Tank
GRP005	Sources exempt from LAC 33:III.2115 subject to recordkeeping	EQT48 22-93b - No. 3 Paper Machine - High Density Thickener Tank
GRP005	Sources exempt from LAC 33:III.2115 subject to recordkeeping	EQT47 22-01p - No. 3 Paper Machine - T/S Reclaims/Reject Tank
GRP005	Sources exempt from LAC 33:III.2115 subject to recordkeeping	EQT46 21-93h - Corrugated Medium Whitewater Tank
GRP005	Sources exempt from LAC 33:III.2115 subject to recordkeeping	EQT45 21-93g - No. 2 Paper Machine - Broke Storage Tank
GRP005	Sources exempt from LAC 33:III.2115 subject to recordkeeping	EQT44 21-93e - No. 2 Paper Machine - White Water Storage Tank

INVENTORIES

AI ID: 328 - International Paper Co - Mansfield Mill
Activity Number: PER20070001
Permit Number: 0760-00006-V8
Air - Title V Regular Permit Minor Mod

Subject Item Groups:

ID	Description	Included Components (from Above)
GRP005	Sources exempt from LAC 33:III.2115 subject to recordkeeping	EQT43 20-93j - Linerboard Whitewater Tank
GRP005	Sources exempt from LAC 33:III.2115 subject to recordkeeping	EQT42 20-93i - No. 1 Paper Machine - No. 2 Broke Storage Tank
GRP005	Sources exempt from LAC 33:III.2115 subject to recordkeeping	EQT59 28-93f - Process Liquor Tanks - No. 1 Intermediate Black Liquor Storage Tank
GRP005	Sources exempt from LAC 33:III.2115 subject to recordkeeping	EQT58 28-93e - Process Liquor Tanks - Swing Weak Black Liquor Storage Tank
GRP005	Sources exempt from LAC 33:III.2115 subject to recordkeeping	EQT57 28-93d - Process Liquor Tanks - Semichemical Weak Black Liquor Storage Tank
GRP005	Sources exempt from LAC 33:III.2115 subject to recordkeeping	EQT56 28-93c - Process Liquor Tanks - Secondary Weak Black Liquor Storage Tank
GRP005	Sources exempt from LAC 33:III.2115 subject to recordkeeping	EQT55 28-93b - Process Liquor Tanks - Primary Weak Black Liquor Storage Tank West
GRP005	Sources exempt from LAC 33:III.2115 subject to recordkeeping	EQT54 28-93a - Process Liquor Tanks - Primary Weak Black Liquor Storage Tank East
GRP005	Sources exempt from LAC 33:III.2115 subject to recordkeeping	EQT53 22-93l - No. 3 Paper Machine - Broke Storage Tank
GRP005	Sources exempt from LAC 33:III.2115 subject to recordkeeping	EQT52 22-93j - No. 3 Paper Machine - T/S White Water Storage Tank
GRP005	Sources exempt from LAC 33:III.2115 subject to recordkeeping	EQT51 22-93i - No. 3 Paper Machine - B/S White Water Storage Tank
GRP005	Sources exempt from LAC 33:III.2115 subject to recordkeeping	EQT144 29-93g - Causticizing Area - No. 2 Causticizer
GRP005	Sources exempt from LAC 33:III.2115 subject to recordkeeping	EQT145 29-93h - Causticizing Area - No. 3 Causticizer
GRP005	Sources exempt from LAC 33:III.2115 subject to recordkeeping	EQT146 29-93i - Causticizing Area - No. 4 Causticizer
GRP005	Sources exempt from LAC 33:III.2115 subject to recordkeeping	EQT147 29-93r - Causticizing Area - No. 1 Lime Mud Washer
GRP005	Sources exempt from LAC 33:III.2115 subject to recordkeeping	EQT148 29-93s - Causticizing Area - No. 2 Lime Mud Washer
GRP005	Sources exempt from LAC 33:III.2115 subject to recordkeeping	EQT149 29-93u - Causticizing Area - Lime Mud Precoat Filter
GRP005	Sources exempt from LAC 33:III.2115 subject to recordkeeping	EQT150 30-93a - Black Liquor Filters - Secondary Black Liquor Filter
GRP005	Sources exempt from LAC 33:III.2115 subject to recordkeeping	EQT151 30-93b - Black Liquor Filters - Primary Black Liquor Filter
GRP005	Sources exempt from LAC 33:III.2115 subject to recordkeeping	EQT152 60-00 - Fiber Reclaims System
GRP005	Sources exempt from LAC 33:III.2115 subject to recordkeeping	EQT179 TO-A - Crude Tall Oil-Brine Receiver Tank
GRP005	Sources exempt from LAC 33:III.2115 subject to recordkeeping	EQT180 TO-B - Crude Tall Oil-Cleaner Accepts Tank
GRP005	Sources exempt from LAC 33:III.2115 subject to recordkeeping	EQT181 TO-C - Crude Tall Oil-Wet CTO Tank
GRP005	Sources exempt from LAC 33:III.2115 subject to recordkeeping	EQT182 TO-D - Crude Tall Oil-Dry CTO Tank
GRP005	Sources exempt from LAC 33:III.2115 subject to recordkeeping	EQT183 22-93e - No. 3 Paper Machine - B/S Excess White Water Tank
GRP006	Power Boilers	EQT5 1-78 - No. 1 Power Boiler
GRP006	Power Boilers	EQT35 2-78 - No. 2 Power Boiler
GRP007	Entire Facility	ARE5 25-93 - Landfill
GRP007	Entire Facility	ARE9 No. 1 and No. 2 Evaporator 6th Effect Foul Condensate
GRP007	Entire Facility	ARE10 No. 1 and No. 2 Evaporator Surface Condenser Foul Condensate
GRP007	Entire Facility	ARE11 No. 1 and No. 2 Evaporator 6th Effect Combined Condensate
GRP007	Entire Facility	ARE12 No. 1 and No. 2 Evaporator Surface Condenser Combined Condensate
GRP007	Entire Facility	ARE13 Primary and/or Secondary Digester Relief Condensate (on Pine)
GRP007	Entire Facility	ARE14 Secondary Digester Relief Condensate (on hardwood)
GRP007	Entire Facility	ARE15 Semi-chemical Digester Relief Condensate
GRP007	Entire Facility	EQT46 21-93h - Corrugated Medium Whitewater Tank
GRP007	Entire Facility	EQT45 21-93g - No. 2 Paper Machine - Broke Storage Tank

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AI ID: 328 - International Paper Co - Mansfield Mill
Activity Number: PER20070001
Permit Number: 0760-00006-V8
Air - Title V Regular Permit Minor Mod

Subject Item Groups:

ID	Description	Included Components (from Above)
GRP007	Entire Facility	EQT44 21-93e - No. 2 Paper Machine - White Water Storage Tank
GRP007	Entire Facility	EQT43 20-93j - Linerboard Whitewater Tank
GRP007	Entire Facility	EQT42 20-93i - No. 1 Paper Machine - No. 2 Broke Storage Tank
GRP007	Entire Facility	EQT41 20-93h - No. 1 Paper Machine - No. 1 Broke Storage Tank
GRP007	Entire Facility	EQT40 20-93f - No. 1 Paper Machine - No. 2 White Water Storage Tank
GRP007	Entire Facility	EQT39 20-93e - No. 1 Paper Machine - No. 1 White Water Storage Tank
GRP007	Entire Facility	EQT38 7-78 - No. 2 Smelt Dissolving Tank
GRP007	Entire Facility	EQT63 28-93l - Process Liquor Tanks - Soap Collection Tank (No. 1)
GRP007	Entire Facility	EQT62 28-93k - Process Liquor Tanks - Soap Skimmer Tank (No. 2)
GRP007	Entire Facility	EQT61 28-93h - Process Liquor Tanks - Heavy Black Liquor Storage Tank
GRP007	Entire Facility	EQT60 28-93g - Process Liquor Tanks - No. 2 Intermediate Black Liquor Storage Tank
GRP007	Entire Facility	EQT59 28-93f - Process Liquor Tanks - No. 1 Intermediate Black Liquor Storage Tank
GRP007	Entire Facility	EQT58 28-93e - Process Liquor Tanks - Swing Weak Black Liquor Storage Tank
GRP007	Entire Facility	EQT57 28-93d - Process Liquor Tanks - Semichemical Weak Black Liquor Storage Tank
GRP007	Entire Facility	EQT56 28-93c - Process Liquor Tanks - Secondary Weak Black Liquor Storage Tank
GRP007	Entire Facility	EQT55 28-93b - Process Liquor Tanks - Primary Weak Black Liquor Storage Tank West
GRP007	Entire Facility	EQT144 29-93g - Causticizing Area - No. 2 Causticizer
GRP007	Entire Facility	EQT143 29-93f - Causticizing Area - No. 1 Causticizer
GRP007	Entire Facility	EQT142 29-93e - Causticizing Area - Dregs Filter
GRP007	Entire Facility	EQT141 27-93 - Process Chillers
GRP007	Entire Facility	EQT140 22-93m - #3 PM Virgin Fiber Low Density Chest
GRP007	Entire Facility	EQT139 22-93k - No. 3 Paper Machine - Broke Repulper
GRP007	Entire Facility	EQT138 22-93g - No. 3 Paper Machine - AES Filters
GRP007	Entire Facility	EQT137 22-93d - No. 3 Paper Machine - Save-all Stock Chest
GRP007	Entire Facility	EQT136 22-93c - No. 3 Paper Machine - Save-all Vent
GRP007	Entire Facility	EQT161 NCG-I - No. 2 Concentrator System
GRP007	Entire Facility	EQT160 NCG-H - No. 1 Concentrator/Intermediate Solids Concentrator
GRP007	Entire Facility	EQT159 NCG-E - No. 2 Evaporator
GRP007	Entire Facility	EQT158 NCG-D - No. 1 Evaporator
GRP007	Entire Facility	EQT157 NCG-C - Semichemical Digester System
GRP007	Entire Facility	EQT156 NCG-B - Secondary Digester System
GRP007	Entire Facility	EQT155 NCG-A - Primary Digester System
GRP007	Entire Facility	EQT154 64-04 - Repulper #5
GRP007	Entire Facility	EQT153 63-04 - Repulper #4
GRP007	Entire Facility	EQT132 21-93j - #2 PM Semichemical Low Density Chest
GRP007	Entire Facility	EQT131 21-93i - #2 PM Pine Low Density Chest
GRP007	Entire Facility	EQT130 21-93f - No. 2 Paper Machine - Broke Repulper

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Activity Number: PER20070001
Permit Number: 0760-00006-V8
Air - Title V Regular Permit Minor Mod

Subject Item Groups:

ID	Description	Included Components (from Above)
GRP007	Entire Facility	EQT129 21-93d - No. 2 Paper Machine - Save-all White Water Filtrate Chest
GRP007	Entire Facility	EQT128 21-93c - No. 2 Paper Machine - Save-all Mixed Stock Chest
GRP007	Entire Facility	EQT127 21-93b - No. 2 Paper Machine - Save-all Vent No. 1
GRP007	Entire Facility	EQT126 21-93a - No. 2 Paper Machine - Grouped Source
GRP007	Entire Facility	EQT125 21-04k - No. 2 Paper Machine - No. 2 PM Stock Chest
GRP007	Entire Facility	EQT124 20-93m - #1 PM Hardwood Low Density Chest
GRP007	Entire Facility	EQT123 20-93l - #1 PM Primary Pine Low Density Chest
GRP007	Entire Facility	EQT122 20-93k - #1 PM Secondary Pine Low Density Chest
GRP007	Entire Facility	EQT121 20-93g - No. 1 Paper Machine - Broke Repulper
GRP007	Entire Facility	EQT120 20-93d - No. 1 Paper Machine - Save-all White Water Filtrate Chest
GRP007	Entire Facility	EQT119 20-93c - No. 1 Paper Machine - Save-all Mixing Chest
GRP007	Entire Facility	EQT118 20-93b - No. 1 Paper Machine - Save-all Vent No. 1
GRP007	Entire Facility	EQT117 20-93a - No. 1 Paper Machine - Grouped Source
GRP007	Entire Facility	EQT116 21-01p - No. 1 Paper Machine - Short Fiber Blend Chest
GRP007	Entire Facility	EQT115 20-01o - No. 1 Paper Machine - HW Refiner Low Density Chest
GRP007	Entire Facility	EQT114 20-01n - No. 1 Paper Machine - Semichemical Fiber Sidehill Washing
GRP007	Entire Facility	EQT113 16-93 - Repulper #3
GRP007	Entire Facility	EQT112 15-93 - Repulper #2
GRP007	Entire Facility	EQT111 14-93 - Repulper #1
GRP007	Entire Facility	EQT110 59-00d - #3 PM Bulk Sulfuric Acid Tank
GRP007	Entire Facility	EQT109 59-00c - #3 PM Acid Supply Tank
GRP007	Entire Facility	EQT108 59-00b - Demin Water Acid Mix Tank
GRP007	Entire Facility	EQT107 59-00a - Sulfuric Acid Supply Tank
GRP007	Entire Facility	EQT106 56-98j - Crude Tall Oil - Heel Liquor Sample Tank
GRP007	Entire Facility	EQT105 56-98h - Crude Tall Oil - Brine Feed Tank
GRP007	Entire Facility	EQT104 56-98g - Crude Tall Oil - Neutralized Brine Storage Tank
GRP007	Entire Facility	EQT103 56-98e - Crude Tall Oil - Sulfuric Acid Storage Tank
GRP007	Entire Facility	EQT102 56-98d - Crude Tall Oil - Soap Blend Tank
GRP007	Entire Facility	EQT101 56-98c - Crude Tall Oil - Soap Decanting Tank
GRP007	Entire Facility	EQT100 56-98b - Crude Tall Oil - Soap Receiving Tank
GRP007	Entire Facility	EQT99 44-96 - Fuel Oil Day Tank (No. 6)
GRP007	Entire Facility	EQT98 43-96 - No. 6 Fuel Oil Storage Tank
GRP007	Entire Facility	EQT96 40-96 - Unleaded Gasoline Bulk Tank
GRP007	Entire Facility	EQT94 31-93p - Semichemical Digester Dump Tank
GRP007	Entire Facility	EQT93 31-93o - Hardwood Digester Dump Tank
GRP007	Entire Facility	EQT92 31-93n - Pine Digester Dump Tank
GRP007	Entire Facility	EQT91 31-93m - Pulp Mill Tanks - Semichemical High Density Storage Chest

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AI ID: 328 - International Paper Co - Mansfield Mill
Activity Number: PER20070001
Permit Number: 0760-00006-V8
Air - Title V Regular Permit Minor Mod

Subject Item Groups:

ID	Description	Included Components (from Above)
GRP007	Entire Facility	EQT90 31-93l - Pulp Mill Tanks - Secondary High Density Storage Chest
GRP007	Entire Facility	EQT89 31-93k - Pulp Mill Tanks - Primary High Density Storage Chest C
GRP007	Entire Facility	EQT88 31-93j - Pulp Mill Tanks - Primary High Density Storage Chest B
GRP007	Entire Facility	EQT87 31-93i - Pulp Mill Tanks - Primary High Density Storage Chest A
GRP007	Entire Facility	EQT86 29-93x - Sodium Hydrosulfide Tank #2
GRP007	Entire Facility	EQT85 29-93w - Sodium Hydrosulfide Tank #1
GRP007	Entire Facility	EQT84 29-93v - Waste Clarifier
GRP007	Entire Facility	EQT83 29-93t - Causticizing Area - Lime Mud Storage Tank
GRP007	Entire Facility	EQT82 29-93q - Causticizing Area - Lime Mud Mix Tank
GRP007	Entire Facility	EQT81 29-93p - Causticizing Area - No. 3 White Liquor Storage Tank
GRP007	Entire Facility	EQT80 29-93o - Causticizing Area - No. 2 White Liquor Storage Tank
GRP007	Entire Facility	EQT79 29-93n - Causticizing Area - No. 1 White Liquor Storage Tank
GRP007	Entire Facility	EQT78 29-93m - Causticizing Area - No. 2 White Liquor Clarifier
GRP007	Entire Facility	EQT77 29-93l - Causticizing Area - No. 1 White Liquor Clarifier
GRP007	Entire Facility	EQT76 29-93k - Causticizing Area - No. 2 Weak Wash Tank
GRP007	Entire Facility	EQT75 29-93j - Causticizing Area - No. 1 Weak Wash Tank
GRP007	Entire Facility	EQT74 29-93d - Causticizing Area - No. 2 Green Liquor Storage Tank
GRP007	Entire Facility	EQT73 29-93c - Causticizing Area - No. 1 Green Liquor Storage Tank
GRP007	Entire Facility	EQT72 29-93b - Causticizing Area - No. 2 Green Liquor Clarifier
GRP007	Entire Facility	EQT71 29-93a - Causticizing Area - No. 1 Green Liquor Clarifier
GRP007	Entire Facility	EQT70 28-93s - #2 RB Black Liquor Dump Tank
GRP007	Entire Facility	EQT69 28-93r - #1 RB Black Liquor Dump Tank
GRP007	Entire Facility	FUG6 54-96 - Paint Yard
GRP007	Entire Facility	FUG5 26-93 - Haul Roads
GRP007	Entire Facility	FUG4 23-93 - Woodyard Grouped Source
GRP007	Entire Facility	FUG3 19-93 - Bark/Woodwaste/Sludge Handling
GRP007	Entire Facility	FUG2 18-93 - Ash Handling Operations
GRP007	Entire Facility	FUG1 17-93 - Coal Storage/Handling
GRP007	Entire Facility	EQT187 66-05 - Lime Kiln Auxiliary Engine
GRP007	Entire Facility	EQT186 65-05 - Clarke Fire-Water Pump
GRP007	Entire Facility	EQT185 NCG-M -High Solids Concentrator System
GRP007	Entire Facility	EQT184 32-93 - Cationic Starch Silo
GRP007	Entire Facility	EQT183 22-93e - No. 3 Paper Machine - B/S Excess White Water Tank
GRP007	Entire Facility	EQT182 TO-D - Crude Tall Oil-Dry CTO Tank
GRP007	Entire Facility	EQT181 TO-C - Crude Tall Oil-Wet CTO Tank
GRP007	Entire Facility	EQT180 TO-B - Crude Tall Oil-Cleaner Accepts Tank
GRP007	Entire Facility	EQT179 TO-A - Crude Tall Oil-Brine Receiver Tank

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Subject Item Groups:

ID	Description	Included Components (from Above)
GRP007	Entire Facility	EQT178 31-93h - Semi-chemical Filtrate Tank Vent - (Vent B)
GRP007	Entire Facility	EQT177 31-93g - Semi-chemical Filtrate Tank Vent - (Vent A)
GRP007	Entire Facility	EQT176 31-93f - Secondary Filtrate Tank Vent - (Vent B)
GRP007	Entire Facility	EQT175 31-93e - Secondary Filtrate Tank Vent - (Vent A)
GRP007	Entire Facility	EQT174 31-93d - Primary Filtrate Tank Vent - Washer B (Vent B)
GRP007	Entire Facility	EQT173 31-93c - Primary Filtrate Tank Vent - Washer B (Vent A)
GRP007	Entire Facility	EQT172 31-93b - Primary Filtrate Tank Vent - Washer A (Vent B)
GRP007	Entire Facility	EQT171 31-93a - Primary Filtrate Tank Vent - Washer A (Vent A)
GRP007	Entire Facility	EQT170 28-93i - Stripped Condensate Tank
GRP007	Entire Facility	EQT169 NCG-L - Turpentine Storage
GRP007	Entire Facility	EQT168 12E-78 - Diffusion Washer Vent E
GRP007	Entire Facility	EQT167 12D-78 - Diffusion Washer Vent D
GRP007	Entire Facility	EQT166 12C-78 - Diffusion Washer Vent C
GRP007	Entire Facility	EQT165 12B-78 - Diffusion Washer Vent B
GRP007	Entire Facility	EQT164 12A-78 - Diffusion Washer Vent A
GRP007	Entire Facility	EQT163 NCG-K - Turpentine Decanter
GRP007	Entire Facility	EQT162 NCG-J - Condensate Stripper System
GRP007	Entire Facility	EQT152 60-00 - Fiber Reclaims System
GRP007	Entire Facility	EQT151 30-93b - Black Liquor Filters - Primary Black Liquor Filter
GRP007	Entire Facility	EQT150 30-93a - Black Liquor Filters - Secondary Black Liquor Filter
GRP007	Entire Facility	EQT149 29-93u - Causticizing Area - Lime Mud Precoat Filter
GRP007	Entire Facility	EQT148 29-93s - Causticizing Area - No. 2 Lime Mud Washer
GRP007	Entire Facility	EQT147 29-93r - Causticizing Area - No. 1 Lime Mud Washer
GRP007	Entire Facility	EQT146 29-93i - Causticizing Area - No. 4 Causticizer
GRP007	Entire Facility	EQT145 29-93h - Causticizing Area - No. 3 Causticizer
GRP007	Entire Facility	EQT135 22-93a - No. 3 Paper Machine - Grouped Source
GRP007	Entire Facility	EQT134 22-01o - No. 3 Paper Machine - Pine Fiber Low Density Chest/Standpipes
GRP007	Entire Facility	EQT133 22-01n - No. 3 Paper Machine - HW Fiber Low Density Chest/Standpipes
GRP007	Entire Facility	EQT68 28-93q - No. 2 Spill Tank
GRP007	Entire Facility	EQT67 28-93p - No. 1 Spill Tank
GRP007	Entire Facility	EQT66 28-93o - Boilout Tank
GRP007	Entire Facility	EQT65 28-93n - Process Liquor Tanks - Soap Storage Tank
GRP007	Entire Facility	EQT64 28-93m - Process Liquor Tanks - Soap Collection Tank (No. 2)
GRP007	Entire Facility	EQT54 28-93a - Process Liquor Tanks - Primary Weak Black Liquor Storage Tank East
GRP007	Entire Facility	EQT53 22-93l - No. 3 Paper Machine - Broke Storage Tank
GRP007	Entire Facility	EQT52 22-93j - No. 3 Paper Machine - T/S White Water Storage Tank
GRP007	Entire Facility	EQT51 22-93i - No. 3 Paper Machine - B/S White Water Storage Tank

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Activity Number: PER20070001
Permit Number: 0760-00006-V8
Air - Title V Regular Permit Minor Mod

Subject Item Groups:

ID	Description	Included Components (from Above)
GRP007	Entire Facility	EQT50 22-93h - No. 3 Paper Machine - Filtered White Water Tank
GRP007	Entire Facility	EQT49 22-93f - No. 3 Paper Machine - T/S Excess White Water Tank
GRP007	Entire Facility	EQT48 22-93b - No. 3 Paper Machine - High Density Thickener Tank
GRP007	Entire Facility	EQT47 22-01p - No. 3 Paper Machine - T/S Reclaims/Reject Tank
GRP007	Entire Facility	EQT37 5-78 - No. 2 Recovery Boiler
GRP007	Entire Facility	EQT36 4-78 - No. 1 Recovery Boiler
GRP007	Entire Facility	EQT35 2-78 - No. 2 Power Boiler
GRP007	Entire Facility	EQT34 52-96 - Mud Storage Diesel Generator
GRP007	Entire Facility	EQT33 51-96 - Effluent Lift Pit Diesel Engine
GRP007	Entire Facility	EQT32 50-96 - Administration Building Diesel Generator
GRP007	Entire Facility	EQT31 49-96 - Waste Clarifier Diesel Engine
GRP007	Entire Facility	EQT21 34-93 - Talc Silo
GRP007	Entire Facility	EQT19 53-96 - Boiler Feedwater/Steam Condensate Treatment Operations
GRP007	Entire Facility	EQT18 36-96 - Caterpillar Back-up Diesel Air Compressor (No. 1)
GRP007	Entire Facility	EQT17 28-93j - Process Liquor Tanks - Soap Skimmer Tank (No. 1)
GRP007	Entire Facility	EQT16 45-96 - No. 2 Fuel Oil Bulk Tank
GRP007	Entire Facility	EQT15 6-78 - No. 1 Smelt Dissolving Tank
GRP007	Entire Facility	EQT14 8-78 - Lime Slaker/Lime Handling
GRP007	Entire Facility	EQT13 24-93 - Wastewater Treatment
GRP007	Entire Facility	EQT12 33-93 - Oxidized Starch Silo
GRP007	Entire Facility	EQT30 48-96 - Clarifier Diesel Engine "Big Bubba"
GRP007	Entire Facility	EQT29 47-96 - Detroit Diesel Fire-Water Pump No. 3
GRP007	Entire Facility	EQT28 46-96 - Detroit Diesel Fire-Water Pump No. 2
GRP007	Entire Facility	EQT27 39-96 - Auxiliary Diesel Generator (No. 2)
GRP007	Entire Facility	EQT26 38-96 - Auxiliary Diesel Generator (No. 1)
GRP007	Entire Facility	EQT25 9-78 - NCG Incinerator
GRP007	Entire Facility	EQT24 56-98i - Crude Tall Oil - Tall Oil Loading Facilities
GRP007	Entire Facility	EQT23 56-98a - Crude Tall Oil - Soap Unloading Facilities
GRP007	Entire Facility	EQT22 61-01 - Pearl Starch Silo
GRP007	Entire Facility	EQT10 57-99 - HVLC Incinerator
GRP007	Entire Facility	EQT9 42-96 - Soda Ash Unloading
GRP007	Entire Facility	EQT8 56-98b - Crude Tall Oil - Tall Oil Reactor Scrubber
GRP007	Entire Facility	EQT7 13-93 - Gas Turbine/HRSG Stack
GRP007	Entire Facility	EQT6 3-78 - Lime Kiln
GRP007	Entire Facility	EQT5 1-78 - No. 1 Power Boiler
GRP007	Entire Facility	ARE16 Powerhouse NCG/Condensate Separator Condensate
GRP008	*Coal Firing Scenario for Power Boilers*	EQT5 1-78 - No. 1 Power Boiler

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Air - Title V Regular Permit Minor Mod

Subject Item Groups:

ID	Description	Included Components (from Above)
GRP008	Coal Firing Scenario for Power Boilers	EQT35 2-78 - No. 2 Power Boiler
GRP009	Fuel Oil Firing Scenario for Power Boilers	EQT5 1-78 - No. 1 Power Boiler
GRP009	Fuel Oil Firing Scenario for Power Boilers	EQT35 2-78 - No. 2 Power Boiler
GRP010	Combined Firing Scenario for Power Boilers	EQT5 1-78 - No. 1 Power Boiler
GRP010	Combined Firing Scenario for Power Boilers	EQT35 2-78 - No. 2 Power Boiler

Relationships:

Subject Item	Relationship	Subject Item
EQT6 3-78 - Lime Kiln	Controls emissions from	EQT155 NCG-A - Primary Digester System
EQT6 3-78 - Lime Kiln	Controls emissions from	EQT156 NCG-B - Secondary Digester System
EQT6 3-78 - Lime Kiln	Controls emissions from	EQT157 NCG-C - Semichemical Digester System
EQT6 3-78 - Lime Kiln	Controls emissions from	EQT158 NCG-D - No. 1 Evaporator
EQT6 3-78 - Lime Kiln	Controls emissions from	EQT159 NCG-E - No. 2 Evaporator
EQT6 3-78 - Lime Kiln	Controls emissions from	EQT160 NCG-H - No. 1 Concentrator/Intermediate Solids Concentrator
EQT6 3-78 - Lime Kiln	Controls emissions from	EQT161 NCG-I - No. 2 Concentrator System
EQT6 3-78 - Lime Kiln	Controls emissions from	EQT162 NCG-J - Condensate Stripper System
EQT6 3-78 - Lime Kiln	Controls emissions from	EQT163 NCG-K - Turpentine Decanter
EQT6 3-78 - Lime Kiln	Controls emissions from	EQT169 NCG-L - Turpentine Storage
EQT6 3-78 - Lime Kiln	Controls emissions from	EQT185 NCG-M -High Solids Concentrator System
EQT8 56-98b - Crude Tall Oil - Tall Oil Reactor Scrubber	Controls emissions from	EQT179 TO-A - Crude Tall Oil-Brine Receiver Tank
EQT8 56-98b - Crude Tall Oil - Tall Oil Reactor Scrubber	Controls emissions from	EQT180 TO-B - Crude Tall Oil-Cleaner Accepts Tank
EQT8 56-98b - Crude Tall Oil - Tall Oil Reactor Scrubber	Controls emissions from	EQT181 TO-C - Crude Tall Oil-Wet CTO Tank
EQT8 56-98b - Crude Tall Oil - Tall Oil Reactor Scrubber	Controls emissions from	EQT182 TO-D - Crude Tall Oil-Dry CTO Tank
EQT10 57-99 - HVLC Incinerator	Controls emissions from	EQT164 12A-78 - Diffusion Washer Vent A
EQT10 57-99 - HVLC Incinerator	Controls emissions from	EQT165 12B-78 - Diffusion Washer Vent B
EQT10 57-99 - HVLC Incinerator	Controls emissions from	EQT166 12C-78 - Diffusion Washer Vent C
EQT10 57-99 - HVLC Incinerator	Controls emissions from	EQT167 12D-78 - Diffusion Washer Vent D
EQT10 57-99 - HVLC Incinerator	Controls emissions from	EQT168 12E-78 - Diffusion Washer Vent E
EQT10 57-99 - HVLC Incinerator	Controls emissions from	EQT170 28-93i - Stripped Condensate Tank
EQT10 57-99 - HVLC Incinerator	Controls emissions from	EQT171 31-93a - Primary Filtrate Tank Vent - Washer A (Vent A)
EQT10 57-99 - HVLC Incinerator	Controls emissions from	EQT172 31-93b - Primary Filtrate Tank Vent - Washer A (Vent B)
EQT10 57-99 - HVLC Incinerator	Controls emissions from	EQT173 31-93c - Primary Filtrate Tank Vent - Washer B (Vent A)
EQT10 57-99 - HVLC Incinerator	Controls emissions from	EQT174 31-93d - Primary Filtrate Tank Vent - Washer B (Vent B)
EQT10 57-99 - HVLC Incinerator	Controls emissions from	EQT175 31-93e - Secondary Filtrate Tank Vent - (Vent A)
EQT10 57-99 - HVLC Incinerator	Controls emissions from	EQT176 31-93f - Secondary Filtrate Tank Vent - (Vent B)
EQT10 57-99 - HVLC Incinerator	Controls emissions from	EQT177 31-93g - Semi-chemical Filtrate Tank Vent - (Vent A)
EQT10 57-99 - HVLC Incinerator	Controls emissions from	EQT178 31-93h - Semi-chemical Filtrate Tank Vent - (Vent B)

INVENTORIES

AI ID: 328 - International Paper Co - Mansfield Mill
Activity Number: PER20070001
Permit Number: 0760-00006-V8
Air - Title V Regular Permit Minor Mod

Relationships:

Subject Item	Relationship	Subject Item
EQT25 9-78 - NCG Incinerator	Controls emissions from, , when not controlled by EQT6	EQT155 NCG-A - Primary Digester System
EQT25 9-78 - NCG Incinerator	Controls emissions from, , when not controlled by EQT6	EQT156 NCG-B - Secondary Digester System
EQT25 9-78 - NCG Incinerator	Controls emissions from, , when not controlled by EQT6	EQT157 NCG-C - Semichemical Digester System
EQT25 9-78 - NCG Incinerator	Controls emissions from, , when not controlled by EQT6	EQT158 NCG-D - No. 1 Evaporator
EQT25 9-78 - NCG Incinerator	Controls emissions from, , when not controlled by EQT6	EQT159 NCG-E - No. 2 Evaporator
EQT25 9-78 - NCG Incinerator	Controls emissions from, , when not controlled by EQT6	EQT160 NCG-H - No. 1 Concentrator/Intermediate Solids Concentrator
EQT25 9-78 - NCG Incinerator	Controls emissions from, , when not controlled by EQT6	EQT161 NCG-I - No. 2 Concentrator System
EQT25 9-78 - NCG Incinerator	Controls emissions from, , when not controlled by EQT6	EQT162 NCG-J - Condensate Stripper System
EQT25 9-78 - NCG Incinerator	Controls emissions from, , when not controlled by EQT6	EQT163 NCG-K - Turpentine Decanter
EQT25 9-78 - NCG Incinerator	Controls emissions from, , when not controlled by EQT6	EQT169 NCG-L - Turpentine Storage
EQT25 9-78 - NCG Incinerator	Controls emissions from, , when not controlled by EQT6	EQT185 NCG-M -High Solids Concentrator System
GRP3 Pulping Condensates	Vents to	EQT164 12A-78 - Diffusion Washer Vent A
GRP3 Pulping Condensates	Vents to	EQT165 12B-78 - Diffusion Washer Vent B
GRP3 Pulping Condensates	Vents to	EQT166 12C-78 - Diffusion Washer Vent C
GRP3 Pulping Condensates	Vents to	EQT167 12D-78 - Diffusion Washer Vent D
GRP3 Pulping Condensates	Vents to	EQT168 12E-78 - Diffusion Washer Vent E

Stack Information:

ID		Velocity (ft/sec)	Flow Rate (cubic ft/min-actual)	Diameter (feet)	Discharge Area (square feet)	Height (feet)	Temperature (oF)
AI328							
EQT005	1-78 - No. 1 Power Boiler	101.5	422583		69.4	263	426
EQT006	3-78 - Lime Kiln	23.4	70450		50.2	120	192
EQT007	13-93 - Gas Turbine/HRSG Stack	47.8	323903	100		113	272
EQT008	56-98b - Crude Tall Oil - Tall Oil Reactor Scrubber	39	2500	1.17		50	206
EQT009	42-96 - Soda Ash Unloading	20.2	1300	1.17		41.75	
EQT010	57-99 - HVLC Incinerator	33.3	9800	2.5		100	130
EQT012	33-93 - Oxidized Starch Silo	65	1370		.35	.8	75
EQT014	8-78 - Lime Slaker/Lime Handling	8.03	3383		7.02	94	193
EQT015	6-78 - No. 1 Smelt Dissolving Tank	30.9	70373		38	261	160
EQT016	45-96 - No. 2 Fuel Oil Bulk Tank			.33		17	85
EQT017	28-93j - Process Liquor Tanks - Soap Skimmer Tank (No. 1)			5		14.3	140
EQT018	36-96 - Caterpillar Back-up Diesel Air Compressor (No. 1)	33.5	1527	.98		40	300
EQT019	53-96 - Boiler Feedwater/Steam Condensate Treatment Operations						

INVENTORIES

AI ID: 328 - International Paper Co - Mansfield Mill
Activity Number: PER20070001
Permit Number: 0760-00006-V8
Air - Title V Regular Permit Minor Mod

Stack Information:

ID		Velocity (ft/sec)	Flow Rate (cubic ft/min-actual)	Diameter (feet)	Discharge Area (square feet)	Height (feet)	Temperature (oF)
EQT021	34-93 - Talc Silo	100	1200		.2	62	75
EQT022	61-01 - Pearl Starch Silo	65	1370		.35	.8	75
EQT023	56-98a - Crude Tall Oil - Soap Unloading Facilities						
EQT024	56-98i - Crude Tall Oil - Tall Oil Loading Facilities						
EQT025	9-78 - NCG Incinerator	70	9532		2.27	144	1298
EQT026	38-96 - Auxiliary Diesel Generator (No. 1)	42.2	1927	.98		16	300
EQT027	39-96 - Auxiliary Diesel Generator (No. 2)	42.2	1927	.98		16	300
EQT028	46-96 - Detroit Diesel Fire-Water Pump No. 2	24.9	597	.67		16	300
EQT029	47-96 - Detroit Diesel Fire-Water Pump No. 3	24.9	597	.67		10	300
EQT030	48-96 - Clarifier Diesel Engine "Big Bubba"	34.4	698	.67		13	300
EQT031	49-96 - Waste Clarifier Diesel Engine	40.1	814	.67		9	300
EQT032	50-96 - Administration Building Diesel Generator	57	1157	.67		7.5	300
EQT033	51-96 - Effluent Lift Pit Diesel Engine	67.5	342	.33		9	300
EQT034	52-96 - Mud Storage Diesel Generator	57.7	293	.33		40	300
EQT035	2-78 - No. 2 Power Boiler	101.5	422583		69.4	263	426
EQT036	4-78 - No. 1 Recovery Boiler	96.2	444576		77	263	400
EQT037	5-78 - No. 2 Recovery Boiler	96.2	444576		77	263	400
EQT038	7-78 - No. 2 Smelt Dissolving Tank	30.9	70373		38	261	160
EQT039	20-93e - No. 1 Paper Machine - No. 1 White Water Storage Tank			.67		94	130
EQT040	20-93f - No. 1 Paper Machine - No. 2 White Water Storage Tank			.67		94	130
EQT041	20-93h - No. 1 Paper Machine - No. 1 Broke Storage Tank			.67		100	110
EQT042	20-93i - No. 1 Paper Machine - No. 2 Broke Storage Tank			.67		100	110
EQT043	20-93j - Linerboard Whitewater Tank			.83		25.08	
EQT044	21-93e - No. 2 Paper Machine - White Water Storage Tank			.67		94	130
EQT045	21-93g - No. 2 Paper Machine - Broke Storage Tank			.67		100	110
EQT046	21-93h - Corrugated Medium Whitewater Tank			.67		24.67	
EQT047	22-01p - No. 3 Paper Machine - T/S Reclaims/Reject Tank						
EQT048	22-93b - No. 3 Paper Machine - High Density Thickener Tank			6.5		100	130
EQT049	22-93f - No. 3 Paper Machine - T/S Excess White Water Tank						120
EQT050	22-93h - No. 3 Paper Machine - Filtered White Water Tank			.67		20	120
EQT051	22-93i - No. 3 Paper Machine - B/S White Water Storage Tank			1		60	110
EQT052	22-93j - No. 3 Paper Machine - T/S White Water Storage Tank			1		60	110
EQT053	22-93l - No. 3 Paper Machine - Broke Storage Tank			1		80	120
EQT054	28-93a - Process Liquor Tanks - Primary Weak Black Liquor Storage Tank East			.5		32.5	190
EQT055	28-93b - Process Liquor Tanks - Primary Weak Black Liquor Storage Tank West			.5		32.5	190
EQT056	28-93c - Process Liquor Tanks - Secondary Weak Black Liquor Storage Tank			.5		32.5	190
EQT057	28-93d - Process Liquor Tanks - Semichemical Weak Black Liquor Storage Tank			.5		30.2	190
EQT058	28-93e - Process Liquor Tanks - Swing Weak Black Liquor Storage Tank			.5		32.5	190
EQT059	28-93f - Process Liquor Tanks - No. 1 Intermediate Black Liquor Storage Tank			.5		32.5	220
EQT060	28-93g - Process Liquor Tanks - No. 2 Intermediate Black Liquor Storage Tank			.5		32.5	220

INVENTORIES

AI ID: 328 - International Paper Co - Mansfield Mill
Activity Number: PER20070001
Permit Number: 0760-00006-V8
Air - Title V Regular Permit Minor Mod

Stack Information:

ID		Velocity (ft/sec)	Flow Rate (cubic ft/min-actual)	Diameter (feet)	Discharge Area (square feet)	Height (feet)	Temperature (oF)
EQT061	28-93h - Process Liquor Tanks - Heavy Black Liquor Storage Tank			.5		24.5	208
EQT062	28-93k - Process Liquor Tanks - Soap Skimmer Tank (No. 2)			1		28	140
EQT063	28-93l - Process Liquor Tanks - Soap Collection Tank (No. 1)			.67		28	140
EQT064	28-93m - Process Liquor Tanks - Soap Collection Tank (No. 2)			.67		28	140
EQT065	28-93n - Process Liquor Tanks - Soap Storage Tank			.5		24.5	140
EQT066	28-93o - Boilout Tank			.5		28.67	223
EQT067	28-93p - No. 1 Spill Tank			.67		24.75	190
EQT068	28-93q - No. 2 Spill Tank			.67		24.75	190
EQT069	28-93r - #1 RB Black Liquor Dump Tank			.33		11	220
EQT070	28-93s - #2 RB Black Liquor Dump Tank			.33		11	220
EQT071	29-93a - Causticizing Area - No. 1 Green Liquor Clarifier						
EQT072	29-93b - Causticizing Area - No. 2 Green Liquor Clarifier						
EQT073	29-93c - Causticizing Area - No. 1 Green Liquor Storage Tank						
EQT074	29-93d - Causticizing Area - No. 2 Green Liquor Storage Tank						
EQT075	29-93j - Causticizing Area - No. 1 Weak Wash Tank						
EQT076	29-93k - Causticizing Area - No. 2 Weak Wash Tank						
EQT077	29-93l - Causticizing Area - No. 1 White Liquor Clarifier						
EQT078	29-93m - Causticizing Area - No. 2 White Liquor Clarifier						
EQT079	29-93n - Causticizing Area - No. 1 White Liquor Storage Tank						
EQT080	29-93o - Causticizing Area - No. 2 White Liquor Storage Tank						
EQT081	29-93p - Causticizing Area - No. 3 White Liquor Storage Tank						
EQT082	29-93q - Causticizing Area - Lime Mud Mix Tank						
EQT083	29-93t - Causticizing Area - Lime Mud Storage Tank						
EQT084	29-93v - Waste Clarifier			.67		18.5	65
EQT085	29-93w - Sodium Hydrosulfide Tank #1						
EQT086	29-93x - Sodium Hydrosulfide Tank #2						
EQT087	31-93i - Pulp Mill Tanks - Primary High Density Storage Chest A			2		137	150
EQT088	31-93j - Pulp Mill Tanks - Primary High Density Storage Chest B			2		137	150
EQT089	31-93k - Pulp Mill Tanks - Primary High Density Storage Chest C			2		137	150
EQT090	31-93l - Pulp Mill Tanks - Secondary High Density Storage Chest			2		137	150
EQT091	31-93m - Pulp Mill Tanks - Semichemical High Density Storage Chest			2		137	150
EQT092	31-93n - Pine Digester Dump Tank			.33		9.67	200
EQT093	31-93o - Hardwood Digester Dump Tank			.67		11.42	200
EQT094	31-93p - Semichemical Digester Dump Tank			1		8.73	200
EQT096	40-96 - Unleaded Gasoline Bulk Tank			.33		17	68
EQT098	43-96 - No. 6 Fuel Oil Storage Tank			.67		35.8	85
EQT099	44-96 - Fuel Oil Day Tank (No. 6)			.5		21	85
EQT100	56-98b - Crude Tall Oil - Soap Receiving Tank			.5		33.5	140
EQT101	56-98c - Crude Tall Oil - Soap Decanting Tank			.5		41.5	140
EQT102	56-98d - Crude Tall Oil - Soap Blend Tank			.5		41.5	140
EQT103	56-98e - Crude Tall Oil - Sulfuric Acid Storage Tank			.5		13.5	
EQT104	56-98g - Crude Tall Oil - Neutralized Brine Storage Tank			.5		25.5	180

INVENTORIES

AI ID: 328 - International Paper Co - Mansfield Mill
Activity Number: PER20070001
Permit Number: 0760-00006-V8
Air - Title V Regular Permit Minor Mod

Stack Information:

ID		Velocity (ft/sec)	Flow Rate (cubic ft/min-actual)	Diameter (feet)	Discharge Area (square feet)	Height (feet)	Temperature (oF)
EQT105	56-98h - Crude Tall Oil - Brine Feed Tank			.67		28	180
EQT106	56-98j - Crude Tall Oil - Heel Liquor Sample Tank			.33		7	140
EQT107	59-00a - Sulfuric Acid Supply Tank			.17		11.5	65
EQT108	59-00b - Demin Water Acid Mix Tank			.17		5	65
EQT109	59-00c - #3 PM Acid Supply Tank			.17		8.5	65
EQT110	59-00d - #3 PM Bulk Sulfuric Acid Tank						
EQT111	14-93 - Repulper #1						
EQT112	15-93 - Repulper #2						
EQT113	16-93 - Repulper #3						
EQT114	20-01n - No. 1 Paper Machine - Semichemical Fiber Sidehill Washing						
EQT115	20-01o - No. 1 Paper Machine - HW Refiner Low Density Chest						
EQT116	21-01p - No. 1 Paper Machine - Short Fiber Blend Chest						
EQT117	20-93a - No. 1 Paper Machine - Grouped Source					100	155
EQT118	20-93b - No. 1 Paper Machine - Save-all Vent No. 1				16	100	105
EQT119	20-93c - No. 1 Paper Machine - Save-all Mixing Chest						130
EQT120	20-93d - No. 1 Paper Machine - Save-all White Water Filtrate Chest						130
EQT121	20-93g - No. 1 Paper Machine - Broke Repulper				8	20	100
EQT122	20-93k - #1 PM Secondary Pine Low Density Chest						150
EQT123	20-93l - #1 PM Primary Pine Low Density Chest						170
EQT124	20-93m - #1 PM Hardwood Low Density Chest						150
EQT125	21-04k - No. 2 Paper Machine - No. 2 PM Stock Chest						130
EQT126	21-93a - No. 2 Paper Machine - Grouped Source					100	155
EQT127	21-93b - No. 2 Paper Machine - Save-all Vent No. 1				16	100	105
EQT128	21-93c - No. 2 Paper Machine - Save-all Mixed Stock Chest						130
EQT129	21-93d - No. 2 Paper Machine - Save-all White Water Filtrate Chest						130
EQT130	21-93f - No. 2 Paper Machine - Broke Repulper						100
EQT131	21-93i - #2 PM Pine Low Density Chest						170
EQT132	21-93j - #2 PM Semichemical Low Density Chest						
EQT133	22-01n - No. 3 Paper Machine - HW Fiber Low Density Chest/Standpipes						
EQT134	22-01o - No. 3 Paper Machine - Pine Fiber Low Density Chest/Standpipes						
EQT135	22-93a - No. 3 Paper Machine - Grouped Source					100	155
EQT136	22-93c - No. 3 Paper Machine - Save-all Vent			2		90	100
EQT137	22-93d - No. 3 Paper Machine - Save-all Stock Chest						120
EQT138	22-93g - No. 3 Paper Machine - AES Filters					30	120
EQT139	22-93k - No. 3 Paper Machine - Broke Repulper				8	20	120
EQT140	22-93m - #3 PM Virgin Fiber Low Density Chest						140
EQT141	27-93 - Process Chillers						
EQT142	29-93e - Causticizing Area - Dregs Filter						
EQT143	29-93f - Causticizing Area - No. 1 Causticizer						
EQT144	29-93g - Causticizing Area - No. 2 Causticizer						
EQT145	29-93h - Causticizing Area - No. 3 Causticizer						
EQT146	29-93i - Causticizing Area - No. 4 Causticizer						

INVENTORIES

AI ID: 328 - International Paper Co - Mansfield Mill
Activity Number: PER20070001
Permit Number: 0760-00006-V8
Air - Title V Regular Permit Minor Mod

Stack Information:

ID		Velocity (ft/sec)	Flow Rate (cubic ft/min-actual)	Diameter (feet)	Discharge Area (square feet)	Height (feet)	Temperature (oF)
EQT147	29-93r - Causticizing Area - No. 1 Lime Mud Washer						
EQT148	29-93s - Causticizing Area - No. 2 Lime Mud Washer						
EQT149	29-93u - Causticizing Area - Lime Mud Precoat Filter						
EQT150	30-93a - Black Liquor Filters - Secondary Black Liquor Filter			.67		60	190
EQT151	30-93b - Black Liquor Filters - Primary Black Liquor Filter			.67		60	190
EQT152	60-00 - Fiber Reclaims System						
EQT153	63-04 - Repulper #4						
EQT154	64-04 - Repulper #5						
EQT155	NCG-A - Primary Digester System						
EQT156	NCG-B - Secondary Digester System						
EQT157	NCG-C - Semichemical Digester System						
EQT158	NCG-D - No. 1 Evaporator						
EQT159	NCG-E - No. 2 Evaporator						
EQT160	NCG-H - No. 1 Concentrator/Intermediate Solids Concentrator						
EQT161	NCG-I - No. 2 Concentrator System						
EQT162	NCG-J - Condensate Stripper System						
EQT163	NCG-K - Turpentine Decanter						
EQT164	12A-78 - Diffusion Washer Vent A						
EQT165	12B-78 - Diffusion Washer Vent B						
EQT166	12C-78 - Diffusion Washer Vent C						
EQT167	12D-78 - Diffusion Washer Vent D						
EQT168	12E-78 - Diffusion Washer Vent E						
EQT169	NCG-L - Turpentine Storage						
EQT170	28-93i - Stripped Condensate Tank						
EQT171	31-93a - Primary Filtrate Tank Vent - Washer A (Vent A)						
EQT172	31-93b - Primary Filtrate Tank Vent - Washer A (Vent B)						
EQT173	31-93c - Primary Filtrate Tank Vent - Washer B (Vent A)						
EQT174	31-93d - Primary Filtrate Tank Vent - Washer B (Vent B)						
EQT175	31-93e - Secondary Filtrate Tank Vent - (Vent A)						
EQT176	31-93f - Secondary Filtrate Tank Vent - (Vent B)						
EQT177	31-93g - Semi-chemical Filtrate Tank Vent - (Vent A)						
EQT178	31-93h - Semi-chemical Filtrate Tank Vent - (Vent B)						
EQT179	TO-A - Crude Tall Oil-Brine Receiver Tank						
EQT180	TO-B - Crude Tall Oil-Cleaner Accepts Tank						
EQT181	TO-C - Crude Tall Oil-Wet CTO Tank						
EQT182	TO-D - Crude Tall Oil-Dry CTO Tank						
EQT183	22-93e - No. 3 Paper Machine - B/S Excess White Water Tank						120
EQT184	32-93 - Cationic Starch Silo	65	1370		.35	.8	75
EQT185	NCG-M -High Solids Concentrator System						
EQT186	65-05 - Clarke Fire-Water Pump	8.81	1506	3.38			855
EQT187	66-05 - Lime Kiln Auxiliary Engine	128.68	660	.33		30	300

INVENTORIES

AI ID: 328 - International Paper Co - Mansfield Mill
Activity Number: PER20070001
Permit Number: 0760-00006-V8
Air - Title V Regular Permit Minor Mod

Fee Information:

Subj Item Id	Multiplier	Units Of Measure	Fee Desc
AI328	119.1	$100,000	1510 - Co-Generation (Capital Cost)
	1310	Ton/Day	0350 - Paperboard Mill (Rated Capacity)
			1D14 - Level or density gauges
			1670 - Storage Tank
GRP007	5900	Ton/Day	0330 - Pulp Mill (Rated Capacity)

EMISSION RATES FOR CRITERIA POLLUTANTS

AI ID: 328 - International Paper Co - Mansfield Mill
Activity Number: PER20070001
Permit Number: 0760-00006-V8
Air - Title V Regular Permit Minor Mod

All phases

	PM_{10}			SO_2			NOx			CO			VOC		
Subject Item	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
ARE 005 25-93													1.7	2.1	7.6
EQT 005 01-78	76.0	76.0	332.9	774.0	774.0	3390.1	486.1	486.1	2129.0	672.9	1600.0	2947.6	100.0	100.0	438.0
EQT 006 03-78	26.1	26.1	114.3	0.68	1.2	3.0	99.9	103.7	437.4	2.0	2.0	8.8	8.0	12.1	35.2
EQT 007 13-93	3.6	5.5	15.6	< 0.001	< 0.001	< 0.01	51.8	54.5	227.0	2.2	2.2	9.8	0.48	0.88	2.1
EQT 008 56-98f													3.9	7.9	17.3
EQT 009 42-96	6.0	6.0	1.6										0.27	0.41	1.2
EQT 010 57-99	0.09	0.15	0.39	6.4	8.3	28.2	3.0	5.0	13.1	4.0	6.7	17.5	1.2	1.8	5.3
EQT 012 33-93	1.8	1.8	0.78												
EQT 013 24-93													150.80	150.80	660.40
EQT 014 08-78	1.2	2.1	5.3										2.5	3.8	11.1
EQT 015 06-78	14.2	14.2	62.2	1.3	1.3	5.6	2.7	2.8	11.6				57.9	57.9	254.0
EQT 016 45-96													0.01	0.01	0.06
EQT 017 28-93j													0.02	0.02	0.1
EQT 018 36-96	1.7	1.7	1.5	1.6	1.6	1.4	38.6	38.6	34.8	5.4	5.4	4.9	1.9	1.9	1.7
EQT 019 53-96													0.01	0.01	0.06
EQT 021 34-93	0.15	0.15	0.05												
EQT 022 61-01	1.8	1.8	0.52												
EQT 023 56-98a													0.11	0.23	0.50

EMISSION RATES FOR CRITERIA POLLUTANTS

AI ID: 328 - International Paper Co - Mansfield Mill
Activity Number: PER20070001
Permit Number: 0760-00006-V8
Air - Title V Regular Permit Minor Mod

All phases

	PM_{10}			SO_2			NOx			CO			VOC		
Subject Item	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 024 56-98i													0.03	0.06	0.14
EQT 025 09-78	0.05	0.05	0.21	48.7	48.7	213.3	1.6	1.6	7.0	0.13	0.13	0.57	0.61	5.8	2.7
EQT 026 38-96	2.4	2.4	1.7	2.2	2.2	1.6	34.0	34.0	23.8	10.6	10.6	7.4	2.7	2.7	1.9
EQT 027 39-96	2.4	2.4	1.7	2.2	2.2	1.6	34.0	34.0	23.8	10.6	10.6	7.4	2.7	2.7	1.9
EQT 028 46-96	0.58	0.57	0.40	0.54	0.54	0.38	8.2	8.2	5.7	1.8	1.8	1.2	0.65	0.65	0.45
EQT 029 47-96	0.57	0.57	0.40	0.54	0.54	0.38	8.2	8.2	5.7	1.8	1.8	1.2	0.65	0.65	0.45
EQT 030 48-96	0.67	0.67	0.8	0.63	0.63	0.79	9.6	9.6	12.0	2.1	2.1	2.6	0.76	0.76	0.90
EQT 031 49-96	0.90	0.90	0.6	0.84	0.84	0.59	12.7	12.7	8.9	2.7	2.7	1.9	1.0	1.0	0.70
EQT 032 50-96	1.3	1.3	0.89	1.2	1.2	0.80	18.1	18.1	12.7	3.9	3.9	2.7	1.4	1.4	1.0
EQT 033 51-96	0.33	0.33	0.20	0.31	0.31	0.20	4.7	4.7	3.3	1.0	1.0	0.70	0.37	0.37	0.26
EQT 034 52-96	0.28	0.28	0.20	0.26	0.26	0.18	4.0	4.0	2.8	0.86	0.86	0.60	0.32	0.32	0.20
EQT 035 02-78	76.0	76.0	332.9	774.0	774.0	3390.1	486.1	486.1	2129.0	672.9	1600.0	2947.6	100.0	100.0	438.0
EQT 036 04-78	45.2	100.5	198.0	207.3	217.6	907.9	128.5	135.0	563.0	377.6	396.5	1653.9	30.5	32.1	133.7
EQT 037 05-78	45.2	100.5	198.0	207.3	217.6	907.9	128.5	135.0	563.0	377.6	396.5	1653.9	30.5	32.1	133.7
EQT 038 07-78	14.2	14.2	62.2	1.3	1.3	5.6	2.7	2.8	11.6				57.9	57.9	254.0
EQT 039 20-93e														0.72	
EQT 040 20-93f														0.72	
EQT 041 20-93h														0.44	

EMISSION RATES FOR CRITERIA POLLUTANTS

AI ID: 328 - International Paper Co - Mansfield Mill
Activity Number: PER20070001
Permit Number: 0760-00006-V8
Air - Title V Regular Permit Minor Mod

All phases

	PM_{10}			SO_2			NOx			CO			VOC		
Subject Item	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 042 20-93i														0.44	
EQT 043 20-93j														0.72	
EQT 044 21-93e														0.43	
EQT 045 21-93g														0.4	
EQT 046 21-93h														0.43	
EQT 047 22-01p														1.2	
EQT 048 22-93b														2.0	
EQT 049 22-93f														0.8	
EQT 050 22-93h														1.2	
EQT 051 22-93i														1.5	
EQT 052 22-93j														0.65	
EQT 053 22-93l														1.6	
EQT 054 28-93a													0.91	0.91	4.0
EQT 055 28-93b													0.91	0.91	4.0
EQT 056 28-93c													3.4	3.4	15.1
EQT 057 28-93d													1.6	1.6	7.2
EQT 058 28-93e													3.4	3.4	15.1
EQT 059 28-93f													0.22	0.22	0.9

EMISSION RATES FOR CRITERIA POLLUTANTS

AI ID: 328 - International Paper Co - Mansfield Mill
Activity Number: PER20070001
Permit Number: 0760-00006-V8
Air - Title V Regular Permit Minor Mod

All phases

	PM_{10}			SO_2			NOx			CO			VOC		
Subject Item	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 060 28-93g													0.22	0.22	0.9
EQT 061 28-93h													0.35	0.35	1.5
EQT 062 28-93k													0.02	0.02	0.1
EQT 063 28-93l													0.02	0.02	0.1
EQT 064 28-93m													0.02	0.02	0.1
EQT 065 28-93n													0.04	0.04	0.19
EQT 066 28-93o													0.05	0.05	0.20
EQT 067 28-93p													0.05	0.05	0.20
EQT 068 28-93q													0.05	0.05	0.20
EQT 069 28-93r													0.05	0.05	0.20
EQT 070 28-93s													0.05	0.05	0.20
EQT 071 29-93a													1.4	2.1	6.0
EQT 072 29-93b													1.4	2.1	6.0
EQT 073 29-93c													0.02	0.04	0.1
EQT 074 29-93d													0.02	0.04	0.1
EQT 075 29-93j													0.18	0.27	0.79
EQT 076 29-93k													0.18	0.27	0.79
EQT 077 29-93l													0.18	0.27	0.79

EMISSION RATES FOR CRITERIA POLLUTANTS

AI ID: 328 - International Paper Co - Mansfield Mill
Activity Number: PER20070001
Permit Number: 0760-00006-V8
Air - Title V Regular Permit Minor Mod

All phases

	PM_{10}			SO_2			NOx			CO			VOC		
Subject Item	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 078 29-93m													0.18	0.27	0.79
EQT 079 29-93n													0.12	0.18	0.5
EQT 080 29-93o													0.12	0.18	0.53
EQT 081 29-93p													0.12	0.18	0.53
EQT 082 29-93q													0.04	0.07	0.19
EQT 083 29-93t													2.1	3.1	9.1
EQT 084 29-93v													0.18	0.27	0.79
EQT 087 31-93i													14.1	14.1	61.8
EQT 088 31-93j													14.1	14.1	61.8
EQT 089 31-93k													14.1	14.1	61.8
EQT 090 31-93l													6.5	6.5	28.7
EQT 091 31-93m													12.1	12.1	52.9
EQT 092 31-93n													1.2	1.2	5.3
EQT 093 31-93o													1.2	1.2	5.3
EQT 094 31-93p													1.2	1.2	5.3
EQT 096 40-96													0.87	0.87	3.8
EQT 098 43-96													0.002	0.002	0.01
EQT 099 44-96													< 0.001	< 0.001	< 0.01

TPOR0145

EMISSION RATES FOR CRITERIA POLLUTANTS

AI ID: 328 - International Paper Co - Mansfield Mill
Activity Number: PER20070001
Permit Number: 0760-00006-V8
Air - Title V Regular Permit Minor Mod

All phases

	PM_{10}			SO_2			NOx			CO			VOC		
Subject Item	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 100 56-98b													0.11	0.23	0.5
EQT 101 56-98c													0.11	0.23	0.5
EQT 102 56-98d													0.11	0.23	0.5
EQT 104 56-98g													0.001	0.002	< 0.01
EQT 105 56-98h													0.001	0.002	< 0.01
EQT 111 14-93														7.0	30.6
EQT 112 15-93														10.3	45.2
EQT 113 16-93														10.3	45.2
EQT 114 20-01n														0.14	
EQT 115 20-01o														1.2	
EQT 116 20-01p														1.2	
EQT 117 20-93a														259.7	982.0
EQT 118 20-93b														10.8	40.9
EQT 119 20-93c														0.86	
EQT 120 20-93d														1.4	
EQT 121 20-93g														1.2	
EQT 122 20-93k														1.2	
EQT 123 20-93l														1.2	

EMISSION RATES FOR CRITERIA POLLUTANTS

AI ID: 328 - International Paper Co - Mansfield Mill
Activity Number: PER20070001
Permit Number: 0760-00006-V8
Air - Title V Regular Permit Minor Mod

All phases

	PM_{10}			SO_2			NOx			CO			VOC		
Subject Item	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 124 20-93m														1.2	
EQT 125 21-04k														0.25	
EQT 126 21-93a														191.8	726.0
EQT 127 21-93b														8.0	30.2
EQT 128 21-93c														0.47	
EQT 129 21-93d														1.1	
EQT 130 21-93f														0.79	
EQT 131 21-93i														1.2	
EQT 132 21-93j														1.2	
EQT 133 22-01n														1.2	
EQT 134 22-01o														1.2	
EQT 135 22-93a														185.0	811.0
EQT 136 22-93c														7.7	33.8
EQT 137 22-93d														0.73	
EQT 138 22-93g														0.14	
EQT 139 22-93k														2.3	
EQT 140 22-93m														1.2	
EQT 142 29-93e													2.8	4.1	12.1

EMISSION RATES FOR CRITERIA POLLUTANTS

AI ID: 328 - International Paper Co - Mansfield Mill
Activity Number: PER20070001
Permit Number: 0760-00006-V8
Air - Title V Regular Permit Minor Mod

All phases

	PM_{10}			SO_2			NOx			CO			VOC		
Subject Item	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 143 29-93f													0.03	0.05	0.1
EQT 144 29-93g													0.03	0.05	0.1
EQT 145 29-93h													0.03	0.05	0.1
EQT 146 29-93i													0.03	0.05	0.15
EQT 147 29-93r													1.0	1.6	4.5
EQT 148 29-93s													1.0	1.6	4.5
EQT 149 29-93u													1.5	2.2	6.4
EQT 150 30-93a													5.7	5.7	24.8
EQT 151 30-93b													2.6	2.6	11.6
EQT 152 60-00													0.27	1.2	1.2
EQT 153 63-04														10.3	
EQT 154 64-04														10.3	
EQT 183 22-93e														1.7	
EQT 184 32-93	1.8	1.8	0.5												
EQT 186 65-05	0.04	0.04	0.03	0.09	0.09	0.06	3.50	3.50	2.40	0.15	0.15	0.11	0.05	0.05	0.03
EQT 187 66-05	0.02	0.02	0.01	0.23	0.23	0.16	1.10	1.10	0.77	0.13	0.13	0.09	0.09	0.09	0.06
FUG 001 17-93	0.12	0.12	0.53												
FUG 002 18-93	0.45	0.45	2.0												

EMISSION RATES FOR CRITERIA POLLUTANTS

AI ID: 328 - International Paper Co - Mansfield Mill
Activity Number: PER20070001
Permit Number: 0760-00006-V8
Air - Title V Regular Permit Minor Mod

All phases

	PM_{10}			SO_2			NOx			CO			VOC		
Subject Item	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
FUG 003 19-93	0.01	0.01	0.04												
FUG 004 23-93													47.4	47.4	207.7
FUG 005 26-93	12.7	12.7	55.6												
FUG 006 54-96													0.59	0.59	2.6
GRP 002													486.2		2129.7
GRP 008		**64.5**			**774**			**451.5**			**130.0**			**100**	
GRP 009		**64.5**			**516.0**			**193.5**			**23.2**			**100**	
GRP 010		**76.0**												**100**	

Note: Emission rates in bold are from alternate scenarios and are not included in permitted totals

Permit Phase Totals:

PM10: 1392.05 tons/yr
SO2: 8859.84 tons/yr
NOx: 6228.37 tons/yr
CO: 9270.47 tons/yr
VOC: 5175.66 tons/yr

Emission rates Notes:

EQT 111	VOC	Tons/Year	. This is a BACT requirement.	Which Months: All Year
EQT 112	VOC	Tons/Year	. This is a BACT requirement.	Which Months: All Year
EQT 113	VOC	Tons/Year	. This is a BACT requirement.	Which Months: All Year
EQT 117	VOC	Tons/Year	. This is a BACT requirement.	Which Months: All Year
EQT 118	VOC	Tons/Year	. This is a BACT requirement.	Which Months: All Year
EQT 126	VOC	Tons/Year	. This is a BACT requirement.	Which Months: All Year
EQT 127	VOC	Tons/Year	. This is a BACT requirement.	Which Months: All Year

EMISSION RATES FOR CRITERIA POLLUTANTS

AI ID: 328 - International Paper Co - Mansfield Mill
Activity Number: PER20070001
Permit Number: 0760-00006-V8
Air - Title V Regular Permit Minor Mod

All phases

EQT 135	VOC	Tons/Year	. This is a BACT requirement.	Which Months: All Year
EQT 136	VOC	Tons/Year	. This is a BACT requirement.	Which Months: All Year

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 328 - International Paper Co - Mansfield Mill
Activity Number: PER20070001
Permit Number: 0760-00006-V8
Air - Title V Regular Permit Minor Mod

All phases

	1,1,1-Trichloroethane			1,1,2-Trichloroethane			1,2,4-Trichlorobenzene			1,2-Dichloropropane			1,3-Butadiene		
Subject Item	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
ARE 005 25-93															
EQT 005 01-78	0.07	0.07	0.29												
EQT 006 03-78															
EQT 007 13-93															
EQT 008 56-98f				0.01	0.01	0.03	< 0.001	< 0.001	< 0.01						
EQT 009 42-96															
EQT 010 57-99															
EQT 013 24-93															
EQT 014 08-78															
EQT 015 06-78	< 0.001	< 0.001	< 0.01												
EQT 016 45-96															
EQT 017 28-93j				< 0.001	< 0.001	< 0.01	< 0.001	< 0.001	< 0.01						
EQT 018 36-96													< 0.001	< 0.001	< 0.01
EQT 019 53-96															
EQT 023 56-98a				< 0.001	0.001	< 0.01	< 0.001	< 0.001	< 0.01						
EQT 024 56-98i				< 0.001	< 0.001	< 0.01	< 0.001	< 0.001	< 0.01						
EQT 025 09-78															
EQT 026 38-96													< 0.001	< 0.001	< 0.01

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 328 - International Paper Co - Mansfield Mill
Activity Number: PER20070001
Permit Number: 0760-00006-V8
Air - Title V Regular Permit Minor Mod

All phases

	2,2,4-Trimethylpentane			2,3,7,8-Tetrachlorodibenzo-p-Dioxin			Acetaldehyde			Acetophenone			Acrolein		
Subject Item	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
ARE 005 25-93							0.02	0.02	0.08				0.001	0.001	< 0.01
EQT 005 01-78				< 0.001	< 0.001	< 0.001	0.48	0.48	2.1	0.01	0.01	0.05	0.06	0.06	0.26
EQT 006 03-78							0.94	1.4	4.1				0.04	0.06	0.18
EQT 007 13-93															
EQT 008 56-98f							0.02	0.03	0.07				0.001	0.001	< 0.01
EQT 009 42-96							0.01	0.01	0.04				< 0.001	< 0.001	< 0.01
EQT 010 57-99							0.01	0.01	0.03				< 0.001	< 0.001	< 0.01
EQT 013 24-93							0.14	0.14	0.62				0.01	0.01	0.03
EQT 014 08-78							1.1	1.6	4.6				0.002	0.003	0.01
EQT 015 06-78							0.02	0.02	0.1						
EQT 016 45-96	< 0.001	< 0.001	< 0.01												
EQT 017 28-93j								< 0.001	< 0.01				< 0.001	< 0.001	< 0.01
EQT 018 36-96							0.004	0.004	< 0.01				0.001	0.001	< 0.01
EQT 019 53-96															
EQT 023 56-98a							0.002	0.003	0.01				< 0.001	< 0.001	< 0.01
EQT 024 56-98i							< 0.001	0.001	< 0.01				< 0.001	< 0.001	< 0.01
EQT 025 09-78							0.02	0.21	0.10						
EQT 026 38-96							0.01	0.01	< 0.01				0.001	0.001	< 0.01

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 328 - International Paper Co - Mansfield Mill
Activity Number: PER20070001
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Air - Title V Regular Permit Minor Mod

All phases

	Ammonia			Antimony (and compounds)			Arsenic (and compounds)			Barium (and compounds)			Benzene		
Subject Item	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
ARE 005 25-93	0.04	0.05	0.17										< 0.001	< 0.001	< 0.01
EQT 005 01-78	2.3	2.3	9.9	0.02	0.02	0.10	0.01	0.01	0.05	5.2	5.2	22.6	0.33	0.33	1.4
EQT 006 03-78				< 0.001	< 0.001	< 0.01	0.001	0.001	< 0.01	0.01	0.02	0.05	0.06	0.10	0.28
EQT 007 13-93													0.004	0.004	0.02
EQT 008 56-98f													0.001	0.002	< 0.01
EQT 009 42-96													< 0.001	< 0.001	< 0.01
EQT 010 57-99													< 0.001	< 0.001	< 0.01
EQT 013 24-93													0.01	0.01	0.04
EQT 014 08-78	5.6	8.4	24.5										0.003	0.004	0.01
EQT 015 06-78	9.6	10.1	42.2	< 0.001	< 0.001	< 0.01	< 0.001	< 0.001	< 0.01				< 0.001	< 0.001	< 0.01
EQT 016 45-96													0.004	0.004	0.02
EQT 017 28-93j													< 0.001	< 0.001	< 0.01
EQT 018 36-96													0.01	0.01	< 0.01
EQT 019 53-96															
EQT 023 56-98a													< 0.001	< 0.001	< 0.01
EQT 024 56-98i													< 0.001	< 0.001	< 0.01
EQT 025 09-78													0.01	0.07	0.03
EQT 026 38-96													0.01	0.01	0.01

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 328 - International Paper Co - Mansfield Mill
Activity Number: PER20070001
Permit Number: 0760-00006-V8
Air - Title V Regular Permit Minor Mod

All phases

	Beryllium (Table 51.1)			Biphenyl			Cadmium (and compounds)			Carbon disulfide			Chlorinated Dibenzo-P-Dioxins		
Subject Item	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
ARE 005 25-93															
EQT 005 01-78	0.07	0.07	0.31				0.01	0.01	0.02	0.10	0.10	0.43	< 0.001	< 0.001	< 0.001
EQT 006 03-78	< 0.001	< 0.001	< 0.01				< 0.001	< 0.001	< 0.01				< 0.001	< 0.001	< 0.001
EQT 007 13-93															
EQT 008 56-98f															
EQT 009 42-96															
EQT 010 57-99															
EQT 013 24-93										0.04	0.04	0.17			
EQT 014 08-78															
EQT 015 06-78	< 0.001	< 0.001	< 0.01				< 0.001	< 0.001	< 0.01	< 0.001	< 0.001	< 0.01			
EQT 016 45-96				< 0.001	< 0.001	< 0.01									
EQT 017 28-93j															
EQT 018 36-96															
EQT 019 53-96															
EQT 023 56-98a															
EQT 024 56-98i															
EQT 025 09-78															
EQT 026 38-96															

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 328 - International Paper Co - Mansfield Mill
Activity Number: PER20070001
Permit Number: 0760-00006-V8
Air - Title V Regular Permit Minor Mod

All phases

	Chlorinated dibenzofurans			Chlorine			Chlorobenzene			Chloroform			Chromium VI (and compounds)		
Subject Item	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
ARE 005 25-93															
EQT 005 01-78	< 0.001	< 0.001	< 0.001	0.06	0.06	0.28	< 0.001	< 0.001	< 0.01	0.01	0.01	0.06	0.004	0.004	0.02
EQT 006 03-78	< 0.001	< 0.001	< 0.001										< 0.001	0.001	< 0.01
EQT 007 13-93															
EQT 008 56-98f															
EQT 009 42-96															
EQT 010 57-99															
EQT 013 24-93										0.05	0.05	0.23			
EQT 014 08-78															
EQT 015 06-78													< 0.001	< 0.001	< 0.01
EQT 016 45-96															
EQT 017 28-93j															
EQT 018 36-96															
EQT 019 53-96															
EQT 023 56-98a															
EQT 024 56-98i															
EQT 025 09-78															
EQT 026 38-96															

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 328 - International Paper Co - Mansfield Mill
Activity Number: PER20070001
Permit Number: 0760-00006-V8
Air - Title V Regular Permit Minor Mod

All phases

	Cobalt compounds			Copper (and compounds)			Cresol			Cumene			Dichloromethane		
Subject Item	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
ARE 005 25-93															
EQT 005 01-78	0.14	0.14	0.63	0.31	0.31	1.3				0.01	0.01	0.03	20.5	20.5	89.9
EQT 006 03-78	< 0.001	< 0.001	< 0.01	0.002	0.003	0.01									
EQT 007 13-93															
EQT 008 56-98f															
EQT 009 42-96															
EQT 010 57-99															
EQT 013 24-93										0.94	0.94	4.10			
EQT 014 08-78															
EQT 015 06-78	< 0.001	< 0.001	< 0.01	0.001	0.001	< 0.01				< 0.001	< 0.001	< 0.01	< 0.001	< 0.001	< 0.01
EQT 016 45-96							< 0.001	< 0.001	< 0.01	< 0.001	< 0.001	< 0.01			
EQT 017 28-93j															
EQT 018 36-96															
EQT 019 53-96															
EQT 023 56-98a															
EQT 024 56-98i															
EQT 025 09-78										0.001	0.01	< 0.01			
EQT 026 38-96															

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 328 - International Paper Co - Mansfield Mill
Activity Number: PER20070001
Permit Number: 0760-00006-V8
Air - Title V Regular Permit Minor Mod

All phases

	Ethyl benzene			Ethylene oxide			Formaldehyde			Glycol ethers (Table 51.1)			Hydrochloric acid		
Subject Item	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
ARE 005 25-93				< 0.001	< 0.001	< 0.01	0.01	0.01	0.03						
EQT 005 01-78	0.01	0.01	0.02				0.64	0.64	2.8				31.4	31.4	137.4
EQT 006 03-78							0.11	0.16	0.46				1.1	1.1	4.8
EQT 007 13-93							0.28	0.28	1.2						
EQT 008 56-98f															
EQT 009 42-96							0.002	0.003	0.01						
EQT 010 57-99							< 0.001	< 0.001	< 0.01						
EQT 013 24-93															
EQT 014 08-78							0.05	0.07	0.21						
EQT 015 06-78	< 0.001	< 0.001	< 0.01				0.28	0.30	1.2						
EQT 016 45-96	< 0.001	< 0.001	< 0.01												
EQT 017 28-93j															
EQT 018 36-96							0.01	0.01	0.01						
EQT 019 53-96															
EQT 023 56-98a															
EQT 024 56-98i															
EQT 025 09-78	< 0.001	0.004	< 0.01				0.03	0.28	0.13						
EQT 026 38-96							0.01	0.01	0.01						

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 328 - International Paper Co - Mansfield Mill
Activity Number: PER20070001
Permit Number: 0760-00006-V8
Air - Title V Regular Permit Minor Mod

All phases

	Hydrofluoric acid			Hydrogen sulfide			Hydroquinone			Lead compounds			Manganese (and compounds)		
Subject Item	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
ARE 005 25-93				0.33	0.39	1.4									
EQT 005 01-78	3.9	3.9	17.0							0.04	0.04	0.19	4.2	4.2	18.4
EQT 006 03-78				0.53	0.80	2.3				0.004	0.01	0.02	0.01	0.01	0.03
EQT 007 13-93															
EQT 008 56-98f				0.21	0.42	0.92									
EQT 009 42-96				0.01	0.02	0.06									
EQT 010 57-99				0.04	0.04	0.16									
EQT 013 24-93				6.20	6.20	27.40									
EQT 014 08-78															
EQT 015 06-78				1.2	1.2	5.1				< 0.001	< 0.001	< 0.01	0.001	0.001	< 0.01
EQT 016 45-96															
EQT 017 28-93j				0.003	0.003	0.01									
EQT 018 36-96															
EQT 019 53-96							0.01	0.01	0.05						
EQT 023 56-98a				0.01	0.03	0.06									
EQT 024 56-98i				0.004	0.01	0.02									
EQT 025 09-78				0.01	0.08	0.04									
EQT 026 38-96															

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 328 - International Paper Co - Mansfield Mill
Activity Number: PER20070001
Permit Number: 0760-00006-V8
Air - Title V Regular Permit Minor Mod

All phases

	Mercury (and compounds)			Methanol			Methyl chloride			Methyl ethyl ketone			Methyl isobutyl ketone		
Subject Item	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
ARE 005 25-93				1.1	1.3	4.7				0.01	0.02	0.06	< 0.001	< 0.001	< 0.01
EQT 005 01-78	0.02	0.02	0.08	0.65	0.65	2.9	0.02	0.02	0.08	0.33	0.33	1.5	0.02	0.02	0.08
EQT 006 03-78	< 0.001	< 0.001	< 0.01	6.0	9.0	26.3				0.08	0.11	0.33	0.02	0.03	0.09
EQT 007 13-93															
EQT 008 56-98f				0.56	1.1	2.5				0.01	0.01	0.03	0.001	0.002	< 0.01
EQT 009 42-96				0.17	0.25	0.72				0.001	0.001	< 0.01	< 0.001	< 0.001	< 0.01
EQT 010 57-99				0.34	0.50	1.5				0.01	0.01	0.04	< 0.001	< 0.001	< 0.01
EQT 013 24-93				128.00	128.00	560.40				0.19	0.19	0.83	0.01	0.01	0.02
EQT 014 08-78				1.1	1.6	4.6				0.02	0.04	0.11	0.001	0.002	0.01
EQT 015 06-78				58.5	61.4	256.2	0.01	0.01	0.04	< 0.001	< 0.001	< 0.01	< 0.001	< 0.001	< 0.01
EQT 016 45-96															
EQT 017 28-93j				0.001	0.001	0.01				< 0.001	< 0.001	< 0.01	< 0.001	< 0.001	< 0.01
EQT 018 36-96															
EQT 019 53-96															
EQT 023 56-98a				0.01	0.01	0.03				0.001	0.001	< 0.01	< 0.001	< 0.001	< 0.01
EQT 024 56-98i				0.002	0.004	0.01				0.001	0.001	< 0.01	< 0.001	< 0.001	< 0.01
EQT 025 09-78				0.08	0.81	0.37				0.003	0.02	0.01			
EQT 026 38-96															

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 328 - International Paper Co - Mansfield Mill
Activity Number: PER20070001
Permit Number: 0760-00006-V8
Air - Title V Regular Permit Minor Mod

All phases

	Naphthalene			Naphthalene (and Methyl napht alenes)			Nickel (and compounds)			Phenol			Polycyclic Organic Matter (PO M)		
Subject Item	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
ARE 005 25-93															
EQT 005 01-78				6.2	6.2	27.3	0.37	0.37	1.6	0.12	0.12	0.54	6.3	6.3	27.4
EQT 006 03-78				0.001	0.001	< 0.01	0.002	0.003	0.01				0.003	0.003	0.01
EQT 007 13-93				< 0.001	< 0.001	< 0.01							< 0.001	< 0.001	< 0.01
EQT 008 56-98f															
EQT 009 42-96															
EQT 010 57-99				< 0.001	< 0.001	< 0.01							< 0.001	< 0.001	< 0.01
EQT 013 24-93															
EQT 014 08-78															
EQT 015 06-78				0.04	0.04	0.18	< 0.001	< 0.001	< 0.01				0.08	0.08	0.33
EQT 016 45-96				< 0.001	< 0.001	< 0.01				< 0.001	< 0.001	< 0.01			
EQT 017 28-93j															
EQT 018 36-96				< 0.001	< 0.001	< 0.01							0.001	0.001	< 0.01
EQT 019 53-96															
EQT 023 56-98a															
EQT 024 56-98i															
EQT 025 09-78				< 0.001	< 0.001	< 0.01							< 0.001	< 0.001	< 0.01
EQT 026 38-96				0.001	0.001	< 0.01							0.001	0.001	< 0.01

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 328 - International Paper Co - Mansfield Mill
Activity Number: PER20070001
Permit Number: 0760-00006-V8
Air - Title V Regular Permit Minor Mod

All phases

	Polynuclear Aromatic Hydrocar bons			Propionaldehyde			Selenium (and compounds)			Styrene			Sulfuric acid		
Subject Item	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
ARE 005 25-93				0.002	0.003	0.01				0.001	0.001	< 0.01			
EQT 005 01-78	0.06	0.06	0.25	0.02	0.02	0.10	0.03		0.15	0.01	0.01	0.05	13.3	13.3	58.1
EQT 006 03-78	0.002	0.002	0.01				0.002		0.01	0.03	0.05	0.14			
EQT 007 13-93	< 0.001	< 0.001	< 0.01												
EQT 008 56-98f										< 0.005	0.01	0.02			
EQT 009 42-96										< 0.001	< 0.001	< 0.01			
EQT 010 57-99	< 0.001	< 0.001	< 0.01	< 0.001	< 0.001	< 0.01				< 0.001	< 0.001	< 0.01			
EQT 013 24-93				0.01	0.01	0.04				0.06	0.06	0.27			
EQT 014 08-78										0.02	0.03	0.10			
EQT 015 06-78	0.04	0.04	0.16				< 0.001		< 0.01	0.01	0.01	0.04			
EQT 016 45-96										< 0.001	< 0.001	< 0.01			
EQT 017 28-93j										< 0.001	< 0.001	< 0.01			
EQT 018 36-96	< 0.001	< 0.001	< 0.01												
EQT 019 53-96															
EQT 023 56-98a										< 0.001	< 0.001	< 0.01			
EQT 024 56-98i										< 0.001	< 0.001	< 0.01			
EQT 025 09-78	< 0.001	< 0.001	< 0.01							0.001	0.01	< 0.01			
EQT 026 38-96	0.001	0.001	< 0.01												

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 328 - International Paper Co - Mansfield Mill
Activity Number: PER20070001
Permit Number: 0760-00006-V8
Air - Title V Regular Permit Minor Mod

All phases

	Tetrachloroethylene			Toluene			Total reduced sulfur			Trichloroethylene			Triethyl amine		
Subject Item	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
ARE 005 25-93				0.001	0.001	< 0.01	0.50	0.60	2.2						
EQT 005 01-78	0.04	0.04	0.17	0.35	0.35	1.5	0.22	0.22	0.98	0.01	0.01	0.06			
EQT 006 03-78				0.22	0.33	0.96	3.4	3.4	14.9						
EQT 007 13-93															
EQT 008 56-98f	0.01	0.01	0.02	0.01	0.01	0.03	1.3	2.6	5.7	0.001	0.001	< 0.01			
EQT 009 42-96				0.001	0.001	< 0.01	0.03	0.04	0.12						
EQT 010 57-99				< 0.001	< 0.001	< 0.01	0.17	0.22	0.75						
EQT 013 24-93				0.06	0.06	0.27	10.30	10.30	45.20						
EQT 014 08-78				0.01	0.01	0.03	0.09	0.14	0.40						
EQT 015 06-78	< 0.001	< 0.001	< 0.01	< 0.001	< 0.001	< 0.01	1.3	1.6	5.2	0.001	0.001	0.01			
EQT 016 45-96				0.001	0.001	0.01									
EQT 017 28-93j				< 0.001	< 0.001	< 0.01	0.003	0.003	0.01						
EQT 018 36-96				0.002	0.002	< 0.01									
EQT 019 53-96															
EQT 023 56-98a				< 0.001	< 0.001	< 0.01	0.01	0.03	0.06						
EQT 024 56-98i				< 0.001	< 0.001	< 0.01	0.005	0.01	0.02						
EQT 025 09-78				0.001	0.01	< 0.01	0.18	0.18	0.79						
EQT 026 38-96				0.003	0.003	< 0.01									

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 328 - International Paper Co - Mansfield Mill
Activity Number: PER20070001
Permit Number: 0760-00006-V8
Air - Title V Regular Permit Minor Mod

All phases

	Xylene (mixed isomers)			Zinc (and compounds)			n-Hexane		
Subject Item	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
ARE 005 25-93	0.001	0.001	< 0.01				< 0.001	< 0.001	< 0.01
EQT 005 01-78	0.005	0.005	0.02	3.4	3.4	15.0	0.21	0.21	0.93
EQT 006 03-78	0.16	0.23	0.68	0.002	0.003	0.01	< 0.001	0.001	< 0.01
EQT 007 13-93									
EQT 008 56-98f	0.01	0.02	0.04				0.06	0.12	0.26
EQT 009 42-96	< 0.001	< 0.001	< 0.01				< 0.001	< 0.001	< 0.01
EQT 010 57-99	< 0.001	< 0.001	< 0.01				< 0.001	< 0.001	< 0.01
EQT 013 24-93	0.19	0.19	0.83						
EQT 014 08-78	0.003	0.004	0.01						
EQT 015 06-78	< 0.001	< 0.001	< 0.01	0.01	0.01	0.04	< 0.001	< 0.001	< 0.01
EQT 016 45-96	0.001	0.001	< 0.01				0.01	0.01	0.03
EQT 017 28-93j	< 0.001	< 0.001	< 0.01				< 0.001	< 0.001	< 0.01
EQT 018 36-96	0.002	0.002	< 0.01						
EQT 019 53-96									
EQT 023 56-98a	< 0.001	< 0.001	< 0.01				< 0.001	< 0.001	< 0.01
EQT 024 56-98i	< 0.001	< 0.001	< 0.01				< 0.001	< 0.001	< 0.01
EQT 025 09-78	0.003	0.03	0.01				0.001	0.01	< 0.01
EQT 026 38-96	0.002	0.002	< 0.01						

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 328 - International Paper Co - Mansfield Mill
Activity Number: PER20070001
Permit Number: 0760-00006-V8
Air - Title V Regular Permit Minor Mod

All phases

	1,1,1-Trichloroethane			1,1,2-Trichloroethane			1,2,4-Trichlorobenzene			1,2-Dichloropropane			1,3-Butadiene		
Subject Item	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 027 39-96													< 0.001	< 0.001	< 0.01
EQT 028 46-96													< 0.001	< 0.001	< 0.01
EQT 029 47-96													< 0.001	< 0.001	< 0.01
EQT 030 48-96													< 0.001	< 0.001	< 0.01
EQT 031 49-96													< 0.001	< 0.001	< 0.01
EQT 032 50-96													< 0.001	< 0.001	< 0.01
EQT 033 51-96													< 0.001	< 0.001	< 0.01
EQT 034 52-96													< 0.001	< 0.001	< 0.01
EQT 035 02-78	0.07	0.07	0.29												
EQT 036 04-78							0.70	0.74	3.1						
EQT 037 05-78							0.70	0.74	3.1						
EQT 038 07-78	< 0.001	< 0.001	< 0.01												
EQT 039 20-93e															
EQT 040 20-93f															
EQT 041 20-93h															
EQT 042 20-93i															
EQT 043 20-93j															
EQT 044 21-93e															

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 328 - International Paper Co - Mansfield Mill
Activity Number: PER20070001
Permit Number: 0760-00006-V8
Air - Title V Regular Permit Minor Mod

All phases

	2,2,4-Trimethylpentane			2,3,7,8-Tetrachlorodibenzo-p-Dioxin			Acetaldehyde			Acetophenone			Acrolein		
Subject Item	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 027 39-96							0.01	0.01	< 0.01				0.001	0.001	< 0.01
EQT 028 46-96							0.001	0.001	< 0.01				< 0.001	< 0.001	< 0.01
EQT 029 47-96							0.001	0.001	< 0.01				< 0.001	< 0.001	< 0.01
EQT 030 48-96							0.002	0.002	< 0.01				< 0.001	< 0.001	< 0.01
EQT 031 49-96							0.002	0.002	< 0.01				< 0.001	< 0.001	< 0.01
EQT 032 50-96							0.003	0.003	< 0.01				< 0.001	< 0.001	< 0.01
EQT 033 51-96							0.001	0.001	< 0.01				< 0.001	< 0.001	< 0.01
EQT 034 52-96							0.001	0.001	< 0.01				< 0.001	< 0.001	< 0.01
EQT 035 02-78				< 0.001	< 0.001	< 0.001	0.48	0.48	2.1	0.01	0.01	0.05	0.06	0.06	0.26
EQT 036 04-78							0.54	0.56	2.3						
EQT 037 05-78							0.54	0.56	2.3						
EQT 038 07-78							0.02	0.02	0.1						
EQT 039 20-93e								0.004							
EQT 040 20-93f								0.004							
EQT 041 20-93h								0.003							
EQT 042 20-93i								0.003							
EQT 043 20-93j								0.004							
EQT 044 21-93e								0.003							

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 328 - International Paper Co - Mansfield Mill
Activity Number: PER20070001
Permit Number: 0760-00006-V8
Air - Title V Regular Permit Minor Mod

All phases

	Ammonia			Antimony (and compounds)			Arsenic (and compounds)			Barium (and compounds)			Benzene		
Subject Item	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 027 39-96													0.01	0.01	0.01
EQT 028 46-96													0.002	0.002	0.01
EQT 029 47-96													0.002	0.002	0.01
EQT 030 48-96													0.002	0.002	< 0.01
EQT 031 49-96													0.003	0.003	< 0.01
EQT 032 50-96													0.004	0.004	< 0.01
EQT 033 51-96													0.001	0.001	< 0.01
EQT 034 52-96													0.001	0.001	< 0.01
EQT 035 02-78	2.3	2.3	9.9	0.02	0.02	0.10	0.01	0.01	0.05	5.2	5.2	22.6	0.33	0.33	1.4
EQT 036 04-78				0.002	0.02	0.01	< 0.001	0.005	< 0.01	0.001	0.001	0.01	0.05	0.05	0.23
EQT 037 05-78				0.002	0.02	0.01	< 0.001	0.005	< 0.01	0.001	0.001	0.01	0.05	0.05	0.23
EQT 038 07-78	9.6	10.1	42.2	< 0.001	< 0.001	< 0.01	< 0.001	< 0.001	< 0.01				< 0.001	< 0.001	< 0.01
EQT 039 20-93e														< 0.001	
EQT 040 20-93f														< 0.001	
EQT 041 20-93h														< 0.001	
EQT 042 20-93i														< 0.001	
EQT 043 20-93j														< 0.001	
EQT 044 21-93e														< 0.001	

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 328 - International Paper Co - Mansfield Mill
Activity Number: PER20070001
Permit Number: 0760-00006-V8
Air - Title V Regular Permit Minor Mod

All phases

	Beryllium (Table 51.1)			Biphenyl			Cadmium (and compounds)			Carbon disulfide			Chlorinated Dibenzo-P-Dioxins		
Subject Item	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 027 39-96															
EQT 028 46-96															
EQT 029 47-96															
EQT 030 48-96															
EQT 031 49-96															
EQT 032 50-96															
EQT 033 51-96															
EQT 034 52-96															
EQT 035 02-78	0.07	0.07	0.31				0.01	0.01	0.02	0.10	0.10	0.43	< 0.001	< 0.001	< 0.001
EQT 036 04-78	< 0.001	< 0.001	< 0.01				0.001	0.001	< 0.01				< 0.001	< 0.001	< 0.001
EQT 037 05-78	< 0.001	< 0.001	< 0.01				0.001	0.001	< 0.01				< 0.001	< 0.001	< 0.001
EQT 038 07-78	< 0.001	< 0.001	< 0.01				< 0.001	< 0.001	< 0.01	< 0.001	< 0.001	< 0.01			
EQT 039 20-93e															
EQT 040 20-93f															
EQT 041 20-93h															
EQT 042 20-93i															
EQT 043 20-93j															
EQT 044 21-93e															

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 328 - International Paper Co - Mansfield Mill
Activity Number: PER20070001
Permit Number: 0760-00006-V8
Air - Title V Regular Permit Minor Mod

All phases

	Chlorinated dibenzofurans			Chlorine			Chlorobenzene			Chloroform			Chromium VI (and compounds)		
Subject Item	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 027 39-96															
EQT 028 46-96															
EQT 029 47-96															
EQT 030 48-96															
EQT 031 49-96															
EQT 032 50-96															
EQT 033 51-96															
EQT 034 52-96															
EQT 035 02-78	< 0.001	< 0.001	< 0.001	0.06	0.06	0.28	< 0.001	< 0.001	< 0.01	0.01	0.01	0.06	0.004	0.004	0.02
EQT 036 04-78	< 0.001	< 0.001	< 0.001										0.001	0.001	< 0.01
EQT 037 05-78	< 0.001	< 0.001	< 0.001										0.001	0.001	< 0.01
EQT 038 07-78													< 0.001	< 0.001	< 0.01
EQT 039 20-93e											< 0.001				
EQT 040 20-93f											< 0.001				
EQT 041 20-93h											< 0.001				
EQT 042 20-93i											< 0.001				
EQT 043 20-93j											< 0.001				
EQT 044 21-93e											< 0.001				

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 328 - International Paper Co - Mansfield Mill
Activity Number: PER20070001
Permit Number: 0760-00006-V8
Air - Title V Regular Permit Minor Mod

All phases

	Cobalt compounds			Copper (and compounds)			Cresol			Cumene			Dichloromethane		
Subject Item	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 027 39-96															
EQT 028 46-96															
EQT 029 47-96															
EQT 030 48-96															
EQT 031 49-96															
EQT 032 50-96															
EQT 033 51-96															
EQT 034 52-96															
EQT 035 02-78	0.14	0.14	0.63	0.31	0.31	1.3				0.01	0.01	0.03	20.5	20.5	89.9
EQT 036 04-78	0.002	0.02	0.01	0.002	0.01	0.01							0.04	0.04	0.17
EQT 037 05-78	0.002	0.02	0.01	0.002	0.01	0.01							0.04	0.04	0.17
EQT 038 07-78	< 0.001	< 0.001	< 0.01	0.001	0.001	< 0.01				< 0.001	< 0.001	< 0.01	< 0.001	< 0.001	< 0.01
EQT 039 20-93e															
EQT 040 20-93f															
EQT 041 20-93h															
EQT 042 20-93i															
EQT 043 20-93j															
EQT 044 21-93e															

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 328 - International Paper Co - Mansfield Mill
Activity Number: PER20070001
Permit Number: 0760-00006-V8
Air - Title V Regular Permit Minor Mod

All phases

	Ethyl benzene			Ethylene oxide			Formaldehyde			Glycol ethers (Table 51.1)			Hydrochloric acid		
Subject Item	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 027 39-96							0.01	0.01	0.01						
EQT 028 46-96							0.002	0.002	0.01						
EQT 029 47-96							0.002	0.002	0.01						
EQT 030 48-96							0.003	0.003	< 0.01						
EQT 031 49-96							0.003	0.003	< 0.01						
EQT 032 50-96							0.005	0.005	< 0.01						
EQT 033 51-96							0.001	0.001	< 0.01						
EQT 034 52-96							0.001	0.001	< 0.01						
EQT 035 02-78	0.01	0.01	0.02				0.64	0.64	2.8				31.4	31.4	137.4
EQT 036 04-78							0.39	0.40	1.7				4.4	4.6	19.4
EQT 037 05-78							0.39	0.40	1.7				4.4	4.6	19.4
EQT 038 07-78	< 0.001	< 0.001	< 0.01				0.28	0.30	1.2						
EQT 039 20-93e															
EQT 040 20-93f															
EQT 041 20-93h															
EQT 042 20-93i															
EQT 043 20-93j															
EQT 044 21-93e															

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 328 - International Paper Co - Mansfield Mill
Activity Number: PER20070001
Permit Number: 0760-00006-V8
Air - Title V Regular Permit Minor Mod

All phases

	Hydrofluoric acid			Hydrogen sulfide			Hydroquinone			Lead compounds			Manganese (and compounds)		
Subject Item	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 027 39-96															
EQT 028 46-96															
EQT 029 47-96															
EQT 030 48-96															
EQT 031 49-96															
EQT 032 50-96															
EQT 033 51-96															
EQT 034 52-96															
EQT 035 02-78	3.9	3.9	17.0							0.04	0.04	0.19	4.2	4.2	18.4
EQT 036 04-78	0.01	0.07	0.03	5.73	6.02	25.10				0.001	0.01	0.01	0.005	0.01	0.02
EQT 037 05-78	0.01	0.07	0.03	5.73	6.02	25.10				0.001	0.01	0.01	0.005	0.01	0.02
EQT 038 07-78				1.2	1.2	5.1				< 0.001	< 0.001	< 0.01	0.001	0.001	< 0.01
EQT 039 20-93e															
EQT 040 20-93f															
EQT 041 20-93h															
EQT 042 20-93i															
EQT 043 20-93j															
EQT 044 21-93e															

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 328 - International Paper Co - Mansfield Mill
Activity Number: PER20070001
Permit Number: 0760-00006-V8
Air - Title V Regular Permit Minor Mod

All phases

	Mercury (and compounds)			Methanol			Methyl chloride			Methyl ethyl ketone			Methyl isobutyl ketone		
Subject Item	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 027 39-96															
EQT 028 46-96															
EQT 029 47-96															
EQT 030 48-96															
EQT 031 49-96															
EQT 032 50-96															
EQT 033 51-96															
EQT 034 52-96															
EQT 035 02-78	0.02	0.02	0.08	0.65	0.65	2.9	0.02	0.02	0.08	0.33	0.33	1.5	0.02	0.02	0.08
EQT 036 04-78	< 0.001	< 0.001	< 0.01	18.9	19.8	82.7				0.22	0.23	0.95	0.04	0.04	0.16
EQT 037 05-78	< 0.001	< 0.001	< 0.01	18.9	19.8	82.7				0.22	0.23	0.95	0.04	0.04	0.16
EQT 038 07-78				58.5	61.4	256.2	0.01	0.01	0.04	< 0.001	< 0.001	< 0.01	< 0.001	< 0.001	< 0.01
EQT 039 20-93e					0.27						0.01			< 0.001	
EQT 040 20-93f					0.27						0.01			< 0.001	
EQT 041 20-93h					0.17						0.003			< 0.001	
EQT 042 20-93i					0.17						0.003			< 0.001	
EQT 043 20-93j					0.27						0.01			< 0.001	
EQT 044 21-93a					0.16						0.003			< 0.001	

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 328 - International Paper Co - Mansfield Mill
Activity Number: PER20070001
Permit Number: 0760-00006-V8
Air - Title V Regular Permit Minor Mod

All phases

	Naphthalene			Naphthalene (and Methyl naphthalenes)			Nickel (and compounds)			Phenol			Polycyclic Organic Matter (POM)		
Subject Item	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 027 39-96				0.001	0.001	< 0.01							0.001	0.001	< 0.01
EQT 028 46-96				< 0.001	< 0.001	< 0.01							< 0.001	< 0.001	< 0.01
EQT 029 47-96				< 0.001	< 0.001	< 0.01							< 0.001	< 0.001	< 0.01
EQT 030 48-96				< 0.001	< 0.001	< 0.01							< 0.001	< 0.001	< 0.01
EQT 031 49-96				< 0.001	< 0.001	< 0.01							< 0.001	< 0.001	< 0.01
EQT 032 50-96				< 0.001	< 0.001	< 0.01							0.001	0.001	< 0.01
EQT 033 51-96				< 0.001	< 0.001	< 0.01							< 0.001	< 0.001	< 0.01
EQT 034 52-96				< 0.001	< 0.001	< 0.01							< 0.001	< 0.001	< 0.01
EQT 035 02-78				6.2	6.2	27.3	0.37	0.37	1.6	0.12	0.12	0.54	6.3	6.3	27.4
EQT 036 04-78				0.02	0.02	0.09	0.03	0.30	0.14				0.02	0.02	0.09
EQT 037 05-78				0.02	0.02	0.09	0.03	0.30	0.14				0.02	0.02	0.09
EQT 038 07-78				0.04	0.04	0.18	< 0.001	< 0.001	< 0.01				0.08	0.08	0.33
EQT 039 20-93e															
EQT 040 20-93f															
EQT 041 20-93h															
EQT 042 20-93i															
EQT 043 20-93j															
EQT 044 21-93e															

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 328 - International Paper Co - Mansfield Mill
Activity Number: PER20070001
Permit Number: 0760-00006-V8
Air - Title V Regular Permit Minor Mod

All phases

	Polynuclear Aromatic Hydrocarbons			Propionaldehyde			Selenium (and compounds)			Styrene			Sulfuric acid		
Subject Item	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 027 39-96	0.001	0.001	< 0.01												
EQT 028 46-96	< 0.001	< 0.001	< 0.01												
EQT 029 47-96	< 0.001	< 0.001	< 0.01												
EQT 030 48-96	< 0.001	< 0.001	< 0.01												
EQT 031 49-96	< 0.001	< 0.001	< 0.01												
EQT 032 50-96	< 0.001	< 0.001	< 0.01												
EQT 033 51-96	< 0.001	< 0.001	< 0.01												
EQT 034 52-96	< 0.001	< 0.001	< 0.01												
EQT 035 02-78	0.06	0.06	0.25	0.02	0.02	0.10	0.03		0.15	0.01	0.01	0.05	13.3	13.3	58.1
EQT 036 04-78	< 0.001	< 0.001	< 0.01				< 0.001	0.002	< 0.01	0.10	0.11	0.45	2.0	6.0	9.0
EQT 037 05-78	< 0.001	< 0.001	< 0.01				< 0.001	0.002	< 0.01	0.10	0.11	0.45	2.0	6.0	9.0
EQT 038 07-78	0.04	0.04	0.16				< 0.001	< 0.001	< 0.01	0.01	0.01	0.04			
EQT 039 20-93e											0.001				
EQT 040 20-93f											0.001				
EQT 041 20-93h											< 0.001				
EQT 042 20-93i											< 0.001				
EQT 043 20-93j											0.001				
EQT 044 21-93e											< 0.001				

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 328 - International Paper Co - Mansfield Mill
Activity Number: PER20070001
Permit Number: 0760-00006-V8
Air - Title V Regular Permit Minor Mod

All phases

	Tetrachloroethylene			Toluene			Total reduced sulfur			Trichloroethylene			Triethyl amine		
Subject Item	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 027 39-96				0.003	0.003	< 0.01									
EQT 028 46-96				0.001	0.001	< 0.01									
EQT 029 47-96				0.001	0.001	< 0.01									
EQT 030 48-96				0.001	0.001	< 0.01									
EQT 031 49-96				0.001	0.001	< 0.01									
EQT 032 50-96				0.002	0.002	< 0.01									
EQT 033 51-96				< 0.001	< 0.001	< 0.01									
EQT 034 52-96				< 0.001	< 0.001	< 0.01									
EQT 035 02-78	0.04	0.04	0.17	0.35	0.35	1.5	0.22	0.22	0.98	0.01	0.01	0.06			
EQT 036 04-78				0.003	0.003	0.01	5.7	11.9	25.1						
EQT 037 05-78				0.003	0.003	0.01	5.7	11.9	25.1						
EQT 038 07-78	< 0.001	< 0.001	< 0.01	< 0.001	< 0.001	< 0.01	1.3	1.6	5.2	0.001	0.001	0.01			
EQT 039 20-93e					< 0.001			0.05							
EQT 040 20-93f					< 0.001			0.05							
EQT 041 20-93h					< 0.001			0.03							
EQT 042 20-93i					< 0.001			0.03							
EQT 043 20-93j					< 0.001			0.05							
EQT 044 21-93e					< 0.001			0.03							

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 328 - International Paper Co - Mansfield Mill
Activity Number: PER20070001
Permit Number: 0760-00006-V8
Air - Title V Regular Permit Minor Mod

All phases

	Xylene (mixed isomers)			Zinc (and compounds)			n-Hexane		
Subject Item	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 027 39-96	0.002	0.002	< 0.01						
EQT 028 46-96	0.001	0.001	< 0.01						
EQT 029 47-96	0.001	0.001	< 0.01						
EQT 030 48-96	0.001	0.001	< 0.01						
EQT 031 49-96	0.001	0.001	< 0.01						
EQT 032 50-96	0.001	0.001	< 0.01						
EQT 033 51-96	< 0.001	< 0.001	< 0.01						
EQT 034 52-96	< 0.001	< 0.001	< 0.01						
EQT 035 02-78	0.005	0.005	0.02	3.4	3.4	15.0	0.21	0.21	0.93
EQT 036 04-78	0.07	0.08	0.32	0.01	0.10	0.06			
EQT 037 05-78	0.07	0.08	0.32	0.01	0.10	0.06			
EQT 038 07-78	< 0.001	< 0.001	< 0.01	0.01	0.01	0.04	< 0.001	< 0.001	< 0.01
EQT 039 20-93e		< 0.001						< 0.001	
EQT 040 20-93f		< 0.001						< 0.001	
EQT 041 20-93h		< 0.001						< 0.001	
EQT 042 20-93i		< 0.001						< 0.001	
EQT 043 20-93j		< 0.001						< 0.001	
EQT 044 21-93e		< 0.001						< 0.001	

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 328 - International Paper Co - Mansfield Mill
Activity Number: PER20070001
Permit Number: 0760-00006-V8
Air - Title V Regular Permit Minor Mod

All phases

	1,1,1-Trichloroethane			1,1,2-Trichloroethane			1,2,4-Trichlorobenzene			1,2-Dichloropropane			1,3-Butadiene		
Subject Item	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 045 21-93g															
EQT 046 21-93h															
EQT 047 22-01p															
EQT 048 22-93b															
EQT 049 22-93f															
EQT 050 22-93h															
EQT 051 22-93i															
EQT 052 22-93j															
EQT 053 22-93l															
EQT 054 28-93a															
EQT 055 28-93b															
EQT 056 28-93c															
EQT 057 28-93d															
EQT 058 28-93e															
EQT 059 28-93f															
EQT 060 28-93g															
EQT 061 28-93h							< 0.001	< 0.001	< 0.01						
EQT 062 28-93k				< 0.001	< 0.001	< 0.01	< 0.001	< 0.001	< 0.01						

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 328 - International Paper Co - Mansfield Mill
Activity Number: PER20070001
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Air - Title V Regular Permit Minor Mod

All phases

	2,2,4-Trimethylpentane			2,3,7,8-Tetrachlorodibenzo-p-Dioxin			Acetaldehyde			Acetophenone			Acrolein		
Subject Item	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 045 21-93g								0.002							
EQT 046 21-93h								0.003							
EQT 047 22-01p								0.01						< 0.001	
EQT 048 22-93b								0.01							
EQT 049 22-93f								0.005							
EQT 050 22-93h								0.01							
EQT 051 22-93i								0.01							
EQT 052 22-93j								0.004							
EQT 053 22-93l								0.01							
EQT 054 28-93a								0.003	0.01				< 0.001	< 0.001	< 0.01
EQT 055 28-93b								0.003	0.01				< 0.001	< 0.001	< 0.01
EQT 056 28-93c								0.01	0.02				0.001	0.001	< 0.01
EQT 057 28-93d								0.003	0.01				< 0.001	< 0.001	< 0.01
EQT 058 28-93e								0.01	0.02				0.001	0.001	< 0.01
EQT 059 28-93f								0.02	0.07				< 0.001	< 0.001	< 0.01
EQT 060 28-93g								0.02	0.07				< 0.001	< 0.001	< 0.01
EQT 061 28-93h								0.01	0.05						
EQT 062 28-93k								< 0.001	< 0.01				< 0.001	< 0.001	< 0.01

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 328 - International Paper Co - Mansfield Mill
Activity Number: PER20070001
Permit Number: 0760-00006-V8
Air - Title V Regular Permit Minor Mod

All phases

	Ammonia			Antimony (and compounds)			Arsenic (and compounds)			Barium (and compounds)			Benzene		
Subject Item	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 045 21-93g														< 0.001	
EQT 046 21-93h														< 0.001	
EQT 047 22-01p														< 0.001	
EQT 048 22-93b														< 0.001	
EQT 049 22-93f														< 0.001	
EQT 050 22-93h														< 0.001	
EQT 051 22-93i														< 0.001	
EQT 052 22-93j														< 0.001	
EQT 053 22-93l														< 0.001	
EQT 054 28-93a													< 0.001	< 0.001	< 0.01
EQT 055 28-93b													< 0.001	< 0.001	< 0.01
EQT 056 28-93c													< 0.001	< 0.001	< 0.01
EQT 057 28-93d													< 0.001	< 0.001	< 0.01
EQT 058 28-93e													< 0.001	< 0.001	< 0.01
EQT 059 28-93f													< 0.001	< 0.001	< 0.01
EQT 060 28-93g													< 0.001	< 0.001	< 0.01
EQT 061 28-93h													< 0.001	< 0.001	< 0.01
EQT 062 28-93k													< 0.001	< 0.001	< 0.01

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 328 - International Paper Co - Mansfield Mill
Activity Number: PER20070001
Permit Number: 0760-00006-V8
Air - Title V Regular Permit Minor Mod

All phases

	Beryllium (Table 51.1)			Biphenyl			Cadmium (and compounds)			Carbon disulfide			Chlorinated Dibenzo-P-Dioxins		
Subject Item	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 045 21-93g															
EQT 046 21-93h															
EQT 047 22-01p															
EQT 048 22-93b															
EQT 049 22-93f															
EQT 050 22-93h															
EQT 051 22-93i															
EQT 052 22-93j															
EQT 053 22-93l															
EQT 054 28-93a															
EQT 055 28-93b															
EQT 056 28-93c															
EQT 057 28-93d															
EQT 058 28-93e															
EQT 059 28-93f															
EQT 060 28-93g															
EQT 061 28-93h															
EQT 062 28-93k															

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 328 - International Paper Co - Mansfield Mill
Activity Number: PER20070001
Permit Number: 0760-00006-V8
Air - Title V Regular Permit Minor Mod

All phases

	Chlorinated dibenzofurans			Chlorine			Chlorobenzene			Chloroform			Chromium VI (and compounds)		
Subject Item	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 045 21-93g											< 0.001				
EQT 046 21-93h											< 0.001				
EQT 047 22-01p															
EQT 048 22-93b											0.001				
EQT 049 22-93f											0.001				
EQT 050 22-93h											0.001				
EQT 051 22-93i											0.001				
EQT 052 22-93j											< 0.001				
EQT 053 22-93l											0.001				
EQT 054 28-93a															
EQT 055 28-93b															
EQT 056 28-93c															
EQT 057 28-93d															
EQT 058 28-93e															
EQT 059 28-93f															
EQT 060 28-93g															
EQT 061 28-93h															
EQT 062 28-93k															

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 328 - International Paper Co - Mansfield Mill
Activity Number: PER20070001
Permit Number: 0760-00006-V8
Air - Title V Regular Permit Minor Mod

All phases

	Cobalt compounds			Copper (and compounds)			Cresol			Cumene			Dichloromethane		
Subject Item	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 045 21-93g															
EQT 046 21-93h															
EQT 047 22-01p															
EQT 048 22-93b															
EQT 049 22-93f															
EQT 050 22-93h															
EQT 051 22-93i															
EQT 052 22-93j															
EQT 053 22-93l															
EQT 054 28-93a															
EQT 055 28-93b															
EQT 056 28-93c															
EQT 057 28-93d															
EQT 058 28-93e															
EQT 059 28-93f															
EQT 060 28-93g															
EQT 061 28-93h															
EQT 062 28-93k															

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 328 - International Paper Co - Mansfield Mill
Activity Number: PER20070001
Permit Number: 0760-00006-V8
Air - Title V Regular Permit Minor Mod

All phases

	Ethyl benzene			Ethylene oxide			Formaldehyde			Glycol ethers (Table 51.1)			Hydrochloric acid		
Subject Item	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 045 21-93g															
EQT 046 21-93h															
EQT 047 22-01p								< 0.001							
EQT 048 22-93b															
EQT 049 22-93f															
EQT 050 22-93h															
EQT 051 22-93i															
EQT 052 22-93j															
EQT 053 22-93l															
EQT 054 28-93a							< 0.001	< 0.001	< 0.01						
EQT 055 28-93b							< 0.001	< 0.001	< 0.01						
EQT 056 28-93c							< 0.001	< 0.001	< 0.01						
EQT 057 28-93d							< 0.001	< 0.001	< 0.01						
EQT 058 28-93e							< 0.001	< 0.001	< 0.01						
EQT 059 28-93f							< 0.001	< 0.001	< 0.01						
EQT 060 28-93g							< 0.001	< 0.001	< 0.01						
EQT 061 28-93h							< 0.001	< 0.001	< 0.01						
EQT 062 28-93k															

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 328 - International Paper Co - Mansfield Mill
Activity Number: PER20070001
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Air - Title V Regular Permit Minor Mod

All phases

	Hydrofluoric acid			Hydrogen sulfide			Hydroquinone			Lead compounds			Manganese (and compounds)		
Subject Item	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 045 21-93g															
EQT 046 21-93h															
EQT 047 22-01p					0.01										
EQT 048 22-93b															
EQT 049 22-93f															
EQT 050 22-93h															
EQT 051 22-93i															
EQT 052 22-93j															
EQT 053 22-93l															
EQT 054 28-93a				0.01	0.01	0.05									
EQT 055 28-93b				0.01	0.01	0.05									
EQT 056 28-93c				0.01	0.01	0.05									
EQT 057 28-93d				0.01	0.01	0.05									
EQT 058 28-93e				0.01	0.01	0.05									
EQT 059 28-93f				0.91	0.91	4									
EQT 060 28-93g				0.91	0.91	4									
EQT 061 28-93h				2	2	8.8									
EQT 062 28-93k				0.003	0.003	0.01									

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 328 - International Paper Co - Mansfield Mill
Activity Number: PER20070001
Permit Number: 0760-00006-V8
Air - Title V Regular Permit Minor Mod

All phases

	Mercury (and compounds)			Methanol			Methyl chloride			Methyl ethyl ketone			Methyl isobutyl ketone		
Subject Item	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 045 21-93g					0.15						0.003			< 0.001	
EQT 046 21-93h					0.16						0.003			< 0.001	
EQT 047 22-01p					0.24						0.01			0.001	
EQT 048 22-93b					0.76						0.02			0.001	
EQT 049 22-93f					0.3						0.01			< 0.001	
EQT 050 22-93h					0.45						0.01			0.001	
EQT 051 22-93i					0.57						0.01			0.001	
EQT 052 22-93j					0.25						0.01			< 0.001	
EQT 053 22-93l					0.58						0.01			0.001	
EQT 054 28-93a				0.71	0.71	3.1				0.004	0.004	0.02	< 0.001	< 0.001	< 0.01
EQT 055 28-93b				0.71	0.71	3.1				0.004	0.004	0.02	< 0.001	< 0.001	< 0.01
EQT 056 28-93c				1.3	1.3	5.7				0.02	0.02	0.09	0.001	0.001	< 0.01
EQT 057 28-93d				1.4	1.4	6.0				0.02	0.02	0.07	< 0.001	< 0.001	< 0.01
EQT 058 28-93e				1.4	1.4	6.0				0.02	0.02	0.09	0.001	0.001	< 0.01
EQT 059 28-93f				0.09	0.09	0.4				0.02	0.02	0.08	< 0.001	< 0.001	< 0.01
EQT 060 28-93g				0.09	0.09	0.4				0.02	0.02	0.08	< 0.001	< 0.001	< 0.01
EQT 061 28-93h				0.13	0.13	0.58				0.02	0.02	0.07	< 0.001	< 0.001	< 0.01
EQT 062 28-93k				0.001	0.001	0.01				< 0.001	< 0.001	< 0.01	< 0.001	< 0.001	< 0.01

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 328 - International Paper Co - Mansfield Mill
Activity Number: PER20070001
Permit Number: 0760-00006-V8
Air - Title V Regular Permit Minor Mod

All phases

	Naphthalene			Naphthalene (and Methyl napht alenes)			Nickel (and compounds)			Phenol			Polycyclic Organic Matter (PO M)		
Subject Item	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 045 21-93g															
EQT 046 21-93h															
EQT 047 22-01p															
EQT 048 22-93b															
EQT 049 22-93f															
EQT 050 22-93h															
EQT 051 22-93i															
EQT 052 22-93j															
EQT 053 22-93l															
EQT 054 28-93a															
EQT 055 28-93b															
EQT 056 28-93c															
EQT 057 28-93d															
EQT 058 28-93e															
EQT 059 28-93f															
EQT 060 28-93g															
EQT 061 28-93h															
EQT 062 28-93k															

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 328 - International Paper Co - Mansfield Mill
Activity Number: PER20070001
Permit Number: 0760-00006-V8
Air - Title V Regular Permit Minor Mod

All phases

	Polynuclear Aromatic Hydrocarbons			Propionaldehyde			Selenium (and compounds)			Styrene			Sulfuric acid		
Subject Item	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 045 21-93g											< 0.001				
EQT 046 21-93h											< 0.001				
EQT 047 22-01p											0.001				
EQT 048 22-93b											0.002				
EQT 049 22-93f											0.001				
EQT 050 22-93h											0.001				
EQT 051 22-93i											0.001				
EQT 052 22-93j											0.001				
EQT 053 22-93l											0.001				
EQT 054 28-93a										< 0.001	< 0.001	< 0.01			
EQT 055 28-93b										< 0.001	< 0.001	< 0.01			
EQT 056 28-93c										< 0.001	< 0.001	< 0.01			
EQT 057 28-93d										< 0.001	< 0.001	< 0.01			
EQT 058 28-93e										< 0.001	< 0.001	< 0.01			
EQT 059 28-93f										< 0.001	< 0.001	< 0.01			
EQT 060 28-93g										< 0.001	< 0.001	< 0.01			
EQT 061 28-93h										< 0.001	< 0.001	< 0.01			
EQT 062 28-93k										< 0.001	< 0.001	< 0.01			

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 328 - International Paper Co - Mansfield Mill
Activity Number: PER20070001
Permit Number: 0760-00006-V8
Air - Title V Regular Permit Minor Mod

All phases

	Tetrachloroethylene			Toluene			Total reduced sulfur			Trichloroethylene			Triethyl amine		
Subject Item	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 045 21-93g					< 0.001			0.03							
EQT 046 21-93h					< 0.001			0.03							
EQT 047 22-01p					< 0.001			0.13							
EQT 048 22-93b					0.001			0.15							
EQT 049 22-93f					< 0.001			0.06							
EQT 050 22-93h					0.001			0.09							
EQT 051 22-93i					0.001			0.11							
EQT 052 22-93j					< 0.001			0.05							
EQT 053 22-93l					0.001			0.11							
EQT 054 28-93a				< 0.001	< 0.001	< 0.01	0.04	0.04	0.19						
EQT 055 28-93b				< 0.001	< 0.001	< 0.01	0.04	0.04	0.19						
EQT 056 28-93c				0.002	0.002	0.01	0.19	0.19	0.8						
EQT 057 28-93d				< 0.001	< 0.001	< 0.01	0.09	0.09	0.39						
EQT 058 28-93e				0.002	0.002	0.01	0.19	0.19	0.8						
EQT 059 28-93f				< 0.001	< 0.001	< 0.01	0.96	0.96	4.2						
EQT 060 28-93g				< 0.001	< 0.001	< 0.01	0.96	0.96	4.2						
EQT 061 28-93h				< 0.001	< 0.001	< 0.01	2.1	2.1	9.3						
EQT 062 28-93k				< 0.001	< 0.001	< 0.01	0.003	0.003	0.01						

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 328 - International Paper Co - Mansfield Mill
Activity Number: PER20070001
Permit Number: 0760-00006-V8
Air - Title V Regular Permit Minor Mod

All phases

	Xylene (mixed isomers)			Zinc (and compounds)			n-Hexane		
Subject Item	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 045 21-93g		< 0.001						< 0.001	
EQT 046 21-93h		< 0.001						< 0.001	
EQT 047 22-01p		< 0.001						< 0.001	
EQT 048 22-93b		0.001						0.001	
EQT 049 22-93f		< 0.001						< 0.001	
EQT 050 22-93h		0.001						< 0.001	
EQT 051 22-93i		0.001						< 0.001	
EQT 052 22-93j		< 0.001						< 0.001	
EQT 053 22-93l		0.001						< 0.001	
EQT 054 28-93a	0.001	0.001	< 0.01				< 0.001	< 0.001	< 0.01
EQT 055 28-93b	0.001	0.001	< 0.01				< 0.001	< 0.001	< 0.01
EQT 056 28-93c	0.001	0.001	0.01				0.001	< 0.001	< 0.01
EQT 057 28-93d	0.001	0.001	< 0.01						
EQT 058 28-93e	0.001	0.001	0.01				0.001	< 0.001	< 0.01
EQT 059 28-93f	< 0.001	< 0.001	< 0.01				0.001	< 0.001	< 0.01
EQT 060 28-93g	< 0.001	< 0.001	< 0.01				0.001	< 0.001	< 0.01
EQT 061 28-93h	< 0.001	< 0.001	< 0.01				< 0.001	< 0.001	< 0.01
EQT 062 28-93k	< 0.001	< 0.001	< 0.01				< 0.001	< 0.001	< 0.01

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 328 - International Paper Co - Mansfield Mill
Activity Number: PER20070001
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Air - Title V Regular Permit Minor Mod

All phases

	1,1,1-Trichloroethane			1,1,2-Trichloroethane			1,2,4-Trichlorobenzene			1,2-Dichloropropane			1,3-Butadiene		
Subject Item	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 063 28-93l				< 0.001	< 0.001	< 0.01	< 0.001	< 0.001	< 0.01						
EQT 064 28-93m				< 0.001	< 0.001	< 0.01	< 0.001	< 0.001	< 0.01						
EQT 065 28-93n				< 0.001	< 0.001	< 0.01	< 0.001	< 0.001	< 0.01						
EQT 066 28-93o															
EQT 067 28-93p															
EQT 068 28-93q															
EQT 069 28-93r															
EQT 070 28-93s															
EQT 071 29-93a															
EQT 072 29-93b															
EQT 073 29-93c															
EQT 074 29-93d															
EQT 075 29-93j															
EQT 076 29-93k															
EQT 077 29-93l															
EQT 078 29-93m															
EQT 079 29-93n															
EQT 080 29-93o															

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 328 - International Paper Co - Mansfield Mill
Activity Number: PER20070001
Permit Number: 0760-00006-V8
Air - Title V Regular Permit Minor Mod

All phases

	2,2,4-Trimethylpentane			2,3,7,8-Tetrachlorodibenzo-p-Dioxin			Acetaldehyde			Acetophenone			Acrolein		
Subject Item	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 063 28-93l								< 0.001	< 0.01				< 0.001	< 0.001	< 0.01
EQT 064 28-93m								< 0.001	< 0.01				< 0.001	< 0.001	< 0.01
EQT 065 28-93n								0.001	< 0.01				< 0.001	< 0.001	< 0.01
EQT 066 28-93o								< 0.001	< 0.01				< 0.001	< 0.001	< 0.01
EQT 067 28-93p								< 0.001	< 0.01				< 0.001	< 0.001	< 0.01
EQT 068 28-93q								< 0.001	< 0.01				< 0.001	< 0.001	< 0.01
EQT 069 28-93r							< 0.001	< 0.001	< 0.01				< 0.001	< 0.001	< 0.01
EQT 070 28-93s								< 0.001	< 0.01				< 0.001	< 0.001	< 0.01
EQT 071 29-93a								0.001 0.002	< 0.01				< 0.001	< 0.001	< 0.01
EQT 072 29-93b								0.001 0.002	< 0.01				< 0.001	< 0.001	< 0.01
EQT 073 29-93c								0.001	< 0.01				< 0.001	< 0.001	< 0.01
EQT 074 29-93d								0.001	< 0.01				< 0.001	< 0.001	< 0.01
EQT 075 29-93j								0.01	0.03				< 0.001	< 0.001	< 0.01
EQT 076 29-93k								0.01	0.03				< 0.001	< 0.001	< 0.01
EQT 077 29-93l								0.01	0.03				< 0.001	< 0.001	< 0.01
EQT 078 29-93m								0.01	0.03				< 0.001	< 0.001	< 0.01
EQT 079 29-93n							0.004	0.01	0.02				< 0.001	< 0.001	< 0.01
EQT 080 29-93o							0.004	0.01	0.02				< 0.001	< 0.001	< 0.01

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 328 - International Paper Co - Mansfield Mill
Activity Number: PER20070001
Permit Number: 0760-00006-V8
Air - Title V Regular Permit Minor Mod

All phases

	Ammonia			Antimony (and compounds)			Arsenic (and compounds)			Barium (and compounds)			Benzene		
Subject Item	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 063 28-93l													< 0.001	< 0.001	< 0.01
EQT 064 28-93m													< 0.001	< 0.001	< 0.01
EQT 065 28-93n													< 0.001	< 0.001	< 0.01
EQT 066 28-93o													< 0.001	< 0.001	< 0.01
EQT 067 28-93p													< 0.001	< 0.001	< 0.01
EQT 068 28-93q													< 0.001	< 0.001	< 0.01
EQT 069 28-93r													< 0.001	< 0.001	< 0.01
EQT 070 28-93s													< 0.001	< 0.001	< 0.01
EQT 071 29-93a													< 0.001	< 0.001	< 0.01
EQT 072 29-93b													< 0.001	< 0.001	< 0.01
EQT 073 29-93c													< 0.001	< 0.001	< 0.01
EQT 074 29-93d													< 0.001	< 0.001	< 0.01
EQT 075 29-93j													< 0.001	< 0.001	< 0.01
EQT 076 29-93k													< 0.001	< 0.001	< 0.01
EQT 077 29-93l													< 0.001	< 0.001	< 0.01
EQT 078 29-93m													< 0.001	< 0.001	< 0.01
EQT 079 29-93n													< 0.001	< 0.001	< 0.01
EQT 080 29-93o													< 0.001	< 0.001	< 0.01

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 328 - International Paper Co - Mansfield Mill
Activity Number: PER20070001
Permit Number: 0760-00006-V8
Air - Title V Regular Permit Minor Mod

All phases

	Beryllium (Table 51.1)			Biphenyl			Cadmium (and compounds)			Carbon disulfide			Chlorinated Dibenzo-P-Dioxins		
Subject Item	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 063 28-93l															
EQT 064 28-93m															
EQT 065 28-93n															
EQT 066 28-93o															
EQT 067 28-93p															
EQT 068 28-93q															
EQT 069 28-93r															
EQT 070 28-93s															
EQT 071 29-93a															
EQT 072 29-93b															
EQT 073 29-93c															
EQT 074 29-93d															
EQT 075 29-93j															
EQT 076 29-93k															
EQT 077 29-93l															
EQT 078 29-93m															
EQT 079 29-93n															
EQT 080 29-93o															

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 328 - International Paper Co - Mansfield Mill
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Air - Title V Regular Permit Minor Mod

All phases

	Chlorinated dibenzofurans			Chlorine			Chlorobenzene			Chloroform			Chromium VI (and compounds)		
Subject Item	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 063 28-93l															
EQT 064 28-93m															
EQT 065 28-93n															
EQT 066 28-93o															
EQT 067 28-93p															
EQT 068 28-93q															
EQT 069 28-93r															
EQT 070 28-93s															
EQT 071 29-93a															
EQT 072 29-93b															
EQT 073 29-93c															
EQT 074 29-93d															
EQT 075 29-93j															
EQT 076 29-93k															
EQT 077 29-93l															
EQT 078 29-93m															
EQT 079 29-93n															
EQT 080 29-93o															

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

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Air - Title V Regular Permit Minor Mod

All phases

	Cobalt compounds			Copper (and compounds)			Cresol			Cumene			Dichloromethane		
Subject Item	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 063 28-93l															
EQT 064 28-93m															
EQT 065 28-93n															
EQT 066 28-93o															
EQT 067 28-93p															
EQT 068 28-93q															
EQT 069 28-93r															
EQT 070 28-93s															
EQT 071 29-93a															
EQT 072 29-93b															
EQT 073 29-93c															
EQT 074 29-93d															
EQT 075 29-93j															
EQT 076 29-93k															
EQT 077 29-93l															
EQT 078 29-93m															
EQT 079 29-93n															
EQT 080 29-93o															

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

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Air - Title V Regular Permit Minor Mod

All phases

	Ethyl benzene			Ethylene oxide			Formaldehyde			Glycol ethers (Table 51.1)			Hydrochloric acid		
Subject Item	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 063 28-93l															
EQT 064 28-93m															
EQT 065 28-93n															
EQT 066 28-93o							0.001	0.001	< 0.01						
EQT 067 28-93p							0.001	0.001	< 0.01						
EQT 068 28-93q							0.001	0.001	< 0.01						
EQT 069 28-93r							0.001	0.001	< 0.01						
EQT 070 28-93s							0.001	0.001	< 0.01						
EQT 071 29-93a															
EQT 072 29-93b															
EQT 073 29-93c															
EQT 074 29-93d															
EQT 075 29-93j							0.001	0.002	0.01						
EQT 076 29-93k							0.001	0.002	0.01						
EQT 077 29-93l							0.001	0.002	0.01						
EQT 078 29-93m							0.001	0.002	0.01						
EQT 079 29-93n							0.001	0.001	< 0.01						
EQT 080 29-93o							0.001	0.001	< 0.01						

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

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Activity Number: PER20070001
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Air - Title V Regular Permit Minor Mod

All phases

	Hydrofluoric acid			Hydrogen sulfide			Hydroquinone			Lead compounds			Manganese (and compounds)		
Subject Item	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 063 28-93l				0.003	0.003	0.01									
EQT 064 28-93m				0.003	0.003	0.01									
EQT 065 28-93n				0.01	0.01	0.02									
EQT 066 28-93o				0.01	0.01	0.06									
EQT 067 28-93p				0.01	0.01	0.06									
EQT 068 28-93q				0.01	0.01	0.06									
EQT 069 28-93r				0.01	0.01	0.06									
EQT 070 28-93s				0.01	0.01	0.06									
EQT 071 29-93a				0.005	0.01	0.02									
EQT 072 29-93b				0.005	0.01	0.02									
EQT 073 29-93c				0.001	0.001	< 0.01									
EQT 074 29-93d				0.001	0.001	< 0.01									
EQT 075 29-93j				0.01	0.01	0.04									
EQT 076 29-93k				0.01	0.01	0.04									
EQT 077 29-93l				0.01	0.01	0.04									
EQT 078 29-93m				0.01	0.01	0.04									
EQT 079 29-93n				0.01	0.01	0.03									
EQT 080 29-93o				0.01	0.01	0.03									

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

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Activity Number: PER20070001
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All phases

	Mercury (and compounds)			Methanol			Methyl chloride			Methyl ethyl ketone			Methyl isobutyl ketone		
Subject Item	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 063 28-93l				0.001	0.001	0.01				< 0.001	< 0.001	< 0.01	< 0.001	< 0.001	< 0.01
EQT 064 28-93m				0.001	0.001	0.01				< 0.001	< 0.001	< 0.01	< 0.001	< 0.001	< 0.01
EQT 065 28-93n				0.002	0.002	0.01				< 0.001	< 0.001	< 0.01	< 0.001	< 0.001	< 0.01
EQT 066 28-93o				0.003	0.003	0.01				< 0.001	< 0.001	< 0.01	< 0.001	< 0.001	< 0.01
EQT 067 28-93p				0.003	0.003	0.01				< 0.001	< 0.001	< 0.01	< 0.001	< 0.001	< 0.01
EQT 068 28-93q				0.003	0.003	0.01				< 0.001	< 0.001	< 0.01	< 0.001	< 0.001	< 0.01
EQT 069 28-93r				0.003	0.003	0.01				< 0.001	< 0.001	< 0.01	< 0.001	< 0.001	< 0.01
EQT 070 28-93s				0.003	0.003	0.01				< 0.001	< 0.001	< 0.01	< 0.001	< 0.001	< 0.01
EQT 071 29-93a				1.3	2	5.7				0.002	0.003	0.01	< 0.001	< 0.001	< 0.01
EQT 072 29-93b				1.3	2	5.7				0.002	0.003	0.01	< 0.001	< 0.001	< 0.01
EQT 073 29-93c				0.01	0.02	0.05				< 0.001	< 0.001	< 0.01	< 0.001	< 0.001	< 0.01
EQT 074 29-93d				0.01	0.02	0.05				< 0.001	< 0.001	< 0.01	< 0.001	< 0.001	< 0.01
EQT 075 29-93j				0.11	0.17	0.48				0.001	0.001	< 0.01	< 0.001	< 0.001	< 0.01
EQT 076 29-93k				0.11	0.17	0.48				0.001	0.001	< 0.01	< 0.001	< 0.001	< 0.01
EQT 077 29-93l				0.11	0.17	0.48				0.001	0.001	< 0.01	< 0.001	< 0.001	< 0.01
EQT 078 29-93m				0.11	0.17	0.48				0.001	0.001	< 0.01	< 0.001	< 0.001	< 0.01
EQT 079 29-93n				0.07	0.11	0.32				< 0.001	0.001	< 0.01	< 0.001	< 0.001	< 0.01
EQT 080 29-93o				0.07	0.11	0.32				< 0.001	0.001	< 0.01	< 0.001	< 0.001	< 0.01

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 328 - International Paper Co - Mansfield Mill
Activity Number: PER20070001
Permit Number: 0760-00006-V8
Air - Title V Regular Permit Minor Mod

All phases

	Naphthalene			Naphthalene (and Methyl napht alenes)			Nickel (and compounds)			Phenol			Polycyclic Organic Matter (PO M)		
Subject Item	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 063 28-93l															
EQT 064 28-93m															
EQT 065 28-93n															
EQT 066 28-93o															
EQT 067 28-93p															
EQT 068 28-93q															
EQT 069 28-93r															
EQT 070 28-93s															
EQT 071 29-93a															
EQT 072 29-93b															
EQT 073 29-93c															
EQT 074 29-93d															
EQT 075 29-93j															
EQT 076 29-93k															
EQT 077 29-93l															
EQT 078 29-93m															
EQT 079 29-93n															
EQT 080 29-93o															

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 328 - International Paper Co - Mansfield Mill
Activity Number: PER20070001
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Air - Title V Regular Permit Minor Mod

All phases

	Polynuclear Aromatic Hydrocar bons			Propionaldehyde			Selenium (and compounds)			Styrene			Sulfuric acid		
Subject Item	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 063 28-93l										< 0.001	< 0.001	< 0.01			
EQT 064 28-93m										< 0.001	< 0.001	< 0.01			
EQT 065 28-93n										< 0.001	< 0.001	< 0.01			
EQT 066 28-93o										< 0.001	< 0.001	< 0.01			
EQT 067 28-93p										< 0.001	< 0.001	< 0.01			
EQT 068 28-93q										< 0.001	< 0.001	< 0.01			
EQT 069 28-93r										< 0.001	< 0.001	< 0.01			
EQT 070 28-93s										< 0.001	< 0.001	< 0.01			
EQT 071 29-93a										< 0.001	< 0.001	< 0.01			
EQT 072 29-93b										< 0.001	< 0.001	< 0.01			
EQT 073 29-93c															
EQT 074 29-93d															
EQT 075 29-93j										< 0.001	< 0.001	< 0.01			
EQT 076 29-93k										< 0.001	< 0.001	< 0.01			
EQT 077 29-93l										< 0.001	< 0.001	< 0.01			
EQT 078 29-93m										< 0.001	< 0.001	< 0.01			
EQT 079 29-93n										< 0.001	< 0.001	< 0.01			
EQT 080 29-93o										< 0.001	< 0.001	< 0.01			

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

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Air - Title V Regular Permit Minor Mod

All phases

	Tetrachloroethylene			Toluene			Total reduced sulfur			Trichloroethylene			Triethyl amine		
Subject Item	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 063 28-93l				< 0.001	< 0.001	< 0.01	0.003	0.003	0.01						
EQT 064 28-93m				< 0.001	< 0.001	< 0.01	0.003	0.003	0.01						
EQT 065 28-93n				< 0.001	< 0.001	< 0.01	0.01	0.01	0.02						
EQT 066 28-93o				< 0.001	< 0.001	< 0.01	0.01	0.01	0.06						
EQT 067 28-93p				< 0.001	< 0.001	< 0.01	0.01	0.01	0.06						
EQT 068 28-93q				< 0.001	< 0.001	< 0.01	0.01	0.01	0.06						
EQT 069 28-93r				< 0.001	< 0.001	< 0.01	0.01	0.01	0.06						
EQT 070 28-93s				< 0.001	< 0.001	< 0.01	0.01	0.01	0.06						
EQT 071 29-93a				< 0.001	< 0.001	< 0.01	0.01	0.02	0.04						
EQT 072 29-93b				< 0.001	< 0.001	< 0.01	0.01	0.02	0.04						
EQT 073 29-93c				< 0.001	< 0.001	< 0.01	0.001	0.002	< 0.01						
EQT 074 29-93d				< 0.001	< 0.001	< 0.01	0.001	0.002	< 0.01						
EQT 075 29-93j				0.001	0.001	< 0.01	0.02	0.03	0.08						
EQT 076 29-93k				0.001	0.001	< 0.01	0.02	0.03	0.08						
EQT 077 29-93l				0.001	0.001	< 0.01	0.02	0.03	0.08						
EQT 078 29-93m				0.001	0.001	< 0.01	0.02	0.03	0.08						
EQT 079 29-93n				< 0.001	0.001	< 0.01	0.01	0.02	0.05						
EQT 080 29-93o				< 0.001	0.001	< 0.01	0.01	0.02	0.05						

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

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Activity Number: PER20070001
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Air - Title V Regular Permit Minor Mod

All phases

	Xylene (mixed isomers)			Zinc (and compounds)			n-Hexane		
Subject Item	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 063 28-93l	< 0.001	< 0.001	< 0.01				< 0.001	< 0.001	< 0.01
EQT 064 28-93m	< 0.001	< 0.001	< 0.01				< 0.001	< 0.001	< 0.01
EQT 065 28-93n	< 0.001	< 0.001	< 0.01				< 0.001	< 0.001	< 0.01
EQT 066 28-93o	< 0.001	< 0.001	< 0.01				< 0.001	< 0.001	< 0.01
EQT 067 28-93p	< 0.001	< 0.001	< 0.01				< 0.001	< 0.001	< 0.01
EQT 068 28-93q	< 0.001	< 0.001	< 0.01				< 0.001	< 0.001	< 0.01
EQT 069 28-93r	< 0.001	< 0.001	< 0.01				< 0.001	< 0.001	< 0.01
EQT 070 28-93s	< 0.001	< 0.001	< 0.01				< 0.001	< 0.001	< 0.01
EQT 071 29-93a	0.002	0.003	0.01				< 0.001	< 0.001	< 0.01
EQT 072 29-93b	0.002	0.003	0.01				< 0.001	< 0.001	< 0.01
EQT 073 29-93c	< 0.001	< 0.001	< 0.01				< 0.001	< 0.001	< 0.01
EQT 074 29-93d	< 0.001	< 0.001	< 0.01				< 0.001	< 0.001	< 0.01
EQT 075 29-93j	< 0.001	< 0.001	< 0.01						
EQT 076 29-93k	< 0.001	< 0.001	< 0.01						
EQT 077 29-93l	< 0.001	< 0.001	< 0.01						
EQT 078 29-93m	< 0.001	< 0.001	< 0.01						
EQT 079 29-93n	< 0.001	< 0.001	< 0.01						
EQT 080 29-93o	< 0.001	< 0.001	< 0.01						

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Permit Number: 0760-00006-V8
Air - Title V Regular Permit Minor Mod

All phases

	1,1,1-Trichloroethane			1,1,2-Trichloroethane			1,2,4-Trichlorobenzene			1,2-Dichloropropane			1,3-Butadiene		
Subject Item	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 081 29-93p															
EQT 082 29-93q															
EQT 083 29-93t															
EQT 084 29-93v															
EQT 085 29-93w															
EQT 086 29-93x															
EQT 087 31-93i															
EQT 088 31-93j															
EQT 089 31-93k															
EQT 090 31-93l															
EQT 091 31-93m															
EQT 092 31-93n															
EQT 093 31-93o															
EQT 094 31-93p															
EQT 096 40-96															
EQT 100 56-98b				< 0.001	0.001	< 0.01	< 0.001	< 0.001	< 0.01						
EQT 101 56-98c				< 0.001	0.001	< 0.01	< 0.001	< 0.001	< 0.01						
EQT 102 56-98d				< 0.001	0.001	< 0.01	< 0.001	< 0.001	< 0.01						

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All phases

	2,2,4-Trimethylpentane			2,3,7,8-Tetrachlorodibenzo-p-Dioxin			Acetaldehyde			Acetophenone			Acrolein		
Subject Item	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 081 29-93p							0.004	0.01	0.02				< 0.001	< 0.001	< 0.01
EQT 082 29-93q							< 0.001	< 0.001	< 0.01				0.001	0.002	< 0.01
EQT 083 29-93t							0.004	0.01	0.02				0.001	0.001	< 0.01
EQT 084 29-93v							0.01	0.01	0.03				< 0.001	< 0.001	< 0.01
EQT 085 29-93w															
EQT 086 29-93x															
EQT 087 31-93i							0.08	0.08	0.33						
EQT 088 31-93j							0.08	0.08	0.33						
EQT 089 31-93k							0.08	0.08	0.33						
EQT 090 31-93l							0.08	0.08	0.36						
EQT 091 31-93m							0.31	0.31	1.4						
EQT 092 31-93n							0.01	0.01	0.02				< 0.001	< 0.001	< 0.01
EQT 093 31-93o							0.01	0.01	0.02				< 0.001	< 0.001	< 0.01
EQT 094 31-93p							0.01	0.01	0.02				< 0.001	< 0.001	< 0.01
EQT 096 40-96															
EQT 100 56-98b							0.002	0.003	0.01				< 0.001	< 0.001	< 0.01
EQT 101 56-98c								0.002 0.003	0.01				< 0.001	< 0.001	< 0.01
EQT 102 56-98d								0.002 0.003	0.01				< 0.001	< 0.001	< 0.01

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Activity Number: PER20070001
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Air - Title V Regular Permit Minor Mod

All phases

	Ammonia			Antimony (and compounds)			Arsenic (and compounds)			Barium (and compounds)			Benzene		
Subject Item	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 081 29-93p													< 0.001	< 0.001	< 0.01
EQT 082 29-93q															
EQT 083 29-93t													< 0.001	< 0.001	< 0.01
EQT 084 29-93v													< 0.001	< 0.001	< 0.01
EQT 085 29-93w															
EQT 086 29-93x															
EQT 087 31-93i													0.001	0.001	< 0.01
EQT 088 31-93j													0.001	0.001	< 0.01
EQT 089 31-93k													0.001	0.001	< 0.01
EQT 090 31-93l													< 0.001	< 0.001	< 0.01
EQT 091 31-93m															
EQT 092 31-93n													< 0.001	< 0.001	< 0.01
EQT 093 31-93o													< 0.001	< 0.001	< 0.01
EQT 094 31-93p													< 0.001	< 0.001	< 0.01
EQT 096 40-96													0.08	0.08	0.35
EQT 100 56-98b													< 0.001	< 0.001	< 0.01
EQT 101 56-98c													< 0.001	< 0.001	< 0.01
EQT 102 56-98d													< 0.001	< 0.001	< 0.01

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 328 - International Paper Co - Mansfield Mill
Activity Number: PER20070001
Permit Number: 0760-00006-V8
Air - Title V Regular Permit Minor Mod

All phases

	Beryllium (Table 51.1)			Biphenyl			Cadmium (and compounds)			Carbon disulfide			Chlorinated Dibenzo-P-Dioxins		
Subject Item	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 081 29-93p															
EQT 082 29-93q															
EQT 083 29-93t															
EQT 084 29-93v															
EQT 085 29-93w															
EQT 086 29-93x															
EQT 087 31-93i															
EQT 088 31-93j															
EQT 089 31-93k															
EQT 090 31-93l															
EQT 091 31-93m															
EQT 092 31-93n															
EQT 093 31-93o															
EQT 094 31-93p															
EQT 096 40-96															
EQT 100 56-98b															
EQT 101 56-98c															
EQT 102 56-98d															

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 328 - International Paper Co - Mansfield Mill
Activity Number: PER20070001
Permit Number: 0760-00006-V8
Air - Title V Regular Permit Minor Mod

All phases

	Chlorinated dibenzofurans			Chlorine			Chlorobenzene			Chloroform			Chromium VI (and compounds)		
Subject Item	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 081 29-93p															
EQT 082 29-93q															
EQT 083 29-93t															
EQT 084 29-93v															
EQT 085 29-93w															
EQT 086 29-93x															
EQT 087 31-93i															
EQT 088 31-93j															
EQT 089 31-93k															
EQT 090 31-93l															
EQT 091 31-93m															
EQT 092 31-93n															
EQT 093 31-93o															
EQT 094 31-93p															
EQT 096 40-96															
EQT 100 56-98b															
EQT 101 56-98c															
EQT 102 56-98d															

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 328 - International Paper Co - Mansfield Mill
Activity Number: PER20070001
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Air - Title V Regular Permit Minor Mod

All phases

	Cobalt compounds			Copper (and compounds)			Cresol			Cumene			Dichloromethane		
Subject Item	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 081 29-93p															
EQT 082 29-93q															
EQT 083 29-93t															
EQT 084 29-93v															
EQT 085 29-93w															
EQT 086 29-93x															
EQT 087 31-93i															
EQT 088 31-93j															
EQT 089 31-93k															
EQT 090 31-93l															
EQT 091 31-93m															
EQT 092 31-93n															
EQT 093 31-93o															
EQT 094 31-93p															
EQT 096 40-96															
EQT 100 56-98b															
EQT 101 56-98c															
EQT 102 56-98d															

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

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Air - Title V Regular Permit Minor Mod

All phases

	Ethyl benzene			Ethylene oxide			Formaldehyde			Glycol ethers (Table 51.1)			Hydrochloric acid		
Subject Item	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 081 29-93p							0.001	0.001	< 0.01						
EQT 082 29-93q							0.004	0.01	0.02						
EQT 083 29-93t							0.002	0.003	0.01						
EQT 084 29-93v							0.001	0.002	0.01						
EQT 085 29-93w															
EQT 086 29-93x															
EQT 087 31-93i															
EQT 088 31-93j															
EQT 089 31-93k															
EQT 090 31-93l															
EQT 091 31-93m															
EQT 092 31-93n							< 0.001	< 0.001	< 0.01						
EQT 093 31-93o							< 0.001	< 0.001	< 0.01						
EQT 094 31-93p							< 0.001	< 0.001	< 0.01						
EQT 096 40-96	0.004	0.004	0.02												
EQT 100 56-98b															
EQT 101 56-98c															
EQT 102 56-98d															

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 328 - International Paper Co - Mansfield Mill
Activity Number: PER20070001
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Air - Title V Regular Permit Minor Mod

All phases

	Hydrofluoric acid			Hydrogen sulfide			Hydroquinone			Lead compounds			Manganese (and compounds)		
Subject Item	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 081 29-93p				0.01	0.01	0.03									
EQT 082 29-93q				0.001	0.001	< 0.01									
EQT 083 29-93t				0.03	0.04	0.13									
EQT 084 29-93v				0.01	0.01	0.04									
EQT 085 29-93w				0.001	0.001	0.01									
EQT 086 29-93x				0.001	0.001	0.01									
EQT 087 31-93i				0.06	0.06	0.26									
EQT 088 31-93j				0.06	0.06	0.26									
EQT 089 31-93k				0.06	0.06	0.26									
EQT 090 31-93l				0.04	0.04	0.19									
EQT 091 31-93m				0.03	0.03	0.15									
EQT 092 31-93n				0.01	0.01	0.04									
EQT 093 31-93o				0.01	0.01	0.04									
EQT 094 31-93p				0.01	0.01	0.04									
EQT 096 40-96															
EQT 100 56-98b				0.01	0.03	0.06									
EQT 101 56-98c				0.01	0.03	0.06									
EQT 102 56-98d				0.01	0.03	0.06									

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 328 - International Paper Co - Mansfield Mill
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Air - Title V Regular Permit Minor Mod

All phases

	Mercury (and compounds)			Methanol			Methyl chloride			Methyl ethyl ketone			Methyl isobutyl ketone		
Subject Item	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 081 29-93p				0.07	0.11	0.32				< 0.001	0.001	< 0.01	< 0.001	< 0.001	< 0.01
EQT 082 29-93q				0.04	0.05	0.16				< 0.001	< 0.001	< 0.01	< 0.001	< 0.001	< 0.01
EQT 083 29-93t				1.9	2.8	8.2				0.01	0.01	0.02	< 0.001	< 0.001	< 0.01
EQT 084 29-93v				0.11	0.17	0.48				0.001	0.001	< 0.01	< 0.001	< 0.001	< 0.01
EQT 085 29-93w															
EQT 086 29-93x															
EQT 087 31-93i				5.0	5.0	21.9				0.11	0.11	0.48	0.002	0.002	0.01
EQT 088 31-93j				5.0	5.0	21.9				0.11	0.11	0.48	0.002	0.002	0.01
EQT 089 31-93k				5.0	5.0	21.9				0.11	0.11	0.48	0.002	0.002	0.01
EQT 090 31-93l				4.7	4.7	20.6				0.14	0.14	0.61	0.002	0.002	0.01
EQT 091 31-93m				9.9	9.9	43.2				0.47	0.47	2.1	0.01	0.01	0.03
EQT 092 31-93n				0.24	0.24	1.1				0.01	0.01	0.03	0.001	0.001	0.01
EQT 093 31-93o				0.24	0.24	1.1				0.01	0.01	0.03	0.001	0.001	0.01
EQT 094 31-93p				0.24	0.24	1.1				0.01	0.01	0.03	0.001	0.001	0.01
EQT 096 40-96															
EQT 100 56-98b				0.01	0.01	0.03				< 0.001	< 0.001	< 0.01	< 0.001	< 0.001	< 0.01
EQT 101 56-98c				0.01	0.01	0.03				< 0.001	< 0.001	< 0.01	< 0.001	< 0.001	< 0.01
EQT 102 56-98d				0.01	0.01	0.03				< 0.001	< 0.001	< 0.01	< 0.001	< 0.001	< 0.01

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

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Air - Title V Regular Permit Minor Mod

All phases

	Naphthalene			Naphthalene (and Methyl napht alenes)			Nickel (and compounds)			Phenol			Polycyclic Organic Matter (PO M)		
Subject Item	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 081 29-93p															
EQT 082 29-93q															
EQT 083 29-93t															
EQT 084 29-93v															
EQT 085 29-93w															
EQT 086 29-93x															
EQT 087 31-93i															
EQT 088 31-93j															
EQT 089 31-93k															
EQT 090 31-93l															
EQT 091 31-93m															
EQT 092 31-93n															
EQT 093 31-93o															
EQT 094 31-93p															
EQT 096 40-96															
EQT 100 56-98b															
EQT 101 56-98c															
EQT 102 56-98d															

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 328 - International Paper Co - Mansfield Mill
Activity Number: PER20070001
Permit Number: 0760-00006-V8
Air - Title V Regular Permit Minor Mod

All phases

	Polynuclear Aromatic Hydrocarbons			Propionaldehyde			Selenium (and compounds)			Styrene			Sulfuric acid		
Subject Item	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 081 29-93p										< 0.001	< 0.001	< 0.01			
EQT 082 29-93q										< 0.001	< 0.001	< 0.01			
EQT 083 29-93t										0.002	0.003	0.01			
EQT 084 29-93v										< 0.001	< 0.001	< 0.01			
EQT 085 29-93w															
EQT 086 29-93x															
EQT 087 31-93i										0.04	0.04	0.15			
EQT 088 31-93j										0.04	0.04	0.15			
EQT 089 31-93k										0.04	0.04	0.15			
EQT 090 31-93l										0.004	0.004	0.02			
EQT 091 31-93m										0.01	0.01	0.03			
EQT 092 31-93n										0.001	0.001	< 0.01			
EQT 093 31-93o										0.001	0.001	< 0.01			
EQT 094 31-93p										0.001	0.001	< 0.01			
EQT 096 40-96															
EQT 100 56-98b										< 0.001	< 0.001	< 0.01			
EQT 101 56-98c										< 0.001	< 0.001	< 0.01			
EQT 102 56-98d										< 0.001	< 0.001	< 0.01			

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 328 - International Paper Co - Mansfield Mill
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Air - Title V Regular Permit Minor Mod

All phases

	Tetrachloroethylene			Toluene			Total reduced sulfur			Trichloroethylene			Triethyl amine		
Subject Item	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 081 29-93p				< 0.001	0.001	< 0.01	0.01	0.02	0.05						
EQT 082 29-93q				< 0.001	< 0.001	< 0.01	0.001	0.002	0.01						
EQT 083 29-93t				0.001	0.001	< 0.01	0.06	0.08	0.2						
EQT 084 29-93v				0.001	0.001	< 0.01	0.02	0.03	0.08						
EQT 085 29-93w							0.001	0.001	0.01						
EQT 086 29-93x							0.001	0.001	0.01						
EQT 087 31-93i				0.01	0.01	0.05	0.82	0.82	3.6						
EQT 088 31-93j				0.01	0.01	0.05	0.82	0.82	3.6						
EQT 089 31-93k				0.01	0.01	0.05	0.82	0.82	3.6						
EQT 090 31-93l				0.001	0.001	0.01	0.59	0.59	2.6						
EQT 091 31-93m				0.003	0.003	0.01	0.45	0.45	2.0						
EQT 092 31-93n				< 0.001	< 0.001	< 0.01	0.13	0.13	0.5						
EQT 093 31-93o				< 0.001	< 0.001	< 0.01	0.13	0.13	0.5						
EQT 094 31-93p				< 0.001	< 0.001	< 0.01	0.13	0.13	0.5						
EQT 096 40-96				0.07	0.07	0.3									
EQT 100 56-98b				< 0.001	< 0.001	< 0.01	0.01	0.03	0.06						
EQT 101 56-98c				< 0.001	< 0.001	< 0.01	0.01	0.03	0.06						
EQT 102 56-98d				< 0.001	< 0.001	< 0.01	0.01	0.03	0.06						

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

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Air - Title V Regular Permit Minor Mod

All phases

	Xylene (mixed isomers)			Zinc (and compounds)			n-Hexane		
Subject Item	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 081 29-93p	< 0.001	< 0.001	< 0.01						
EQT 082 29-93q	< 0.001	< 0.001	< 0.01						
EQT 083 29-93t	0.001	0.001	< 0.01						
EQT 084 29-93v	< 0.001	< 0.001	< 0.01						
EQT 085 29-93w									
EQT 086 29-93x									
EQT 087 31-93i	0.01	0.01	0.03				0.004	0.004	0.02
EQT 088 31-93j	0.01	0.01	0.03				0.004	0.004	0.02
EQT 089 31-93k	0.01	0.01	0.03				0.004	0.004	0.02
EQT 090 31-93l	0.002	0.002	0.01				0.002	0.002	0.01
EQT 091 31-93m	0.01	0.01	0.03				0.01	0.01	0.05
EQT 092 31-93n	< 0.001	< 0.001	< 0.01				< 0.001	< 0.001	< 0.01
EQT 093 31-93o	< 0.001	< 0.001	< 0.01				< 0.001	< 0.001	< 0.01
EQT 094 31-93p	< 0.001	< 0.001	< 0.01				< 0.001	< 0.001	< 0.01
EQT 096 40-96	0.02	0.02	0.09				0.7	0.7	3.1
EQT 100 56-98b	< 0.001	< 0.001	< 0.01				< 0.001	< 0.001	< 0.01
EQT 101 56-98c	< 0.001	< 0.001	< 0.01				< 0.001	< 0.001	< 0.01
EQT 102 56-98d	< 0.001	< 0.001	< 0.01				< 0.001	< 0.001	< 0.01

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Air - Title V Regular Permit Minor Mod

All phases

	1,1,1-Trichloroethane			1,1,2-Trichloroethane			1,2,4-Trichlorobenzene			1,2-Dichloropropane			1,3-Butadiene		
Subject Item	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 103 56-98e															
EQT 104 56-98g				< 0.001	< 0.001	< 0.01	< 0.001	< 0.001	< 0.01						
EQT 105 56-98h				< 0.001	< 0.001	< 0.01	< 0.001	< 0.001	< 0.01						
EQT 107 59-00a															
EQT 108 59-00b															
EQT 109 59-00c															
EQT 110 59-00d															
EQT 111 14-93															
EQT 112 15-93															
EQT 113 16-93															
EQT 114 20-01n															
EQT 115 20-01o															
EQT 116 20-01p															
EQT 117 20-93a		0.19									0.02				
EQT 118 20-93b		0.01									0.001				
EQT 119 20-93c															
EQT 120 20-93d															
EQT 121 20-93g															

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

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All phases

	2,2,4-Trimethylpentane			2,3,7,8-Tetrachlorodibenzo-p-Dioxin			Acetaldehyde			Acetophenone			Acrolein		
Subject Item	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 103 56-98e															
EQT 104 56-98g								0.001	< 0.01				< 0.001	< 0.001	< 0.01
EQT 105 56-98h								0.001	< 0.01				< 0.001	< 0.001	< 0.01
EQT 107 59-00a															
EQT 108 59-00b															
EQT 109 59-00c															
EQT 110 59-00d															
EQT 111 14-93								0.21							
EQT 112 15-93								0.05							
EQT 113 16-93								0.05							
EQT 114 20-01n								0.001							
EQT 115 20-01o								0.01						< 0.001	
EQT 116 20-01p								0.01						< 0.001	
EQT 117 20-93a								4.4						0.58	
EQT 118 20-93b								0.18						0.02	
EQT 119 20-93c								0.01							
EQT 120 20-93d								0.01							
EQT 121 20-93g								0.01							

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All phases

	Ammonia			Antimony (and compounds)			Arsenic (and compounds)			Barium (and compounds)			Benzene		
Subject Item	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 103 56-98e															
EQT 104 56-98g													< 0.001	< 0.001	< 0.01
EQT 105 56-98h													< 0.001	< 0.001	< 0.01
EQT 107 59-00a															
EQT 108 59-00b															
EQT 109 59-00c															
EQT 110 59-00d															
EQT 111 14-93															
EQT 112 15-93															
EQT 113 16-93															
EQT 114 20-01n														< 0.001	
EQT 115 20-01o														< 0.001	
EQT 116 20-01p														< 0.001	
EQT 117 20-93a														0.04	
EQT 118 20-93b														0.002	
EQT 119 20-93c														< 0.001	
EQT 120 20-93d														< 0.001	
EQT 121 20-93g														< 0.001	

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All phases

	Beryllium (Table 51.1)			Biphenyl			Cadmium (and compounds)			Carbon disulfide			Chlorinated Dibenzo-P-Dioxins		
Subject Item	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 103 56-98e															
EQT 104 56-98g															
EQT 105 56-98h															
EQT 107 59-00a															
EQT 108 59-00b															
EQT 109 59-00c															
EQT 110 59-00d															
EQT 111 14-93															
EQT 112 15-93															
EQT 113 16-93															
EQT 114 20-01n															
EQT 115 20-01o															
EQT 116 20-01p															
EQT 117 20-93a															
EQT 118 20-93b															
EQT 119 20-93c															
EQT 120 20-93d															
EQT 121 20-93g															

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All phases

	Chlorinated dibenzofurans			Chlorine			Chlorobenzene			Chloroform			Chromium VI (and compounds)		
Subject Item	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 103 56-98a															
EQT 104 56-98g															
EQT 105 56-98h															
EQT 107 59-00a															
EQT 108 59-00b															
EQT 109 59-00c															
EQT 110 59-00d															
EQT 111 14-93															
EQT 112 15-93															
EQT 113 16-93															
EQT 114 20-01n											< 0.001				
EQT 115 20-01o															
EQT 116 20-01p															
EQT 117 20-93a															
EQT 118 20-93b															
EQT 119 20-93c											0.001				
EQT 120 20-93d											0.001				
EQT 121 20-93g											0.001				

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 328 - International Paper Co - Mansfield Mill
Activity Number: PER20070001
Permit Number: 0760-00006-V8
Air - Title V Regular Permit Minor Mod

All phases

	Cobalt compounds			Copper (and compounds)			Cresol			Cumene			Dichloromethane		
Subject Item	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 103 56-98e															
EQT 104 56-98g															
EQT 105 56-98h															
EQT 107 59-00a															
EQT 108 59-00b															
EQT 109 59-00c															
EQT 110 59-00d															
EQT 111 14-93															
EQT 112 15-93															
EQT 113 16-93															
EQT 114 20-01n															
EQT 115 20-01o															
EQT 116 20-01p															
EQT 117 20-93a															
EQT 118 20-93b															
EQT 119 20-93c															
EQT 120 20-93d															
EQT 121 20-93g															

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 328 - International Paper Co - Mansfield Mill
Activity Number: PER20070001
Permit Number: 0760-00006-V8
Air - Title V Regular Permit Minor Mod

All phases

	Ethyl benzene			Ethylene oxide			Formaldehyde			Glycol ethers (Table 51.1)			Hydrochloric acid		
Subject Item	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 103 56-98e															
EQT 104 56-98g															
EQT 105 56-98h															
EQT 107 59-00a															
EQT 108 59-00b															
EQT 109 59-00c															
EQT 110 59-00d															
EQT 111 14-93					< 0.001			0.05							
EQT 112 15-93					< 0.001			0.01							
EQT 113 16-93					< 0.001			0.01							
EQT 114 20-01n															
EQT 115 20-01o								< 0.001							
EQT 116 20-01p								< 0.001							
EQT 117 20-93a								2.3			0.26				
EQT 118 20-93b								0.1			0.01				
EQT 119 20-93c															
EQT 120 20-93d															
EQT 121 20-93g															

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 328 - International Paper Co - Mansfield Mill
Activity Number: PER20070001
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All phases

	Hydrofluoric acid			Hydrogen sulfide			Hydroquinone			Lead compounds			Manganese (and compounds)		
Subject Item	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 103 56-98e															
EQT 104 56-98g				0.001	0.002	< 0.01									
EQT 105 56-98h				0.001	0.002	< 0.01									
EQT 107 59-00a															
EQT 108 59-00b															
EQT 109 59-00c															
EQT 110 59-00d															
EQT 111 14-93															
EQT 112 15-93															
EQT 113 16-93															
EQT 114 20-01n															
EQT 115 20-01o					0.01										
EQT 116 20-01p					0.01										
EQT 117 20-93a															
EQT 118 20-93b															
EQT 119 20-93c															
EQT 120 20-93d															
EQT 121 20-93g															

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 328 - International Paper Co - Mansfield Mill
Activity Number: PER20070001
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Air - Title V Regular Permit Minor Mod

All phases

	Mercury (and compounds)			Methanol			Methyl chloride			Methyl ethyl ketone			Methyl isobutyl ketone		
Subject Item	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 103 56-98e															
EQT 104 56-98g				< 0.001	0.001	< 0.01				< 0.001	< 0.001	< 0.01	< 0.001	< 0.001	< 0.01
EQT 105 56-98h				< 0.001	0.001	< 0.01				< 0.001	< 0.001	< 0.01	< 0.001	< 0.001	< 0.01
EQT 107 59-00a															
EQT 108 59-00b															
EQT 109 59-00c															
EQT 110 59-00d															
EQT 111 14-93					0.45										
EQT 112 15-93					0.1										
EQT 113 16-93					0.1										
EQT 114 20-01n					0.05						0.001			< 0.001	
EQT 115 20-01o					0.24						0.01			0.001	
EQT 116 20-01p					0.24						0.01			0.001	
EQT 117 20-93a					208.4						0.97			0.07	
EQT 118 20-93b					8.7						0.04			0.003	
EQT 119 20-93c					0.32						0.01			0.001	
EQT 120 20-93d					0.51						0.01			0.001	
EQT 121 20-93g					0.44						0.01			0.001	

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AI ID: 328 - International Paper Co - Mansfield Mill
Activity Number: PER20070001
Permit Number: 0760-00006-V8
Air - Title V Regular Permit Minor Mod

All phases

	Naphthalene			Naphthalene (and Methyl napht alenes)			Nickel (and compounds)			Phenol			Polycyclic Organic Matter (PO M)		
Subject Item	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 103 56-98e															
EQT 104 56-98g															
EQT 105 56-98h															
EQT 107 59-00a															
EQT 108 59-00b															
EQT 109 59-00c															
EQT 110 59-00d															
EQT 111 14-93															
EQT 112 15-93															
EQT 113 16-93															
EQT 114 20-01n															
EQT 115 20-01o															
EQT 116 20-01p															
EQT 117 20-93a															
EQT 118 20-93b															
EQT 119 20-93c															
EQT 120 20-93d															
EQT 121 20-93g															

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 328 - International Paper Co - Mansfield Mill
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Air - Title V Regular Permit Minor Mod

All phases

	Polynuclear Aromatic Hydrocarbons			Propionaldehyde			Selenium (and compounds)			Styrene			Sulfuric acid		
Subject Item	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 103 56-98e													< 0.001	< 0.001	< 0.01
EQT 104 56-98g										< 0.001	< 0.001	< 0.01			
EQT 105 56-98h										< 0.001	< 0.001	< 0.01			
EQT 107 59-00a													0.001	0.001	0.01
EQT 108 59-00b													< 0.001	< 0.001	< 0.01
EQT 109 59-00c													< 0.001	< 0.001	< 0.01
EQT 110 59-00d													0.001	0.001	< 0.01
EQT 111 14-93															
EQT 112 15-93															
EQT 113 16-93															
EQT 114 20-01n											< 0.001				
EQT 115 20-01o											0.001				
EQT 116 20-01p											0.001				
EQT 117 20-93a											0.2				
EQT 118 20-93b											0.01				
EQT 119 20-93c											0.001				
EQT 120 20-93d											0.001				
EQT 121 20-93g											0.001				

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

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Air - Title V Regular Permit Minor Mod

All phases

	Tetrachloroethylene			Toluene			Total reduced sulfur			Trichloroethylene			Triethyl amine		
Subject Item	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 103 56-98e															
EQT 104 56-98g				< 0.001	< 0.001	< 0.01	0.001	0.002	0.01						
EQT 105 56-98h				< 0.001	< 0.001	< 0.01	0.001	0.002	0.01						
EQT 107 59-00a															
EQT 108 59-00b															
EQT 109 59-00c															
EQT 110 59-00d															
EQT 111 14-93					0.1										
EQT 112 15-93					0.02										
EQT 113 16-93					0.02										
EQT 114 20-01n					< 0.001			0.01							
EQT 115 20-01o					< 0.001			0.13							
EQT 116 20-01p					< 0.001			0.13							
EQT 117 20-93a					0.04			4.7	17.9					< 0.001	
EQT 118 20-93b					0.002			0.20	0.7					< 0.001	
EQT 119 20-93c					< 0.001			0.06							
EQT 120 20-93d					0.001			0.1							
EQT 121 20-93g					0.001			0.08							

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

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Air - Title V Regular Permit Minor Mod

All phases

	Xylene (mixed isomers)			Zinc (and compounds)			n-Hexane		
Subject Item	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 103 56-98e									
EQT 104 56-98g	< 0.001	< 0.001	< 0.01				< 0.001	< 0.001	< 0.01
EQT 105 56-98h	< 0.001	< 0.001	< 0.01				< 0.001	< 0.001	< 0.01
EQT 107 59-00a									
EQT 108 59-00b									
EQT 109 59-00c									
EQT 110 59-00d									
EQT 111 14-93									
EQT 112 15-93									
EQT 113 16-93									
EQT 114 20-01n		< 0.001						< 0.001	
EQT 115 20-01o		< 0.001						< 0.001	
EQT 116 20-01p		< 0.001						< 0.001	
EQT 117 20-93a		0.13						0.04	
EQT 118 20-93b		0.01						0.002	
EQT 119 20-93c		< 0.001						< 0.001	
EQT 120 20-93d		0.001						< 0.001	
EQT 121 20-93g		0.001						< 0.001	

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

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Air - Title V Regular Permit Minor Mod

All phases

	1,1,1-Trichloroethane			1,1,2-Trichloroethane			1,2,4-Trichlorobenzene			1,2-Dichloropropane			1,3-Butadiene		
Subject Item	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 122 20-93k															
EQT 123 20-93l															
EQT 124 20-93m															
EQT 125 21-04k															
EQT 126 21-93a		0.14									0.01				
EQT 127 21-93b		0.01									0.001				
EQT 128 21-93c															
EQT 129 21-93d															
EQT 130 21-93f															
EQT 131 21-93i															
EQT 132 21-93j															
EQT 133 22-01n															
EQT 134 22-01o															
EQT 135 22-93a		0.14									0.01				
EQT 136 22-93c		0.01									0.001				
EQT 137 22-93d															
EQT 138 22-93g															
EQT 139 22-93k															

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

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Air - Title V Regular Permit Minor Mod

All phases

	2,2,4-Trimethylpentane			2,3,7,8-Tetrachlorodibenzo-p-Dioxin			Acetaldehyde			Acetophenone			Acrolein		
Subject Item	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 122 20-93k								0.01						< 0.001	
EQT 123 20-93l								0.01						< 0.001	
EQT 124 20-93m								0.01						< 0.001	
EQT 125 21-04k								0.01						< 0.001	
EQT 126 21-93a								3.2						0.43	
EQT 127 21-93b								0.13						0.02	
EQT 128 21-93c								0.003							
EQT 129 21-93d								0.01							
EQT 130 21-93f								0.005							
EQT 131 21-93i								0.01					< 0.001		
EQT 132 21-93j								0.01						< 0.001	
EQT 133 22-01n								0.01						< 0.001	
EQT 134 22-01o								0.01						< 0.001	
EQT 135 22-93a								3.1						0.41	
EQT 136 22-93c								0.13						0.02	
EQT 137 22-93d								0.004							
EQT 138 22-93g								0.001							
EQT 139 22-93k								0.01							

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All phases

	Ammonia			Antimony (and compounds)			Arsenic (and compounds)			Barium (and compounds)			Benzene		
Subject Item	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 122 20-93k														< 0.001	
EQT 123 20-93l														< 0.001	
EQT 124 20-93m														< 0.001	
EQT 125 21-04k														< 0.001	
EQT 126 21-93a														0.03	
EQT 127 21-93b														0.001	
EQT 128 21-93c														< 0.001	
EQT 129 21-93d														< 0.001	
EQT 130 21-93f														< 0.001	
EQT 131 21-93i														< 0.001	
EQT 132 21-93j														< 0.001	
EQT 133 22-01n														< 0.001	
EQT 134 22-01o														< 0.001	
EQT 135 22-93a														0.03	
EQT 136 22-93c														0.001	
EQT 137 22-93d														< 0.001	
EQT 138 22-93g														< 0.001	
EQT 139 22-93k														< 0.001	

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All phases

	Beryllium (Table 51.1)			Biphenyl			Cadmium (and compounds)			Carbon disulfide			Chlorinated Dibenzo-P-Dioxins		
Subject Item	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 122 20-93k															
EQT 123 20-93l															
EQT 124 20-93m															
EQT 125 21-04k															
EQT 126 21-93a															
EQT 127 21-93b															
EQT 128 21-93c															
EQT 129 21-93d															
EQT 130 21-93f															
EQT 131 21-93i															
EQT 132 21-93j															
EQT 133 22-01n															
EQT 134 22-01o															
EQT 135 22-93a															
EQT 136 22-93c															
EQT 137 22-93d															
EQT 138 22-93g															
EQT 139 22-93k															

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All phases

	Chlorinated dibenzofurans			Chlorine			Chlorobenzene			Chloroform			Chromium VI (and compounds)		
Subject Item	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 122 20-93k															
EQT 123 20-93l															
EQT 124 20-93m															
EQT 125 21-04k															
EQT 126 21-93a															
EQT 127 21-93b															
EQT 128 21-93c											< 0.001				
EQT 129 21-93d											0.001				
EQT 130 21-93f											0.001				
EQT 131 21-93i															
EQT 132 21-93j															
EQT 133 22-01n															
EQT 134 22-01o															
EQT 135 22-93a															
EQT 136 22-93c															
EQT 137 22-93d											< 0.001				
EQT 138 22-93g											< 0.001				
EQT 139 22-93k											0.001				

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All phases

	Cobalt compounds			Copper (and compounds)			Cresol			Cumene			Dichloromethane		
Subject Item	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 122 20-93k															
EQT 123 20-93l															
EQT 124 20-93m															
EQT 125 21-04k															
EQT 126 21-93a															
EQT 127 21-93b															
EQT 128 21-93c															
EQT 129 21-93d															
EQT 130 21-93f															
EQT 131 21-93i															
EQT 132 21-93j															
EQT 133 22-01n															
EQT 134 22-01o															
EQT 135 22-93a															
EQT 136 22-93c															
EQT 137 22-93d															
EQT 138 22-93g															
EQT 139 22-93k															

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All phases

	Ethyl benzene			Ethylene oxide			Formaldehyde			Glycol ethers (Table 51.1)			Hydrochloric acid		
Subject Item	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 122 20-93k								< 0.001							
EQT 123 20-93l								< 0.001							
EQT 124 20-93m								< 0.001							
EQT 125 21-04k								< 0.001							
EQT 126 21-93a								1.7			0.19				
EQT 127 21-93b								0.07			0.01				
EQT 128 21-93c															
EQT 129 21-93d															
EQT 130 21-93f															
EQT 131 21-93i								< 0.001							
EQT 132 21-93j								< 0.001							
EQT 133 22-01n								< 0.001							
EQT 134 22-01o								< 0.001							
EQT 135 22-93a								1.7			0.19				
EQT 136 22-93c								0.07			0.01				
EQT 137 22-93d															
EQT 138 22-93g															
EQT 139 22-93k															

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All phases

	Hydrofluoric acid			Hydrogen sulfide			Hydroquinone			Lead compounds			Manganese (and compounds)		
Subject Item	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 122 20-93k					0.01										
EQT 123 20-93l					0.01										
EQT 124 20-93m					0.01										
EQT 125 21-04k					0.01										
EQT 126 21-93a															
EQT 127 21-93b															
EQT 128 21-93c															
EQT 129 21-93d															
EQT 130 21-93f															
EQT 131 21-93i					0.01										
EQT 132 21-93j					0.01										
EQT 133 22-01n					0.01										
EQT 134 22-01o					0.01										
EQT 135 22-93a															
EQT 136 22-93c															
EQT 137 22-93d															
EQT 138 22-93g															
EQT 139 22-93k															

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Air - Title V Regular Permit Minor Mod

All phases

	Mercury (and compounds)			Methanol			Methyl chloride			Methyl ethyl ketone			Methyl isobutyl ketone		
Subject Item	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 122 20-93k					0.24						0.01			0.001	
EQT 123 20-93l					0.24						0.01			0.001	
EQT 124 20-93m					0.24						0.01			0.001	
EQT 125 21-04k					0.24						0.01			0.001	
EQT 126 21-93a					154						0.72			0.05	
EQT 127 21-93b					6.4						0.03			0.002	
EQT 128 21-93c					0.18						0.004			< 0.001	
EQT 129 21-93d					0.41						0.01			0.001	
EQT 130 21-93f					0.3						0.01			< 0.001	
EQT 131 21-93i					0.24						0.01			0.001	
EQT 132 21-93j					0.24						0.01			0.001	
EQT 133 22-01n					0.24						0.01			0.001	
EQT 134 22-01o					0.24						0.01			0.001	
EQT 135 22-93a					148.7						0.69			0.05	
EQT 136 22-93c					6.2						0.03			0.002	
EQT 137 22-93d					0.28						0.01			< 0.001	
EQT 138 22-93g					0.05						0.001			< 0.001	
EQT 139 22-93k					0.87						0.02			0.001	

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 328 - International Paper Co - Mansfield Mill
Activity Number: PER20070001
Permit Number: 0760-00006-V8
Air - Title V Regular Permit Minor Mod

All phases

	Naphthalene			Naphthalene (and Methyl naphthalenes)			Nickel (and compounds)			Phenol			Polycyclic Organic Matter (POM)		
Subject Item	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 122 20-93k															
EQT 123 20-93l															
EQT 124 20-93m															
EQT 125 21-04k															
EQT 126 21-93a															
EQT 127 21-93b															
EQT 128 21-93c															
EQT 129 21-93d															
EQT 130 21-93f															
EQT 131 21-93i															
EQT 132 21-93j															
EQT 133 22-01n															
EQT 134 22-01o															
EQT 135 22-93a															
EQT 136 22-93c															
EQT 137 22-93d															
EQT 138 22-93g															
EQT 139 22-93k															

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 328 - International Paper Co - Mansfield Mill
Activity Number: PER20070001
Permit Number: 0760-00006-V8
Air - Title V Regular Permit Minor Mod

All phases

	Polynuclear Aromatic Hydrocarbons			Propionaldehyde			Selenium (and compounds)			Styrene			Sulfuric acid		
Subject Item	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 122 20-93k											0.001				
EQT 123 20-93l											0.001				
EQT 124 20-93m											0.001				
EQT 125 21-04k											0.001				
EQT 126 21-93a											0.15				
EQT 127 21-93b											0.01				
EQT 128 21-93c											< 0.001				
EQT 129 21-93d											0.001				
EQT 130 21-93f											0.001				
EQT 131 21-93i											0.001				
EQT 132 21-93j											0.001				
EQT 133 22-01n											0.001				
EQT 134 22-01o											0.001				
EQT 135 22-93a											0.14				
EQT 136 22-93c											0.01				
EQT 137 22-93d											0.002				
EQT 138 22-93g											< 0.001				
EQT 139 22-93k											0.002				

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 328 - International Paper Co - Mansfield Mill
Activity Number: PER20070001
Permit Number: 0760-00006-V8
Air - Title V Regular Permit Minor Mod

All phases

	Tetrachloroethylene			Toluene			Total reduced sulfur			Trichloroethylene			Triethyl amine		
Subject Item	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 122 20-93k					< 0.001			0.13							
EQT 123 20-93l					< 0.001			0.13							
EQT 124 20-93m					< 0.001			0.13							
EQT 125 21-04k					< 0.001			0.13							
EQT 126 21-93a					0.03			3.5	13.2					< 0.001	
EQT 127 21-93b					0.001			0.15	0.6					< 0.001	
EQT 128 21-93c					< 0.001			0.03							
EQT 129 21-93d					< 0.001			0.08							
EQT 130 21-93f					< 0.001			0.06							
EQT 131 21-93i					< 0.001			0.13							
EQT 132 21-93j					< 0.001			0.13							
EQT 133 22-01n					< 0.001			0.13							
EQT 134 22-01o					< 0.001			0.13							
EQT 135 22-93a					0.03			3.4	14.8					< 0.001	
EQT 136 22-93c					0.001			0.14	0.6					< 0.001	
EQT 137 22-93d					0.001			0.05							
EQT 138 22-93g					< 0.001			0.01							
EQT 139 22-93k					0.001			0.17							

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 328 - International Paper Co - Mansfield Mill
Activity Number: PER20070001
Permit Number: 0760-00006-V8
Air - Title V Regular Permit Minor Mod

All phases

	Xylene (mixed isomers)			Zinc (and compounds)			n-Hexane		
Subject Item	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 122 20-93k		< 0.001						< 0.001	
EQT 123 20-93l		< 0.001						< 0.001	
EQT 124 20-93m		< 0.001						< 0.001	
EQT 125 21-04k		< 0.001						< 0.001	
EQT 126 21-93a		0.1						0.03	
EQT 127 21-93b		0.004						0.001	
EQT 128 21-93c		< 0.001						< 0.001	
EQT 129 21-93d		0.001						< 0.001	
EQT 130 21-93f		< 0.001						< 0.001	
EQT 131 21-93i		< 0.001						< 0.001	
EQT 132 21-93j		< 0.001						< 0.001	
EQT 133 22-01n		< 0.001						< 0.001	
EQT 134 22-01o		< 0.001						< 0.001	
EQT 135 22-93a		0.09						0.03	
EQT 136 22-93c		0.004						0.001	
EQT 137 22-93d		0.001						< 0.001	
EQT 138 22-93g		< 0.001						< 0.001	
EQT 139 22-93k		0.001						0.001	

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 328 - International Paper Co - Mansfield Mill
Activity Number: PER20070001
Permit Number: 0760-00006-V8
Air - Title V Regular Permit Minor Mod

All phases

	1,1,1-Trichloroethane			1,1,2-Trichloroethane			1,2,4-Trichlorobenzene			1,2-Dichloropropane			1,3-Butadiene		
Subject Item	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 140 22-93m															
EQT 142 29-93e															
EQT 143 29-93f															
EQT 144 29-93g															
EQT 145 29-93h															
EQT 146 29-93i															
EQT 147 29-93r															
EQT 148 29-93s															
EQT 149 29-93u															
EQT 150 30-93a															
EQT 151 30-93b															
EQT 152 60-00															
EQT 153 63-04															
EQT 154 64-04															
EQT 183 22-93e															
EQT 186 65-05													< 0.001	< 0.01	< 0.001
EQT 187 66-05													< 0.001	< 0.001	< 0.01
FUG 006 54-96															

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 328 - International Paper Co - Mansfield Mill
Activity Number: PER20070001
Permit Number: 0760-00006-V8
Air - Title V Regular Permit Minor Mod

All phases

	2,2,4-Trimethylpentane			2,3,7,8-Tetrachlorodibenzo-p-Dioxin			Acetaldehyde			Acetophenone			Acrolein		
Subject Item	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 140 22-93m								0.01						< 0.001	
EQT 142 29-93e							0.002	0.003	0.01				< 0.001	< 0.001	< 0.01
EQT 143 29-93f							0.02	0.03	0.09				< 0.001	0.001	< 0.01
EQT 144 29-93g							0.02	0.03	0.09				< 0.001	0.001	< 0.01
EQT 145 29-93h							0.02	0.03	0.09				< 0.001	0.001	< 0.01
EQT 146 29-93i							0.02	0.03	0.09				< 0.001	0.001	< 0.01
EQT 147 29-93r							0.002	0.003	0.01				< 0.001	< 0.001	< 0.01
EQT 148 29-93s							0.002	0.003	0.01				< 0.001	< 0.001	< 0.01
EQT 149 29-93u							0.03	0.05	0.13				0.002	0.003	0.01
EQT 150 30-93a							0.01	0.01	0.04				0.001	0.001	0.01
EQT 151 30-93b							0.01	0.01	0.04				< 0.001	< 0.001	< 0.01
EQT 152 60-00							0.001	0.01	0.01				< 0.001	< 0.001	< 0.01
EQT 153 63-04								0.05							
EQT 154 64-04								0.05							
EQT 183 22-93e								0.01							
EQT 186 65-05							0.001	0.001	< 0.01				< 0.001	< 0.001	< 0.01
EQT 187 66-05							0.001	0.001	< 0.01				< 0.001	< 0.001	< 0.01
FUG 006 54-96															

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 328 - International Paper Co - Mansfield Mill
Activity Number: PER20070001
Permit Number: 0760-00006-V8
Air - Title V Regular Permit Minor Mod

All phases

	Ammonia			Antimony (and compounds)			Arsenic (and compounds)			Barium (and compounds)			Benzene		
Subject Item	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 140 22-93m														< 0.001	
EQT 142 29-93e													0.001	< 0.001	< 0.01
EQT 143 29-93f	3.2	4.8	14.0										< 0.001	< 0.001	< 0.01
EQT 144 29-93g	3.2	4.8	14.0										< 0.001	< 0.001	< 0.01
EQT 145 29-93h	3.2	4.8	14.0										< 0.001	< 0.001	< 0.01
EQT 146 29-93i	3.2	4.8	14.0										< 0.001	< 0.001	< 0.01
EQT 147 29-93r													< 0.001	< 0.001	< 0.01
EQT 148 29-93s													< 0.001	< 0.001	< 0.01
EQT 149 29-93u													< 0.001	0.001	< 0.01
EQT 150 30-93a													< 0.001	< 0.001	< 0.01
EQT 151 30-93b													< 0.001	< 0.001	< 0.01
EQT 152 60-00													< 0.001	< 0.001	< 0.01
EQT 153 63-04															
EQT 154 64-04															
EQT 183 22-93e														< 0.001	
EQT 186 65-05													0.002	0.002	< 0.01
EQT 187 66-05													0.001	0.001	< 0.01
FUG 006 54-96															

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 328 - International Paper Co - Mansfield Mill
Activity Number: PER20070001
Permit Number: 0760-00006-V8
Air - Title V Regular Permit Minor Mod

All phases

	Beryllium (Table 51.1)			Biphenyl			Cadmium (and compounds)			Carbon disulfide			Chlorinated Dibenzo-P-Dioxins		
Subject Item	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 140 22-93m															
EQT 142 29-93e															
EQT 143 29-93f															
EQT 144 29-93g															
EQT 145 29-93h															
EQT 146 29-93i															
EQT 147 29-93r															
EQT 148 29-93s															
EQT 149 29-93u															
EQT 150 30-93a															
EQT 151 30-93b															
EQT 152 60-00															
EQT 153 63-04															
EQT 154 64-04															
EQT 183 22-93e															
EQT 186 65-05															
EQT 187 66-05															
FUG 006 54-96															

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 328 - International Paper Co - Mansfield Mill
Activity Number: PER20070001
Permit Number: 0760-00006-V8
Air - Title V Regular Permit Minor Mod

All phases

	Chlorinated dibenzofurans			Chlorine			Chlorobenzene			Chloroform			Chromium VI (and compounds)		
Subject Item	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 140 22-93m															
EQT 142 29-93e															
EQT 143 29-93f															
EQT 144 29-93g															
EQT 145 29-93h															
EQT 146 29-93i															
EQT 147 29-93r															
EQT 148 29-93s															
EQT 149 29-93u															
EQT 150 30-93a															
EQT 151 30-93b															
EQT 152 60-00										< 0.001	< 0.001	< 0.01			
EQT 153 63-04															
EQT 154 64-04															
EQT 183 22-93e											0.001				
EQT 186 65-05															
EQT 187 66-05															
FUG 006 54-96															

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 328 - International Paper Co - Mansfield Mill
Activity Number: PER20070001
Permit Number: 0760-00006-V8
Air - Title V Regular Permit Minor Mod

All phases

	Cobalt compounds			Copper (and compounds)			Cresol			Cumene			Dichloromethane		
Subject Item	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 140 22-93m															
EQT 142 29-93e															
EQT 143 29-93f															
EQT 144 29-93g															
EQT 145 29-93h															
EQT 146 29-93i															
EQT 147 29-93r															
EQT 148 29-93s															
EQT 149 29-93u															
EQT 150 30-93a															
EQT 151 30-93b															
EQT 152 60-00															
EQT 153 63-04															
EQT 154 64-04															
EQT 183 22-93e															
EQT 186 65-05															
EQT 187 66-05															
FUG 006 54-96															

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 328 - International Paper Co - Mansfield Mill
Activity Number: PER20070001
Permit Number: 0760-00006-V8
Air - Title V Regular Permit Minor Mod

All phases

	Ethyl benzene			Ethylene oxide			Formaldehyde			Glycol ethers (Table 51.1)			Hydrochloric acid		
Subject Item	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 140 22-93m								< 0.001							
EQT 142 29-93e															
EQT 143 29-93f							< 0.001	< 0.001	< 0.01						
EQT 144 29-93g							< 0.001	< 0.001	< 0.01						
EQT 145 29-93h							< 0.001	< 0.001	< 0.01						
EQT 146 29-93i							< 0.001	< 0.001	< 0.01						
EQT 147 29-93r							0.001	0.002	< 0.01						
EQT 148 29-93s							0.001	0.002	< 0.01						
EQT 149 29-93u							0.01	0.01	0.04						
EQT 150 30-93a							0.04	0.04	0.18						
EQT 151 30-93b							0.04	0.04	0.18						
EQT 152 60-00							< 0.001	< 0.001	< 0.01						
EQT 153 63-04					< 0.001			0.01							
EQT 154 64-04					< 0.001			0.01							
EQT 183 22-93e															
EQT 186 65-05							0.002	0.002	< 0.01						
EQT 187 66-05							0.001	0.001	< 0.01						
FUG 006 54-96	0.07	0.07	0.33												

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 328 - International Paper Co - Mansfield Mill
Activity Number: PER20070001
Permit Number: 0760-00006-V8
Air - Title V Regular Permit Minor Mod

All phases

	Hydrofluoric acid			Hydrogen sulfide			Hydroquinone			Lead compounds			Manganese (and compounds)		
Subject Item	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 140 22-93m					0.01										
EQT 142 29-93e				0.01	0.01	0.04									
EQT 143 29-93f				< 0.001	< 0.001	< 0.01									
EQT 144 29-93g				< 0.001	< 0.001	< 0.01									
EQT 145 29-93h				< 0.001	< 0.001	< 0.01									
EQT 146 29-93i				< 0.001	< 0.001	< 0.01									
EQT 147 29-93r				0.01	0.02	0.06									
EQT 148 29-93s				0.01	0.02	0.06									
EQT 149 29-93u				0.06	0.08	0.24									
EQT 150 30-93a				0.72	0.72	3.2									
EQT 151 30-93b				2.0	2.0	8.7									
EQT 152 60-00				0.001	0.001	< 0.01									
EQT 153 63-04															
EQT 154 64-04															
EQT 183 22-93e															
EQT 186 65-05															
EQT 187 66-05															
FUG 006 54-96															

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 328 - International Paper Co - Mansfield Mill
Activity Number: PER20070001
Permit Number: 0760-00006-V8
Air - Title V Regular Permit Minor Mod

All phases

	Mercury (and compounds)			Methanol			Methyl chloride			Methyl ethyl ketone			Methyl isobutyl ketone		
Subject Item	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 140 22-93m					0.24						0.01			0.001	
EQT 142 29-93e				2.6	3.9	11.4				0.004	0.01	0.02	< 0.001	< 0.001	< 0.01
EQT 143 29-93f				0.01	0.02	0.05				< 0.001	< 0.001	< 0.01	< 0.001	< 0.001	< 0.01
EQT 144 29-93g				0.01	0.02	0.05				< 0.001	< 0.001	< 0.01	< 0.001	< 0.001	< 0.01
EQT 145 29-93h				0.01	0.02	0.05				< 0.001	< 0.001	< 0.01	< 0.001	< 0.001	< 0.01
EQT 146 29-93i				0.01	0.02	0.05				< 0.001	< 0.001	< 0.01	< 0.001	< 0.001	< 0.01
EQT 147 29-93r				0.93	1.4	4.1				0.003	0.004	0.01	< 0.001	< 0.001	< 0.01
EQT 148 29-93s				0.93	1.4	4.1				0.003	0.004	0.01	< 0.001	< 0.001	< 0.01
EQT 149 29-93u				1.1	1.7	5.0				0.02	0.03	0.10	0.005	0.01	0.02
EQT 150 30-93a				2.0	2.0	9.0				0.03	0.03	0.15	0.001	0.001	0.01
EQT 151 30-93b				2.0	2.0	8.9				0.01	0.01	0.06	0.001	0.001	< 0.01
EQT 152 60-00				0.08	0.24	0.37				0.02	0.01	0.01	< 0.001	0.001	< 0.01
EQT 153 63-04					0.10										
EQT 154 64-04					0.10										
EQT 183 22-93e					0.64						0.01			0.001	
EQT 186 65-05															
EQT 187 66-05															
FUG 006 54-96										0.01	0.01	0.03	0.01	0.01	0.03

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 328 - International Paper Co - Mansfield Mill
Activity Number: PER20070001
Permit Number: 0760-00006-V8
Air - Title V Regular Permit Minor Mod

All phases

	Naphthalene			Naphthalene (and Methyl napht alenes)			Nickel (and compounds)			Phenol			Polycyclic Organic Matter (PO M)		
Subject Item	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 140 22-93m															
EQT 142 29-93e															
EQT 143 29-93f															
EQT 144 29-93g															
EQT 145 29-93h															
EQT 146 29-93i															
EQT 147 29-93r															
EQT 148 29-93s															
EQT 149 29-93u															
EQT 150 30-93a															
EQT 151 30-93b															
EQT 152 60-00															
EQT 153 63-04															
EQT 154 64-04															
EQT 183 22-93e															
EQT 186 65-05	< 0.001	< 0.001	< 0.01										< 0.001	< 0.001	< 0.01
EQT 187 66-05	< 0.001	< 0.001	< 0.01										< 0.001	< 0.001	< 0.01
FUG 006 54-96															

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 328 - International Paper Co - Mansfield Mill
Activity Number: PER20070001
Permit Number: 0760-00006-V8
Air - Title V Regular Permit Minor Mod

All phases

	Polynuclear Aromatic Hydrocarbons			Propionaldehyde			Selenium (and compounds)			Styrene			Sulfuric acid		
Subject Item	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 140 22-93m											0.001				
EQT 142 29-93e										0.002	0.003	0.01			
EQT 143 29-93f										< 0.001	0.001	< 0.01			
EQT 144 29-93g										< 0.001	0.001	< 0.01			
EQT 145 29-93h										< 0.001	0.001	< 0.01			
EQT 146 29-93i										< 0.001	0.001	< 0.01			
EQT 147 29-93r										0.001	0.001	< 0.01			
EQT 148 29-93s										0.001	0.001	< 0.01			
EQT 149 29-93u										0.002	0.002	0.01			
EQT 150 30-93a				0.003	0.003	0.01				< 0.001	< 0.001	< 0.01			
EQT 151 30-93b				0.01	0.01	0.04				0.001	0.001	< 0.01			
EQT 152 60-00										< 0.001	0.001	< 0.01			
EQT 153 63-04															
EQT 154 64-04															
EQT 183 22-93e											0.002				
EQT 186 65-05	< 0.001	< 0.001	< 0.01												
EQT 187 66-05	< 0.001	< 0.001	< 0.01												
FUG 006 54-96															

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 328 - International Paper Co - Mansfield Mill
Activity Number: PER20070001
Permit Number: 0760-00006-V8
Air - Title V Regular Permit Minor Mod

All phases

	Tetrachloroethylene			Toluene			Total reduced sulfur			Trichloroethylene			Triethyl amine		
Subject Item	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 140 22-93m					< 0.001			0.13							
EQT 142 29-93e				< 0.001	< 0.001	< 0.01	0.02	0.03	0.09						
EQT 143 29-93f							0.001	0.001	< 0.01						
EQT 144 29-93g							0.001	0.001	< 0.01						
EQT 145 29-93h							0.001	0.001	< 0.01						
EQT 146 29-93i							0.001	0.001	< 0.01						
EQT 147 29-93r				< 0.001	< 0.001	< 0.01	0.03	0.04	0.1						
EQT 148 29-93s				< 0.001	< 0.001	< 0.01	0.03	0.04	0.1						
EQT 149 29-93u				0.004	0.01	0.02	0.11	0.16	0.48						
EQT 150 30-93a				0.003	0.003	0.01	0.75	0.75	3.3						
EQT 151 30-93b				0.001	< 0.001	< 0.01	2.1	2.1	9.1						
EQT 152 60-00				< 0.001	< 0.001	< 0.01	0.02	0.13	0.10						
EQT 153 63-04					0.02										
EQT 154 64-04					0.02										
EQT 183 22-93e					0.001			0.12							
EQT 186 65-05				0.001	0.001	< 0.01									
EQT 187 66-05				< 0.001	< 0.001	< 0.01									
FUG 006 54-96				0.07	0.07	0.31									

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 328 - International Paper Co - Mansfield Mill
Activity Number: PER20070001
Permit Number: 0760-00006-V8
Air - Title V Regular Permit Minor Mod

All phases

	Xylene (mixed isomers)			Zinc (and compounds)			n-Hexane		
Subject Item	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 140 22-93m		< 0.001						< 0.001	
EQT 142 29-93e	0.004	0.01	0.02				< 0.001	< 0.001	< 0.01
EQT 143 29-93f	< 0.001	< 0.001	< 0.01						
EQT 144 29-93g	< 0.001	< 0.001	< 0.01						
EQT 145 29-93h	< 0.001	< 0.001	< 0.01						
EQT 146 29-93i	< 0.001	< 0.001	< 0.01						
EQT 147 29-93r	< 0.001	< 0.001	< 0.01						
EQT 148 29-93s	< 0.001	< 0.001	< 0.01						
EQT 149 29-93u	0.004	0.01	0.02						
EQT 150 30-93a	0.002	0.002	0.01				0.002	0.002	0.01
EQT 151 30-93b	0.002	0.002	0.01				< 0.001	< 0.001	< 0.01
EQT 152 60-00	< 0.001	< 0.001	< 0.01				< 0.001	< 0.001	< 0.01
EQT 153 63-04									
EQT 154 64-04									
EQT 183 22-93e		0.001						< 0.001	
EQT 186 65-05	0.001	0.001	< 0.01						
EQT 187 66-05	< 0.001	< 0.001	< 0.01						
FUG 006 54-96	0.30	0.30	1.3						

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 328 - International Paper Co - Mansfield Mill
Activity Number: PER20070001
Permit Number: 0760-00006-V8
Air - Title V Regular Permit Minor Mod

All phases

	1,1,1-Trichloroethane			1,1,2-Trichloroethane			1,2,4-Trichlorobenzene			1,2-Dichloropropane			1,3-Butadiene		
Subject Item	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
GRP 002	0.30		1.3							0.01		0.06			
GRP 010															

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 328 - International Paper Co - Mansfield Mill
Activity Number: PER20070001
Permit Number: 0760-00006-V8
Air - Title V Regular Permit Minor Mod

All phases

	2,2,4-Trimethylpentane			2,3,7,8-Tetrachlorodibenzo-p-Dioxin			Acetaldehyde			Acetophenone			Acrolein		
Subject Item	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
GRP 002							8.2		36.1				0.90		3.9
GRP 010															

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 328 - International Paper Co - Mansfield Mill
Activity Number: PER20070001
Permit Number: 0760-00006-V8
Air - Title V Regular Permit Minor Mod

All phases

	Ammonia			Antimony (and compounds)			Arsenic (and compounds)			Barium (and compounds)			Benzene		
Subject Item	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
GRP 002													0.07		0.30
GRP 010															

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 328 - International Paper Co - Mansfield Mill
Activity Number: PER20070001
Permit Number: 0760-00006-V8
Air - Title V Regular Permit Minor Mod

All phases

	Beryllium (Table 51.1)			Biphenyl			Cadmium (and compounds)			Carbon disulfide			Chlorinated Dibenzo-P-Dioxins		
Subject Item	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
GRP 002															
GRP 010															

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 328 - International Paper Co - Mansfield Mill
Activity Number: PER20070001
Permit Number: 0760-00006-V8
Air - Title V Regular Permit Minor Mod

All phases

	Chlorinated dibenzofurans			Chlorine			Chlorobenzene			Chloroform			Chromium VI (and compounds)		
Subject Item	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
GRP 002										0.01		0.03			
GRP 010															

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 328 - International Paper Co - Mansfield Mill
Activity Number: PER20070001
Permit Number: 0760-00006-V8
Air - Title V Regular Permit Minor Mod

All phases

	Cobalt compounds			Copper (and compounds)			Cresol			Cumene			Dichloromethane		
Subject Item	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
GRP 002															
GRP 010															

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 328 - International Paper Co - Mansfield Mill
Activity Number: PER20070001
Permit Number: 0760-00006-V8
Air - Title V Regular Permit Minor Mod

All phases

	Ethyl benzene			Ethylene oxide			Formaldehyde			Glycol ethers (Table 51.1)			Hydrochloric acid		
Subject Item	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
GRP 002				< 0.001		< 0.01	4.4		19.4	0.41		1.8			
GRP 010															

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 328 - International Paper Co - Mansfield Mill
Activity Number: PER20070001
Permit Number: 0760-00006-V8
Air - Title V Regular Permit Minor Mod

All phases

	Hydrofluoric acid			Hydrogen sulfide			Hydroquinone			Lead compounds			Manganese (and compounds)		
Subject Item	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
GRP 002				0.11		0.47									
GRP 010															

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 328 - International Paper Co - Mansfield Mill
Activity Number: PER20070001
Permit Number: 0760-00006-V8
Air - Title V Regular Permit Minor Mod

All phases

	Mercury (and compounds)			Methanol			Methyl chloride			Methyl ethyl ketone			Methyl isobutyl ketone		
Subject Item	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
GRP 002				335.0		1467.4				1.7		7.3	0.14		0.59
GRP 010															

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 328 - International Paper Co - Mansfield Mill
Activity Number: PER20070001
Permit Number: 0760-00006-V8
Air - Title V Regular Permit Minor Mod

All phases

	Naphthalene			Naphthalene (and Methyl napht alenes)			Nickel (and compounds)			Phenol			Polycyclic Organic Matter (PO M)		
Subject Item	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
GRP 002															
GRP 010															

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 328 - International Paper Co - Mansfield Mill
Activity Number: PER20070001
Permit Number: 0760-00006-V8
Air - Title V Regular Permit Minor Mod

All phases

	Polynuclear Aromatic Hydrocar bons			Propionaldehyde			Selenium (and compounds)			Styrene			Sulfuric acid		
Subject Item	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
GRP 002										0.33		1.5			
GRP 010															

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 328 - International Paper Co - Mansfield Mill
Activity Number: PER20070001
Permit Number: 0760-00006-V8
Air - Title V Regular Permit Minor Mod

All phases

	Tetrachloroethylene			Toluene			Total reduced sulfur			Trichloroethylene			Triethyl amine		
Subject Item	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
GRP 002				0.26		1.1	9.4		41.3				< 0.001		< 0.01
GRP 010								0.22							

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 328 - International Paper Co - Mansfield Mill
Activity Number: PER20070001
Permit Number: 0760-00006-V8
Air - Title V Regular Permit Minor Mod

All phases

	Xylene (mixed isomers)			Zinc (and compounds)			n-Hexane		
Subject Item	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
GRP 002	0.22		0.95				0.07		0.31
GRP 010									

Note: Emission rates in bold are from alternate scenarios and are not included in permitted totals

Permit Parameter Totals:

1,1,1-Trichloroethane: 1.88 tons/yr
1,1,2-Trichloroethane: 0.03 tons/yr
1,2,4-Trichlorobenzene: 6.2 tons/yr
1,2-Dichloropropane: 0.06 tons/yr
1,3-Butadiene: <0.01 tons/yr
2,2,4-Trimethylpentane: <0.01 tons/yr
2,3,7,8-Tetrachlorodibenzo-p-Dioxin: <0.0001 tons/yr
Acetaldehyde: 58.69 tons/yr
Acetophenone: 0.10 tons/yr
Acrolein: 4.69 tons/yr
Ammonia: 184.87 tons/yr
Antimony (and compounds): 0.22 tons/yr
Arsenic (and compounds): 0.10 tons/yr
Barium (and compounds): 45.27 tons/yr
Benzene: 4.35 tons/yr
Beryllium (Table 51.1): 0.62 tons/yr
Biphenyl: <0.01 tons/yr
Cadmium (and compounds): 0.04 tons/yr
Carbon disulfide: 1.03 tons/yr
Chlorinated Dibenzo-P-Dioxins: <0.0001 tons/yr
Chlorinated dibenzofurans: <0.0001 tons/yr
Chlorine: 0.56 tons/yr
Chlorobenzene: <0.01 tons/yr
Chloroform: 0.38 tons/yr

All phases

Chromium VI (and compounds): 0.05 tons/yr
Cobalt compounds: 1.28 tons/yr
Copper (and compounds): 2.63 tons/yr
Cresol: <0.01 tons/yr
Cumene: 4.16 tons/yr
Dichloromethane: 180.14 tons/yr
Ethyl benzene: 0.39 tons/yr
Ethylene oxide: <0.001 tons/yr
Formaldehyde: 33.37 tons/yr
Glycol ethers (Table 51.1): 1.80 tons/yr
Hydrochloric acid: 318.40 tons/yr
Hydrofluoric acid: 34.06 tons/yr
Hydrogen sulfide: 124.84 tons/yr
Hydroquinone: 0.05 tons/yr
Lead compounds: 0.42 tons/yr
Manganese (and compounds): 36.87 tons/yr
Mercury (and compounds): 0.16 tons/yr
Methanol: 2976.69 tons/yr
Methyl chloride: 0.24 tons/yr
Methyl ethyl ketone: 18.80 tons/yr
Methyl isobutyl ketone: 1.35 tons/yr
n-Hexane: 6.01 tons/yr
Naphthalene (and Methyl naphtalenes): 55.14 tons/yr
Nickel (and compounds): 3.49 tons/yr
Phenol: 1.08 tons/yr
Polycyclic Organic Matter (POM): 55.65 tons/yr
Polynuclear Aromatic Hydrocarbons: 0.83 tons/yr
Propionaldehyde: 0.30 tons/yr
Selenium (and compounds): 0.31 tons/yr
Styrene: 3.64 tons/yr
Sulfuric acid: 134.21 tons/yr
Tetrachloroethylene: 0.36 tons/yr

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 328 - International Paper Co - Mansfield Mill
Activity Number: PER20070001
Permit Number: 0760-00006-V8
Air - Title V Regular Permit Minor Mod

All phases

Toluene: 6.16 tons/yr

Total reduced sulfur: 225.66 tons/yr

Trichloroethylene: 0.14 tons/yr

Triethyl amine: <0.01 tons/yr

Xylene (mixed isomers): 4.82 tons/yr

Zinc (and compounds): 30.21 tons/yr

Emission Rates Notes:

EQT 117	Total reduced sulfur	Tons/Year	. This is a BACT requirement.	Which Months: All Year
EQT 118	Total reduced sulfur	Tons/Year	. This is a BACT requirement.	Which Months: All Year
EQT 126	Total reduced sulfur	Tons/Year	. This is a BACT requirement.	Which Months: All Year
EQT 127	Total reduced sulfur	Tons/Year	. This is a BACT requirement.	Which Months: All Year
EQT 135	Total reduced sulfur	Tons/Year	. This is a BACT requirement.	Which Months: All Year
EQT 136	Total reduced sulfur	Tons/Year	. This is a BACT requirement.	Which Months: All Year

SPECIFIC REQUIREMENTS

AI ID: 328 - International Paper Co - Mansfield Mill
Activity Number: PER20070001
Permit Number: 0760-00006-V8
Air - Title V Regular Permit Minor Mod

ARE005 25-93 - Landfill

1 No additional control is determined to be BACT. [LAC 33:III.509]
2 No additional control is determined to be MACT. [LAC 33:III.5109.A]

EQT005 1-78 - No. 1 Power Boiler

3 Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1101.B]
Which Months: All Year Statistical Basis: None specified
4 Total suspended particulate <= 0.6 lb/MMBTU of heat input. [LAC 33:III.1313.C]
Which Months: All Year Statistical Basis: None specified
5 Sulfur dioxide <= 2000 ppmv at standard conditions. [LAC 33:III.1503.C]
Which Months: All Year Statistical Basis: Three-hour average
6 Determine sulfur dioxide and sulfuric acid mist concentrations in stack gases using the methods in LAC 33:III.1503.D.Table 4. Use these methods for initial compliance determinations and for additional compliance determinations for those facilities not subject to continuous emission monitoring. [LAC 33:III.1503.D.1]
7 Equipment/operational data recordkeeping by electronic or hard copy continuously. Record and keep on site for at least two years the data required to demonstrate compliance with the provisions of LAC 33:III.Chapter 15. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request. [LAC 33:III.1513]
8 Submit report: Due annually, by the 31st of March, in accordance with LAC 33:III.918. Report data required to demonstrate compliance with the provisions of LAC 33:III.Chapter 15. [LAC 33:III.1513]
9 Submit quarterly reports of three-hour excess emissions and prompt reports of emergency occurrences, in accordance with LAC 33:III.927. [LAC 33:III.1513]
10 This boiler shall fire only the following fuels in any combination: bark/wood debris, paper, solid wood residuals (from saw mills, plywood mills, and oriented strand board mills and clarifier fiber sludge), creosote-treated railroad cross-ties, recycle plant sludge, unrecyclable old corrugated container material, bagasse, coal, no. 2 fuel oil, no. 4 fuel oil, no. 6 fuel oil, distillate grades of fuel oil, used on-specification oil, used petroleum mineral spirits, onsite fuel oil solids, natural gas, tire-derived fuel, solid paraffin, high caustic, pine tar fuels, conforming waste material, polyethylene wax, and woodwaste materials containing phenol-formaldehyde resin which is otherwise known as PlyTrim. Conforming waste material shall mean materials such as cellulose, woven and non-woven fabrics, plastics, elastomers, and adhesives that result from the manufacture of personal care products. [LAC 33:III.501.C.6]
11 Opacity <= 20 percent. Having installed opacity monitors pursuant to the requirements of permit no. PSD-LA-93, permittee shall diligently maintain and operate opacity monitors. Opacity as measured by these monitors shall not exceed 20 percent except for one six-minute period per hour when 27 percent opacity will be allowed. The opacity exceedences shall be recorded each month, as well as the opacity exceedances for the last twelve months. These records shall be kept on site and made available for inspection by DEQ personnel. A report showing the opacity exceedances shall comply with the reporting requirements of 40 CFR 70.6(a)(3)(iii)(A) and (B) and shall be submitted to the Office of Environmental Services, Surveillance Division semiannually on March 31 and September 30 for the preceeding six month period. [LAC 33:III.509]
Which Months: All Year Statistical Basis: Constant
12 Permittee shall use a single stage dust collector/electrostatic precipitator with a particulate matter removal efficiency of no less than 99.5% and a lead removal efficiency of no less than 80% in order to control emissions of particulate matter and lead. [LAC 33:III.509]
13 Permittee shall use good process controls in order to control emissions of volatile organic compounds (VOC) and total reduced sulfur (TRS). [LAC 33:III.509]
14 Permittee shall install oxygen flue gas monitors to continuously monitor a representative sample of the flue gas. Feedback controls from the oxygen monitor shall continuously maintain low excess air (LEA) air/fuel ratio parameters in the combustion mixtures. This unit shall be fired only under LEA conditions. Performance test shall be conducted and operating procedures established in accordance with "Use of Flue Gas Oxygen Meter as BACT for Combustion Controls", attached to the PSD permit. Compliance with the carbon monoxide emissions limits shall be demonstrated through operation above established minimum percent oxygen content in the flue gas. [LAC 33:III.509]

EQT005 1-78 - No. 1 Power Boiler

15 Total suspended particulate <= 0.10 lb/MMBTU (43 nanograms per joule) heat input derived from fossil fuel or fossil fuel and wood reside. Subpart D. [40 CFR 60.42(a)(1)]
Which Months: All Year Statistical Basis: None specified

16 Opacity <= 20 percent except for one six-minute period per hour of not more than 27 percent opacity. Subpart D. [40 CFR 60.42(a)(2)]
Which Months: All Year Statistical Basis: Six-minute average

17 Sulfur dioxide <= 0.80 lb/MMBTU for liquid fossil fuels with/without wood residue; SO2 <= 1.2 lb/MM Btu for solid fossil fuels with/without wood residue. Subpart D. [40 CFR 60.43]
Which Months: All Year Statistical Basis: 3-hour block average

18 Nitrogen oxides <= 0.20 lb/MMBTU for natural gas; NOx <= 0.30 lb/MM Btu for natural gas and wood residue; NOx <= 0.30 lb/MM Btu for liquid fossil fuels with/without wood residue; NOx <= 0.70 lb/MM Btu for solid fossil fuels with/without wood residue. Subpart D. [40 CFR 60.44]
Which Months: All Year Statistical Basis: 3-hour block average

19 Use the procedures in 40 CFR 60.45(c)(1) through (c)(5) for performance evaluations under 40 CFR 60.13(c) and calibration checks under 40 CFR 60.13(d). Subpart D. [40 CFR 60.45(c)]

20 Submit excess emission and monitoring system performance reports: Due semiannually for each six-month period in the calendar year. Postmark all semiannual reports by the 30th day following the end of each six-month period. Include the information required in 40 CFR 60.7(c). Subpart D. [40 CFR 60.45(g)]

21 Oxygen or Carbon dioxide monitored by continuous emission monitor (CEM) continuously, except as provided in 40 CFR 60.45(b). Convert the data to the units of the applicable standard as specified in 40 CFR 60.45(e) and (f). Subpart D. [40 CFR 60.45]
Which Months: All Year Statistical Basis: None specified

22 Opacity monitored by continuous emission monitor (CEM) continuously, except as provided in 40 CFR 60.45(b). Convert the data to the units of the applicable standard as specified in 40 CFR 60.45(e) and (f). Subpart D. [40 CFR 60.45]
Which Months: All Year Statistical Basis: Six-minute average

23 Nitrogen oxides monitored by continuous emission monitor (CEM) continuously, except as provided in 40 CFR 60.45(b). Convert the data to the units of the applicable standard as specified in 40 CFR 60.45(e) and (f). The statistical bases for this requirement shall be 1-hour and 3-hour averages, as appropriate. Subpart D. [40 CFR 60.45]
Which Months: All Year Statistical Basis: None specified

24 Sulfur dioxide monitored by continuous emission monitor (CEM) continuously, except as provided in 40 CFR 60.45(b). Convert the data to the units of the applicable standard as specified in 40 CFR 60.45(e) and (f). The statistical bases for this requirement shall be 1-hour and 3-hour averages, as appropriate. Subpart D. [40 CFR 60.45]
Which Months: All Year Statistical Basis: None specified

25 Conduct the performance tests required in 40 CFR 60.8 using as reference methods and procedures the test methods in 40 CFR 60 Appendix A or other methods and procedures as specified in 40 CFR 60.46, except as provided in 40 CFR 60.8(b). Subpart D. [40 CFR 60.46(a)]

26 Permittee shall submit an initial notification in accordance with 40 CFR 63.7545(b). The initial notification was submitted to EPA on March 11, 2005. [40 CFR 63.7545(b)]

EQT006 3-78 - Lime Kiln

27 Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1101.B]
Which Months: All Year Statistical Basis: None specified

28 Equipment/operational data recordkeeping by electronic or hard copy continuously. Record and keep on site for at least two years the data required to demonstrate exemption from the provisions of LAC 33:III.Chapter 15. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request. [LAC 33:III.1513]

29 Total suspended particulate <= 1.0 lb/ton (equivalent pulp ton). [LAC 33:III.2301.D.1.c]
Which Months: All Year Phases: Statistical Basis:

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30 Total reduced sulfur <= 20 ppmv corrected to 10% oxygen. [LAC 33:III.2301.D.3.d]
Which Months: All Year Phases: Statistical Basis:

31 Combustion temperature of total reduced sulfur (TRS) emissions routed to this source shall be incinerated at 1200 degrees Fahrenheit for at least 0.5 seconds. [LAC 33:III.509]

32 Pressure drop monitored by technically sound method continuously. The measurement shall be taken in inches of water and shall be no less than 25 inches of water. [LAC 33:III.509]
Which Months: All Year Statistical Basis: One-hour average

33 Permittee shall control particulate matter, sulfur dioxide, volatile organic compounds, total reduced sulfur, and lead emissions using a venturi scrubber. This scrubber shall control particulate matter emissions with an efficiency of no less than 99.8 percent. [LAC 33:III.509]

34 In the event the Lime Kiln is temporarily out of service, all potential emissions of total reduced sulfur (TRS) normally incinerated in the Lime Kiln shall be routed to a standby incinerator. The standby incinerator flue gases shall contain less than 5 ppmv-dry of TRS at 10 percent oxygen. [LAC 33:III.509]

35 Permittee shall good process controls in order to control emissions of carbon monoxide. [LAC 33:III.509]

36 Permittee shall install oxygen flue gas monitors to continuously monitor a representative sample of the flue gas. Performance test shall be conducted and operating procedures established in accordance with "Use of Flue Gas Oxygen Meter as BACT for Combustion Controls", attached to the PSD permit. Compliance with the carbon monoxide emissions limits shall be demonstrated through operation above established minimum percent oxygen content in the flue gas. [LAC 33:III.509]

37 Comply with 40 CFR 63 Subpart S and 40 CFR 63 Subpart MM. Determined as MACT. [LAC 33:III.5109.A]

38 Total suspended particulate <= 0.066 gr/dscf corrected to 10% oxygen when gaseous fossil fuel is burned, and 0.13 gr/dscf corrected to 10% oxygen when liquid fossil fuel is burned. [40 CFR 60.282(a)(3)]
Which Months: All Year Phases: Statistical Basis:

39 Total reduced sulfur <= 8 ppmdv @ 10% oxygen. [40 CFR 60.283(a)(5), LAC 33:III.509]

40 Oxygen monitored by CMS continuously. [40 CFR 60.284(a)(2)]
Which Months: All Year Statistical Basis: One-hour average

41 Total reduced sulfur monitored by continuous emission monitor (CEM) continuously. [40 CFR 60.284(a)(2), LAC 33:III.509]
Which Months: All Year Statistical Basis: One-hour average

42 Scrubbing liquid supply Pressure monitored by pressure instrument continuously. The monitoring device is to be certified by the manufacturer to be accurate within ±15 percent of design scrubbing liquid supply pressure. The pressure sensor or tap is to be located close to the scrubber liquid discharge point. Record once per shift. Compliance with 40 CFR 63 Subpart MM satisfies this condition. [40 CFR 60.284(b)(2)]
Which Months: All Year Statistical Basis: None specified

43 Scrubber: Pressure drop monitored by pressure drop instrument continuously. The monitoring device is to be certified by the manufacturer to be accurate to within a gauge pressure of ±500 pascals (ca. ±2 inches water gage pressure). Record once per shift. Compliance with 40 CFR 63 Subpart MM satisfies this condition. [40 CFR 60.284(b)(2)]
Which Months: All Year Statistical Basis: None specified

44 Calculate and record on a daily basis 12-hour average TRS concentrations for the two consecutive periods of each operating day. Each 12-hour average shall be determined as the arithmetic mean of the appropriate 12 contiguous 1-hour average total reduced sulfur concentrations provided by the continuous monitoring system. [40 CFR 60.284(c)(1)]

45 Calculate and record on a daily basis 12-hour average oxygen concentrations for the two consecutive periods of each operating day. These 12-hour averages shall correspond to the 12-hour average TRS concentrations under 60.284(c)(1) and shall be determined as an arithmetic mean of the appropriate 12 contiguous 1-hour average oxygen concentrations provided by the continuous monitoring system. [40 CFR 60.284(c)(2)]

46 Correct all 12-hour average TRS concentrations to 10 volume percent oxygen. [40 CFR 60.284(c)(3)]

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47 The procedures under 60.13 shall be followed for installation, evaluation, and operation of the continuous monitoring systems. All continuous monitoring systems shall be operated in accordance with the applicable procedures under Performance Specifications 1, 3, and 5 of appendix B to part 60. Quarterly accuracy determinations and daily calibration drift tests shall be performed in accordance with Procedure 1 of appendix F to part 60. Procedure 1 of appendix F shall not apply to the TRS CEMS if 60.284(f) is revised or EPA otherwise clarifies in writing that this procedure does not apply to TRS CEMS. [40 CFR 60.284(f)]

48 Report semiannually periods of excess emissions as defined in 60.284(d). [40 CFR 60.7(c)]

49 Introduce the HAP emission stream with the primary fuel or into the flame zone. [40 CFR 63.443(d)(4)]

50 Total suspended particulate <= 0.064 gr/dscf @ 10% oxygen. [40 CFR 63.862(a)(1)(i)(C)]
Which Months: All Year Phases: Statistical Basis:

51 Flow monitored by flow rate monitoring device once every 15 minutes. The monitoring device used for continuous measurement of the scrubbing liquid flow rate must be certified by the manufacturer to be accurate within ±5 percent of the design scrubbing liquid flow rate. [40 CFR 63.864(e)]
Which Months: All Year Statistical Basis: Three-hour average

52 Scrubber: Pressure drop monitored by pressure drop instrument continuously. The monitoring device used for the continuous measurement of the pressure drop of the gas stream across the scrubber must be certified by the manufacturer to be accurate to within a gauge pressure of ±2 inches of water gauge pressure. [40 CFR 63.864(e)]
Which Months: All Year Statistical Basis: Three-hour average

53 During the initial performance test required in 63.865, the permittee shall establish operating ranges for the monitoring parameters in 63.864(e), as appropriate; or[
□
Base operating ranges on values recorded during previous performance tests or conduct additional performance tests for the specific purpose of establishing operating ranges, provided that test data used to establish the operating ranges are or have been obtained using the test methods required in Subpart MM. The permittee must certify that all control techniques and processes have not been modified subsequent to the testing upon which the data used to establish the operating parameter ranges were obtained.m
□
Establish expanded or replacement operating ranges for the monitoring parameter values listed in 63.864(e) and established in 63.864(j)(1) or (2) during subsequent performance tests using the test methods in 63.865.□
□
Continuously monitor each parameter and determine the arithmetic average value of each parameter during each performance test. Multiple performance tests may be conducted to establish a range of parameter values. [40 CFR 63.864(j)]

54 Permittee shall implement corrective action, as specified in the startup, shutdown, and malfunction plan when any 3-hour average parameter value is outside the range of values established in 63.864(j). [40 CFR 63.864(k)(1)]

55 Permittee is in violation of the standards of 63.862 when six or more 3-hour average parameter values within any 6-month reporting period are outside the range of values established in 63.864(j). No more than one exceedance will be attributed in any given 24-hour period. [40 CFR 63.864(k)(2)]

56 Develop and implement a written plan as described in 63.6(e)(3) that contains specific procedures to be followed for operating the source and maintaining the source during periods of startup, shutdown, and malfunction, and a program of corrective action for malfunctioning process and control systems used to comply with the standards. The plan must also include the requirements in paragraphs (a)(1) and (2) of 60.866. [40 CFR 63.866(a)]

57 Maintain records of any occurrence when corrective action is required under 63.864(k)(1) and when a violation is noted under 63.864(k)(2). [40 CFR 63.866(b)]

58 In addition to the general records required by 63.10(b)(2), maintain records of the information in paragraphs (c)(1) through (7) of 60.866, as applicable. [40 CFR 63.866(c)]

59 Submit the applicable notifications from subpart A of part 63, as specified in Table 1 of subpart MM. [40 CFR 63.867(a)(1)]

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60 Report quarterly if measured parameters meet any of the conditions specified in paragraph (k)(1) or (2) of 63.864. This report must contain the information specified in 63.10(c) of this part as well as the number and duration of occurrences when the source met or exceeded the conditions in 63.864(k)(1), and the number and duration of occurrences when the source met or exceeded the conditions in 63.864(k)(2). Reporting excess emissions below the violation thresholds of 63.864(k) does not constitute a violation of the applicable standard. When no exceedances of parameters have occurred, the owner or operator must submit a semiannual report stating that no excess emissions occurred during the reporting period. [40 CFR 63.867(c)]

EQT007 13-93 - Gas Turbine/HRSG Stack

61 Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1101.B]
Which Months: All Year Statistical Basis: None specified

62 HRSG only: Total suspended particulate <= 0.6 lb/MMBTU of heat input. [LAC 33:III.1313.C]
Which Months: All Year Statistical Basis: None specified

63 Equipment/operational data recordkeeping by electronic or hard copy continuously. Record and keep on site for at least two years the data required to demonstrate exemption from the provisions of LAC 33:III.Chapter 15. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request. [LAC 33:III.1513]

64 Permittee shall ensure compliance with the opacity emission limits of this permit by visually inspecting emissions on a weekly basis. If visible emissions are detected above normal operating conditions, then, within three (3) working days, the permittee shall conduct a six-minute opacity reading in accordance with EPA Reference Method 9. Records of visible emission checks shall include emission point ID, date visual check was performed, a record if visible emissions were detected, and a record of any Method 9 testing conducted, and the results of any Method 9 test. These records shall be kept on site and available for inspection by the Office of Environmental Compliance, Surveillance Division. [LAC 33:III.501.C.6]

65 HRSG only: Nitrogen oxides <= 0.08 lb/MMBTU. [LAC 33:III.509.J]
Which Months: All Year Statistical Basis: Hourly maximum

66 Gas turbine: Nitrogen oxides <= 25 ppmdv @ 15% O2 This limitation does not apply during low-load operation, provided the maximum limits of 54.5 lb/hr and 227.8 TPY for the Gas Turbine/HRSG are not exceeded. [LAC 33:III.509.J]
Which Months: All Year Statistical Basis: Hourly maximum

67 Gas turbine only: Particulate matter (10 microns or less) <= 0.0085 gr/dscf. [LAC 33:III.509]
Which Months: All Year Statistical Basis: Hourly maximum

68 Gas turbine only: Nitrogen oxides <= 25 ppmv @ 15% oxygen. [LAC 33:III.509]
Which Months: All Year Statistical Basis: Hourly maximum

69 Permittee shall fire natural gas in order to control emissions of particulate matter and sulfur dioxide from both the HRSG and the gas turbine. Permittee shall perform preventative maintenance in order to control emissions of carbon monoxide and volatile organic compounds from both the HRSG and the gas turbine. Permittee shall utilize low NOx burners in order to control nitrogen oxide emissions from the gas turbine. [LAC 33:III.509]

70 In lieu of monitoring and recording nitrogen and sulfur content of the fuel daily, monitor per EPA/LDEQ approved custom schedule approved on December 9, 1999, or as subsequently modified - 60.334(b)(2). [40 CFR 60.13(i), LAC 33:III.509]

71 Gas turbine only: Nitrogen oxides <= 150 ppmdv @ 15% O2 at 15% oxygen and on a dry basis in gases discharged to the atmosphere. Use analytical methods and procedures that are accurate to within 5 percent and are approved by DEQ to determine the nitrogen content of the fuel being fired per 40 CFR 60.335(a). Subpart GG. [40 CFR 60.332(a)(2)]
Which Months: All Year Statistical Basis: None specified

EQT007 13-93 - Gas Turbine/HRSG Stack

72 Gas turbine only: Fuel sulfur content <= 0.8 % by weight for any fuel burned. Subpart GG. [40 CFR 60.333(b)]
Which Months: All Year Statistical Basis: None specified

73 Gas turbine only: Submit excess emissions report: Due by the 30th day following the end of each six-month period. Report periods of excess emissions as defined. Subpart GG. [40 CFR 60.334(c)]

74 Gas turbine only: Use the reference methods and procedures specified in conducting the performance tests required in 40 CFR 60.8, except as provided for in 40 CFR 60.8(b). Subpart GG. [40 CFR 60.335]

75 HRSG only: Nitrogen oxides <= 0.20 lb/MMBTU heat input (expressed as NO2). The nitrogen oxide standards apply at all times, including periods of startup, shutdown, or malfunction. Subpart Db. [40 CFR 60.44b(a)(4)(i)]
Which Months: All Year Statistical Basis: Thirty-day rolling average

76 HRSG only: Conduct performance testing to demonstrate compliance with the nitrogen oxides emission standards in 40 CFR 60.44b by following 40 CFR 60.46b(e) or (f), or following 40 CFR 60.46b(g) and (h), as applicable. Subpart Db. [40 CFR 60.46b(c)]

77 HRSG only: Submit notification: Due as provided by 40 CFR 60.7. Submit a notification of the actual date of initial startup including design heat input capacity of the affected facility, identification of fuels to be combusted, copy of any federally enforceable requirement limiting annual capacity factor, and all other data as specified in 40 CFR 60.49b(a)(1) through (a)(4). Subpart Db. [40 CFR 60.49b(a)]

78 HRSG only: Submit the performance test data from the initial performance test to DEQ. Subpart Db. [40 CFR 60.49b(b)]

79 HRSG only: Fuel rate recordkeeping by electronic or hard copy daily. Record the amounts of each fuel combusted during each day and calculate the annual capacity factor individually for coal, distillate oil, residual oil, natural gas, wood, and municipal-type solid waste for the reporting period. Determine the annual capacity factor on a 12-month rolling average basis with a new annual capacity factor calculated at the end of each calendar month. Subpart Db. [40 CFR 60.49b(d)]

80 HRSG only: Equipment/operational data recordkeeping by electronic or hard copy continuously. Maintain records of the information listed in 40 CFR 60.49b(g)(1) through (g)(10), as applicable, for each steam generating unit operating day. Subpart Db. [40 CFR 60.49b(g)]

81 HRSG only: Maintain all records required under 40 CFR 60.49b for a period of 2 years following the date of such record. Subpart Db. [40 CFR 60.49b(o)]

EQT008 56-98b - Crude Tall Oil - Tall Oil Reactor Scrubber

82 No additional control is determined to be MACT. [LAC 33:III.5109.A]

EQT009 42-96 - Soda Ash Unloading

83 No additional control is determined to be MACT. [LAC 33:III.5109.A]

EQT010 57-99 - HVLC Incinerator

84 Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1101.B]
Which Months: All Year Statistical Basis: None specified

85 Equipment/operational data recordkeeping by electronic or hard copy continuously. Record and keep on site for at least two years the data required to demonstrate exemption from the provisions of LAC 33:III.Chapter 15. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request. [LAC 33:III.1513]

EQT010 57-99 - HVLC Incinerator

86 Permittee shall ensure compliance with the opacity emission limits of this permit by visually inspecting emissions on a weekly basis. If visible emissions are detected above normal operating conditions, then, within three (3) working days, the permittee shall conduct a six-minute opacity reading in accordance with EPA Reference Method 9. Records of visible emission checks shall include emission point ID, date visual check was performed, a record if visible emissions were detected, and a record of any Method 9 testing conducted, and the results of any Method 9 test. These records shall be kept on site and available for inspection by the Office of Environmental Compliance, Surveillance Division. [LAC 33:III.501.C.6]

87 Comply with 40 CFR 63 Subpart S. Determined as MACT. [LAC 33:III.5109.A]

88 When LVHC gases are being combusted: Residence time >= 0.5 sec. [40 CFR 60.283(a)(1)(iii)]
Which Months: All Year Phases: Statistical Basis:

89 When LVHC gases are being combusted: Temperature >= 1200 F. [40 CFR 60.283(a)(1)(iii)]
Which Months: All Year Phases: Statistical Basis:

90 When LVHC gases are being combusted: Temperature monitored by temperature monitoring device continuously. The monitoring device is to be installed, calibrated, maintained, and operated to measure and record the combustion temperature at the point of incineration of effluent gases and certified by the manufacturer to be accurate within ±1 percent of the temperature being measured. [40 CFR 60.284(b)(1)]
Which Months: All Year Statistical Basis: None specified

91 Report semiannually periods of excess emissions as defined in 60.284(d) if LVHC gases have been combusted during that period. [40 CFR 60.284(d)]

92 Reduce emissions of HAP >= 98 percent; or reduce the total HAP concentration to <= 20 ppmvd, corrected to 10% oxygen; or maintain firebox temperature >= 1600 degrees F and residence time >= 0.75 seconds. [40 CFR 63.443(d)]
Which Months: All Year Phases: Statistical Basis:

93 Temperature monitored by temperature monitoring device continuously in the firebox or in the ductwork immediately downstream of the firebox and before any substantial heat exchange occurs. If complying with the HAP concentration requirements in 63.443(d)(2), permittee may install a CMS to monitor the thermal oxidizer outlet total HAP or methanol concentration. [40 CFR 63.453(b)]
Which Months: All Year Statistical Basis: None specified

94 To establish or reestablish the value for each operating parameter required to be monitored under 63.453(b), use the following procedures:□
(1) During the initial performance test required in 63.457(a) or any subsequent performance test, continuously record the operating parameter;□
(2) Determinations shall be based on the control performance and parameter data monitored during the performance test, supplemented if necessary by engineering assessments and the manufacturer's recommendations;□
(3) Provide for the Administrator's approval the rationale for the selected operating parameter value, and monitoring frequency, and averaging time. Include all data and calculations used to develop the value and a description of why the value, monitoring frequency, and averaging time demonstrate continuous compliance with the applicable emission standard. [40 CFR 63.453(n)]

95 Operate the control device in a manner consistent with the minimum or maximum (as appropriate) operating parameter value or procedure required to be monitored under 63.453(b) & (n). Except as provided in 63.443(e), operation of the control device below minimum operating parameter values or above maximum operating parameter values or failure to perform procedures required by Subpart S shall constitute a violation of the applicable emission standard and be reported as a period of excess emissions. [40 CFR 63.453(o)]

EQT012 33-93 - Oxidized Starch Silo

96 Filter elements (bags): Equipment/operational data monitored by technically sound method once every six months or whenever visual checks indicate maintenance may be necessary. Change elements as necessary. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: None specified

EQT012 33-93 - Oxidized Starch Silo

97 Filter elements (bags): Equipment/operational data recordkeeping by electronic or hard copy upon each occurrence of inspection. Keep records of maintenance inspections on site and available for inspection by the Office of Environmental Compliance, Surveillance Division. [LAC 33:III.501.C.6]

98 Filter vents: Visible emissions monitored by visual inspection/determination daily only when unloading operations are in progress. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: None specified

99 Filter vents: Visible emissions recordkeeping by electronic or hard copy upon each occurrence of inspection. Keep records of visual checks on site and available for inspection by the Office of Environmental Compliance, Surveillance Division. [LAC 33:III.501.C.6]

100 Permittee shall utilize bag filters on this silo during loading operations in order to control emissions of particulate matter. [LAC 33:III.509]

EQT013 24-93 - Wastewater Treatment

101 Permittee shall use a biodegradation system in order to control emissions of volatile organic compounds and total reduced sulfur. [LAC 33:III.509]

EQT014 8-78 - Lime Slaker/Lime Handling

102 Permittee shall vent emissions to a wet scrubber in order to control emissions of particulate matter, volatile organic compounds, and total reduced sulfur. The wet scrubber shall have a particulate matter removal efficiency of no less than 99.5 percent. [LAC 33:III.509]

103 No additional control is determined to be MACT. [LAC 33:III.5109.A]

EQT015 6-78 - No. 1 Smelt Dissolving Tank

104 Equipment/operational data recordkeeping by electronic or hard copy continuously. Record and keep on site for at least two years the data required to demonstrate exemption from the provisions of LAC 33:III.Chapter 15. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request. [LAC 33:III.1513]

105 Total suspended particulate <= 0.5 lb/ton (equivalent pulp ton). [LAC 33:III.2301.D.1.b]
Which Months: All Year Phases: Statistical Basis:

106 Total reduced sulfur <= 0.016 g/kg black liquor solids fired. [LAC 33:III.2301.D.3.f]
Which Months: All Year Phases: Statistical Basis:

107 Total reduced sulfur <= 0.019 lb/ton of black liquor solids (lb/TBLS). [LAC 33:III.509]

108 Permittee shall utilize a wet scrubber to control emissions of particulate matter and total reduced sulfur. The wet scrubber shall have a particulate matter removal efficiency of no less than 99.5 percent. [LAC 33:III.509]

109 Permittee shall use good process controls for recovery boilers in order to control emissions of sulfur dioxide, nitrogen oxides, carbon monoxide, and volatile organic compounds. [LAC 33:III.509]

110 Comply with 40 CFR 63 Subpart MM. Determined as MACT. [LAC 33:III.5109.A]

111 In lieu of monitoring pressure loss of the gas stream through the control equipment per 60.284(b)(2), fan electrical Flow monitored by ammeter continuously. Record once per shift. [40 CFR 60.13(i)]
Which Months: All Year Statistical Basis: None specified

112 Total suspended particulate <= 0.2 lb/ton black liquor solids (dry weight). [40 CFR 60.282(a)(2)]
Which Months: All Year Phases: Statistical Basis:

113 Total reduced sulfur <= 0.033 lb/ton black liquor solids as H2S. [40 CFR 60.283(a)(4)]

EQT015 **6-78 - No. 1 Smelt Dissolving Tank**

114 Scrubbing liquid supply Pressure monitored by pressure instrument continuously. The monitoring device is to be certified by the manufacturer to be accurate within ±15 percent of design scrubbing liquid supply pressure. The pressure sensor or tap is to be located close to the scrubber liquid discharge point. Record once per shift. Compliance with 40 CFR 63 Subpart MM satisfies this condition. [40 CFR 60.284(b)(2)]
Which Months: All Year Statistical Basis: None specified

115 Total suspended particulate <= 0.20 lb/ton of black liquor solids fired. [40 CFR 63.862(a)(1)(i)(B)]
Which Months: All Year Phases: Statistical Basis:

116 Flow monitored by flow rate monitoring device once every 15 minutes. The monitoring device used for continuous measurement of the scrubbing liquid flow rate must be certified by the manufacturer to be accurate within ±5 percent of the design scrubbing liquid flow rate. [40 CFR 63.864(e)(10)]
Which Months: All Year Statistical Basis: Three-hour average

117 In lieu of monitoring the pressure drop across the scrubber per 63.864(e)(10), fan electrical Flow monitored by ammeter continuously. Approved by EPA September 8, 2003. [40 CFR 63.864(e)(13)]
Which Months: All Year Statistical Basis: None specified

118 During the initial performance test required in 63.865, the permittee shall establish operating ranges for the monitoring parameters in 63.864(e), as appropriate; or(

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Base operating ranges on values recorded during previous performance tests or conduct additional performance tests for the specific purpose of establishing operating ranges, provided that test data used to establish the operating ranges are or have been obtained using the test methods required in Subpart MM. The permittee must certify that all control techniques and processes have not been modified subsequent to the testing upon which the data used to establish the operating parameter ranges were obtained.k

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Establish expanded or replacement operating ranges for the monitoring parameter values listed in 63.864(e) and established in 63.864(j)(1) or (2) during subsequent performance tests using the test methods in 63.865.☐

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Continuously monitor each parameter and determine the arithmetic average value of each parameter during each performance test. Multiple performance tests may be conducted to establish a range of parameter values. [40 CFR 63.864(j)]

119 Permittee shall implement corrective action, as specified in the startup, shutdown, and malfunction plan when any 3-hour average parameter value is outside the range of values established in 63.864(j). [40 CFR 63.864(k)(1)]

120 Permittee is in violation of the standards of 63.862 when six or more 3-hour average parameter values within any 6-month reporting period are outside the range of values established in 63.864(j). No more than one exceedance will be attributed in any given 24-hour period. [40 CFR 63.864(k)(2)]

121 Develop and implement a written plan as described in 63.6(e)(3) that contains specific procedures to be followed for operating the source and maintaining the source during periods of startup, shutdown, and malfunction, and a program of corrective action for malfunctioning process and control systems used to comply with the standards. The plan must also include the requirements in paragraphs (a)(1) and (2) of 60.866. [40 CFR 63.866(a)]

122 Maintain records of any occurrence when corrective action is required under 63.864(k)(1) and when a violation is noted under 63.864(k)(2). [40 CFR 63.866(b)]

123 In addition to the general records required by 63.10(b)(2), maintain records of the information in paragraphs (c)(1) through (7) of 60.866, as applicable. [40 CFR 63.866(c)]

124 Submit the applicable notifications from subpart A of part 63, as specified in Table 1 of subpart MM. [40 CFR 63.867(a)(1)]

125 Report quarterly if measured parameters meet any of the conditions specified in paragraph (k)(1) or (2) of 63.864. This report must contain the information specified in 63.10(c) of this part as well as the number and duration of occurrences when the source met or exceeded the conditions in 63.864(k)(1), and the number and duration of occurrences when the source met or exceeded the conditions in 63.864(k)(2). Reporting excess emissions below the violation thresholds of 63.864(k) does not constitute a violation of the applicable standard. When no exceedances of parameters have occurred, the owner or operator must submit a semiannual report stating that no excess emissions occurred during the reporting period. [40 CFR 63.867(c)]

EQT016 45-96 - No. 2 Fuel Oil Bulk Tank

126 Equip with a submerged fill pipe. [LAC 33:III.509]

127 Equip with submerged fill pipe. Determined as MACT. [LAC 33:III.5109.A]

EQT017 28-93j - Process Liquor Tanks - Soap Skimmer Tank (No. 1)

128 No additional control is determined to be BACT. [LAC 33:III.509]

129 No additional control is determined to be MACT. [LAC 33:III.5109.A]

EQT018 36-96 - Caterpillar Back-up Diesel Air Compressor (No. 1)

130 Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1101.B]
Which Months: All Year Statistical Basis: None specified

131 Equipment/operational data recordkeeping by electronic or hard copy continuously. Record and keep on site for at least two years the data required to demonstrate exemption from the provisions of LAC 33:III.Chapter 15. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request. [LAC 33:III.1513]

132 Operating time recordkeeping by electronic or hard copy monthly. Keep records of the total operating time each month, as well as the total operating time for the preceding six consecutive months. Make records available for inspection by DEQ personnel. [LAC 33:III.501.C.6]

133 Operating time monitored by technically sound method continuously. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: None specified

134 If operating time exceeds 720 hours in any six consecutive month period, within the next 90 days, permittee shall test that engine for NOX, CO and O2 concentrations in the stack gas utilizing portable analyzers that are calibrated before each test using a known reference gas sample. Concentrations of NOX, CO and O2 shall be maintained in the same range as during the stack tests in 2000 and 2001. Records of operating times and test results, if required, shall be kept on site and available for inspection by the Office of Environmental Compliance, Surveillance Division. [LAC 33:III.509]

135 Permittee shall perform preventative maintenance on this engine in order to control emissions of particulate matter, sulfur dioxide, nitrogen oxides, carbon monoxide, and volatile organic compounds. [LAC 33:III.509]

EQT019 *53-96 - Boiler Feedwater/Steam Condensate Treatment Operations*

136 Permittee shall utilize additives with low volatile organic compounds (VOC) concentration in order to control emissions of volatile organic compounds. [LAC 33:III.509]

137 No additional control is determined to be MACT. [LAC 33:III.5109.A]

EQT021 34-93 - Talc Silo

138 Filter elements (bags): Equipment/operational data monitored by technically sound method once every six months or whenever visual checks indicate maintenance may be necessary. Change elements as necessary. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: None specified

139 Filter elements (bags): Equipment/operational data recordkeeping by electronic or hard copy upon each occurrence of inspection. Keep records of maintenance inspections on site and available for inspection by the Office of Environmental Compliance, Surveillance Division. [LAC 33:III.501.C.6]

140 Filter vents: Visible emissions monitored by visual inspection/determination daily only when unloading operations are in progress. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: None specified

EQT021 34-93 - Talc Silo

141 Filter vents: Visible emissions recordkeeping by electronic or hard copy upon each occurrence of inspection. Keep records of visual checks on site and available for inspection by the Office of Environmental Compliance, Surveillance Division. [LAC 33:III.501.C.6]

142 Permittee shall utilize bag filters on this silo during loading operations in order to control emissions of particulate matter. [LAC 33:III.509]

EQT022 61-01 - Pearl Starch Silo

143 Filter elements (bags): Equipment/operational data monitored by technically sound method once every six months or whenever visual checks indicate maintenance may be necessary. Change elements as necessary. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: None specified

144 Filter elements (bags): Equipment/operational data recordkeeping by electronic or hard copy upon each occurrence of inspection. Keep records of maintenance inspections on site and available for inspection by the Office of Environmental Compliance, Surveillance Division. [LAC 33:III.501.C.6]

145 Filter vents: Visible emissions monitored by visual inspection/determination daily only when unloading operations are in progress. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: None specified

146 Filter vents: Visible emissions recordkeeping by electronic or hard copy upon each occurrence of inspection. Keep records of visual checks on site and available for inspection by the Office of Environmental Compliance, Surveillance Division. [LAC 33:III.501.C.6]

147 Permittee shall utilize bag filters on this silo during loading operations in order to control emissions of particulate matter. [LAC 33:III.509]

EQT023 56-98a - Crude Tall Oil - Soap Unloading Facilities

148 No additional control is determined to be MACT. [LAC 33:III.5109.A]

EQT024 56-98i - Crude Tall Oil - Tall Oil Loading Facilities

149 No additional control is determined to be MACT. [LAC 33:III.5109.A]

EQT025 9-78 - NCG Incinerator

150 Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1101.B]
Which Months: All Year Statistical Basis: None specified

151 Equipment/operational data recordkeeping by electronic or hard copy continuously. Record and keep on site for at least two years the data required to demonstrate exemption from the provisions of LAC 33:III.Chapter 15. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request. [LAC 33:III.1513]

152 Permittee shall ensure compliance with the opacity emission limits of this permit by visually inspecting emissions on a weekly basis. If visible emissions are detected above normal operating conditions, then, within three (3) working days, the permittee shall conduct a six-minute opacity reading in accordance with EPA Reference Method 9. Records of visible emission checks shall include emission point ID, date visual check was performed, a record if visible emissions were detected, and a record of any Method 9 testing conducted, and the results of any Method 9 test. These records shall be kept on site and available for inspection by the Office of Environmental Compliance, Surveillance Division. [LAC 33:III.501.C.6]

153 Combustion temperature of total reduced sulfur (TRS) emissions routed to this source shall be incinerated at 1200 degrees Fahrenheit for at least 0.5 seconds. [LAC 33:III.509]

154 Comply with 40 CFR 63 Subpart S. Determined as MACT. [LAC 33:III.5109.A]

EQT025 9-78 - NCG Incinerator

155 Residence time >= 0.5 sec. [40 CFR 60.283(a)(1)(iii)]
Which Months: All Year Phases: Statistical Basis:

156 Temperature >= 1200 F. [40 CFR 60.283(a)(1)(iii)]
Which Months: All Year Phases: Statistical Basis:

157 Temperature monitored by temperature monitoring device continuously. The monitoring device is to be installed, calibrated, maintained, and operated to measure and record the combustion temperature at the point of incineration of effluent gases and certified by the manufacturer to be accurate within ±1 percent of the temperature being measured. [40 CFR 60.284(b)(1)]
Which Months: All Year Statistical Basis: None specified

158 Report semiannually periods of excess emissions as defined in 60.284(d). [40 CFR 60.7(c)]

159 Reduce emissions of HAP >= 98 percent; or reduce the total HAP concentration to <= 20 ppmvd, corrected to 10% oxygen; or maintain firebox temperature >= 1600 degrees F and residence time >= 0.75 seconds. [40 CFR 63.443(d)]
Which Months: All Year Phases: Statistical Basis:

160 Temperature monitored by temperature monitoring device continuously in the firebox or in the ductwork immediately downstream of the firebox and before any substantial heat exchange occurs. If complying with the HAP concentration requirements in 63.443(d)(2), permittee may install a CMS to monitor the thermal oxidizer outlet total HAP or methanol concentration. [40 CFR 63.453(b)]
Which Months: All Year Statistical Basis: None specified

161 To establish or reestablish the value for each operating parameter required to be monitored under 63.453(b), use the following procedures:□
(1) During the initial performance test required in 63.457(a) or any subsequent performance test, continuously record the operating parameter;□
(2) Determinations shall be based on the control performance and parameter data monitored during the performance test, supplemented if necessary by engineering assessments and the manufacturer's recommendations;□
(3) Provide for the Administrator's approval the rationale for the selected operating parameter value, and monitoring frequency, and averaging time. Include all data and calculations used to develop the value and a description of why the value, monitoring frequency, and averaging time demonstrate continuous compliance with the applicable emission standard. [40 CFR 63.453(n)]

162 Operate the control device in a manner consistent with the minimum or maximum (as appropriate) operating parameter value or procedure required to be monitored under 63.453(b) & (n). Except as provided in 63.443(e), operation of the control device below minimum operating parameter values or above maximum operating parameter values or failure to perform procedures required by Subpart S shall constitute a violation of the applicable emission standard and be reported as a period of excess emissions. [40 CFR 63.453(o)]

EQT026 38-96 - Auxiliary Diesel Generator (No. 1)

163 Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1101.B]
Which Months: All Year Statistical Basis: None specified

164 Equipment/operational data recordkeeping by electronic or hard copy continuously. Record and keep on site for at least two years the data required to demonstrate exemption from the provisions of LAC 33:III.Chapter 15. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request. [LAC 33:III.1513]

165 Operating time recordkeeping by electronic or hard copy monthly. Keep records of the total operating time each month, as well as the total operating time for the preceding six consecutive months. Make records available for inspection by DEQ personnel. [LAC 33:III.501.C.6]

166 Operating time monitored by technically sound method continuously. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: None specified

EQT026 38-96 - Auxiliary Diesel Generator (No. 1)

167 If operating time exceeds 720 hours in any six consecutive month period, within the next 90 days, permittee shall test that engine for NOX, CO and O2 concentrations in the stack gas utilizing portable analyzers that are calibrated before each test using a known reference gas sample. Concentrations of NOX, CO and O2 shall be maintained in the same range as during the stack tests in 2000 and 2001. Records of operating times and test results, if required, shall be kept on site and available for inspection by the Office of Environmental Compliance, Surveillance Division. [LAC 33:III.509]

168 Permittee shall perform preventative maintenance on this engine in order to control emissions of particulate matter, sulfur dioxide, nitrogen oxides, carbon monoxide, and volatile organic compounds. [LAC 33:III.509]

EQT027 39-96 - Auxiliary Diesel Generator (No. 2)

169 Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1101.B]
Which Months: All Year Statistical Basis: None specified

170 Equipment/operational data recordkeeping by electronic or hard copy continuously. Record and keep on site for at least two years the data required to demonstrate exemption from the provisions of LAC 33:III.Chapter 15. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request. [LAC 33:III.1513]

171 Operating time recordkeeping by electronic or hard copy monthly. Keep records of the total operating time each month, as well as the total operating time for the preceding six consecutive months. Make records available for inspection by DEQ personnel. [LAC 33:III.501.C.6]

172 *Operating time monitored by technically sound method continuously. [LAC 33:III.501.C.6]*
Which Months: All Year Statistical Basis: None specified

173 If operating time exceeds 720 hours in any six consecutive month period, within the next 90 days, permittee shall test that engine for NOX, CO and O2 concentrations in the stack gas utilizing portable analyzers that are calibrated before each test using a known reference gas sample. Concentrations of NOX, CO and O2 shall be maintained in the same range as during the stack tests in 2000 and 2001. Records of operating times and test results, if required, shall be kept on site and available for inspection by the Office of Environmental Compliance, Surveillance Division. [LAC 33:III.509]

174 Permittee shall perform preventative maintenance on this engine in order to control emissions of particulate matter, sulfur dioxide, nitrogen oxides, carbon monoxide, and volatile organic compounds. [LAC 33:III.509]

EQT028 46-96 - Detroit Diesel Fire-Water Pump No. 2

175 Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1101.B]
Which Months: All Year Statistical Basis: None specified

176 Equipment/operational data recordkeeping by electronic or hard copy continuously. Record and keep on site for at least two years the data required to demonstrate exemption from the provisions of LAC 33:III.Chapter 15. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request. [LAC 33:III.1513]

EQT029 47-96 - Detroit Diesel Fire-Water Pump No. 3

177 Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1101.B]
Which Months: All Year Statistical Basis: None specified

EQT029 47-96 - Detroit Diesel Fire-Water Pump No. 3

178 Equipment/operational data recordkeeping by electronic or hard copy continuously. Record and keep on site for at least two years the data required to demonstrate exemption from the provisions of LAC 33:III.Chapter 15. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request. [LAC 33:III.1513]

EQT030 48-96 - Clarifier Diesel Engine "Big Bubba"

179 Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1101.B]
Which Months: All Year Statistical Basis: None specified

180 Equipment/operational data recordkeeping by electronic or hard copy continuously. Record and keep on site for at least two years the data required to demonstrate exemption from the provisions of LAC 33:III.Chapter 15. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request. [LAC 33:III.1513]

EQT031 49-96 - Waste Clarifier Diesel Engine

181 Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1101.B]
Which Months: All Year Statistical Basis: None specified

182 Equipment/operational data recordkeeping by electronic or hard copy continuously. Record and keep on site for at least two years the data required to demonstrate exemption from the provisions of LAC 33:III.Chapter 15. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request. [LAC 33:III.1513]

EQT032 50-96 - Administration Building Diesel Generator

183 Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1101.B]
Which Months: All Year Statistical Basis: None specified

184 Equipment/operational data recordkeeping by electronic or hard copy continuously. Record and keep on site for at least two years the data required to demonstrate exemption from the provisions of LAC 33:III.Chapter 15. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request. [LAC 33:III.1513]

185 Operating time recordkeeping by electronic or hard copy monthly. Keep records of the total operating time each month, as well as the total operating time for the preceding six consecutive months. Make records available for inspection by DEQ personnel. [LAC 33:III.501.C.6]

186 Operating time monitored by technically sound method continuously. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: None specified

187 If operating time exceeds 720 hours in any six consecutive month period, within the next 90 days, permittee shall test that engine for NOX, CO and O2 concentrations in the stack gas utilizing portable analyzers that are calibrated before each test using a known reference gas sample. Concentrations of NOX, CO and O2 shall be maintained in the same range as during the stack tests in 2000 and 2001. Records of operating times and test results, if required, shall be kept on site and available for inspection by the Office of Environmental Compliance, Surveillance Division. [LAC 33:III.509]

188 Permittee shall perform preventative maintenance on this engine in order to control emissions of particulate matter, sulfur dioxide, nitrogen oxides, carbon monoxide, and volatile organic compounds. [LAC 33:III.509]

EQT033 51-96 - Effluent Lift Pit Diesel Engine

189 Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1101.B]
Which Months: All Year Statistical Basis: None specified

190 Equipment/operational data recordkeeping by electronic or hard copy continuously. Record and keep on site for at least two years the data required to demonstrate exemption from the provisions of LAC 33:III.Chapter 15. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request. [LAC 33:III.1513]

EQT034 52-96 - Mud Storage Diesel Generator

191 Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1101.B]
Which Months: All Year Statistical Basis: None specified

192 Equipment/operational data recordkeeping by electronic or hard copy continuously. Record and keep on site for at least two years the data required to demonstrate exemption from the provisions of LAC 33:III.Chapter 15. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request. [LAC 33:III.1513]

EQT035 2-78 - No. 2 Power Boiler

193 Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1101.B]
Which Months: All Year Statistical Basis: None specified

194 Total suspended particulate <= 0.6 lb/MMBTU of heat input. [LAC 33:III.1313.C]
Which Months: All Year Statistical Basis: None specified

195 Sulfur dioxide <= 2000 ppmv at standard conditions. [LAC 33:III.1503.C]
Which Months: All Year Statistical Basis: Three-hour average

196 Determine sulfur dioxide and sulfuric acid mist concentrations in stack gases using the methods in LAC 33:III.1503.D.Table 4. Use these methods for initial compliance determinations and for additional compliance determinations for those facilities not subject to continuous emission monitoring. [LAC 33:III.1503.D.1]

197 Equipment/operational data recordkeeping by electronic or hard copy continuously. Record and keep on site for at least two years the data required to demonstrate compliance with the provisions of LAC 33:III.Chapter 15. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request. [LAC 33:III.1513]

198 Submit report: Due annually, by the 31st of March, in accordance with LAC 33:III.918. Report data required to demonstrate compliance with the provisions of LAC 33:III.Chapter 15. [LAC 33:III.1513]

199 Submit quarterly reports of three-hour excess emissions and prompt reports of emergency occurrences, in accordance with LAC 33:III.927. [LAC 33:III.1513]

200 This boiler shall fire only the following fuels in any combination: bark/wood debris, paper, solid wood residuals (from saw mills, plywood mills, and oriented strand board mills and clarifier fiber sludge), creosote-treated railroad cross-ties, recycle plant sludge, unrecyclable old corrugated container material, bagasse, coal, no. 2 fuel oil, no. 4 fuel oil, no. 6 fuel oil, distillate grades of fuel oil, used on-specification oil, used petroleum mineral spirits, onsite fuel oil solids, natural gas, tire-derived fuel, solid paraffin, high caustic, pine tar fuels, conforming waste material, polyethylene wax, and woodwaste materials containing phenol-formaldehyde resin which is otherwise known as PlyTrim. Conforming waste material shall mean materials such as cellulose, woven and non-woven fabrics, plastics, elastomers, and adhesives that result from the manufacture of personal care products. [LAC 33:III.501.C.6]

EQT035 **2-78 - No. 2 Power Boiler**

201 Opacity <= 20 percent. Having installed opacity monitors pursuant to the requirements of permit no. PSD-LA-93, permittee shall diligently maintain and operate opacity monitors. Opacity as measured by these monitors shall not exceed 20 percent except for one six-minute period per hour when 27 percent opacity will be allowed. The opacity exceedences shall be recorded each month, as well as the opacity exceedances for the last twelve months. These records shall be kept on site and made available for inspection by DEQ personnel. A report showing the opacity exceedances shall comply with the reporting requirements of 40 CFR 70.6(a)(3)(iii)(A) and (B) and shall be submitted to the Office of Environmental Services, Surveillance Division semiannually on March 31 and September 30 for the preceeding six month period. [LAC 33:III.509]
Which Months: All Year Statistical Basis: Constant

202 Permittee shall use a single stage dust collector/electrostatic precipitator with a particulate matter removal efficiency of no less than 99.5% and a lead removal efficiency of no less than 80% in order to control emissions of particulate matter and lead. [LAC 33:III.509]

203 Permittee shall use good process controls in order to control emissions of volatile organic compounds (VOC) and total reduced sulfur (TRS). [LAC 33:III.509]

204 Permittee shall install oxygen flue gas monitors to continuously monitor a representative sample of the flue gas. Feedback controls from the oxygen monitor shall continuously maintain low excess air (LEA) air/fuel ratio parameters in the combustion mixtures. This unit shall be fired only under LEA conditions. Performance test shall be conducted and operating procedures established in accordance with "Use of Flue Gas Oxygen Meter as BACT for Combustion Controls", attached to the PSD permit. Compliance with the carbon monoxide emissions limits shall be demonstrated through operation above established minimum percent oxygen content in the flue gas. [LAC 33:III.509]

205 Total suspended particulate <= 0.10 lb/MMBTU (43 nanograms per joule) heat input derived from fossil fuel or fossil fuel and wood reside. Subpart D. [40 CFR 60.42(a)(1)]
Which Months: All Year Statistical Basis: None specified

206 Opacity <= 20 percent except for one six-minute period per hour of not more than 27 percent opacity. Subpart D. [40 CFR 60.42(a)(2)]
Which Months: All Year Statistical Basis: Six-minute average

207 Sulfur dioxide <= 0.80 lb/MMBTU for liquid fossil fuels with/without wood residue; SO2 <= 1.2 lb/MM Btu for solid fossil fuels with/without wood residue. Subpart D. [40 CFR 60.43]
Which Months: All Year Statistical Basis: 3-hour block average

208 Nitrogen oxides <= 0.20 lb/MMBTU for natural gas; NOx <= 0.30 lb/MM Btu for natural gas and wood residue; NOx <= 0.30 lb/MM Btu for liquid fossil fuels with/without wood residue; NOx <= 0.70 lb/MM Btu for solid fossil fuels with/without wood residue. Subpart D. [40 CFR 60.44]
Which Months: All Year Statistical Basis: 3-hour block average

209 Use the procedures in 40 CFR 60.45(c)(1) through (c)(5) for performance evaluations under 40 CFR 60.13(c) and calibration checks under 40 CFR 60.13(d). Subpart D. [40 CFR 60.45(c)]

210 Submit excess emission and monitoring system performance reports: Due semiannually for each six-month period in the calendar year. Postmark all semiannual reports by the 30th day following the end of each six-month period. Include the information required in 40 CFR 60.7(c). Subpart D. [40 CFR 60.45(g)]

211 Oxygen or Carbon dioxide monitored by continuous emission monitor (CEM) continuously, except as provided in 40 CFR 60.45(b). Convert the data to the units of the applicable standard as specified in 40 CFR 60.45(e) and (f). Subpart D. [40 CFR 60.45]
Which Months: All Year Statistical Basis: None specified

212 Opacity monitored by continuous emission monitor (CEM) continuously, except as provided in 40 CFR 60.45(b). Convert the data to the units of the applicable standard as specified in 40 CFR 60.45(e) and (f). Subpart D. [40 CFR 60.45]
Which Months: All Year Statistical Basis: 3-hour block average

213 Nitrogen oxides monitored by continuous emission monitor (CEM) continuously, except as provided in 40 CFR 60.45(b). Convert the data to the units of the applicable standard as specified in 40 CFR 60.45(e) and (f). The statistical bases for this requirement shall be 1-hour and 3-hour averages, as appropriate. Subpart D. [40 CFR 60.45]
Which Months: All Year Statistical Basis: None specified

214 Sulfur dioxide monitored by continuous emission monitor (CEM) continuously, except as provided in 40 CFR 60.45(b). Convert the data to the units of the applicable standard as specified in 40 CFR 60.45(e) and (f). The statistical bases for this requirement shall be 1-hour and 3-hour averages, as appropriate. Subpart D. [40 CFR 60.45]
Which Months: All Year Statistical Basis: None specified

EQT035 2-78 - No. 2 Power Boiler

215 Conduct the performance tests required in 40 CFR 60.8 using as reference methods and procedures the test methods in 40 CFR 60 Appendix A or other methods and procedures as specified in 40 CFR 60.46, except as provided in 40 CFR 60.8(b). Subpart D. [40 CFR 60.46(a)]

216 Permittee shall submit an initial notification in accordance with 40 CFR 63.7545(b). The initial notification was submitted to EPA on March 11, 2005. [40 CFR 63.7545(b)]

EQT036 4-78 - No. 1 Recovery Boiler

217 Determine sulfur dioxide and sulfuric acid mist concentrations in stack gases using the methods in LAC 33:III.1503.D.Table 4. Use these methods for initial compliance determinations and for additional compliance determinations for those facilities not subject to continuous emission monitoring. [LAC 33:III.1503.D.1]

218 Equipment/operational data recordkeeping by electronic or hard copy continuously. Record and keep on site for at least two years the data required to demonstrate compliance with the provisions of LAC 33:III.Chapter 15. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request. [LAC 33:III.1513]

219 Submit report: Due annually, by the 31st of March, in accordance with LAC 33:III.918. Report data required to demonstrate compliance with the provisions of LAC 33:III.Chapter 15. [LAC 33:III.1513]

220 Submit quarterly reports of three-hour excess emissions and prompt reports of emergency occurrences, in accordance with LAC 33:III.927. [LAC 33:III.1513]

221 Total suspended particulate <= 4.0 lb/ton (equivalent pulp ton). [LAC 33:III.2301.D.1.a]
Which Months: All Year Phases: Statistical Basis:

222 Total reduced sulfur <= 5 ppmv corrected to 8% oxygen. [LAC 33:III.2301.D.3.a]
Which Months: All Year Phases: Statistical Basis:

223 Confirm particulate emissions are less than that specified in LAC 33:III.2301.D.1 annually using Method 5 of 40 CFR 60, Appendix A. The results shall be submitted to the Office of Environmental Assessment, Environmental Technology Division as specified in LAC 33:III.919 and 918. [LAC 33:III.2301.D.4.a]

224 Opacity <= 40 percent, except that emitted may have an average opacity in excess of 40 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.2301.D.4]
Which Months: All Year Statistical Basis: Six-minute average

225 To maintain heat input from fuel oil below the threshold for applicability of the 40 CFR 60 Subpart D, permittee shall maintain the fuel oil annual capacity factor less than 10%. The fossil fuel annual capacity factor shall be calculated and recorded each month, as well as the factor for the last twelve consecutive months. These records shall be kept on site and available for inspection by the Office of Environmental Compliance, Surveillance Division. A report showing the monthly fossil fuel annual capacity factor for the last six months, as well as the factors for the twelve month periods which end in the preceding six month period, shall be submitted to the Office of Environmental Compliance, Enforcement Division, semiannually in accordance with Part 70 General Condition K. The boiler shall become subject to NSPS Subpart D if the fossil fuel annual capacity factor is greater than or equal to 10% in any twelve consecutive month period, and shall remain subject to such regulations for the life of the boiler. [LAC 33:III.501.C.6]

226 Opacity <= 20 percent. Having installed opacity monitors pursuant to the requirements of permit no. PSD-LA-93, permittee shall diligently maintain and operate opacity monitors. The span of the monitoring system shall be set at 70 percent opacity in accordance with 40 CFR 60.284(a)(1). Opacity as measured by these monitors shall not exceed 20 percent except for one six-minute period per hour when 27 percent opacity will be allowed. The opacity exceedences shall be recorded each month, as well as the opacity exceedances for the last twelve months. These records shall be kept on site and made available for inspection by DEQ personnel. A report showing the opacity exceedances shall comply with the reporting requirements of 40 CFR 70.6(a)(3)(iii)(A) and (B) and shall be submitted to the Office of Environmental Services, Surveillance Division semiannually on March 31 and September 30 for the preceeding six month period. [LAC 33:III.509]
Which Months: All Year Statistical Basis: Constant

227 Nitrogen oxides <= 1.6 lb/ton of black liquor solids (lb/TBLS). [LAC 33:III.509]
Which Months: All Year Statistical Basis: Hourly maximum

EQT036 **4-78 - No. 1 Recovery Boiler**

228 Sulfur dioxide <= 2.58 lb/ton of black liquor solids (lb/TBLS). [LAC 33:III.509]
Which Months: All Year Statistical Basis: Hourly maximum

229 Carbon monoxide <= 4.7 lb/ton of black liquor solids (lb/TBLS). [LAC 33:III.509]
Which Months: All Year Statistical Basis: Hourly maximum

230 VOC, Total <= 0.38 lb/ton of black liquor solids (lb/TBLS). [LAC 33:III.509]
Which Months: All Year Statistical Basis: Hourly maximum

231 Particulate matter (10 microns or less) <= 0.044 gr/dscf at 8% oxygen. Compliance with this limit shall be demonstrated by conducting annual performance testing as required by LAC 33:III.2301.D.4.a and performing scheduled electrostatic precipitator maintenance. [LAC 33:III.509]
Which Months: All Year Statistical Basis: 3-hour block average

232 Particulate matter (10 microns or less) <= 0.02 gr/dscf at 8% oxygen. Compliance with this limit shall be demonstrated by conducting annual performance testing as required by LAC 33:III.2301.D.4.a and performing scheduled electrostatic precipitator maintenance. [LAC 33:III.509]
Which Months: All Year Statistical Basis: Annual average

233 Total reduced sulfur <= 5 ppmv at 8% oxygen. Compliance with this limit shall be determined using the existing total reduced sulfur CEMS. [LAC 33:III.509]
Which Months: All Year Statistical Basis: Hourly maximum

234 Total reduced sulfur <= 2.41 ppmv at 8% oxygen. Compliance with this limit shall be determined using the existing total reduced sulfur CEMS. [LAC 33:III.509]
Which Months: All Year Statistical Basis: Annual average

235 Fuel rate <= 10 percent for fossil fuels. Determined as BACT. [LAC 33:III.509]
Which Months: All Year Statistical Basis: Annual maximum

236 Permittee shall use proper boiler design, good combustion practices, and low-sulfur fuel in order to control emissions of sulfur dioxide. Permittee shall use proper boiler design, good combustion practices, and low NOx burners for fossil fuel firing in order to control emissions of nitrogen oxides. Permittee shall use proper boiler design and good combustion practices in order to control emissions of carbon monoxide and volatile organic compounds. Permittee shall use the existing electrostatic precipitator (ESP) in order to control emissions of particulate matter. Permittee shall use low-odor design and combustion optimization in order to control emissions of total reduced sulfur and hydrogen sulfide. Permittee shall use proper boiler design in order to control emissions of sulfuric acid. Determined as BACT. [LAC 33:III.509]

237 Permittee shall vent emission from this source to an electrostatic precipitator with a particulate matter removal efficiency of no less than 99.7 percent and a lead removal efficiency of greater than 80 percent. [LAC 33:III.509]

238 Permittee shall install oxygen flue gas monitors to continuously monitor a representative sample of the flue gas. Feedback controls from the oxygen monitor shall continuously maintain low excess air (LEA) air/fuel ratio parameters in the combustion mixtures. This unit shall be fired only under LEA conditions. Performance test shall be conducted and operating procedures established in accordance with "Use of Flue Gas Oxygen Meter as BACT for Combustion Controls", attached to the PSD permit. Compliance with the carbon monoxide emissions limits shall be demonstrated through operation above established minimum percent oxygen content in the flue gas. [LAC 33:III.509]

239 Comply with 40 CFR 63 Subpart MM. Determined as MACT. [LAC 33:III.5109.A]

240 Total suspended particulate <= 0.044 gr/dscf corrected to 8% oxygen. [40 CFR 60.282(a)(1)]
Which Months: All Year Phases: Statistical Basis:

241 Opacity < 35 percent. [40 CFR 60.282(a)(1)]
Which Months: All Year Statistical Basis: Six-minute average

242 Total reduced sulfur <= 5 ppmdv @ 8% oxygen. [40 CFR 60.283(a)(2)]
Which Months: All Year Phases: Statistical Basis:

243 Opacity monitored by continuous opacity monitor (COM) continuously. [40 CFR 60.284(a)(1)]
Which Months: All Year Statistical Basis: Six-minute average

EQT036 4-78 - No. 1 Recovery Boiler

244 Oxygen monitored by CMS continuously. [40 CFR 60.284(a)(2)]
Which Months: All Year Statistical Basis: One-hour average

245 Total reduced sulfur monitored by continuous emission monitor (CEM) continuously. [40 CFR 60.284(a)(2)]
Which Months: All Year Statistical Basis: One-hour average

246 Calculate and record on a daily basis 12-hour average TRS concentrations for the two consecutive periods of each operating day. Each 12-hour average shall be determined as the arithmetic mean of the appropriate 12 contiguous 1-hour average total reduced sulfur concentrations provided by the continuous monitoring system. [40 CFR 60.284(c)(1)]

247 Calculate and record on a daily basis 12-hour average oxygen concentrations for the two consecutive periods of each operating day. These 12-hour averages shall correspond to the 12-hour average TRS concentrations under 60.284(c)(1) and shall be determined as an arithmetic mean of the appropriate 12 contiguous 1-hour average oxygen concentrations provided by the continuous monitoring system. [40 CFR 60.284(c)(2)]

248 Correct all 12-hour average TRS concentrations to 8 volume percent oxygen. [40 CFR 60.284(c)(3)]

249 The procedures under 60.13 shall be followed for installation, evaluation, and operation of the continuous monitoring systems. All continuous monitoring systems shall be operated in accordance with the applicable procedures under Performance Specifications 1, 3, and 5 of appendix B to part 60. Quarterly accuracy determinations and daily calibration drift tests shall be performed in accordance with Procedure 1 of appendix F to part 60. Procedure 1 of appendix F shall not apply to the TRS CEMS if 60.284(f) is revised or EPA otherwise clarifies in writing that this procedure does not apply to TRS CEMS. [40 CFR 60.284(f)]

250 Report semiannually periods of excess emissions as defined in 60.284(d). [40 CFR 60.7(c)]

251 Total suspended particulate <= 0.044 gr/dscf @ 8% oxygen. [40 CFR 63.862(a)(1)(i)(A)]
Which Months: All Year Phases: Statistical Basis:

252 Opacity monitored by continuous opacity monitor (COM) continuously. As specified in 63.8(c)(4)(i), each COMS must complete a minimum of one cycle of sampling and analyzing for each successive 10-second period and one cycle of data recording for each successive 6-minute period. The COMS data must be reduced as specified in 63.8(g)(2). [40 CFR 63.864(d)]
Which Months: All Year Statistical Basis: None specified

253 Permittee shall implement corrective action, as specified in the startup, shutdown, and malfunction plan when the average of ten consecutive 6-minute averages result in a measurement greater than 20 percent opacity. [40 CFR 63.864(k)(1)]

254 Permittee is in violation of the standards of 63.862 when opacity is greater than 35 percent for 6 percent or more of the operating time within any quarterly period. [40 CFR 63.864(k)(2)]

255 Develop and implement a written plan as described in 63.6(e)(3) that contains specific procedures to be followed for operating the source and maintaining the source during periods of startup, shutdown, and malfunction, and a program of corrective action for malfunctioning process and control systems used to comply with the standards. The plan must also include the requirements in paragraphs (a)(1) and (2) of 60.866. [40 CFR 63.866(a)]

256 Maintain records of any occurrence when corrective action is required under 63.864(k)(1) and when a violation is noted under 63.864(k)(2). [40 CFR 63.866(b)]

257 In addition to the general records required by 63.10(b)(2), maintain records of the information in paragraphs (c)(1) through (7) of 60.866, as applicable. [40 CFR 63.866(c)]

258 Submit the applicable notifications from subpart A of part 63, as specified in Table 1 of subpart MM. [40 CFR 63.867(a)(1)]

259 Report quarterly if measured parameters meet any of the conditions specified in paragraph (k)(1) or (2) of 63.864. This report must contain the information specified in 63.10(c) of this part as well as the number and duration of occurrences when the source met or exceeded the conditions in 63.864(k)(1), and the number and duration of occurrences when the source met or exceeded the conditions in 63.864(k)(2). Reporting excess emissions below the violation thresholds of 63.864(k) does not constitute a violation of the applicable standard. When no exceedances of parameters have occurred, the owner or operator must submit a semiannual report stating that no excess emissions occurred during the reporting period. [40 CFR 63.867(c)]

EQT037 5-78 - No. 2 Recovery Boiler

EQT037 **5-78 - No. 2 Recovery Boiler**

260 Determine sulfur dioxide and sulfuric acid mist concentrations in stack gases using the methods in LAC 33:III.1503.D.Table 4. Use these methods for initial compliance determinations and for additional compliance determinations for those facilities not subject to continuous emission monitoring. [LAC 33:III.1503.D.1]

261 Equipment/operational data recordkeeping by electronic or hard copy continuously. Record and keep on site for at least two years the data required to demonstrate compliance with the provisions of LAC 33:III.Chapter 15. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request. [LAC 33:III.1513]

262 Submit report: Due annually, by the 31st of March, in accordance with LAC 33:III.918. Report data required to demonstrate compliance with the provisions of LAC 33:III.Chapter 15. [LAC 33:III.1513]

263 Submit quarterly reports of three-hour excess emissions and prompt reports of emergency occurrences, in accordance with LAC 33:III.927. [LAC 33:III.1513]

264 Total suspended particulate <= 4.0 lb/ton (equivalent pulp ton). [LAC 33:III.2301.D.1.a]
Which Months: All Year Phases: Statistical Basis:

265 Total reduced sulfur <= 5 ppmv corrected to 8% oxygen. [LAC 33:III.2301.D.3.a]
Which Months: All Year Phases: Statistical Basis:

266 Confirm particulate emissions are less than that specified in LAC 33:III.2301.D.1 annually using Method 5 of 40 CFR 60, Appendix A. The results shall be submitted to the Office of Environmental Assessment, Environmental Technology Division as specified in LAC 33:III.919 and 918. [LAC 33:III.2301.D.4.a]

267 Opacity <= 40 percent, except that emitted may have an average opacity in excess of 40 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.2301.D.4]
Which Months: All Year Statistical Basis: Six-minute average

268 To maintain heat input from fuel oil below the threshold for applicability of the 40 CFR 60 Subpart D, permittee shall maintain the fuel oil annual capacity factor less than 10%. The fossil fuel annual capacity factor shall be calculated and recorded each month, as well as the factor for the last twelve consecutive months. These records shall be kept on site and available for inspection by the Office of Environmental Compliance, Surveillance Division. A report showing the monthly fossil fuel annual capacity factor for the last six months, as well as the factors for the twelve month periods which end in the preceding six month period, shall be submitted to the Office of Environmental Compliance, Enforcement Division, semiannually in accordance with Part 70 General Condition K. The boiler shall become subject to NSPS Subpart D if the fossil fuel annual capacity factor is greater than or equal to 10% in any twelve consecutive month period, and shall remain subject to such regulations for the life of the boiler. [LAC 33:III.501.C.6]

269 Opacity <= 20 percent. Having installed opacity monitors pursuant to the requirements of permit no. PSD-LA-93, permittee shall diligently maintain and operate opacity monitors. The span of the monitoring system shall be set at 70 percent opacity in accordance with 40 CFR 60.284(a)(1). Opacity as measured by these monitors shall not exceed 20 percent except for one six-minute period per hour when 27 percent opacity will be allowed. The opacity exceedences shall be recorded each month, as well as the opacity exceedances for the last twelve months. These records shall be kept on site and made available for inspection by DEQ personnel. A report showing the opacity exceedances shall comply with the reporting requirements of 40 CFR 70.6(a)(3)(iii)(A) and (B) and shall be submitted to the Office of Environmental Services, Surveillance Division semiannually on March 31 and September 30 for the preceeding six month period. [LAC 33:III.509]
Which Months: All Year Statistical Basis: Constant

270 Nitrogen oxides <= 1.6 lb/ton of black liquor solids (lb/TBLS). [LAC 33:III.509]
Which Months: All Year Statistical Basis: Hourly maximum

271 Sulfur dioxide <= 2.58 lb/ton of black liquor solids (lb/TBLS). [LAC 33:III.509]
Which Months: All Year Statistical Basis: Hourly maximum

272 Carbon monoxide <= 4.7 lb/ton of black liquor solids (lb/TBLS). [LAC 33:III.509]
Which Months: All Year Statistical Basis: Hourly maximum

273 VOC, Total <= 0.38 lb/ton of black liquor solids (lb/TBLS). [LAC 33:III.509]
Which Months: All Year Statistical Basis: Hourly maximum

EQT037 **5-78 - No. 2 Recovery Boiler**

274 Particulate matter (10 microns or less) <= 0.044 gr/dscf at 8% oxygen. Compliance with this limit shall be demonstrated by conducting annual performance testing as required by LAC 33:III.2301.D.4.a and performing scheduled electrostatic precipitator maintenance. [LAC 33:III.509]
Which Months: All Year Statistical Basis: 3-hour block average

275 Particulate matter (10 microns or less) <= 0.02 gr/dscf at 8% oxygen. Compliance with this limit shall be demonstrated by conducting annual performance testing as required by LAC 33:III.2301.D.4.a and performing scheduled electrostatic precipitator maintenance. [LAC 33:III.509]
Which Months: All Year Statistical Basis: Annual average

276 Total reduced sulfur <= 5 ppmv at 8% oxygen. Compliance with this limit shall be determined using the existing total reduced sulfur CEMS. [LAC 33:III.509]
Which Months: All Year Statistical Basis: Hourly maximum

277 Total reduced sulfur <= 2.41 ppmv at 8% oxygen. Compliance with this limit shall be determined using the existing total reduced sulfur CEMS. [LAC 33:III.509]
Which Months: All Year Statistical Basis: Annual average

278 Fuel rate <= 10 percent for fossil fuels. Determined as BACT. [LAC 33:III.509]
Which Months: All Year Statistical Basis: Annual maximum

279 Permittee shall use proper boiler design, good combustion practices, and low-sulfur fuel in order to control emissions of sulfur dioxide. Permittee shall use proper boiler design, good combustion practices, and low NOx burners for fossil fuel firing in order to control emissions of nitrogen oxides. Permittee shall use proper boiler design and good combustion practices in order to control emissions of carbon monoxide and volatile organic compounds. Permittee shall use the existing electrostatic precipitator (ESP) in order to control emissions of particulate matter. Permittee shall use low-odro design and combustion optimization in order to control emissions of total reduced sulfur and hydrogen sulfide. Permittee shall use proper boiler design in order to control emissions of sulfuric acid. Determined as BACT. [LAC 33:III.509]

280 Permittee shall vent emission from this source to an electrostatic precipitator with a particulate matter removal efficiency of no less than 99.7 percent and a lead removal efficiency of greater than 80 percent. [LAC 33:III.509]

281 Permittee shall install oxygen flue gas monitors to continuously monitor a representative sample of the flue gas. Feedback controls from the oxygen monitor shall continuously maintain low excess air (LEA) air/fuel ratio parameters in the combustion mixtures. This unit shall be fired only under LEA conditions. Performance test shall be conducted and operating procedures established in accordance with "Use of Flue Gas Oxygen Meter as BACT for Combustion Controls", attached to the PSD permit. Compliance with the carbon monoxide emissions limits shall be demonstrated through operation above established minimum percent oxygen content in the flue gas. [LAC 33:III.509]

282 Comply with 40 CFR 63 Subpart MM. Determined as MACT. [LAC 33:III.5109.A]

283 Opacity < 35 percent. [40 CFR 60.282(a)(1)]
Which Months: All Year Statistical Basis: Six-minute average

284 Total suspended particulate <= 0.044 gr/dscf corrected to 8% oxygen. [40 CFR 60.282(a)(1)]
Which Months: All Year Phases: Statistical Basis:

285 Total reduced sulfur <= 5 ppmdv @ 8% oxygen. [40 CFR 60.283(a)(2)]
Which Months: All Year Phases: Statistical Basis:

286 Opacity monitored by continuous opacity monitor (COM) continuously. [40 CFR 60.284(a)(1)]
Which Months: All Year Statistical Basis: Six-minute average

287 Oxygen monitored by CMS continuously. [40 CFR 60.284(a)(2)]
Which Months: All Year Statistical Basis: One-hour average

288 Total reduced sulfur monitored by continuous emission monitor (CEM) continuously. [40 CFR 60.284(a)(2)]
Which Months: All Year Statistical Basis: One-hour average

289 Calculate and record on a daily basis 12-hour average TRS concentrations for the two consecutive periods of each operating day. Each 12-hour average shall be determined as the arithmetic mean of the appropriate 12 contiguous 1-hour average total reduced sulfur concentrations provided by the continuous monitoring system. [40 CFR 60.284(c)(1)]

EQT037 5-78 - No. 2 Recovery Boiler

290 Calculate and record on a daily basis 12-hour average oxygen concentrations for the two consecutive periods of each operating day. These 12-hour averages shall correspond to the 12-hour average TRS concentrations under 60.284(c)(1) and shall be determined as an arithmetic mean of the appropriate 12 contiguous 1-hour average oxygen concentrations provided by the continuous monitoring system. [40 CFR 60.284(c)(1)]

291 Correct all 12-hour average TRS concentrations to 8 volume percent oxygen. [40 CFR 60.284(c)(3)]

292 The procedures under 60.13 shall be followed for installation, evaluation, and operation of the continuous monitoring systems. All continuous monitoring systems shall be operated in accordance with the applicable procedures under Performance Specifications 1, 3, and 5 of appendix B to part 60. Quarterly accuracy determinations and daily calibration drift tests shall be performed in accordance with Procedure 1 of appendix F to part 60. Procedure 1 of appendix F shall not apply to the TRS CEMS if 60.284(f) is revised or EPA otherwise clarifies in writing that this procedure does not apply to TRS CEMS. [40 CFR 60.284(f)]

293 Report semiannually periods of excess emissions as defined in 60.284(d). [40 CFR 60.7(c)]

294 Maintain records of any occurrence when corrective action is required under 63.864(k)(1) and when a violation is noted under 63.864(k)(2). [40 CFR 61.866(b)]

295 Total suspended particulate <= 0.044 gr/dscf @ 8% oxygen. [40 CFR 63.862(a)(1)(i)(A)]
Which Months: All Year Phases: Statistical Basis:

296 Opacity monitored by continuous opacity monitor (COM) continuously. As specified in 63.8(c)(4)(i), each COMS must complete a minimum of one cycle of sampling and analyzing for each successive 10-second period and one cycle of data recording for each successive 6-minute period. The COMS data must be reduced as specified in 63.8(g)(2). [40 CFR 63.864(d)]
Which Months: All Year Statistical Basis: None specified

297 Permittee shall implement corrective action, as specified in the startup, shutdown, and malfunction plan when the average of ten consecutive 6-minute averages result in a measurement greater than 20 percent opacity. [40 CFR 63.864(k)(1)]

298 Permittee is in violation of the standards of 63.862 when opacity is greater than 35 percent for 6 percent or more of the operating time within any quarterly period. [40 CFR 63.864(k)(2)]

299 Develop and implement a written plan as described in 63.6(e)(3) that contains specific procedures to be followed for operating the source and maintaining the source during periods of startup, shutdown, and malfunction, and a program of corrective action for malfunctioning process and control systems used to comply with the standards. The plan must also include the requirements in paragraphs (a)(1) and (2) of 60.866. [40 CFR 63.866(a)]

300 In addition to the general records required by 63.10(b)(2), maintain records of the information in paragraphs (c)(1) through (7) of 60.866, as applicable. [40 CFR 63.866(c)]

301 Submit the applicable notifications from subpart A of part 63, as specified in Table 1 of subpart MM. [40 CFR 63.867(a)(1)]

302 Report quarterly if measured parameters meet any of the conditions specified in paragraph (k)(1) or (2) of 63.864. This report must contain the information specified in 63.10(c) of this part as well as the number and duration of occurrences when the source met or exceeded the conditions in 63.864(k)(1), and the number and duration of occurrences when the source met or exceeded the conditions in 63.864(k)(2). Reporting excess emissions below the violation thresholds of 63.864(k) does not constitute a violation of the applicable standard. When no exceedances of parameters have occurred, the owner or operator must submit a semiannual report stating that no excess emissions occurred during the reporting period. [40 CFR 63.867(c)]

EQT038 7-78 - No. 2 Smelt Dissolving Tank

303 Equipment/operational data recordkeeping by electronic or hard copy continuously. Record and keep on site for at least two years the data required to demonstrate exemption from the provisions of LAC 33:III.Chapter 15. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request. [LAC 33:III.1513]

304 Total suspended particulate <= 0.5 lb/ton (equivalent pulp ton). [LAC 33:III.2301.D.1.b]
Which Months: All Year Phases: Statistical Basis:

EQT038 **7-78 - No. 2 Smelt Dissolving Tank**

305 Total reduced sulfur <= 0.016 g/kg black liquor solids fired. [LAC 33:III.2301.D.3.f]
Which Months: All Year Phases: Statistical Basis:

306 Total reduced sulfur <= 0.019 lb/ton of black liquor solids (lb/TBLS). [LAC 33:III.509]

307 Permittee shall utilize a wet scrubber to control emissions of particulate matter and total reduced sulfur. The wet scrubber shall have a particulate matter removal efficiency of no less than 99.5 percent. [LAC 33:III.509]

308 Permittee shall use good process controls for recovery boilers in order to control emissions of sulfur dioxide, nitrogen oxides, carbon monoxide, and volatile organic compounds. [LAC 33:III.509]

309 Comply with 40 CFR 63 Subpart MM. Determined as MACT. [LAC 33:III.5109.A]

310 In lieu of monitoring pressure loss of the gas stream through the control equipment per 60.284(b)(2), fan electrical Flow monitored by ammeter continuously. Record once per shift. [40 CFR 60.13(i)]
Which Months: All Year Statistical Basis: None specified

311 Total suspended particulate <= 0.2 lb/ton black liquor solids (dry weight). [40 CFR 60.282(a)(2)]
Which Months: All Year Phases: Statistical Basis:

312 Total reduced sulfur <= 0.033 lb/ton black liquor solids as H2S. [40 CFR 60.283(a)(4)]

313 Scrubbing liquid supply Pressure monitored by pressure instrument continuously. The monitoring device is to be certified by the manufacturer to be accurate within ±15 percent of design scrubbing liquid supply pressure. The pressure sensor or tap is to be located close to the scrubber liquid discharge point. Record once per shift. Compliance with 40 CFR 63 Subpart MM satisfies this condition. [40 CFR 60.284(b)(2)]
Which Months: All Year Statistical Basis: None specified

314 Total suspended particulate <= 0.20 lb/ton of black liquor solids fired. [40 CFR 63.862(a)(1)(i)(b)]
Which Months: All Year Phases: Statistical Basis:

315 Flow monitored by flow rate monitoring device once every 15 minutes. The monitoring device used for continuous measurement of the scrubbing liquid flow rate must be certified by the manufacturer to be accurate within ±5 percent of the design scrubbing liquid flow rate. [40 CFR 63.864(e)(10)]
Which Months: All Year Statistical Basis: Three-hour average

316 In lieu of monitoring the pressure drop across the scrubber per 63.864(e)(10), fan electrical Flow monitored by ammeter continuously. Approved by EPA September 8, 2003. [40 CFR 63.864(e)(13)]
Which Months: All Year Statistical Basis: None specified

317 During the initial performance test required in 63.865, the permittee shall establish operating ranges for the monitoring parameters in 63.864(e), as appropriate; orB
□
Base operating ranges on values recorded during previous performance tests or conduct additional performance tests for the specific purpose of establishing operating ranges, provided that test data used to establish the operating ranges are or have been obtained using the test methods required in Subpart MM. The permittee must certify that all control techniques and processes have not been modified subsequent to the testing upon which the data used to establish the operating parameter ranges were obtained.S
□
Establish expanded or replacement operating ranges for the monitoring parameter values listed in 63.864(e) and established in 63.864(j)(1) or (2) during subsequent performance tests using the test methods in 63.865.□
□
Continuously monitor each parameter and determine the arithmetic average value of each parameter during each performance test. Multiple performance tests may be conducted to establish a range of parameter values. [40 CFR 63.864(j)]

318 Permittee shall implement corrective action, as specified in the startup, shutdown, and malfunction plan when any 3-hour average parameter value is outside the range of values established in 63.864(j). [40 CFR 63.864(k)(1)]

EQT038 7-78 - No. 2 Smelt Dissolving Tank

319 Permittee is in violation of the standards of 63.862 when six or more 3-hour average parameter values within any 6-month reporting period are outside the range of values established in 63.864(j). No more than one exceedance will be attributed in any given 24-hour period. [40 CFR 63.864(k)(2)]

320 Develop and implement a written plan as described in 63.6(e)(3) that contains specific procedures to be followed for operating the source and maintaining the source during periods of startup, shutdown, and malfunction, and a program of corrective action for malfunctioning process and control systems used to comply with the standards. The plan must also include the requirements in paragraphs (a)(1) and (2) of 60.866. [40 CFR 63.866(a)]

321 Maintain records of any occurrence when corrective action is required under 63.864(k)(1) and when a violation is noted under 63.864(k)(2). [40 CFR 63.866(b)]

322 In addition to the general records required by 63.10(b)(2), maintain records of the information in paragraphs (c)(1) through (7) of 60.866, as applicable. [40 CFR 63.866(c)]

323 Submit the applicable notifications from subpart A of part 63, as specified in Table 1 of subpart MM. [40 CFR 63.867(a)(1)]

324 Report quarterly if measured parameters meet any of the conditions specified in paragraph (k)(1) or (2) of 63.864. This report must contain the information specified in 63.10(c) of this part as well as the number and duration of occurrences when the source met or exceeded the conditions in 63.864(k)(1), and the number and duration of occurrences when the source met or exceeded the conditions in 63.864(k)(2). Reporting excess emissions below the violation thresholds of 63.864(k) does not constitute a violation of the applicable standard. When no exceedances of parameters have occurred, the owner or operator must submit a semiannual report stating that no excess emissions occurred during the reporting period. [40 CFR 63.867(c)]

EQT054 28-93a - Process Liquor Tanks - Primary Weak Black Liquor Storage Tank East

325 No additional control is determined to be BACT. [LAC 33:III.509]

326 No additional control is determined to be MACT. [LAC 33:III.5109.A]

EQT055 28-93b - Process Liquor Tanks - Primary Weak Black Liquor Storage Tank West

327 No additional control is determined to be BACT. [LAC 33:III.509]

328 No additional control is determined to be MACT. [LAC 33:III.5109.A]

EQT056 28-93c - Process Liquor Tanks - Secondary Weak Black Liquor Storage Tank

329 No additional control is determined to be BACT. [LAC 33:III.509]

330 No additional control is determined to be MACT. [LAC 33:III.5109.A]

EQT057 28-93d - Process Liquor Tanks - Semichemical Weak Black Liquor Storage Tank

331 No additional control is determined to be BACT. [LAC 33:III.509]

332 No additional control is determined to be MACT. [LAC 33:III.5109.A]

EQT058 28-93e - Process Liquor Tanks - Swing Weak Black Liquor Storage Tank

333 No additional control is determined to be BACT. [LAC 33:III.509]

334 No additional control is determined to be MACT. [LAC 33:III.5109.A]

EQT059 28-93f - Process Liquor Tanks - No. 1 Intermediate Black Liquor Storage Tank

EQT059 28-93f - Process Liquor Tanks - No. 1 Intermediate Black Liquor Storage Tank

335 No additional control is determined to be BACT. [LAC 33:III.509]
336 No additional control is determined to be MACT. [LAC 33:III.5109.A]

EQT060 28-93g - Process Liquor Tanks - No. 2 Intermediate Black Liquor Storage Tank

337 No additional control is determined to be BACT. [LAC 33:III.509]
338 No additional control is determined to be MACT. [LAC 33:III.5109.A]

EQT061 28-93h - Process Liquor Tanks - Heavy Black Liquor Storage Tank

339 No additional control is determined to be BACT. [LAC 33:III.509]
340 No additional control is determined to be MACT. [LAC 33:III.5109.A]

EQT062 28-93k - Process Liquor Tanks - Soap Skimmer Tank (No. 2)

341 No additional control is determined to be BACT. [LAC 33:III.509]
342 No additional control is determined to be MACT. [LAC 33:III.5109.A]

EQT063 28-93l - Process Liquor Tanks - Soap Collection Tank (No. 1)

343 No additional control is determined to be BACT. [LAC 33:III.509]
344 No additional control is determined to be MACT. [LAC 33:III.5109.A]

EQT064 28-93m - Process Liquor Tanks - Soap Collection Tank (No. 2)

345 No additional control is determined to be BACT. [LAC 33:III.509]
346 No additional control is determined to be MACT. [LAC 33:III.5109.A]

EQT065 28-93n - Process Liquor Tanks - Soap Storage Tank

347 No additional control is determined to be BACT. [LAC 33:III.509]
348 No additional control is determined to be MACT. [LAC 33:III.5109.A]

EQT066 28-93o - Boilout Tank

349 No additional control is determined to be BACT. [LAC 33:III.509]
350 No additional control is determined to be MACT. [LAC 33:III.5109.A]

EQT067 28-93p - No. 1 Spill Tank

351 No additional control is determined to be BACT. [LAC 33:III.509]
352 No additional control is determined to be MACT. [LAC 33:III.5109.A]

EQT068 28-93q - No. 2 Spill Tank

353 No additional control is determined to be BACT. [LAC 33:III.509]
354 No additional control is determined to be MACT. [LAC 33:III.5109.A]

EQT069 28-93r - #1 RB Black Liquor Dump Tank

355 No additional control is determined to be BACT. [LAC 33:III.509]
356 No additional control is determined to be MACT. [LAC 33:III.5109.A]

EQT070 28-93s - #2 RB Black Liquor Dump Tank

357 No additional control is determined to be BACT. [LAC 33:III.509]
358 No additional control is determined to be MACT. [LAC 33:III.5109.A]

EQT071 29-93a - Causticizing Area - No. 1 Green Liquor Clarifier

359 No additional control is determined to be BACT. [LAC 33:III.509]
360 No additional control is determined to be MACT. [LAC 33:III.5109.A]

EQT072 29-93b - Causticizing Area - No. 2 Green Liquor Clarifier

361 No additional control is determined to be BACT. [LAC 33:III.509]
362 No additional control is determined to be MACT. [LAC 33:III.5109.A]

EQT073 29-93c - Causticizing Area - No. 1 Green Liquor Storage Tank

363 No additional control is determined to be MACT. [LAC 33:III.5109.A]

EQT074 29-93d - Causticizing Area - No. 2 Green Liquor Storage Tank

364 No additional control is determined to be BACT. [LAC 33:III.509]
365 No additional control is determined to be MACT. [LAC 33:III.5109.A]

EQT075 29-93j - Causticizing Area - No. 1 Weak Wash Tank

366 No additional control is determined to be BACT. [LAC 33:III.509]
367 No additional control is determined to be MACT. [LAC 33:III.5109.A]

EQT076 29-93k - Causticizing Area - No. 2 Weak Wash Tank

368 No additional control is determined to be BACT. [LAC 33:III.509]
369 No additional control is determined to be MACT. [LAC 33:III.5109.A]

EQT077 **29-93l - Causticizing Area - No. 1 White Liquor Clarifier**

370 No additional control is determined to be BACT. [LAC 33:III.509]
371 No additional control is determined to be MACT. [LAC 33:III.5109.A]

EQT078 **29-93m - Causticizing Area - No. 2 White Liquor Clarifier**

372 No additional control is determined to be BACT. [LAC 33:III.509]
373 No additional control is determined to be MACT. [LAC 33:III.5109.A]

EQT079 **29-93n - Causticizing Area - No. 1 White Liquor Storage Tank**

374 No additional control is determined to be BACT. [LAC 33:III.509]
375 No additional control is determined to be MACT. [LAC 33:III.5109.A]

EQT080 **29-93o - Causticizing Area - No. 2 White Liquor Storage Tank**

376 No additional control is determined to be BACT. [LAC 33:III.509]
377 No additional control is determined to be MACT. [LAC 33:III.5109.A]

EQT081 **29-93p - Causticizing Area - No. 3 White Liquor Storage Tank**

378 No additional control is determined to be BACT. [LAC 33:III.509]
379 No additional control is determined to be MACT. [LAC 33:III.5109.A]

EQT082 **29-93q - Causticizing Area - Lime Mud Mix Tank**

380 No additional control is determined to be BACT. [LAC 33:III.509]
381 No additional control is determined to be MACT. [LAC 33:III.5109.A]

EQT083 **29-93t - Causticizing Area - Lime Mud Storage Tank**

382 No additional control is determined to be BACT. [LAC 33:III.509]
383 No additional control is determined to be MACT. [LAC 33:III.5109.A]

EQT084 **29-93v - Waste Clarifier**

384 No additional control is determined to be BACT. [LAC 33:III.509]
385 No additional control is determined to be MACT. [LAC 33:III.5109.A]

EQT085 **29-93w - Sodium Hydrosulfide Tank #1**

386 No additional control is determined to be BACT. [LAC 33:III.509]
387 No additional control is determined to be MACT. [LAC 33:III.5109.A]

EQT086 **29-93x - Sodium Hydrosulfide Tank #2**

388 No additional control is determined to be BACT. [LAC 33:III.509]
389 No additional control is determined to be MACT. [LAC 33:III.5109.A]

EQT087 **31-93i - Pulp Mill Tanks - Primary High Density Storage Chest A**

390 No additional control is determined to be BACT. [LAC 33:III.509]
391 No additional control is determined to be MACT. [LAC 33:III.5109.A]

EQT088 **31-93j - Pulp Mill Tanks - Primary High Density Storage Chest B**

392 No additional control is determined to be BACT. [LAC 33:III.509]
393 No additional control is determined to be MACT. [LAC 33:III.5109.A]

EQT089 **31-93k - Pulp Mill Tanks - Primary High Density Storage Chest C**

394 No additional control is determined to be BACT. [LAC 33:III.509]
395 No additional control is determined to be MACT. [LAC 33:III.5109.A]

EQT090 **31-93l - Pulp Mill Tanks - Secondary High Density Storage Chest**

396 No additional control is determined to be BACT. [LAC 33:III.509]
397 No additional control is determined to be MACT. [LAC 33:III.5109.A]

EQT091 **31-93m - Pulp Mill Tanks - Semichemical High Density Storage Chest**

398 No additional control is determined to be BACT. [LAC 33:III.509]
399 No additional control is determined to be MACT. [LAC 33:III.5109.A]

EQT092 **31-93n - Pine Digester Dump Tank**

400 No additional control is determined to be BACT. [LAC 33:III.509]
401 No additional control is determined to be MACT. [LAC 33:III.5109.A]

EQT093 **31-93o - Hardwood Digester Dump Tank**

402 No additional control is determined to be BACT. [LAC 33:III.509]
403 No additional control is determined to be MACT. [LAC 33:III.5109.A]

EQT094 **31-93p - Semichemical Digester Dump Tank**

404 No additional control is determined to be BACT. [LAC 33:III.509]
405 No additional control is determined to be MACT. [LAC 33:III.5109.A]

EQT096 40-96 - Unleaded Gasoline Bulk Tank

406 Equip with a submerged fill pipe. [LAC 33:III.2103.A]

407 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in LAC 33:III.2103.I.1 - 7, as applicable. [LAC 33:III.2103.I]

408 Permittee shall utilize a vapor recovery device to control emissions of volatile organic compounds from this source. [LAC 33:III.509]

409 Equip with submerged fill pipe. Determined as MACT. [LAC 33:III.5109.A]

EQT098 43-96 - No. 6 Fuel Oil Storage Tank

410 Equip with a submerged fill pipe. [LAC 33:III.509]

EQT099 44-96 - Fuel Oil Day Tank (No. 6)

411 Equip with a submerged fill pipe. [LAC 33:III.509]

EQT100 56-98b - Crude Tall Oil - Soap Receiving Tank

412 No additional control is determined to be MACT. [LAC 33:III.5109.A]

EQT101 56-98c - Crude Tall Oil - Soap Decanting Tank

413 No additional control is determined to be MACT. [LAC 33:III.5109.A]

EQT102 56-98d - Crude Tall Oil - Soap Blend Tank

414 No additional control is determined to be MACT. [LAC 33:III.5109.A]

EQT103 56-98e - Crude Tall Oil - Sulfuric Acid Storage Tank

415 No additional control is determined to be MACT. [LAC 33:III.5109.A]

EQT104 56-98g - Crude Tall Oil - Neutralized Brine Storage Tank

416 No additional control is determined to be MACT. [LAC 33:III.5109.A]

EQT105 56-98h - Crude Tall Oil - Brine Feed Tank

417 No additional control is determined to be MACT. [LAC 33:III.5109.A]

EQT111 14-93 - Repulper #1

418 No additional control is determined as BACT. [LAC 33:III.509]

419 No additional control is determined to be MACT. [LAC 33:III.5109.A]

EQT112 15-93 - Repulper #2

420 No additional control is determined as BACT. [LAC 33:III.509]
421 No additional control is determined to be MACT. [LAC 33:III.5109.A]

EQT113 16-93 - Repulper #3

422 No additional control is determined as BACT. [LAC 33:III.509]
423 No additional control is determined to be MACT. [LAC 33:III.5109.A]

EQT114 20-01n - No. 1 Paper Machine - Semichemical Fiber Sidehill Washing

424 No additional control is determined to be MACT. [LAC 33:III.5109.A]

EQT115 20-01o - No. 1 Paper Machine - HW Refiner Low Density Chest

425 No additional control is determined to be MACT. [LAC 33:III.5109.A]

EQT116 21-01p - No. 1 Paper Machine - Short Fiber Blend Chest

426 No additional control is determined to be MACT. [LAC 33:III.5109.A]

EQT117 20-93a - No. 1 Paper Machine - Grouped Source

427 No additional control is determined as BACT. [LAC 33:III.509]
428 No additional control is determined to be MACT. [LAC 33:III.5109.A]

EQT118 20-93b - No. 1 Paper Machine - Save-all Vent No. 1

429 No additional control is determined to be BACT. [LAC 33:III.509]
430 No additional control is determined to be MACT. [LAC 33:III.5109.A]

EQT119 20-93c - No. 1 Paper Machine - Save-all Mixing Chest

431 No additional control is determined to be MACT. [LAC 33:III.5109.A]

EQT120 20-93d - No. 1 Paper Machine - Save-all White Water Filtrate Chest

432 No additional control is determined to be MACT. [LAC 33:III.5109.A]

EQT121 20-93g - No. 1 Paper Machine - Broke Repulper

433 No additional control is determined to be MACT. [LAC 33:III.5109.A]

EQT122 20-93k - #1 PM Secondary Pine Low Density Chest

EQT122 20-93k - #1 PM Secondary Pine Low Density Chest

434 No additional control is determined to be MACT. [LAC 33:III.5109.A]

EQT123 20-93l - #1 PM Primary Pine Low Density Chest

435 No additional control is determined to be MACT. [LAC 33:III.5109.A]

EQT124 20-93m - #1 PM Hardwood Low Density Chest

436 No additional control is determined to be MACT. [LAC 33:III.5109.A]

EQT125 21-04k - No. 2 Paper Machine - No. 2 PM Stock Chest

437 No additional control is determined to be MACT. [LAC 33:III.5109.A]

EQT126 21-93a - No. 2 Paper Machine - Grouped Source

438 No additional control is determined to be BACT. [LAC 33:III.509]
439 No additional control is determined to be MACT. [LAC 33:III.5109.A]

EQT127 21-93b - No. 2 Paper Machine - Save-all Vent No. 1

440 No additional control is determined to be BACT. [LAC 33:III.509]
441 No additional control is determined to be MACT. [LAC 33:III.5109.A]

EQT128 21-93c - No. 2 Paper Machine - Save-all Mixed Stock Chest

442 No additional control is determined to be MACT. [LAC 33:III.5109.A]

EQT129 21-93d - No. 2 Paper Machine - Save-all White Water Filtrate Chest

443 No additional control is determined to be MACT. [LAC 33:III.5109.A]

EQT130 21-93f - No. 2 Paper Machine - Broke Repulper

444 No additional control is determined to be MACT. [LAC 33:III.5109.A]

EQT131 21-93i - #2 PM Pine Low Density Chest

445 No additional control is determined to be MACT. [LAC 33:III.5109.A]

EQT132 21-93j - #2 PM Semichemical Low Density Chest

446 No additional control is determined to be MACT. [LAC 33:III.5109.A]

EQT133 **22-01n - No. 3 Paper Machine - HW Fiber Low Density Chest/Standpipes**

447 No additional control is determined to be MACT. [LAC 33:III.5109.A]

EQT134 **22-01o - No. 3 Paper Machine - Pine Fiber Low Density Chest/Standpipes**

448 No additional control is determined to be MACT. [LAC 33:III.5109.A]

EQT135 **22-93a - No. 3 Paper Machine - Grouped Source**

449 No additional control is determined to be BACT. [LAC 33:III.509]
450 No additional control is determined to be MACT. [LAC 33:III.5109.A]

EQT136 **22-93c - No. 3 Paper Machine - Save-all Vent**

451 No additional control is determined to be BACT. [LAC 33:III.509]
452 No additional control is determined to be MACT. [LAC 33:III.5109.A]

EQT137 **22-93d - No. 3 Paper Machine - Save-all Stock Chest**

453 No additional control is determined to be MACT. [LAC 33:III.5109.A]

EQT138 **22-93g - No. 3 Paper Machine - AES Filters**

454 No additional control is determined to be MACT. [LAC 33:III.5109.A]

EQT139 **22-93k - No. 3 Paper Machine - Broke Repulper**

455 No additional control is determined to be MACT. [LAC 33:III.5109.A]

EQT140 **22-93m - #3 PM Virgin Fiber Low Density Chest**

456 No additional control is determined to be MACT. [LAC 33:III.5109.A]

EQT142 **29-93e - Causticizing Area - Dregs Filter**

457 No additional control is determined to be BACT. [LAC 33:III.509]
458 No additional control is determined to be MACT. [LAC 33:III.5109.A]

EQT143 **29-93f - Causticizing Area - No. 1 Causticizer**

459 No additional control is determined to be BACT. [LAC 33:III.509]
460 No additional control is determined to be MACT. [LAC 33:III.5109.A]

EQT144 **29-93g - Causticizing Area - No. 2 Causticizer**

EQT144 **29-93g - Causticizing Area - No. 2 Causticizer**

461 No additional control is determined to be BACT. [LAC 33:III.509]
462 No additional control is determined to be MACT. [LAC 33:III.5109.A]

EQT145 **29-93h - Causticizing Area - No. 3 Causticizer**

463 No additional control is determined to be BACT. [LAC 33:III.509]
464 No additional control is determined to be MACT. [LAC 33:III.5109.A]

EQT146 **29-93i - Causticizing Area - No. 4 Causticizer**

465 No additional control is determined to be BACT. [LAC 33:III.509]
466 No additional control is determined to be MACT. [LAC 33:III.5109.A]

EQT147 **29-93r - Causticizing Area - No. 1 Lime Mud Washer**

467 No additional control is determined to be BACT. [LAC 33:III.509]
468 No additional control is determined to be MACT. [LAC 33:III.5109.A]

EQT148 **29-93s - Causticizing Area - No. 2 Lime Mud Washer**

469 No additional control is determined to be BACT. [LAC 33:III.509]
470 No additional control is determined to be MACT. [LAC 33:III.5109.A]

EQT149 **29-93u - Causticizing Area - Lime Mud Precoat Filter**

471 No additional control is determined to be BACT. [LAC 33:III.509]
472 No additional control is determined to be MACT. [LAC 33:III.5109.A]

EQT150 **30-93a - Black Liquor Filters - Secondary Black Liquor Filter**

473 No additional control is determined to be BACT. [LAC 33:III.509]
474 No additional control is determined to be MACT. [LAC 33:III.5109.A]

EQT151 **30-93b - Black Liquor Filters - Primary Black Liquor Filter**

475 No additional control is determined to be BACT. [LAC 33:III.509]
476 No additional control is determined to be MACT. [LAC 33:III.5109.A]

EQT152 **60-00 - Fiber Reclaims System**

477 No additional control is determined to be MACT. [LAC 33:III.5109.A]

EQT153 63-04 - Repulper #4

478 No additional control is determined to be BACT. [LAC 33:III.509]

479 No additional control is determined to be MACT. [LAC 33:III.5109.A]

EQT154 64-04 - Repulper #5

480 No additional control is determined as BACT. [LAC 33:III.509]

481 No additional control is determined to be MACT. [LAC 33:III.5109.A]

EQT155 NCG-A - Primary Digester System

482 Nonhalogenated hydrocarbon burning: Temperature >= 1300 F (704 degrees C) for 0.3 second or greater in a direct-flame afterburner or an equally effective device which achieves a removal efficiency of 95 percent or greater, as determined in accordance with LAC 33:III.2115.J.1, or if emissions are reduced to 50 ppm by volume, whichever is less stringent. Compliance with 40 CFR 63 Subpart S satisfies this condition. [LAC 33:III.2115.A]
Which Months: All Year Statistical Basis: None specified

483 Determine compliance with LAC 33:III.2115.A through G by applying the test methods specified in LAC 33:III.2115.I.1 through 5, as appropriate. Compliance with 40 CFR 63 Subpart S satisfies this condition.. [LAC 33:III.2115.I]

484 Demonstrate compliance with LAC 33:III.2115 as requested by DEQ. Compliance with 40 CFR 63 Subpart S satisfies this condition. [LAC 33:III.2115.J.1]

485 Install and maintain monitors to accurately measure and record operational parameters of all required control devices as necessary to ensure the proper functioning of those devices in accordance with design specifications. Monitor and record at a minimum the parameters listed in LAC 33:III.2115.J.2.a through e. Compliance with 40 CFR 63 Subpart S satisfies this condition. [LAC 33:III.2115.J.2]

486 Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Maintain the records specified in LAC 33:III.2115.K.1 through K.3. Maintain records on the premises for at least two years and make such information available to representatives of the Louisiana Department of Environmental Quality and the Environmental Protection Agency upon request. Compliance with 40 CFR 63 Subpart S satisfies LAC 33:III.2115.K.1 and LAC 33:III.2115.K.3. [LAC 33:III.2115.K]

487 Total reduced sulfur <= 5 ppmv. [LAC 33:III.2301.D.3]
Which Months: All Year Phases: Statistical Basis:

488 Shall be vented to the Lime Kiln (EQT 6, 03-78), the NCG Incinerator (EQT 25, 09-78), or HVLC Incinerator (EQT 10, 57-99). [40 CFR 60.283(a)(1)(i) and (iii)]

489 Enclose any equipment system listed in 40 CFR 63.443(a) or (b) , vent into a closed-vent system, and route to a control device that meets the requirements specified in 40 CFR 63.443(d). Subpart S. [40 CFR 63.443(c)]. [40 CFR 63.443(c)]

EQT156 NCG-B - Secondary Digester System

490 Nonhalogenated hydrocarbon burning: Temperature >= 1300 F (704 degrees C) for 0.3 second or greater in a direct-flame afterburner or an equally effective device which achieves a removal efficiency of 95 percent or greater, as determined in accordance with LAC 33:III.2115.J.1, or if emissions are reduced to 50 ppm by volume, whichever is less stringent. Compliance with 40 CFR 63 Subpart S satisfies this condition. [LAC 33:III.2115.A]
Which Months: All Year Statistical Basis: None specified

491 Determine compliance with LAC 33:III.2115.A through G by applying the test methods specified in LAC 33:III.2115.I.1 through 5, as appropriate. Compliance with 40 CFR 63 Subpart S satisfies this condition. [LAC 33:III.2115.I]

492 Demonstrate compliance with LAC 33:III.2115 as requested by DEQ. Compliance with 40 CFR 63 Subpart S satisfies this condition. [LAC 33:III.2115.J.1]

EQT156 NCG-B - Secondary Digester System

493 Install and maintain monitors to accurately measure and record operational parameters of all required control devices as necessary to ensure the proper functioning of those devices in accordance with design specifications. Monitor and record at a minimum the parameters listed in LAC 33:III.2115.J.2.a through e. Compliance with 40 CFR 63 Subpart S satisfies this condition. [LAC 33:III.2115.J.2]

494 Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Maintain the records specified in LAC 33:III.2115.K.1 through K.3. Maintain records on the premises for at least two years and make such information available to representatives of the Louisiana Department of Environmental Quality and the Environmental Protection Agency upon request. Compliance with 40 CFR 63 Subpart S satisfies LAC 33:III.2115.K.1 and LAC 33:III.2115.K.3. [LAC 33:III.2115.K]

495 Total reduced sulfur <= 5 ppmv. [LAC 33:III.2301.D.3]
Which Months: All Year Phases: Statistical Basis:

496 Shall be vented to the Lime Kiln (EQT 6, 03-78), the NCG Incinerator (EQT 25, 09-78), or HVLC Incinerator (EQT 10, 57-99). [40 CFR 60.283(a)(1)(i) and (iii)]

497 Enclose any equipment system listed in 40 CFR 63.443(a) or (b) , vent into a closed-vent system, and route to a control device that meets the requirements specified in 40 CFR 63.443(d). Subpart S. [40 CFR 63.443(c)]. [40 CFR 63.443(c)]

EQT157 NCG-C - Semichemical Digester System

498 Nonhalogenated hydrocarbon burning: Temperature >= 1300 F (704 degrees C) for 0.3 second or greater in a direct-flame afterburner or an equally effective device which achieves a removal efficiency of 95 percent or greater, as determined in accordance with LAC 33:III.2115.J.1, or if emissions are reduced to 50 ppm by volume, whichever is less stringent. Compliance with this condition has been determined to be compliance with 40 CFR 63 Subpart S. [LAC 33:III.2115.A]
Which Months: All Year Statistical Basis: None specified

499 Determine compliance with LAC 33:III.2115.A through G by applying the test methods specified in LAC 33:III.2115.I.1 through 5, as appropriate. Compliance with this condition has been determined to be compliance with 40 CFR 63 Subpart S. [LAC 33:III.2115.I]

500 Demonstrate compliance with LAC 33:III.2115 as requested by DEQ. Compliance with this condition has been determined to be compliance with 40 CFR 63 Subpart S. [LAC 33:III.2115.J.1]

501 Install and maintain monitors to accurately measure and record operational parameters of all required control devices as necessary to ensure the proper functioning of those devices in accordance with design specifications. Monitor and record at a minimum the parameters listed in LAC 33:III.2115.J.2.a through e. Compliance with this condition has been determined to be compliance with 40 CFR 63 Subpart S. [LAC 33:III.2115.J.2]

502 Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Maintain the records specified in LAC 33:III.2115.K.1 through K.3. Maintain records on the premises for at least two years and make such information available to representatives of the Louisiana Department of Environmental Quality and the Environmental Protection Agency upon request. Compliance with LAC 33:III.2115.K.1 and LAC 33:III.2115.K.3 has been determined to be compliance with 40 CFR 63 Subpart S. [LAC 33:III.2115.K]

503 Total reduced sulfur <= 5 ppmv. [LAC 33:III.2301.D.3]
Which Months: All Year Phases: Statistical Basis:

504 Shall be vented to the Lime Kiln (EQT 6, 03-78), the NCG Incinerator (EQT 25, 09-78), or HVLC Incinerator (EQT 10, 57-99). [40 CFR 60.283(a)(1)(i) and (iii)]

505 Enclose any equipment system listed in 40 CFR 63.443(a) or (b) , vent into a closed-vent system, and route to a control device that meets the requirements specified in 40 CFR 63.443(d). Subpart S. [40 CFR 63.443(c)]. [40 CFR 63.443(c)]

EQT158 NCG-D - No. 1 Evaporator

EQT158 NCG-D - No. 1 Evaporator

506 Nonhalogenated hydrocarbon burning: Temperature >= 1300 F (704 degrees C) for 0.3 second or greater in a direct-flame afterburner or an equally effective device which achieves a removal efficiency of 95 percent or greater, as determined in accordance with LAC 33:III.2115.J.1, or if emissions are reduced to 50 ppm by volume, whichever is less stringent. Compliance with 40 CFR 63 Subpart S satisfies this condition. [LAC 33:III.2115.A]
Which Months: All Year Statistical Basis: None specified

507 Determine compliance with LAC 33:III.2115.A through G by applying the test methods specified in LAC 33:III.2115.I.1 through 5, as appropriate. Compliance with 40 CFR 63 Subpart S satisfies this condition. [LAC 33:III.2115.I]

508 Demonstrate compliance with LAC 33:III.2115 as requested by DEQ. Compliance with 40 CFR 63 Subpart S satisfies this condition. [LAC 33:III.2115.J.1]

509 Install and maintain monitors to accurately measure and record operational parameters of all required control devices as necessary to ensure the proper functioning of those devices in accordance with design specifications. Monitor and record at a minimum the parameters listed in LAC 33:III.2115.J.2.a through e. Compliance with 40 CFR 63 Subpart S satisfies this condition. [LAC 33:III.2115.J.2]

510 Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Maintain the records specified in LAC 33:III.2115.K.1 through K.3. Maintain records on the premises for at least two years and make such information available to representatives of the Louisiana Department of Environmental Quality and the Environmental Protection Agency upon request. Compliance with 40 CFR 63 Subpart S satisfies LAC 33:III.2115.K.1 and LAC 33:III.2115.K.3. [LAC 33:III.2115.K]

511 Total reduced sulfur <= 5 ppmv. [LAC 33:III.2301.D.3]
Which Months: All Year Phases: Statistical Basis:

512 Shall be vented to the Lime Kiln (EQT 6, 03-78), the NCG Incinerator (EQT 25, 09-78), or HVLC Incinerator (EQT 10, 57-99). [40 CFR 60.283(a)(1)(i) and (iii)]

513 Enclose any equipment system listed in 40 CFR 63.443(a) or (b) , vent into a closed-vent system, and route to a control device that meets the requirements specified in 40 CFR 63.443(d). Subpart S. [40 CFR 63.443(c)]. [40 CFR 63.443(c)]

EQT159 NCG-E - No. 2 Evaporator

514 Nonhalogenated hydrocarbon burning: Temperature >= 1300 F (704 degrees C) for 0.3 second or greater in a direct-flame afterburner or an equally effective device which achieves a removal efficiency of 95 percent or greater, as determined in accordance with LAC 33:III.2115.J.1, or if emissions are reduced to 50 ppm by volume, whichever is less stringent. Compliance with 40 CFR 63 Subpart S satisfies this condition. [LAC 33:III.2115.A]
Which Months: All Year Statistical Basis: None specified

515 Determine compliance with LAC 33:III.2115.A through G by applying the test methods specified in LAC 33:III.2115.I.1 through 5, as appropriate. Compliance with 40 CFR 63 Subpart S satisfies this condition. [LAC 33:III.2115.I]

516 Demonstrate compliance with LAC 33:III.2115 as requested by DEQ. Compliance with 40 CFR 63 Subpart S satisfies this condition. [LAC 33:III.2115.J.1]

517 Install and maintain monitors to accurately measure and record operational parameters of all required control devices as necessary to ensure the proper functioning of those devices in accordance with design specifications. Monitor and record at a minimum the parameters listed in LAC 33:III.2115.J.2.a through e. Compliance with 40 CFR 63 Subpart S satisfies this condition. [LAC 33:III.2115.J.2]

518 Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Maintain the records specified in LAC 33:III.2115.K.1 through K.3. Maintain records on the premises for at least two years and make such information available to representatives of the Louisiana Department of Environmental Quality and the Environmental Protection Agency upon request. Compliance with 40 CFR 63 Subpart S satisfies LAC 33:III.2115.K.1 and LAC 33:III.2115.K.3. [LAC 33:III.2115.K]

519 Total reduced sulfur <= 5 ppmv. [LAC 33:III.2301.D.3]
Which Months: All Year Phases: Statistical Basis:

520 Shall be vented to the Lime Kiln (EQT 6, 03-78), the NCG Incinerator (EQT 25, 09-78), or HVLC Incinerator (EQT 10, 57-99). [40 CFR 60.283(a)(1)(i) and (iii)]

521 Enclose any equipment system listed in 40 CFR 63.443(a) or (b) , vent into a closed-vent system, and route to a control device that meets the requirements specified in 40 CFR 63.443(d). Subpart S. [40 CFR 63.443(c)]. [40 CFR 63.443(c)]

EQT160 NCG-H - No. 1 Concentrator/Intermediate Solids Concentrator

522 Nonhalogenated hydrocarbon burning: Temperature >= 1300 F (704 degrees C) for 0.3 second or greater in a direct-flame afterburner or an equally effective device which achieves a removal efficiency of 95 percent or greater, as determined in accordance with LAC 33:III.2115.J.1, or if emissions are reduced to 50 ppm by volume, whichever is less stringent. Compliance with 40 CFR 63 Subpart S satisfies this condition. [LAC 33:III.2115.A]
Which Months: All Year Statistical Basis: None specified

523 Determine compliance with LAC 33:III.2115.A through G by applying the test methods specified in LAC 33:III.2115.I.1 through 5, as appropriate. Compliance with 40 CFR 63 Subpart S satisfies this condition. [LAC 33:III.2115.I]

524 Demonstrate compliance with LAC 33:III.2115 as requested by DEQ. Compliance with 40 CFR 63 Subpart S satisfies this condition. [LAC 33:III.2115.J.1]

525 Install and maintain monitors to accurately measure and record operational parameters of all required control devices as necessary to ensure the proper functioning of those devices in accordance with design specifications. Monitor and record at a minimum the parameters listed in LAC 33:III.2115.J.2.a through e. Compliance with 40 CFR 63 Subpart S satisfies this condition. [LAC 33:III.2115.J.2]

526 Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Maintain the records specified in LAC 33:III.2115.K.1 through K.3. Maintain records on the premises for at least two years and make such information available to representatives of the Louisiana Department of Environmental Quality and the Environmental Protection Agency upon request. Compliance with 40 CFR 63 Subpart S satisfies LAC 33:III.2115.K.1 and LAC 33:III.2115.K.3. [LAC 33:III.2115.K]

527 Total reduced sulfur <= 5 ppmv. [LAC 33:III.2301.D.3]
Which Months: All Year Phases: Statistical Basis:

528 Shall be vented to the Lime Kiln (EQT 6, 03-78), the NCG Incinerator (EQT 25, 09-78), or HVLC Incinerator (EQT 10, 57-99). [40 CFR 60.283(a)(1)(i) and (iii)]

529 Enclose any equipment system listed in 40 CFR 63.443(a) or (b) , vent into a closed-vent system, and route to a control device that meets the requirements specified in 40 CFR 63.443(d). Subpart S. [40 CFR 63.443(c)]. [40 CFR 63.443(c)]

EQT161 NCG-I - No. 2 Concentrator System

530 Nonhalogenated hydrocarbon burning: Temperature >= 1300 F (704 degrees C) for 0.3 second or greater in a direct-flame afterburner or an equally effective device which achieves a removal efficiency of 95 percent or greater, as determined in accordance with LAC 33:III.2115.J.1, or if emissions are reduced to 50 ppm by volume, whichever is less stringent. Compliance with 40 CFR 63 Subpart S satisfies this condition. [LAC 33:III.2115.A]
Which Months: All Year Statistical Basis: None specified

531 Determine compliance with LAC 33:III.2115.A through G by applying the test methods specified in LAC 33:III.2115.I.1 through 5, as appropriate. Compliance with 40 CFR 63 Subpart S satisfies this condition. [LAC 33:III.2115.I]

532 Demonstrate compliance with LAC 33:III.2115 as requested by DEQ. Compliance with 40 CFR 63 Subpart S satisfies this condition. [LAC 33:III.2115.J.1]

533 Install and maintain monitors to accurately measure and record operational parameters of all required control devices as necessary to ensure the proper functioning of those devices in accordance with design specifications. Monitor and record at a minimum the parameters listed in LAC 33:III.2115.J.2.a through e. Compliance with 40 CFR 63 Subpart S satisfies this condition. [LAC 33:III.2115.J.2]

534 Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Maintain the records specified in LAC 33:III.2115.K.1 through K.3. Maintain records on the premises for at least two years and make such information available to representatives of the Louisiana Department of Environmental Quality and the Environmental Protection Agency upon request. Compliance with 40 CFR 63 Subpart S satisfies LAC 33:III.2115.K.1 and LAC 33:III.2115.K.3. [LAC 33:III.2115.K]

535 Total reduced sulfur <= 5 ppmv. [LAC 33:III.2301.D.3]
Which Months: All Year Phases: Statistical Basis:

536 Shall be vented to the Lime Kiln (EQT 6, 03-78), the NCG Incinerator (EQT 25, 09-78), or HVLC Incinerator (EQT 10, 57-99). [40 CFR 60.283(a)(1)(i) and (iii)]

537 Enclose any equipment system listed in 40 CFR 63.443(a) or (b) , vent into a closed-vent system, and route to a control device that meets the requirements specified in 40 CFR 63.443(d). Subpart S. [40 CFR 63.443(c)]. [40 CFR 63.443(c)]

EQT162 NCG-J - Condensate Stripper System

538 Nonhalogenated hydrocarbon burning: Temperature >= 1300 F (704 degrees C) for 0.3 second or greater in a direct-flame afterburner or an equally effective device which achieves a removal efficiency of 95 percent or greater, as determined in accordance with LAC 33:III.2115.J.1, or if emissions are reduced to 50 ppm by volume, whichever is less stringent. Compliance with 40 CFR 63 Subpart S satisfies this condition. [LAC 33:III.2115.A]
Which Months: All Year Statistical Basis: None specified

539 Determine compliance with LAC 33:III.2115.A through G by applying the test methods specified in LAC 33:III.2115.I.1 through 5, as appropriate. Compliance with 40 CFR 63 Subpart S satisfies this condition. [LAC 33:III.2115.I]

540 Demonstrate compliance with LAC 33:III.2115 as requested by DEQ. Compliance with 40 CFR 63 Subpart S satisfies this condition. [LAC 33:III.2115.J.1]

541 Install and maintain monitors to accurately measure and record operational parameters of all required control devices as necessary to ensure the proper functioning of those devices in accordance with design specifications. Monitor and record at a minimum the parameters listed in LAC 33:III.2115.J.2.a through e. Compliance with 40 CFR 63 Subpart S satisfies this condition. [LAC 33:III.2115.J.2]

542 Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Maintain the records specified in LAC 33:III.2115.K.1 through K.3. Maintain records on the premises for at least two years and make such information available to representatives of the Louisiana Department of Environmental Quality and the Environmental Protection Agency upon request. Compliance with 40 CFR 63 Subpart S satisfies LAC 33:III.2115.K.1 and LAC 33:III.2115.K.3. [LAC 33:III.2115.K]

543 Total reduced sulfur <= 5 ppmv. [LAC 33:III.2301.D.3]
Which Months: All Year Phases: Statistical Basis:

544 Shall be vented to the Lime Kiln (EQT 6, 03-78), the NCG Incinerator (EQT 25, 09-78), or HVLC Incinerator (EQT 10, 57-99). [40 CFR 60.283(a)(1)(i) and (iii)]

545 Enclose any equipment system listed in 40 CFR 63.443(a) or (b) , vent into a closed-vent system, and route to a control device that meets the requirements specified in 40 CFR 63.443(d). Subpart S. [40 CFR 63.443(c)]. [40 CFR 63.443(c)]

EQT163 NCG-K - Turpentine Decanter

546 Nonhalogenated hydrocarbon burning: Temperature >= 1300 F (704 degrees C) for 0.3 second or greater in a direct-flame afterburner or an equally effective device which achieves a removal efficiency of 95 percent or greater, as determined in accordance with LAC 33:III.2115.J.1, or if emissions are reduced to 50 ppm by volume, whichever is less stringent. Compliance with 40 CFR 63 Subpart S satisfies this condition. [LAC 33:III.2115.A]
Which Months: All Year Statistical Basis: None specified

547 Determine compliance with LAC 33:III.2115.A through G by applying the test methods specified in LAC 33:III.2115.I.1 through 5, as appropriate. Compliance with 40 CFR 63 Subpart S satisfies this condition. [LAC 33:III.2115.I]

548 Demonstrate compliance with LAC 33:III.2115 as requested by DEQ. Compliance with 40 CFR 63 Subpart S satisfies this condition. [LAC 33:III.2115.J.1]

549 Install and maintain monitors to accurately measure and record operational parameters of all required control devices as necessary to ensure the proper functioning of those devices in accordance with design specifications. Monitor and record at a minimum the parameters listed in LAC 33:III.2115.J.2.a through e. Compliance with 40 CFR 63 Subpart S satisfies this condition. [LAC 33:III.2115.J.2]

550 Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Maintain the records specified in LAC 33:III.2115.K.1 through K.3. Maintain records on the premises for at least two years and make such information available to representatives of the Louisiana Department of Environmental Quality and the Environmental Protection Agency upon request. Compliance with 40 CFR 63 Subpart S satisfies LAC 33:III.2115.K.1 and LAC 33:III.2115.K.3. [LAC 33:III.2115.K]

551 Enclose any equipment system listed in 40 CFR 63.443(a) or (b) , vent into a closed-vent system, and route to a control device that meets the requirements specified in 40 CFR 63.443(d). Subpart S. [40 CFR 63.443(c)]. [40 CFR 63.443(c)]

EQT164 12A-78 - Diffusion Washer Vent A

552 No additional control is determined as BACT. [LAC 33:III.509]

EQT164 12A-78 - Diffusion Washer Vent A

553 Enclose any equipment system listed in 40 CFR 63.443(a) or (b) , vent into a closed-vent system, and route to a control device that meets the requirements specified in 40 CFR 63.443(d). Subpart S. [40 CFR 63.443(c)]. [40 CFR 63.443(c)]

EQT165 12B-78 - Diffusion Washer Vent B

554 No additional control is determined as BACT. [LAC 33:III.509]

555 Enclose any equipment system listed in 40 CFR 63.443(a) or (b) , vent into a closed-vent system, and route to a control device that meets the requirements specified in 40 CFR 63.443(d). Subpart S. [40 CFR 63.443(c)]. [40 CFR 63.443(c)]

EQT166 12C-78 - Diffusion Washer Vent C

556 No additional control is determined as BACT. [LAC 33:III.509]

557 Enclose any equipment system listed in 40 CFR 63.443(a) or (b) , vent into a closed-vent system, and route to a control device that meets the requirements specified in 40 CFR 63.443(d). Subpart S. [40 CFR 63.443(c)]. [40 CFR 63.443(c)]

EQT167 12D-78 - Diffusion Washer Vent D

558 No additional control is determined as BACT. [LAC 33:III.509]

559 Enclose any equipment system listed in 40 CFR 63.443(a) or (b) , vent into a closed-vent system, and route to a control device that meets the requirements specified in 40 CFR 63.443(d). Subpart S. [40 CFR 63.443(c)]. [40 CFR 63.443(c)]

EQT168 12E-78 - Diffusion Washer Vent E

560 No additional control is determined as BACT. [LAC 33:III.509]

561 Enclose any equipment system listed in 40 CFR 63.443(a) or (b) , vent into a closed-vent system, and route to a control device that meets the requirements specified in 40 CFR 63.443(d). Subpart S. [40 CFR 63.443(c)]. [40 CFR 63.443(c)]

EQT170 28-93i - Stripped Condensate Tank

562 No additional control is determined to be BACT. [LAC 33:III.509]

563 Enclose any equipment system listed in 40 CFR 63.443(a) or (b) , vent into a closed-vent system, and route to a control device that meets the requirements specified in 40 CFR 63.443(d). Subpart S. [40 CFR 63.443(c)]. [40 CFR 63.443(c)]

EQT171 31-93a - Primary Filtrate Tank Vent - Washer A (Vent A)

564 No additional control is determined to be BACT. [LAC 33:III.509]

565 Enclose any equipment system listed in 40 CFR 63.443(a) or (b) , vent into a closed-vent system, and route to a control device that meets the requirements specified in 40 CFR 63.443(d). Subpart S. [40 CFR 63.443(c)]. [40 CFR 63.443(c)]

EQT172 31-93b - Primary Filtrate Tank Vent - Washer A (Vent B)

566 No additional control is determined to be BACT. [LAC 33:III.509]

EQT172 31-93b - Primary Filtrate Tank Vent - Washer A (Vent B)

567 Enclose any equipment system listed in 40 CFR 63.443(a) or (b) , vent into a closed-vent system, and route to a control device that meets the requirements specified in 40 CFR 63.443(d). Subpart S. [40 CFR 63.443(c)]. [40 CFR 63.443(c)]

EQT173 31-93c - Primary Filtrate Tank Vent - Washer B (Vent A)

568 No additional control is determined to be BACT. [LAC 33:III.509]

569 Enclose any equipment system listed in 40 CFR 63.443(a) or (b) , vent into a closed-vent system, and route to a control device that meets the requirements specified in 40 CFR 63.443(d). Subpart S. [40 CFR 63.443(c)]. [40 CFR 63.443(c)]

EQT174 31-93d - Primary Filtrate Tank Vent - Washer B (Vent B)

570 No additional control is determined to be BACT. [LAC 33:III.509]

571 Enclose any equipment system listed in 40 CFR 63.443(a) or (b) , vent into a closed-vent system, and route to a control device that meets the requirements specified in 40 CFR 63.443(d). Subpart S. [40 CFR 63.443(c)]. [40 CFR 63.443(c)]

EQT175 31-93e - Secondary Filtrate Tank Vent - (Vent A)

572 No additional control is determined to be BACT. [LAC 33:III.509]

573 Enclose any equipment system listed in 40 CFR 63.443(a) or (b) , vent into a closed-vent system, and route to a control device that meets the requirements specified in 40 CFR 63.443(d). Subpart S. [40 CFR 63.443(c)]. [40 CFR 63.443(c)]

EQT176 31-93f - Secondary Filtrate Tank Vent - (Vent B)

574 No additional control is determined to be BACT. [LAC 33:III.509]

575 Enclose any equipment system listed in 40 CFR 63.443(a) or (b) , vent into a closed-vent system, and route to a control device that meets the requirements specified in 40 CFR 63.443(d). Subpart S. [40 CFR 63.443(c)]. [40 CFR 63.443(c)]

EQT177 31-93g - Semi-chemical Filtrate Tank Vent - (Vent A)

576 No additional control is determined to be BACT. [LAC 33:III.509]

577 Enclose any equipment system listed in 40 CFR 63.443(a) or (b) , vent into a closed-vent system, and route to a control device that meets the requirements specified in 40 CFR 63.443(d). Subpart S. [40 CFR 63.443(c)]. [40 CFR 63.443(c)]

EQT178 31-93h - Semi-chemical Filtrate Tank Vent - (Vent B)

578 No additional control is determined to be BACT. [LAC 33:III.509]

579 Enclose any equipment system listed in 40 CFR 63.443(a) or (b) , vent into a closed-vent system, and route to a control device that meets the requirements specified in 40 CFR 63.443(d). Subpart S. [40 CFR 63.443(c)]. [40 CFR 63.443(c)]

EQT179 TO-A - Crude Tall Oil-Brine Receiver Tank

580 No additional control is determined to be MACT. [LAC 33:III.5109.A]

EQT180 TO-B - Crude Tall Oil-Cleaner Accepts Tank

581 No additional control is determined to be MACT. [LAC 33:III.5109.A]

EQT181 TO-C - Crude Tall Oil-Wet CTO Tank

582 No additional control is determined to be MACT. [LAC 33:III.5109.A]

EQT182 TO-D - Crude Tall Oil-Dry CTO Tank

583 No additional control is determined to be MACT. [LAC 33:III.5109.A]

EQT183 22-93e - No. 3 Paper Machine - B/S Excess White Water Tank

584 No additional control is determined to be MACT. [LAC 33:III.5109.A]

EQT184 32-93 - Cationic Starch Silo

585 Filter elements (bags): Equipment/operational data monitored by technically sound method once every six months or whenever visual checks indicate maintenance may be necessary. Change elements as necessary. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: None specified

586 Filter elements (bags): Equipment/operational data recordkeeping by electronic or hard copy upon each occurrence of inspection. Keep records of maintenance inspections on site and available for inspection by the Office of Environmental Compliance, Surveillance Division. [LAC 33:III.501.C.6]

587 Filter vents: Visible emissions monitored by visual inspection/determination daily only when unloading operations are in progress. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: None specified

588 Filter vents: Visible emissions recordkeeping by electronic or hard copy upon each occurrence of inspection. Keep records of visual checks on site and available for inspection by the Office of Environmental Compliance, Surveillance Division. [LAC 33:III.501.C.6]

589 Permittee shall utilize bag filters on this silo during loading operations in order to control emissions of particulate matter. [LAC 33:III.509]

EQT185 NCG-M -High Solids Concentrator System

590 Nonhalogenated hydrocarbon burning: Temperature >= 1600 F (870 degrees C) for 0.5 second or greater in a direct-flame afterburner or an equally effective device which achieves a removal efficiency of 98 percent or greater, as determined in accordance with LAC 33:III.2115.J.1, or if emissions are reduced to 20 ppm by volume, whichever is less stringent. Compliance with 40 CFR 63 Subpart S satisfies this condition. [LAC 33:III.2115.A]
Which Months: All Year Statistical Basis: None specified

591 Determine compliance with LAC 33:III.2115.A through G by applying the test methods specified in LAC 33:III.2115.I.1 through 5, as appropriate. Compliance with 40 CFR 63 Subpart S satisfies this condition. [LAC 33:III.2115.I]

592 Demonstrate compliance with LAC 33:III.2115 as requested by DEQ. Compliance with 40 CFR 63 Subpart S satisfies this condition. [LAC 33:III.2115.J.1]

593 Install and maintain monitors to accurately measure and record operational parameters of all required control devices as necessary to ensure the proper functioning of those devices in accordance with design specifications. Monitor and record at a minimum the parameters listed in LAC 33:III.2115.J.2.a through e. Compliance with 40 CFR 63 Subpart S satisfies this condition. [LAC 33:III.2115.J.2]

EQT185 NCG-M -High Solids Concentrator System

594 Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Maintain the records specified in LAC 33:III.2115.K.1 through K.3. Maintain records on the premises for at least two years and make such information available to representatives of the Louisiana Department of Environmental Quality and the Environmental Protection Agency upon request. Compliance with 40 CFR 63 Subpart S satisfies LAC 33:III.2115.K.1 and LAC 33:III.2115.K.3. [LAC 33:III.2115.K]

595 Total reduced sulfur <= 5 ppmv. [LAC 33:III.2301.D.3]
Which Months: All Year Phases: Statistical Basis:

596 Shall be vented to the Lime Kiln (EQT 6, 03-78), the NCG Incinerator (EQT 25, 09-78), or HVLC Incinerator (EQT 10, 57-99). [40 CFR 60.283(a)(1)(i) and (iii)]

597 Enclose any equipment system listed in 40 CFR 63.443(a) or (b) , vent into a closed-vent system, and route to a control device that meets the requirements specified in 40 CFR 63.443(d). Subpart S. [40 CFR 63.443(c)]. [40 CFR 63.443(c)]

EQT186 65-05 - Clarke Fire-Water Pump

598 Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1311.C]
Which Months: All Year Statistical Basis: Six-minute average

599 Equipment/operational data recordkeeping by electronic or hard copy continuously. Record and keep on site for at least two years the data required to demonstrate exemption from the provisions of LAC 33:III.Chapter 15. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request. [LAC 33:III.1513]

EQT187 66-05 - Lime Kiln Auxiliary Engine

600 Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1311.C]
Which Months: All Year Statistical Basis: Six-minute average

601 Equipment/operational data recordkeeping by electronic or hard copy continuously. Record and keep on site for at least two years the data required to demonstrate exemption from the provisions of LAC 33:III.Chapter 15. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request. [LAC 33:III.1513]

FUG001 17-93 - Coal Storage/Handling

602 Filter vents: Visible emissions monitored by visual inspection/determination daily. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: None specified

603 Filter vents: Visible emissions recordkeeping by electronic or hard copy daily. Keep records of visual checks on site and available for inspection by the Office of Environmental Compliance, Surveillance Division. [LAC 33:III.501.C.6]

604 Filter elements (bags): Equipment/operational data monitored by technically sound method once every six months or whenever visual checks indicate maintenance may be necessary. Change elements as necessary. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: None specified

605 Filter elements (bags): Equipment/operational data recordkeeping by electronic or hard copy upon each occurrence of inspection. Keep records of maintenance inspections on site and available for inspection by the Office of Environmental Compliance, Surveillance Division. [LAC 33:III.501.C.6]

606 Permittee shall unload coal to a covered conveyor and shall locate the coal pulverizer inside of a building in order to control emissions of particulate matter. [LAC 33:III.509]

FUG002 18-93 - Ash Handling Operations

FUG002 18-93 - Ash Handling Operations

607 Permittee shall use wet suppression during loading in order to control emissions of particulate matter. [LAC 33:III.509]

FUG003 19-93 - Bark/Woodwaste/Sludge Handling

608 No additional control is determined to be BACT. [LAC 33:III.509]

FUG004 23-93 - Woodyard Grouped Source

609 Permittee shall use enclosed conveyors in order to control emissions of particulate matter. [LAC 33:III.509]

FUG005 26-93 - Haul Roads

610 Permittee shall use wet suppression using water for the unpaved haul road at a minimum rate of 2 times per 8 hour period during daylight hours (except when raining). A record shall be kept stating the time and day of each application. These records shall be kept on site and made available for inspection by DEQ personnel. [LAC 33:III.509]

FUG006 54-96 - Paint Yard

611 Permittee shall use paints and thinners with a concentration of no more than 3.0 pounds of volatile organic compounds per gallon of paint (lbs VOC/gallon) in order to control emissions of volatile organic compounds. [LAC 33:III.509]

612 No additional control is determined to be MACT. [LAC 33:III.5109.A]

GRP002 Paper Machines Emissions Cap

613 To demonstrate compliance with VOC emission limits of the cap, permittee shall limit maximum annual production of the mill to 1,466,489 air dry tons (ADT) of virgin pulp and 2,153,500 scale weight tons of paper. Pulp and paper production shall be monitored and recorded monthly, as well as the total production for the preceding twelve consecutive months. These records shall be kept on site and available for inspection by the Office of Environmental Compliance, Surveillance Division. Production in excess of the established limits during any twelve consecutive month period shall be a violation of this permit and must be reported to the Office of Environmental Compliance, Enforcement Division. A report showing the monthly pulp and paper production for the last six months, as well as the pulp and paper production for the twelve month periods which end in the preceding six month period, shall be submitted semiannually to the Office of Environmental Compliance, Enforcement Division, as an attachment to the mill's Part 70 General Condition K reports. [LAC 33:III.509]

614 No additional control is determined to be MACT. [LAC 33:III.5109.A]

GRP003 Pulping Condensates

615 The pulping process condensates from equipment systems listed in 63.446(b)(1) - (b)(5) that in total contain a total HAP mass of 7.2 pounds or more of total HAP per ton of ODP shall be conveyed in a closed collection system that is designed and operated to meet the individual drain system requirements specified in 63.960, 63.961, and 63.962 of 40 CFR 63 Subpart RR, except for closed vent systems and control devices shall be designed and operated in accordance with 63.443(d) and 63.450, instead of in accordance with 63.693 as specified in 63.962 (a)(3)(ii), (b)(3)(ii)(A), and (b)(5)(iii). [40 CFR 63.446(c)(3)and (d)]

616 Recycle the pulping process condensate to an equipment system specified in 63.443(a) meeting the requirements specified in 63.443(c) and (d). [40 CFR 63.446(e)(1)]

617 A CMS shall be operated to measure the appropriate parameters determined according to the procedures specified in 63.453(n) to comply with the condensate applicability requirements specified in 63.446(c). [40 CFR 63.453(i)]

GRP003 Pulping Condensates

618 Each pulping process condensate closed collection system shall be visually inspected every 30 days and shall comply with the inspection and monitoring requirements specified in 63.964 of 40 CFR 63 Subpart RR, except comply with the recordkeeping requirements of 63.454 instead of the requirements specified in 63.964(a)(1)(vi) and (b)(3) and the inspection and monitoring requirements for closed-vent systems and control devices specified in 63.453(a) and (k) instead of the requirements specified in 63.964(a)(2).2
□
Each condensate tank used in the closed collection system shall be operated with no detectable leaks as specified in 63.446(d)(2)(i) measured initially and annually by the procedures specified in 63.457(d).□
□
If an inspection required by this section identifies visible defects in the closed collection system, or if an instrument reading of 500 parts per million or greater above background is measured, then corrective actions specified in 63.964(b) of 40 CFR 63 Subpart RR shall be taken.□
□
Alternate approved monitoring as approved by John Hepola of EPA by letter dated February 12, 2001: Inspections shall be conducted once during each calendar month, with any two consecutive inspections being at least 21 calendar days apart. [40 CFR 63.453(i)]

619 To establish or reestablish the value for each operating parameter required to be monitored under 63.453(i) or (l) or to establish appropriate parameters for 60.453(i), use the following procedures:□
(1) During the initial performance test required in 63.457(a) or any subsequent performance test, continuously record the operating parameter;□
(2) Determinations shall be based on the control performance and parameter data monitored during the performance test, supplemented if necessary by engineering assessments and the manufacturer's recommendations;J
(3) Provide for the Administrator's approval the rationale for selecting the monitoring parameters necessary to comply with 60.453(i); and□
(4) Provide for the Administrator's approval the rationale for the selected operating parameter value, and monitoring frequency, and averaging time. Include all data and calculations used to develop the value and a description of why the value, monitoring frequency, and averaging time demonstrate continuous compliance with the applicable emission standard. [40 CFR 63.453(n)]

620 Comply with the recordkeeping requirements of 63.10, as shown in table 1 of Subpart S. [40 CFR 63.454(a)]

621 For each applicable enclosure opening, closed-vent system, and closed collection system, prepare and maintain a site-specific inspection plan including a drawing or schematic of the components of applicable affected equipment and record the information specified in 63.454(b)(1) - (12), as applicable, for each inspection. [40 CFR 63.454(b)]

622 Comply with the reporting requirements of subpart A of Part 63 as specified in table 1 of Subpart S. [40 CFR 63.455(a)]

GRP004 LVHC & HVLC Pulping Vents

623 Comply with 40 CFR 63 Subpart S. Determined as MACT. [LAC 33:III.5109.A]

624 Equipment system shall be enclosed and vented into a closed-vent system and routed to a control device that meets the requirements specified in 63.443(d). The enclosures and closed-vent system shall meet the requirements specified in 63.450. [40 CFR 63.443(c)]

625 Periods of excess emissions shall not be considered a violation of 40 CFR 63.443(c) and (d), provided that the time of excess emissions (excluding periods of startup, shutdown, or malfunction) divided by the total process operating time in a semi-annual reporting period does not exceed the following levels:□
1. One percent for control devices used to reduce the total HAP emissions from the LVHC system; andx
2. Four percent for control devices used to reduce the total HAP emissions from the HVLC system; and S
3. Four percent for control devices used to reduce the total HAP emissions from both the LVHC and HVLC systems. [40 CFR 63.443(e)]

626 Each enclosure shall maintain negative pressure at each enclosure or hood opening as demonstrated by the procedures specified in 63.457(e). Each enclosure or hood opening closed during the initial performance test specified in 63.457(a) shall be maintained in the same closed and sealed position as during the performance test at all times except when necessary to use the opening for sampling, inspection, maintenance, or repairs. [40 CFR 63.450(b)]

GRP004 LVHC & HVLC Pulping Vents

627 Each component of the closed-vent system that is operated at positive pressure and located prior to a control device shall be designed for and operated with no detectable leaks as indicated by an instrument reading of less than 500 parts per million by volume above background, as measured by the procedures specified in 63.457(d). [40 CFR 63.450(c)]

628 On each bypass line in the closed-vent system that could divert vent streams containing HAP to the atmosphere without meeting the emission limitations in 63.443, install, calibrate, maintain, and operate according to the manufacturer's specifications a flow indicator that is capable of taking periodic readings as frequently as specified in 63.454(e). The flow indicator shall be installed in the bypass line in such a way as to indicate flow in the bypass line, or for bypass line valves that are not computer controlled, maintain the bypass line valve in the closed position with a car seal or a seal placed on the valve or closure mechanism in such a way that valve or closure mechanism cannot be opened without breaking the seal. [40 CFR 63.450(d)]

629 For each enclosure opening, a visual inspection of the closure mechanism specified in 63.450(b) shall be performed at least once every 30 days to ensure the opening is maintained in the closed position and sealed. Alternate approved monitoring as approved by John Hepola of EPA by letter dated February 12, 2001: Inspections shall be conducted once during each calendar month, with any two consecutive inspections being at least 21 calendar days apart. [40 CFR 63.453(k)(1)]

630 Each closed-vent system required by 63.450(a) shall be visually inspected every 30 days and at other times as requested by the Administrator. The visual inspection shall include inspection of ductwork, piping, enclosures, and connections to covers for visible evidence of defects. Alternate approved monitoring as approved by John Hepola of EPA by letter dated February 12, 2001: Inspections shall be conducted once during each calendar month, with any two consecutive inspections being at least 21 calendar days apart. [40 CFR 63.453(k)(2)]

631 For positive pressure closed-vent systems or portions of closed-vent systems, demonstrate no detectable leaks as specified in 63.450(c) measured initially and annually by the procedures in 63.457(d). [40 CFR 63.453(k)(3)]

632 Closed vent systems, fixed roofs, covers, or enclosures are exempt from the 30 day an annual inspection requirements, provided that the source or operator determines: a) persons conducting the inspection would be exposed to an imminent or potential danger; or b) equipment could not be inspected without elevating the individual higher than 6 feet above or beyond the work platform, walkway, or catwalk. The source or operator shall identify all exempted equipment and explain how the equipment will be inspected during safe-to-inspect periods. The inspection frequency shall be at least one ever five calendar years. Approved alternate monitoring per letter from John Hepola of EPA, dated February 12, 2001. [40 CFR 63.453(k)(3)]

633 Demonstrate initially and annually that each enclosure opening is maintained at negative pressure as specified in 63.457(e), as applicable. [40 CFR 63.453(k)(4)]

634 The valve or closure mechanism specified in 63.450(d)(2) shall be inspected at least once every 30 days to ensure that the valve is maintained in the closed position and the emission point gas stream is not diverted through the bypass line. Alternate approved monitoring as approved by John Hepola of EPA by letter dated February 12, 2001: Inspections shall be conducted once during each calendar month, with any two consecutive inspections being at least 21 calendar days apart. [40 CFR 63.453(k)(5)]

635 If an inspection required by 63.453(k)(1) through (k)(5) identifies visible defects in ductwork, piping, enclosures or connections to covers required by 63.450, or if an instrument reading of 500 parts per million by volume or greater above background is measured, or if enclosure openings are not maintained at negative pressure, then a first effort to repair or correct the closed-vent system shall be made as soon as practicable but no later than 5 calendar days after the problem is identified, and the repair or corrective action shall be completed no later than 15 calendar days after the problem is identified. Delay of repair or corrective action is allowed if the repair or corrective action is technically infeasible without a process unit shutdown or if the permittee determines that the emissions resulting from immediate repair would be greater than the emissions likely to result from delay of repair. Repair of such equipment shall be completed by the end of the next process unit shutdown. [40 CFR 63.453(k)(6)]

636 Comply with the recordkeeping requirements of 63.10, as shown in table 1 of Subpart S. [40 CFR 63.454(a)]

637 For each applicable enclosure opening, closed-vent system, and closed collection system, prepare and maintain a site-specific inspection plan including a drawing or schematic of the components of applicable affected equipment and record the information specified in 63.454(b)(1) - (12), as applicable, for each inspection. [40 CFR 63.454(b)]

638 Comply with the reporting requirements of subpart A of Part 63 as specified in table 1 of Subpart S. [40 CFR 63.455(a)]

GRP005 Sources exempt from LAC 33:III.2115 subject to recordkeeping

GRP005 Sources exempt from LAC 33:III.2115 subject to recordkeeping

639 Equipment/operational data recordkeeping by electronic or hard copy as needed. Maintain records to demonstrate that the criteria are being met for any exemption claimed. Maintain records on the premises for at least two years and make such information available to representatives of the Louisiana Department of Environmental Quality and the Environmental Protection Agency upon request. [LAC 33:III.2115.K]

GRP006 Power Boilers

640 Permittee shall limit heat input from crosstie derived fuel (CDF) or bagasse to 720 MM BTU/hr. Permittee shall verify the content of crosstie derived fuel (CDF) to contain only creosote treated crosstie chips. CDF fuel used must be pentachlorophenol and chromated copper arsenate (CCA) free. [LAC 33:III.501.C.6]

641 Sulfur dioxide <= 4195.70 tons/yr. During any 12-consecutive month period in which total TDF combusted in EQT 5 and EQT 35 exceeds 87,600 tons, limit sulfur dioxide emissions from EQT 5 and EQT 35 during that period to <= 4195.7 tons. Noncompliance with this limitation is a reportable violation of the permit. Notify the Office of Environmental Compliance, Enforcement Division if the total sulfur dioxide emissions emitted from EQT 5 and EQT 35 exceeds the maximum listed in this specific condition for any twelve consecutive month period. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Twelve-month rolling average (rolling 1-month basis)

642 Equipment/operational data monitored by technically sound method at the approved frequency. The firing rate of each fuel used in each power boiler shall be monitored monthly. The sulfur content of coal shall be monitored each time a barge shipment is received. The sulfur content of each type of fuel oil shall be monitored monthly. The sulfur content of tire derived fuel (TDF), bark, sludge, and all other fuels fired in either of these power boilers shall be monitored quarterly. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: None specified

643 Equipment/operational data recordkeeping by electronic or hard copy at the approved frequency. Keep records of the total sulfur dioxide emissions emitted from EQT 5 and EQT 35 each month, as well as the total sulfur dioxide emissions emitted from EQT 5 and EQT 35 for the last twelve months. Compliance with the sulfur dioxide emission limitation of 4195.70 tons per year for both EQT 5 and EQT 35 shall be determined by using the sulfur content and the firing rate of each fuel fed to each boiler to calculate the sulfur dioxide emissions. Permittee shall perform this calculation as though all sulfur contained in all fuels forms sulfur dioxide. Keep records of the fuel firing rate and sulfur content of each fuel fired in each power boiler upon each determination. Make records available for inspection by DEQ personnel. [LAC 33:III.501.C.6]

644 Submit report: Due annually, by the 31st of March. Report the total sulfur dioxide emissions emitted from EQT 5 and EQT 35 for the preceding calendar year to the Office of Environmental Compliance, Enforcement Division. [LAC 33:III.501.C.6]

645 Permittee shall continuously monitor sulfur dioxide (SO2) and nitrogen oxides (NOx) in the flue gases. The continuous SO2 and NOx monitors shall conform to the requirements of 40 CFR 60, Appendix B, Performance Specifications and Specification Test Procedures for Monitors of SO2 and NOx from Stationary Sources. Records shall be kept and data reported in accordance with applicable provisions of 40 CFR 60. [LAC 33:III.509]

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646 Emissions of smoke which pass onto or across a public road and create a traffic hazard by impairment of visibility as defined in LAC 33:III.111 or intensify an existing traffic hazard condition are prohibited. [LAC 33:III.1103]

647 Outdoor burning of waste material or other combustible material is prohibited. [LAC 33:III.1109.B]

648 Emissions of particulate matter which pass onto or across a public road and create a traffic hazard by impairment of visibility or intensify an existing traffic hazard condition are prohibited. [LAC 33:III.1303.B]

649 Maintain best practical housekeeping and maintenance practices at the highest possible standards to reduce the quantity of organic compounds emissions. Good housekeeping shall include, but not be limited to, the practices listed in LAC 33:III.2113.A.1-5. [LAC 33:III.2113.A]

650 Failure to pay the prescribed application fee or annual fee as provided herein, within 90 days after the due date, will constitute a violation of these regulations and shall subject the person to applicable enforcement actions under the Louisiana Environmental Quality Act including, but not limited to, revocation or suspension of the applicable permit, license, registration, or variance. [LAC 33:III.219]

GRP007 **Entire Facility**

651 Discharges of odorous substances at or beyond property lines which cause a perceived odor intensity of six or greater on the specified eight point butanol scale as determined by Method 41 of LAC 33:III.2901.G are prohibited. [LAC 33:III.2901.D]

652 If requested to monitor for odor intensity, take and transport samples in a manner which minimizes alteration of the samples either by contamination or loss of material. Evaluate all samples as soon after collection as possible in accordance with the procedures set forth in LAC 33:III.2901.G. [LAC 33:III.2901.F]

653 Submit permit application: Due prior to construction, reconstruction or modification unless otherwise provided in LAC 33:III.Chapter 5. Submit a timely and complete permit application to the Office of Environmental Services, Permits Division as required in accordance with the procedures in LAC 33:III.Chapter 5. [LAC 33:III.501.C.1]

654 1,2-Dichloropropane <= 0.06 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum

655 1,3-Butadiene < 0.01 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum

656 2,2,4-Trimethylpentane < 0.01 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum

657 2,3,7,8-Tetrachlorodibenzo-p-Dioxin < 0.0001 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum

658 Acetaldehyde <= 58.69 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum

659 Acetophenone <= 0.10 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum

660 Acrolein <= 4.69 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum

661 Benzene <= 4.35 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum

662 Biphenyl < 0.01 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum

663 Carbon disulfide <= 1.03 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum

664 Carbon monoxide <= 9270.47 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum

665 Chlorinated dibenzofurans < 0.0001 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum

666 Chlorinated Dibenzo-P-Dioxins < 0.0001 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum

667 Chlorobenzene < 0.01 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum

668 Chloroform <= 0.38 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum

669 Chromium <= 6.4 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum

670 Chromium VI (and compounds) <= 0.05 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum

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671 Cresol < 0.01 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
672 Cumene <= 4.16 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
673 Formaldehyde <= 33.37 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
674 Hydrogen sulfide <= 124.84 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
675 Hydroquinone <= 0.05 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
676 Methanol <= 2976.69 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
677 Methyl ethyl ketone <= 18.80 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
678 Methyl isobutyl ketone <= 1.35 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
679 Nitrogen oxides <= 6228.37 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
680 Particulate matter (10 microns or less) <= 1392.05 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
681 Styrene <= 3.64 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
682 Toluene <= 6.16 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
683 Total reduced sulfur <= 225.66 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
684 Trichloroethylene <= 0.14 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
685 Triethyl amine < 0.01 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
686 VOC, Total <= 5175.66 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
687 Xylene (mixed isomers) <= 4.82 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
688 Hydrofluoric acid <= 34.06 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
689 Antimony (and compounds) <= 0.22 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
690 Arsenic (and compounds) <= 0.10 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum

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691 Barium (and compounds) <= 45.27 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
692 Beryllium (Table 51.1) <= 0.62 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
693 Cadmium (and compounds) <= 0.04 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
694 Cobalt compounds <= 1.28 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
695 Copper (and compounds) <= 2.63 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
696 Lead compounds <= 0.42 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
697 Manganese (and compounds) <= 36.87 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
698 Mercury (and compounds) <= 0.16 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
699 Nickel (and compounds) <= 3.49 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
700 Selenium (and compounds) <= 0.31 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
701 Zinc (and compounds) <= 30.21 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
702 1,1,1-Trichloroethane <= 1.88 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
703 1,1,2-Trichloroethane <= 0.03 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
704 1,2,4-Trichlorobenzene <= 6.2 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
705 Dichloromethane <= 180.14 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
706 Ethyl benzene <= 0.39 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
707 Ethylene oxide < 0.001 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
708 Glycol ethers (Table 51.1) <= 1.80 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
709 Hydrochloric acid <= 318.40 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
710 Methyl chloride <= 0.24 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum

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711 n-Hexane <= 6.01 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum

712 Polycyclic Organic Matter (POM) <= 55.65 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum

713 Sulfuric acid <= 134.21 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum

714 Tetrachloroethylene <= 0.36 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum

715 Naphthalene (and Methyl naphtalenes) <= 55.14 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum

716 Sulfur dioxide <= 8859.84 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum

717 Ammonia <= 184.87 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum

718 Chlorine <= 0.56 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum

719 Phenol <= 1.08 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum

720 Polynuclear Aromatic Hydrocarbons <= 0.83 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum

721 Propionaldehyde <= 0.30 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum

722 No Part 70 source may operate after the time that the owner or operator of such source is required to submit a permit application under Subsection C of this Section, unless an application has been submitted by the submittal deadline and such application provides information addressing all applicable sections of the application form and has been certified as complete in accordance with LAC 33:III.517.B.1. No Part 70 source may operate after the deadline provided for supplying additional information requested by the permitting authority under LAC 33:III.519, unless such additional information has been submitted within the time specified by the permitting authority. Permits issued to the Part 70 source under this Section shall include the elements required by 40 CFR 70.6. The Louisiana Department of Environmental Quality hereby adopts and incorporates by reference the provisions of 40 CFR 70.6(a), as in effect on July 21, 1992. Upon issuance of the permit, the Part 70 source shall be operated in compliance with all terms and conditions of the permit. Noncompliance with any federally applicable term or condition of the permit shall constitute a violation of the Clean Air Act and shall be grounds for enforcement action; for permit termination, revocation and reissuance, or revision; or for denial of a permit renewal application. [LAC 33:III.507.B.2]

723 Any permit application to renew an existing permit shall be submitted at least six months prior to the date of permit expiration, or at such earlier time as may be required by the existing permit or approved by the permitting authority. In no event shall the application for permit renewal be submitted more than 18 months before the date of permit expiration. [LAC 33:III.507.E.4]

724 No major stationary source or major modification to which the requirements of this Part apply shall begin actual construction without a permit issued under this Section. [LAC 33:III.509.I.1]

725 A major stationary source or major modification shall meet each applicable emissions limitation under the Louisiana State Implementation Plan and each applicable emissions standard and standard of performance under the Louisiana New Source Performance Standards (LNSPS) and Louisiana Emission Standards for Hazardous Air Pollutants (LESHAP) and Sections 111 and 112 of the Clean Air Act. [LAC 33:III.509.J.1]

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726 A new major stationary source shall apply best available control technology for each pollutant subject to regulation under this Section that it would have the potential to emit in significant amounts. [LAC 33:III.509.J.2]

727 A major modification shall apply best available control technology for each pollutant subject to regulation under this Section which would result in a significant net emissions increase at the source. This requirement applies to each proposed emissions unit at which a net emissions increase in the pollutant would occur as a result of a physical change or change in the method of operation in the unit. [LAC 33:III.509.J.3]

728 For phased construction projects, the determination of best available control technology shall be reviewed and modified as appropriate at the latest reasonable time which occurs no later than 18 months prior to commencement of construction of each independent phase of the project. At such time, the owner or operator of the applicable stationary source may be required to demonstrate the adequacy of any previous determination of best available control technology for the source. [LAC 33:III.509.J.4]

729 Do not construct or modify any stationary source subject to any standard set forth in LAC 33:III.Chapter 51.Subchapter A without first obtaining written authorization from DEQ in accordance with LAC 33:III.Chapter 51.Subchapter A, after the effective date of the standard. [LAC 33:III.5105.A.1]

730 Do not cause a violation of any ambient air standard listed in LAC 33:III.Table 51.2, unless operating in accordance with LAC 33:III.5109. [LAC 33:III.5105.A.2]

731 Do not build, erect, install, or use any article, machine, equipment, process, or method, the use of which conceals an emission that would otherwise constitute a violation of an applicable standard. [LAC 33:III.5105.A.3]

732 Do not fail to keep records, notify, report or revise reports as required under LAC 33:III.Chapter 51.Subchapter A. [LAC 33:III.5105.A.4]

733 Submit Annual Emissions Report (TEDI): Due annually, by the 1st of July, to the Office of Environmental Assessment, Environmental Evaluation Division in a form specified by the department. Identify the quantity of emissions in the previous calendar year for any toxic air pollutant listed in Table 51.1 or Table 51.3. [LAC 33:III.5107.A.2]

734 Include a certification statement with initial and subsequent annual emission reports and revisions to any emission report to attest that the information contained in the emission report is true, accurate, and complete, and signed by a responsible official, as defined in LAC 33:III.502. Include the full name of the responsible official, title, signature, date of signature and phone number of the responsible official. The certification statement shall read: "I certify, under penalty of perjury, that the emissions data provided is accurate to the best of my knowledge, information, and belief, and I understand that submitting false or misleading information will expose me to prosecution under state regulations." [LAC 33:III.5107.A.3]

735 Submit notification: Due to the Department of Public Safety 24-hour Louisiana Emergency Hazardous Materials Hotline at (225) 925-6595 immediately, but no later than 1 hour, after any discharge of a toxic air pollutant into the atmosphere which results or threatens to result in an emergency condition (a condition which could reasonably be expected to endanger the health and safety of the public, cause significant adverse impact to the land, water or air environment, or cause severe damage to property). [LAC 33:III.5107.B.1]

736 Submit notification: Due to the Office of Environmental Compliance no later than 24 hours after the beginning of any unauthorized discharge into the atmosphere of a toxic air pollutant as a result of bypassing an emission control device, where the emission control bypass was not the result of an upset, except as provided in LAC 33:III.5107.B.6. Notify by telephone at (225) 763-3908 during office hours, (225) 342-1234 after hours, weekends, and holidays, or by email utilizing the Incident Report Form and procedures found at www.deq.state.la.us/surveillance. [LAC 33:III.5107.B.2]

737 Submit notification: Due to the Office of Environmental Compliance immediately, but in no case later than 24 hours after any unauthorized discharge of a toxic air pollutant into the atmosphere which does not cause an emergency condition, the rate or quantity of which is in excess of that allowed by permit, compliance schedule, or variance, or for upset events that exceed the reportable quantity in LAC 33:I.3931, except as provided in LAC 33:III.5107.B.6. Notify by telephone at (225) 763-3908 during office hours, (225) 342-1234 after hours, weekends, and holidays, or by email utilizing the Incident Report Form and procedures found at www.deq.state.la.us/surveillance. [LAC 33:III.5107.B.3]

738 Submit written report: Due within seven calendar days of learning of any such discharge or equipment bypass as referred to in LAC 33:III.5107.B.1 through 3. Submit report to the Office of Environmental Compliance by certified mail. Include the information specified in LAC 33:III.5107.B.4.a.i through viii. [LAC 33:III.5107.B.4]

739 Report all discharges to the atmosphere of a toxic air pollutant from a safety relief device, a line or vessel rupture, a sudden equipment failure, or a bypass of an emission control device, regardless of quantity, in the annual emissions report and where otherwise specified. Include the identity of the source, the date and time of the discharge, and the approximate total loss during the discharge. [LAC 33:III.5107.B.5]

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740 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. [LAC 33:III.5109.A]

741 Achieve compliance with ambient air standards unless it can be demonstrated to the satisfaction of DEQ that compliance with an ambient air standard would be economically infeasible; that emissions could not reasonably be expected to pose a threat to public health or the environment; and that emissions would be controlled to a level that is Maximum Achievable Control Technology. [LAC 33:III.5109.B.3]

742 Develop a standard operating procedure (SOP) within 120 days after achieving or demonstrating compliance with the standards specified in LAC 33:III.Chapter 51. Detail in the SOP all operating procedures or parameters established to ensure that compliance with the applicable standards is maintained and address operating procedures for any monitoring system in place, specifying procedures to ensure compliance with LAC 33:III.5113.C.5. Make a written copy of the SOP available on site or at an alternate approved location for inspection by DEQ. Provide a copy of the SOP within 30 days upon request by the department. [LAC 33:III.5109.C]

743 Submit notification: Due to the permitting authority prior to the initiation of any project which will result in emission reductions. Include in the notification a description of the proposed action, a location map, a description of the composition of air contaminants involved, the rate and temperature of the emissions, the identity of the sources involved and the change in emissions. Make any appropriate permit revision reflecting the emission reduction no later than 180 days after commencement of operation and in accordance with the procedures of LAC 33:III.Chapter 5. [LAC 33:III.511]

744 Obtain a permit modification in accordance with LAC 33:III.5111.B and C before commencement of any modification not specified in a compliance plan submitted under LAC 33:III.5109.D, if the modification will result in an increase in emissions of any toxic air pollutant or will create a new point source. [LAC 33:III.5111.A.2.a]

745 Do not commence construction or modification of any major source without first obtaining written authorization from DEQ, as specified. [LAC 33:III.5111.A]

746 Ensure that all testing done to determine the emission of toxic air pollutants, upon request by the department, is conducted by qualified personnel. [LAC 33:III.5113.B.1]

747 Submit test results: Due in writing to the Office of Environmental Assessment, Environmental Technology Division within 45 days after completion of the test. Submit test results signed by the person responsible for the test. [LAC 33:III.5113.B.1]

748 Conduct emission tests as set forth in accordance with Test Methods of 40 CFR, parts 60, 61, and 63 or in accordance with alternative test methods approved by DEQ. [LAC 33:III.5113.B.2]

749 Provide necessary sampling and testing facilities, exclusive of instruments and sensing devices, as needed to properly determine the emission of toxic air pollutants, upon request of the department. [LAC 33:III.5113.B.3]

750 Provide emission testing facilities as specified in LAC 33:III.5113.B.4.a through e. [LAC 33:III.5113.B.4]

751 Analyze samples and determine emissions within 30 days after each emission test has been completed. [LAC 33:III.5113.B.5]

752 Submit certified letter: Due to the Office of Environmental Assessment, Environmental Technology Division before the close of business on the 45th day following the completion of the emission test. Report the determinations of the emission test. [LAC 33:III.5113.B.5]

753 Equipment/operational data recordkeeping by electronic or hard copy upon each occurrence of emissions testing. Retain records of emission test results and other data needed to determine emissions. Retained records at the source, or at an alternate location approved by DEQ for a minimum of two years, and make available upon request for inspection by DEQ. [LAC 33:III.5113.B.6]

754 Submit notification: Due to the Office of Environmental Assessment, Environmental Technology Division at least 30 days before the emission test. Submit notification of emission test to allow DEQ the opportunity to have an observer present during the test. [LAC 33:III.5113.B.7]

755 Maintain and operate each monitoring system in a manner consistent with good air pollution control practices for minimizing emissions. Repair or adjust any breakdown or malfunction of the monitoring system as soon as practicable after its occurrence. [LAC 33:III.5113.C.1]

756 Conduct performance evaluation of the monitoring system when required at any other time requested by DEQ. [LAC 33:III.5113.C.2]

757 Submit performance evaluation report: Due to the Office of Environmental Assessment, Environmental Technology Division within 60 days of the monitoring system performance evaluation. [LAC 33:III.5113.C.2]

758 Submit notification in writing: Due to the Office of Environmental Assessment, Environmental Technology Division at least 30 days before a performance evaluation of the monitoring system is to begin. [LAC 33:III.5113.C.2]

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759 Install a monitoring system on each effluent or on the combined effluent, when monitoring is required and the effluents from a single source, or from two or more sources subject to the same emission standards, are combined before being released to the atmosphere. If two or more sources are not subject to the same emission standards, install a separate monitoring system on each effluent, unless otherwise specified. If the applicable standard is a mass emission standard and the effluent from one source is released to the atmosphere through more than one point, install a monitoring system at each emission point unless DEQ approves the installation of fewer systems. [LAC 33:III.5113.C.3]

760 Evaluate the performance of continuous monitoring systems, upon request by DEQ, in accordance with the requirements and procedures contained in the applicable performance specification of 40 CFR Part 60, appendix B. [LAC 33:III.5113.C.5.a]

761 Submit report: Due to DEQ within 60 days of the performance evaluation of the CMS, if requested. Furnish DEQ with two or more copies of a written report of the test results within 60 days. [LAC 33:III.5113.C.5.a]

762 Install all continuous monitoring systems or monitoring devices to make representative measurements under variable process or operating parameters, if required to install a CMS. [LAC 33:III.5113.C.5.d]

763 Collect and reduce all data as specified in LAC 33:III.5113.C.5.e.i and ii, if required to install a CMS. [LAC 33:III.5113.C.5.e]

764 Submit plan: Due to the Office of Environmental Assessment, Environmental Technology Division within 90 days after DEQ requests either the initial plan or an updated plan, if required by DEQ to install a continuous monitoring system. Submit for approval a plan describing the affected sources and the methods for ensuring compliance with the continuous monitoring system. [LAC 33:III.5113.C.5]

765 Maintain records of monitoring data, monitoring system calibration checks, and the occurrence and duration of any period during which the monitoring system is malfunctioning or inoperative. Maintain these records at the source, or at an alternative location approved by DEQ, for a minimum of three years and make available, upon request, for inspection by DEQ. [LAC 33:III.5113.C.7]

766 An individual or company contracted to perform a demolition or renovation activity which disturbs RACM must be recognized by the Licensing Board for Contractors to perform asbestos abatement, and shall meet the requirements of LAC 33:III.5151.F.2 and F.3 for each demolition or renovation activity. [LAC 33:III.5151.F.1.f]

767 Submit permit application: Due prior to commencement of construction, reconstruction, or modification of the source, for new or modified sources. Do not commence construction, reconstruction, or modification of any source required to be permitted under LAC 33:III.Chapter 5 prior to approval by the permitting authority. [LAC 33:III.517.A.1]

768 Any application form, report, or compliance certification submitted under this Chapter shall contain certification by a responsible official of truth, accuracy, and completeness. The certification shall state that, based on information and belief formed after reasonable inquiry, the statements and information contained in the application are true, accurate, and complete. [LAC 33:III.517.B.1]

769 Submit supplementary facts or corrected information: Due promptly upon becoming aware of failure to submit or incorrect submittal regarding permit applications. In addition, provide information as necessary to address any requirements that become applicable to the source after the date of filing a complete application but prior to release of a proposed permit. [LAC 33:III.517.C]

770 Submit applications for permits in accordance with forms and guidance provided by the DEQ. At a minimum, each permit application submitted under LAC 33:III.Chapter 5 shall contain the information specified in LAC 33:III.517.D, subparagraphs 1-18. [LAC 33:III.517.D]

771 In addition to those elements listed under LAC 33:III.517.D, include in each application pertaining to a Part 70 source the information specified in LAC 33:III.517.E, Subparagraphs 1-8. [LAC 33:III.517.E]

772 Submit notification: Due within 90 days after any change in ownership of the source. Provide the notification in accordance with forms or guidance from the permitting authority and in accordance with requirements of LAC 33:I.1701. [LAC 33:III.517.G]

773 Submit permit modification application: Due within 45 days of obtaining relevant test results. The permit modification or amendment shall include all information necessary to process the request, and is required if testing demonstrates that the terms and conditions of the existing permit are inappropriate or inaccurate. [LAC 33:III.523.A]

774 Submit application for temporary exemption for testing: Due prior to test initiation. Submit the information specified in LAC 33:III.517 (with the exception of the data being measured in the test). Conduct testing for the minimum duration consistent with obtaining valid results. [LAC 33:III.523.B.2]

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775 Submit test results: Due within 30 days of test completion to the administrative authority. The report details the conditions that were found to exist during a temporary exemption for testing. State if there is to be no permanent change in emissions from pretest conditions. [LAC 33:III.523.B.3]

776 Activate the preplanned abatement strategy listed in LAC 33:III.5611.Table 5 when the administrative authority declares an Air Pollution Alert. [LAC 33:III.5609.A.1.b]

777 Activate the preplanned strategy listed in LAC 33:III.5611.Table 6 when the administrative authority declares an Air Pollution Warning. [LAC 33:III.5609.A.2.b]

778 Activate the preplanned abatement strategy listed in LAC 33:III.5611.Table 7 when the administrative authority declares an Air Pollution Emergency. [LAC 33:III.5609.A.3.b]

779 Prepare standby plans for the reduction of emissions during periods of Air Pollution Alert, Air Pollution Warning and Air Pollution Emergency. Design standby plans to reduce or eliminate emissions in accordance with the objectives as set forth in LAC 33:III.5611.Tables 5, 6, and 7. [LAC 33:III.5609.A]

780 Install air pollution control facilities whenever practically, economically, and technologically feasible. When facilities have been installed on a property, use them and diligently maintain them in proper working order whenever any emissions are being made which can be controlled by the facilities, even though the ambient air quality standards in affected areas are not exceeded. [LAC 33:III.905]

781 Submit Emission Inventory (EI)/Annual Emissions Statement: Due annually, by the 31st of March for the period January 1 to December 31 of the previous year. Submit emission inventory data in the format specified by the Office of Environmental Assessment, Environmental Evaluation Division. Include all data applicable to the emissions source(s), as specified in LAC 33:III.919.A-D. [LAC 33:III.919.D]

782 All affected facilities shall comply with all applicable provisions in 40 CFR 60 Subpart A. [40 CFR 60]

783 Provide DEQ with written notice of intention to demolish or renovate. Delivery of the notice by U.S. Postal Service, commercial delivery service, or hand delivery is acceptable. [40 CFR 61.145(b)(1)]

784 Do not install or reinstall on a facility component any insulating materials that contain commercial asbestos if the materials are either molded and friable or wet-applied and friable after drying. Subpart M. [40 CFR 61.148]

785 All affected facilities shall comply with all applicable provisions in 40 CFR 61 Subpart A. [40 CFR 61]

786 Permittee shall comply with all applicable regulations of 40 CFR 63 Subpart DDDDD by no later than September 13, 2007. [40 CFR 63.7495(b)]

787 All affected facilities shall comply with all applicable provisions in 40 CFR 63 Subpart A. [40 CFR 63]

GRP008 Coal Firing Scenario for Power Boilers

788 Carbon monoxide <= 0.2 lb/MMBTU when firing coal. [LAC 33:III.509]
Which Months: All Year Statistical Basis: Hourly maximum

789 Nitrogen oxides <= 0.70 lb/MMBTU when firing coal. [LAC 33:III.509]
Which Months: All Year Statistical Basis: Hourly maximum

790 Particulate matter (10 microns or less) <= 0.10 lb/MMBTU when firing coal. [LAC 33:III.509]
Which Months: All Year Statistical Basis: Hourly maximum

791 Sulfur dioxide <= 1.2 lb/MMBTU when firing coal. [LAC 33:III.509]
Which Months: All Year Statistical Basis: Hourly maximum

792 Fuel rate <= 645 MM BTU/hr when firing coal. [LAC 33:III.509]
Which Months: All Year Statistical Basis: Hourly maximum

793 Permittee shall not fire coal with a sulfur content of 1.2 percent by weight or greater. [LAC 33:III.509]

GRP009 Fuel Oil Firing Scenario for Power Boilers

GRP009 Fuel Oil Firing Scenario for Power Boilers

794 Carbon monoxide <= 0.036 lb/MMBTU when firing fuel oil. [LAC 33:III.509]
Which Months: All Year Statistical Basis: Hourly maximum

795 Nitrogen oxides <= 0.30 lb/MMBTU. [LAC 33:III.509]
Which Months: All Year Statistical Basis: Hourly maximum

796 Sulfur dioxide <= 0.80 lb/MMBTU when firing fuel oil. [LAC 33:III.509]
Which Months: All Year Statistical Basis: Hourly maximum

797 Particulate matter (10 microns or less) <= 0.10 lb/MMBTU when firing fuel oil. [LAC 33:III.509]
Which Months: All Year Statistical Basis: Hourly maximum

798 Permittee shall not fire fuel oil with a sulfur content of 0.7 percent by weight or greater. [LAC 33:III.509]

799 Fuel rate <= 645 MM BTU/hr when firing fuel oil. [LAC 33:III.509]
Which Months: All Year Statistical Basis: Hourly maximum

GRP010 Combined Firing Scenario for Power Boilers

800 Particulate matter (10 microns or less) <= 0.10 lb/MMBTU when firing coal and/or fuel oil in combination with woodwaste. [LAC 33:III.509]
Which Months: All Year Statistical Basis: Hourly maximum

801 Sulfur dioxide: When simultaneously firing multiple fuels, permittee shall determine the emission limit, in lb of SO2/MM BTU of heat input, according to the following formula:
□
Limit = (1.2a + 0.8b)/(a+b)□
□
Where□
a = percentage of total heat input derived from coal0
b = percentage of total heat input derived from oil. [LAC 33:III.509]

802 Nitrogen oxides: When simultaneously firing multiple fuels, permittee shall determine the emission limit, in lb of NOx/MM BTU of heat input, according to the following formula:□
□
Limit = (0.6c + 0.2g + 0.3f + 0.70w)/(c + g + f + w)0
□
Where□
c = total heat input derived from lignite coalh
g = total heat input derived from gasw
f = total heat input derived from fuel oil7
w = total heat input derived from solid fossil fuel (except lignite). [LAC 33:III.509]

GRP010 Combined Firing Scenario for Power Boilers

803 Carbon monoxide: When simultaneously firing multiple fuels, permittee shall determine the emission limit, in lb of CO/hr, according to the following formula:□
□
Limit = KW + 5X + 210Y + 26Zh
□
WhereX
K = 0.033 when wood is burned with other fuels□
= 0.44 for gas, oil, and coal fired (without wood residue)□
W = the amount of gas burned in thousands of cubic feet per hour0
X = the amount of coal burned in tons per hour□
Y = the amount of oil burned in thousands of barrels per hour□
Z = the amount of wood residue burned in tons per hour. [LAC 33:III.509]

804 Fuel rate <= 760 MM BTU/hr when firing fuel oil and coal in combination. [LAC 33:III.509]
Which Months: All Year Statistical Basis: Hourly maximum