

A - Facility Information

Facility: International Paper

Application: 2014 IP- Savannah BMACT

Parent/Holding Company Name:	International Paper Company
Facility Location:	West Lathrop Avenue Savannah, GA 31408- County: Chatham

Location of Center of Production Area: **UTM Zone:** 0

Latitude:	32 deg N 6 min 17 sec	UTM Horizontal Meters:	488624.23
Longitude:	81 deg W 7 min 14 sec	UTM Vertical Meters:	3552046.32

Reason for Application Submittal:

Modification of Existing Title V Permit

Application Submitted for:

All facilities under common control at a Part 70 site.

A6 - Current Permits And Amendments (And Deferred Modifications Under State Rule 391-3-1-.03(6)(i))

Permit or Amendment Number: **2631-051-0007-V-02-0**

Original Issue Date and
Amendment Date: April 20, 2010

Permit or Amendment
Description: Title V Permit Renewal

Permit or Amendment Number: **2631-051-0007-V-02-1**

Original Issue Date and
Amendment Date: March 2, 2012

Permit or Amendment
Description: Revision of the periodic reporting deadlines in Conditions 6.1.3,
6.1.4, and 8.14.1.

All significant Processes at this Facility:

Process Fiber Boxes

Description

In the box plant, rolls of paper are received via railcar or trucks. The first step in the process is the corrugator, where three sheets of paper are formed into corrugated board. Impregnating wax is applied to the top layer, the medium goes through the corrugator roll, and the top and bottom layers are glued to the medium. The glue is starch-based and is mixed in the starch kitchen using starch, borax, liquid caustic, other additives, and water. The corrugated sheet then goes through the slitter to trim the edges and is cut to length and stacked at the end of the Corrugator. The corrugated stock is sent to the converting department where they are cut and printed with ink and/or curtain coated with wax. The box plant operates 2 die cutters, 3 flexo/folder/gluer lines, a curtain coater,

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and a poultry line. These lines cut, wax, and/or apply ink or glue to the corrugated stock to form boxes. Trim from these operations is sent to one of two cyclones and baled.

Process Paper, Paperboard & Saturating Kraft

Description

Pulp mill, Paper mill, Paperboard mill

Other ID Numbers:

FEI Number:	13-565-2423
Dun and Bradstreet Number:	033 275 252

A8 - Required Documents:

A2, A3, A4 - Contact Names and Addresses by Responsibilities

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Legal Owner (legal actions, etc.)

Primary Contact: Ralph S. Stagner, Mill Manager
Phone: (912) 238-7589 EXT: Fax:
E-Mail: ralph.stagner@ipaper.com

Mailing Address: International Paper Company
P. O. Box 570
Savannah, GA 31402

Facility Contact

Primary Contact: Donna D. Katula, Environmental Performance Manager
Phone: (912) 238-7054 EXT: Fax: (912) 238-7343
E-Mail:

Mailing Address: International Paper Company
P. O. Box 570
Savannah, GA 31402

Permits (granted permits, permit amendments, etc.)

Primary Contact: Donna D. Katula, Environmental Performance Manager
Phone: (912) 238-7054 EXT: Fax: (912) 238-7343
E-Mail:

Mailing Address: International Paper Company
P. O. Box 570
Savannah, GA 31402

Permit Applications (requests for additional information, etc.)

Primary Contact: Donna D. Katula, Environmental Performance Manager
Phone: (912) 238-7054 EXT: Fax: (912) 238-7343
E-Mail:

Mailing Address: International Paper Company
P. O. Box 570
Savannah, GA 31402

Surveys, Questionnaires (emission inventories, etc.)

Primary Contact: Donna D. Katula, Environmental Performance Manager

A2, A3, A4 - Contact Names and Addresses by Responsibilities

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Phone: (912) 238-7054 EXT: Fax: (912) 238-7343

E-Mail:

Mailing Address: International Paper Company
P. O. Box 570
Savannah, GA 31402

Enforcement Actions (non-compliance letters, notices of violation, etc.)

Primary Contact: Donna D. Katula, Environmental Performance Manager
Phone: (912) 238-7054 EXT: Fax: (912) 238-7343
E-Mail:

Mailing Address: International Paper Company
P. O. Box 570
Savannah, GA 31402

Fees (fee manuals, fee forms, audit notices, etc.)

Primary Contact: Donna D. Katula, Environmental Performance Manager
Phone: (912) 238-7054 EXT: Fax: (912) 238-7343
E-Mail:

Mailing Address: International Paper Company
P. O. Box 570
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Monitoring (CEM certification applications, requests for monitoring and testing information, etc.)

Primary Contact: Donna D. Katula, Environmental Performance Manager
Phone: (912) 238-7054 EXT: Fax: (912) 238-7343
E-Mail:

Mailing Address: International Paper Company
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B - Facility Emissions

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B1 - Part 70 Site Potential To Emit

Criteria Pollutant	Potential To Emit Applicability Range for the Entire Site (tons per year)
Carbon Monoxide	250 or More
Hydrogen Sulfide	< 100
Nitrogen Oxides	250 or More
Particulate Matter	250 or More
Particulate Matter <10 microns	250 or More
Sulfur Dioxide	250 or More
Total Hazardous Air Pollutants	25 or More
Total Reduced Sulfur (includes H ₂ S)	< 100
Volatile Organic Compounds	250 or More

Hazardous Air Pollutant	Potential To Emit Applicability Range for the Entire Site (tons per year)
1,1,2-Trichloroethane	> 0 to < 10
1,2,4-Trichlorobenzene	> 0 to < 10
2,2,4-Trimethylpentane	> 0 to < 10
2,4-Dinitrophenol	> 0 to < 10
2,4-Dinitrotoluene	> 0 to < 10
2-Chloroacetophenone	> 0 to < 10
Acetaldehyde	25 or More
Acetophenone	25 or More
Acrolein	> 0 to < 10
Antimony Compounds	> 0 to < 10
Arsenic Compounds (inorganic including arsine)	> 0 to < 10
Benzene (including benzene from gasoline)	> 0 to < 10
Benzyl chloride	> 0 to < 10
Beryllium Compounds	> 0 to < 10

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beta-Propiolactone	> 0 to < 10
Biphenyl	10 To < 25
Bis(2-ethylhexyl)phthalate (DEHP)	> 0 to < 10
Bromoform	> 0 to < 10
Cadmium Compounds	> 0 to < 10
Carbon disulfide	> 0 to < 10
Carbon tetrachloride	> 0 to < 10
Chlorobenzene	> 0 to < 10
Chloroform	> 0 to < 10
Chloroprene	> 0 to < 10
Chromium Compounds	> 0 to < 10
Cobalt Compounds	> 0 to < 10
Cresols/Cresylic acid (isomers and mixture)	> 0 to < 10
Cumene	10 To < 25
Cyanide Compounds	> 0 to < 10
Dimethyl sulfate	> 0 to < 10
Ethyl benzene	> 0 to < 10
Ethyl chloride (Chloroethane)	> 0 to < 10
Ethylene dibromide (Dibromoethane)	> 0 to < 10
Ethylene dichloride (1,2-Dichloroethane)	> 0 to < 10
Formaldehyde	10 To < 25
Hexachlorobenzene	> 0 to < 10
Hexachlorocyclopentadiene	> 0 to < 10
Hexane	> 0 to < 10
Hydrochloric acid	25 or More
Hydrogen fluoride (Hydrofluoric acid)	> 0 to < 10
Isophorone	> 0 to < 10
Lead Compounds	> 0 to < 10

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Manganese Compounds	> 0 to < 10
Mercury Compounds	> 0 to < 10
Methanol	25 or More
Methyl bromide (Bromomethane)	> 0 to < 10
Methyl chloride (Chloromethane)	> 0 to < 10
Methyl chloroform (1,1,1-Trichloroethane)	> 0 to < 10
Methyl ethyl ketone (2-Butanone)	10 To < 25
Methyl hydrazine	> 0 to < 10
Methyl isobutyl ketone (Hexone)	> 0 to < 10
Methyl methacrylate	> 0 to < 10
Methyl tert butyl ether (MTBE)	> 0 to < 10
Methylene chloride (Dichloromethane)	> 0 to < 10
Napthalene	> 0 to < 10
Nickel Compounds	> 0 to < 10
o-Cresol	> 0 to < 10
o-Xylenes	> 0 to < 10
Pentachlorophenol	> 0 to < 10
Phenol	> 0 to < 10
Phosphorus	> 0 to < 10
Polycyclic Organic Matter	> 0 to < 10
Propionaldehyde	> 0 to < 10
Selenium Compounds	> 0 to < 10
Styrene	> 0 to < 10
Tetrachloroethylene (Perchloroethylene)	> 0 to < 10
Toluene	> 0 to < 10
Trichloroethylene	> 0 to < 10
Vinyl acetate	> 0 to < 10
Vinyl chloride	> 0 to < 10

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Vinylidene chloride (1,1-Dichloroethylene)	> 0 to < 10
Volatile Hazardous Air Pollutants	25 or More
Xylenes (isomers and mixture)	> 0 to < 10

B2 - Facility-Wide Actual Emissions Estimates

Pollutant	Maximum Actual Annual (tons per year)	5 Year Average Actual (tons per year)
Nitrogen Oxides	3071	3071
Particulate Matter	1029	1029
Particulate Matter <10 microns	1029	1029
Sulfur Dioxide	11178	11178
Total Hazardous Air Pollutants	1305	1305
Volatile Organic Compounds	1219	1219

C - RULE APPLICABILITY

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C1 - Regulatory Applicability

The following regulations have been identified as **APPLICABLE**:

Other	Other regulation - List additional regulations in the Comment blank.
FEDNEW	Enter into the comment field any newly promulgated Federal regulations that is applicable or potentially applicable to your facility that has not already been listed here. 40 CFR 52.21 40 CFR 70 40 CFR 279 40 CFR 63, Subpart DDDDD 40 CFR 63, Subpart HHHHH 40 CFR 51.308 40 CFR 98, Subpart C
SIPNEW	Enter into the comment field any newly promulgated SIP regulations that is applicable or potentially applicable to your facility that has not already been listed here. 391-3-1-.03(1), (2), (4), (9), (10) 391-3-1-.07 SIP 391-3-1-.02(2)(tt) SIP 391-3-1-.02(2)(yy)
FEDERAL	40 CFR 60, subpart BB, NSPS for Kraft Pulp Mills [391-3-1-.02(8)(b)34]
FEDERAL	40 CFR 60, subpart D, NSPS for Fossil-fuel Fired Steam Generators[391-3-1-.02(8)(b)2]
FEDERAL	40 CFR 60, subpart Db, NSPS for Industrial-Commercial-Institutional Steam Generating Units [391-3-1-.02(8)(b)4]
FEDERAL	40 CFR 60, subpart Dc, NSPS for Small Industrial -Commercial-Institutional Steam Generating Units [391-3-1-.02(8)(b)5]
FEDERAL	40 CFR 63, Subpart A, (excluding 63.13, and 63.15(a)(2)) General Provisions[391-3-1-.02(9)(b)15]
FEDERAL	40 CFR 63, Subpart KK, NESHAPs for Printing and Publishing Operations [391-3-1-.02(9)(b)51]
FEDERAL	40 CFR 63, Subpart MM, NESHAPs for Combustion Sources at Kraft, Soda, and Sulfite Pulp and Paper Mills [391-3-1-.02(9)(b)53]
FEDERAL	40 CFR 63, Subpart S, NESHAPs for Pulp and Paper Industry
FEDERAL	40 CFR 64, Compliance Assurance Monitoring
FEDERAL	40 CFR 68, Chemical Accident Prevention Provisions [391-3-1-.02(10)]
FEDERAL	40 CFR 82, Subpart F - Recycling and Emissions Reduction
FEDERAL	40 CFR, Part 60, subpart A, General Provisions [391-3-1-.02(8)(b)1]

SIP	391-3-1-.02(2)(b) Visible Emissions
SIP	391-3-1-.02(2)(d) Fuel-burning Equipment
SIP	391-3-1-.02(2)(e) Particulate Emission from Manufacturing Processes
SIP	391-3-1-.02(2)(g) Sulfur Dioxide
SIP	391-3-1-.02(2)(gg) Kraft Pulp Mills
SIP	391-3-1-.02(2)(n) Fugitive Dust
SIP	391-3-1-.02(3) Sampling
SIP	391-3-1-.02(6) Source Monitoring

C1 - Regulatory Applicability

The following regulations have been identified as NOT APPLICABLE:

FEDERAL	40 CFR 60, subpart O, NSPS for Sewage Treatment Plants [391-3-1-.02(8)(b)20]
FEDERAL	40 CFR 60, subpart AA, NSPS for Steel Plants: Electric Arc Furnaces[391-3-1-.02(8)(b)32]
FEDERAL	40 CFR 60, subpart AAA, NSPS for Steel Plants. Electric Arc Furnaces and Argon-Oxygen Decarburization Vessels Constructed After August 17, 1983[391-3-1-.02(8)(b)33]
FEDERAL	40 CFR 60, subpart BBB, NSPS for Rubber Tire Manufacturing Industry[391-3-1-.02(8)(b)53]
FEDERAL	40 CFR 60, subpart CC, NSPS for Glass Manufacturing Plants[391-3-1-.02(8)(b)35]
FEDERAL	40 CFR 60, subpart Da, NSPS for Electric Utility Steam Generating Units [391-3-1-.02(8)(b)3]
FEDERAL	40 CFR 60, subpart DD, NSPS for Grain Elevators [391-3-1-.02(8)(b)36]
FEDERAL	40 CFR 60, subpart DDD, NSPS for Volatile Organic Compound (VOC) Emission from Polymer Manufacturing Industry [391-3-1-.02(8)(b)54]
FEDERAL	40 CFR 60, subpart E, NSPS for Incinerators [391-3-1-.02(8)(b)6]
FEDERAL	40 CFR 60, subpart Ea, NSPS for Municipal Waste Combustors [391-3-1-.02(8)(b)7]
FEDERAL	40 CFR 60, subpart Eb, NSPS for Municipal Waste Combustors[391-3-1-.02(8)(b)71]
FEDERAL	40 CFR 60, subpart EE, NSPS for Surface Coating of Metal Furniture[391-3-1-.02(8)(b)37]
FEDERAL	40 CFR 60, subpart F, NSPS for Portland Cement Plants [391-3-1-.02(8)(b)8]
FEDERAL	40 CFR 60, subpart FFF, NSPS for Flexible Vinyl and Urethane Printing and Coating[391-3-1-.02(8)(b)55]
FEDERAL	40 CFR 60, subpart G, NSPS for Nitric Acid Plants [391-3-1-.02(8)(b)9]

FEDERAL	40 CFR 60, subpart GG, NSPS for Stationary Gas Turbines [391-3-1-.02(8)(b)38]
FEDERAL	40 CFR 60, subpart GGG, NSPS for Equipment Leaks of VOC in Petroleum Refineries [391-3-1-.02(8)(b)56]
FEDERAL	40 CFR 60, subpart H, NSPS for Sulfuric Acid Plants [391-3-1-.02(8)(b)10]
FEDERAL	40 CFR 60, subpart HH, NSPS for Lime Manufacturing Plants [391-3-1-.02(8)(b)39]
FEDERAL	40 CFR 60, subpart HHH, NSPS for Synthetic Fiber Production Facilities[391-3-1-.02(8)(b)57]
FEDERAL	40 CFR 60, subpart I, NSPS for Asphalt Concrete Plants [391-3-1-.02(8)(b)11]
FEDERAL	40 CFR 60, subpart III, NSPS for Volatile Organic Compounds (VOC) Emissions From the Synthetic Organic Chemical Manufacturing Industry (SOCMI) Air Oxidation Unit Processes [391-3-1-.02(8)(b)58]
FEDERAL	40 CFR 60, subpart J, NSPS for Petroleum Refineries [391-3-1-.02(8)(b)12]
FEDERAL	40 CFR 60, subpart JJJ, NSPS for Petroleum Dry Cleaners [391-3-1-.02(8)(b)59]
FEDERAL	40 CFR 60, subpart K, NSPS for Storage Vessels for Petroleum Liquids[391-3-1-.02(8)(b)13]
FEDERAL	40 CFR 60, subpart Ka, NSPS for Storage Vessels for Petroleum Liquids[391-3-1-.02(8)(b)14]
FEDERAL	40 CFR 60, subpart Kb, NSPS for Volatile Organic Liquid Storage Vessels[391-3-1-.02(8)(b)15]
FEDERAL	40 CFR 60, subpart KK, NSPS for Lead-Acid Battery Manufacturing Plants[391-3-1-.02(8)(b)40]
FEDERAL	40 CFR 60, subpart KKK, NSPS for Equipment Leaks of VOC from Onshore Natural Gas Processing Plants [391-3-1-.02(8)(b)60]
FEDERAL	40 CFR 60, subpart L, NSPS for Secondary Lead Smelters [391-3-1-.02(8)(b)16]
FEDERAL	40 CFR 60, subpart LL, NSPS for Metallic Mineral Processing Plants[391-3-1-.02(8)(b)41]
FEDERAL	40 CFR 60, subpart LLL, NSPS for Onshore Natural Gas Processing[391-3-1-.02(8)(b)61]
FEDERAL	40 CFR 60, subpart M, NSPS for Secondary Brass and Bronze Ingot Production Plants [391-3-1-.02(8)(b)17]
FEDERAL	40 CFR 60, subpart MM, NSPS for Automobile and Light-Duty Truck Coating Operations [391-3-1-.02(8)(b)42]
FEDERAL	40 CFR 60, subpart N, NSPS for Iron and Steel Plants [391-3-1-.02(8)(b)18]
FEDERAL	40 CFR 60, subpart Na, NSPS for Secondary Emissions from Basic Oxygen Process Steelmaking Facilities for Which Construction is Commenced After January 20, 1983[391-3-1-.02(8)(b)19]

FEDERAL	40 CFR 60, subpart NN, NSPS for Phosphate Rock Plants[391-3-1-.02(8)(b)43]
FEDERAL	40 CFR 60, subpart NNN, NSPS for Volatile Organic Compounds (VOC) Emissions From the Synthetic Organic Chemical Manufacturing Industry (SOCMI) Distillation Operation [391-3-1-.02(8)(b)62]
FEDERAL	40 CFR 60, subpart OOO, NSPS for Nonmetallic Mineral Processing Plants[391-3-1-.02(8)(b)63]
FEDERAL	40 CFR 60, subpart P, NSPS for Primary Copper Smelters [391-3-1-.02(8)(b)21]
FEDERAL	40 CFR 60, subpart PP, NSPS for Ammonium Sulfate Manufacture[391-3-1-.02(8)(b)44]
FEDERAL	40 CFR 60, subpart PPP, NSPS for Wool Fiberglass Insulation Manufacturing Plants [391-3-1-.02(8)(b)64]
FEDERAL	40 CFR 60, subpart Q, NSPS for Primary Zinc Smelters [391-3-1-.02(8)(b)22]
FEDERAL	40 CFR 60, subpart QQ, NSPS for Graphic Arts Industry: Publication Rotogravure Printing [391-3-1-.02(8)(b)45]
FEDERAL	40 CFR 60, subpart QQQ, NSPS for VOC Emissions from Petroleum Refinery Wastewater Systems [391-3-1-.02(8)(b)65]
FEDERAL	40 CFR 60, subpart R, NSPS for Primary Lead Smelters [391-3-1-.02(8)(b)23]
FEDERAL	40 CFR 60, subpart RR, NSPS for Pressure Sensitive Tape and Label Surface Coating Operations [391-3-1-.02(8)(b)46]
FEDERAL	40 CFR 60, subpart RRR, NSPS for VOC Emissions from Synthetic Organic Chemical Manufacturing Industry (SOCMI) Reactor Process [391-3-1-.02(b)66]
FEDERAL	40 CFR 60, subpart S, NSPS for Primary Aluminum Reduction [391-3-1-.02(8)(b)24]
FEDERAL	40 CFR 60, subpart SS, NSPS for Industrial Surface Coating: Large Appliances[391-3-1-.02(8)(b)47]
FEDERAL	40 CFR 60, subpart SSS, NSPS for Magnetic Tape Coating [391-3-1-.02(8)(b)67]
FEDERAL	40 CFR 60, subpart T, NSPS for the Phosphate Fertilizer Industry: Wet-Process Phosphoric Acid Plants [391-3-1-.02(8)(b)25]
FEDERAL	40 CFR 60, subpart TT, NSPS for Metal Coil Surface Coating [391-3-1-.02(8)(b)48]
FEDERAL	40 CFR 60, subpart TTT, NSPS for Plastic Parts for Business Machine Coatings [391-3-1-.02(8)(b)68]
FEDERAL	40 CFR 60, subpart U, NSPS for the Phosphate Fertilizer Industry: Superphosphoric Acid Plants [391-3-1-.02(8)(b)26]
FEDERAL	40 CFR 60, subpart UU, NSPS for Asphalt Processing and Asphalt Roofing Manufacture [391-3-1-.02(8)(b)49]
FEDERAL	40 CFR 60, subpart UUU, NSPS for Calciners and Dryers in Mineral Industries [391-3-1-.02(8)(b)69]
FEDERAL	40 CFR 60, subpart V, NSPS for the Phosphate Fertilizer Industry: Diammonium

	Phosphate Plants [391-3-1-.02(8)(b)27]
FEDERAL	40 CFR 60, subpart VV, NSPS for Equipment Leaks of VOC in the Synthetic Organic Chemicals Manufacturing Industry [391-3-1-.02(8)(b)50]
FEDERAL	40 CFR 60, subpart VVV, NSPS for Polymeric Coating of Supporting Substrates Facilities [391-3-1-.02(8)(b)70]
FEDERAL	40 CFR 60, subpart W, NSPS for the Phosphate Fertilizer Industry: Triple Superphosphate Plants [391-3-1-.02(8)(b)28]
FEDERAL	40 CFR 60, subpart WW, NSPS for Beverage Can Surface Coating Industry[391-3-1-.02(8)(b)51]
FEDERAL	40 CFR 60, subpart WWW, NSPS for Municipal Solid Waste Landfills[391-3-1-.02(8)(b)72]
FEDERAL	40 CFR 60, subpart X, NSPS for the Phosphate Fertilizer Industry: Granular Triple Superphosphate Storage Facilities [391-3-1-.02(8)(b)29]
FEDERAL	40 CFR 60, subpart XX, NSPS for Bulk Gasoline Terminals [391-3-1-.02(8)(b)52]
FEDERAL	40 CFR 60, subpart Y, NSPS for Coal Preparation Plants [391-3-1-.02(8)(b)30]
FEDERAL	40 CFR 60, subpart Z, NSPS for Ferroalloy Production Facilities[391-3-1-.02(8)(b)31]
FEDERAL	40 CFR 61, Subpart A – General Provisions
FEDERAL	40 CFR 61, subpart BB, NESHAP for Benzene Emissions from Benzene Transfer Operations [391-3-1-.02(9)(b)13]
FEDERAL	40 CFR 61, subpart C, NESHAP for Beryllium [391-3-1-.02(9)(b)1]
FEDERAL	40 CFR 61, subpart D, NESHAP for Beryllium Rocket Motor Firing[391-3-1-.02(9)(b)2]
FEDERAL	40 CFR 61, subpart E, NESHAP for Mercury [391-3-1-.02(9)(b)3]
FEDERAL	40 CFR 61, subpart F, NESHAP for Vinyl Chloride [391-3-1-.02(9)(b)4]
FEDERAL	40 CFR 61, subpart FF, NESHAP for Benzene Waste Operations[391-3-1-.02(9)(b)14]
FEDERAL	40 CFR 61, subpart J, NESHAP for Equipment Leaks (Fugitive Emission Sources) of Benzene [391-3-1-.02(9)(b)5]
FEDERAL	40 CFR 61, subpart L, NESHAP for Benzene Emissions from Coke Byproduct Recovery Plants [391-3-1-.02(9)(b)6]
FEDERAL	40 CFR 61, subpart M, NESHAP for Asbestos (inc. work practices)[391-3-1-.02(9)(b)7]
FEDERAL	40 CFR 61, subpart N, NESHAP for Inorganic Arsenic Emissions from Glass Manufacturing Plants [391-3-1-.02(9)(b)8]
FEDERAL	40 CFR 61, subpart O, NESHAP for Inorganic Arsenic Emissions from Primary Copper Smelters [391-3-1-.02(9)(b)9]
FEDERAL	40 CFR 61, subpart P, NESHAP for Inorganic Arsenic Emissions from Arsenic Trioxide and Metallic Arsenic Production Facilities [391-3-1-.02(9)(b)10]

FEDERAL	40 CFR 61, subpart V, NESHAP for Equipment Leaks (Fugitive Emission Sources) [of VHAP] [391-3-1-.02(9)(b)11]
FEDERAL	40 CFR 61, subpart Y, NESHAP for Benzene Emissions from Benzene Storage Vessels [391-3-1-.02(9)(b)12]
FEDERAL	40 CFR 63, Subpart AA, NESHAPs for Phosphoric Acid Manufacturing Plants
FEDERAL	40 CFR 63, Subpart B, Sections 63.40 through 63.44, Requirements for Control Technology Determinations for Major Sources in Accordance with the Clean Air Act sections 112(g) [391-3-1-.02(9)(b)16]
FEDERAL	40 CFR 63, Subpart B, Sections 63.50 through 63.56, Requirements for Control Technology Determinations for Major Sources in Accordance with the Clean Air Act sections 112(j) [391-3-1-.02(9)(b)17]
FEDERAL	40 CFR 63, Subpart BB, NESHAPs for Phosphate Fertilizer Production Plants
FEDERAL	40 CFR 63, Subpart CC, NESHAPS for Emission Standards for Hazardous Air Pollutants from Petroleum Refineries, ?63.642(k)procedures for ?63.642(g)[391-3-1-.02(9)(b)43]
FEDERAL	40 CFR 63, Subpart CCC, NESHAPs for Steel Pickling – HCl Process Facilities and HCl Regeneration Plants [391-3-1-.02(9)(b)65]
FEDERAL	40 CFR 63, Subpart CCCC, NESHAPs for Nutritional Yeast Manufacturing [391-3-1-.02(9)(b)91]
FEDERAL	40 CFR 63, Subpart D, Compliance Extensions for Early Reductions[391-3-1-.02(9)(b)19]
FEDERAL	40 CFR 63, Subpart DDD, NESHAPs for Mineral Wool Production [391-3-1-.02(9)(b)66]
FEDERAL	40 CFR 63, Subpart EE, NESHAPs for Magnetic Tape Manufacturing Operations[391-3-1-.02(9)(b)45]
FEDERAL	40 CFR 63, Subpart EEE, NESHAPs for Hazardous Waste Combustors [391-3-1-.02(9)(b)67]
FEDERAL	40 CFR 63, Subpart F, NESHAPs for Organic Hazardous Air Pollutants from the Synthetic Organic Chemical Manufacturing Industry [391-3-1-.02(9)(b)20]
FEDERAL	40 CFR 63, Subpart G, NESHAPs for Organic Hazardous Air Pollutants from Synthetic Organic Chemical Manufacturing Industry for Process Vents, Storage Vessels, Transfer Operations, and Wastewater. [391-3-1-.02(9)(b)21]
FEDERAL	40 CFR 63, Subpart GG, NESHAPS for Emission Standards for Aerospace Manufacturing and Rework Facilities[391-3-1-.02(9)(b)47]
FEDERAL	40 CFR 63, Subpart GGG, NESHAPs for Pharmaceuticals Production [391-3-1-.02(9)(b)69]
FEDERAL	40 CFR 63, Subpart GGGG, NESHAPs for Vegetable Oil Production [391-3-1-.02(9)(b)95]
FEDERAL	40 CFR 63, Subpart H, NESHAPs for Organic Hazardous Air Pollutants for Equipment Leaks [391-3-1-.02(9)(b)22]

FEDERAL	40 CFR 63, Subpart HH, NESHAPs for Oil and Natural Gas Production Facilities
FEDERAL	40 CFR 63, Subpart HHH, NESHAPs for Natural Gas Transmission and Storage Facilities [391-3-1-.02(9)(b)70]
FEDERAL	40 CFR 63, Subpart HHHH, NESHAPs for Wet Formed Fiberglass Mat Production
FEDERAL	40 CFR 63, Subpart I, NESHAPs for Organic Hazardous Air Pollutants for Certain Processes Subject to the Negotiated Regulation for Equipment Leaks[391-3-1-.02(9)(b)23]
FEDERAL	40 CFR 63, Subpart II, NESHAPS for Emission Standards for Shipbuilding and Repair(Surface Coating)[391-3-1-.02(9)(b)49]
FEDERAL	40 CFR 63, Subpart III, NESHAPs for Flexible Polyurethane Foam Production [391-3-1-.02(9)(b)71]
FEDERAL	40 CFR 63, Subpart J, NESHAPs for Polyvinyl Chloride and Copolymers Production
FEDERAL	40 CFR 63, Subpart JJ, NESHAPS for Emission Standards for Wood Furniture Manufacturing Operations[391-3-1-.02(9)(b)50]
FEDERAL	40 CFR 63, Subpart JJJ, NESHAPs for Group IV Polymers and Resins [391-3-1-.02(9)(b)72]
FEDERAL	40 CFR 63, Subpart L, NESHAPs for Coke Oven Batteries [391-3-1-.02(9)(b)26]
FEDERAL	40 CFR 63, Subpart LL, NESHAPs for Primary Aluminum Reduction Plants [391-3-1-.02(9)(b)52]
FEDERAL	40 CFR 63, Subpart LLL, NESHAPs for Portland Cement Manufacturing Industry [391-3-1-.02(9)(b)74]
FEDERAL	40 CFR 63, Subpart M, Perchloroethylene Air NESHAPs for Dry Cleaning Facilities[391-3-1-.02(9)(b)27]
FEDERAL	40 CFR 63, Subpart MMM, NESHAPs for Pesticide Active Ingredient Production [391-3-1-.02(9)(b)75]
FEDERAL	40 CFR 63, Subpart N, NESHAPs for Chromium Emissions from Hard and Decorative Chromium Electroplating and Chromium Anodizing Tanks [391-3-1-.02(9)(b)28]
FEDERAL	40 CFR 63, Subpart NNN, NESHAPs for Wool Fiberglass Manufacturing [391-3-1-.02(9)(b)76]
FEDERAL	40 CFR 63, Subpart NNNN, NESHAPs for Large Appliance Surface Coating
FEDERAL	40 CFR 63, Subpart O, Ethylene Oxide NESHAPs for Sterilization Facilities[391-3-1-.02(9)(b)29]
FEDERAL	40 CFR 63, Subpart OO, NESHAPs for Tanks, Level 1 [391-3-1-.02(9)(b)55]
FEDERAL	40 CFR 63, Subpart OOO, NESHAPs for Amino/Phenolic Resins Production [391-3-1-.02(9)(b)77]
FEDERAL	40 CFR 63, Subpart PP, NESHAPs for Containers [391-3-1-.02(9)(b)56]

FEDERAL	40 CFR 63, Subpart PPP, NESHAPs for Polyether Polyols Production [391-3-1-.02(9)(b)78]
FEDERAL	40 CFR 63, Subpart Q, NESHAPs for Hazardous Air Pollutants for Industrial Process Cooling Towers [391-3-1-.02(9)(b)31]
FEDERAL	40 CFR 63, Subpart QQ, NESHAPs for Surface Impoundments [391-3-1-.02(9)(b)57]
FEDERAL	40 CFR 63, Subpart QQQ, NESHAPs for Primary Copper Production
FEDERAL	40 CFR 63, Subpart QQQQ, NESHAPs for Friction Products Manufacturing
FEDERAL	40 CFR 63, Subpart R, NESHAPs for Gasoline Distribution Facilities (Bulk Gasoline Terminals and Pipeline Breakout Stations) [391-3-1-.02(9)(b)32]
FEDERAL	40 CFR 63, Subpart RR, NESHAPs for Individual Drain Systems [391-3-1-.02(9)(b)58]
FEDERAL	40 CFR 63, Subpart RRR, NESHAPs for Secondary Aluminum Production [391-3-1-.02(9)(b)80]
FEDERAL	40 CFR 63, Subpart SS, NESHAPs for Closed Vent Systems, Control Devices, Recovery Devices and Routing to a Fuel Gas System or a Process [391-3-1-.02(9)(b)59]
FEDERAL	40 CFR 63, Subpart SSSS, NESHAPs for Metal Coil Surface Coating
FEDERAL	40 CFR 63, Subpart T, NESHAPs for Halogenated Solvent Cleaning[391-3-1-.02(9)(b)34]
FEDERAL	40 CFR 63, Subpart TT, NESHAPs for Equipment Leaks, Control Level 1 [391-3-1-.02(9)(b)60]
FEDERAL	40 CFR 63, Subpart TTT, NESHAPs for Primary Lead Smelting [391-3-1-.02(9)(b)82]
FEDERAL	40 CFR 63, Subpart TTTT, NESHAPs for Leather Finishings Operations
FEDERAL	40 CFR 63, Subpart U, NESHAPs for Group I Polymers and Resins
FEDERAL	40 CFR 63, Subpart UU, NESHAPs for Equipment Leaks, Control Level 2 [391-3-1-.02(9)(b)61]
FEDERAL	40 CFR 63, Subpart UUU, NESHAPs for Petroleum Refineries
FEDERAL	40 CFR 63, Subpart UUUU, NESHAPs for Cellulose Production Manufacturing
FEDERAL	40 CFR 63, Subpart VV, NESHAPs for Oil-Water Separators and Organic-Water Separators [391-3-1-.02(9)(b)62]
FEDERAL	40 CFR 63, Subpart VVV, NESHAPs for Publicly Owned Treatment Works [391-3-1-.02(9)(b)84]
FEDERAL	40 CFR 63, Subpart VVVV, NESHAPs for Boat Manufacturing [391-3-1-.02(9)(b)110]
FEDERAL	40 CFR 63, Subpart W, NESHAPs for Hazardous Air Pollutants for Epoxy Resins Production and Non-Nylon Polyamides Production [391-3-1-.02(9)(b)37]
FEDERAL	40 CFR 63, Subpart WW, NESHAPs for Storage Vessels (Tanks) Control Level 2 [391-3-1-.02(9)(b)63]

FEDERAL	40 CFR 63, Subpart X, NESHAPs for Hazardous Air Pollutants From Secondary Lead Smelting [391-3-1-.02(9)(b)38]
FEDERAL	40 CFR 63, Subpart XXX, NESHAPs for Ferroalloys Production: Ferromanganese and Silicomanganese [391-3-1-.02(9)(b)86]
FEDERAL	40 CFR 63, Subpart XXXX, NESHAPs for Tire Manufacturing
FEDERAL	40 CFR 63, Subpart Y, NESHAPs for Emission Standards for Marine Tank Vessel Loading Operations[391-3-1-.02(9)(b)39]
FEDERAL	40 CFR 63, Subpart YY, NESHAPs for Generic MACT Standards [391-3-1-.02(9)(b)64]
FEDERAL	40 CFR 72 - PERMITS REGULATIONS [391-3-1-.13]
FEDERAL	40 CFR 73 - ALLOWANCE SYSTEM
FEDERAL	40 CFR 75 - CONTINUOUS EMISSION MONITORING
FEDERAL	40 CFR 76 - ACID RAIN NITROGEN OXIDES EMISSION REDUCTION PROGRAM
FEDERAL	40 CFR 77 - EXCESS EMISSIONS
FEDERAL	40 CFR 82 Subpart F – Refrigerant Recycling Rule
FEDERAL	40 CFR 82 Subpart G – Significant New Alternative Program
FEDERAL	40 CFR 82, Subpart A - Production and Consumption Controls
FEDERAL	40 CFR 82, Subpart B - Servicing of Motor Vehicle Air Conditioners
FEDERAL	40 CFR 82, Subpart C - Ban on Nonessential Products Containing Class I Substances and Ban on Nonessential Products Containing or Manufactured with Class II Substances
FEDERAL	40 CFR 82, Subpart D - Federal Procurement
FEDERAL	40 CFR 82, Subpart E - The Labeling of Products Using Ozone Depleting Substances
FEDERAL	40 CFR 82, Subpart G - Significant New Alternatives Policy Program
FEDERAL	40 CFR, Part 60, subpart AAAA, NSPS for Small Municipal Waste Combustion Units for Which Construction is Commenced After August 30, 1999 [391-3-1-.02(8)(b)74]
FEDERAL	40 CFR, Part 60, subpart CCCC, NSPS for Commercial and Industrial Solid Waste Incineration Units for Which Construction is Commenced After November 30, 1999 [391-3-1-.02(8)(b)75]
FEDERAL	40 CFR, Part 60, subpart Ec, NSPS for Hospital/Medical/Infectious Waste Incinerators for which construction is commenced after June 20, 1996 [391-3-1-.02(8)(b)73]
NONSIP	391-3-1-.02(2)(f) Normal Superphosphate Facilities
NONSIP	391-3-1-.02(2)(tt) VOC Emissions From Major Sources
NONSIP	391-3-1-.02(2)(uu) Visibility Protection
NONSIP	391-3-1-.02(2)(yy) Nitrogen Oxide Emissions From Major Sources

PBR	391-3-1-.03(11)(b)1. Fuel-burning Equipment Burning Natural Gas/LPG and/or Distillate Oil
PBR	391-3-1-.03(11)(b)10. Fiberglas Molding and Forming Operations
PBR	391-3-1-.03(11)(b)11. Nut Shelling (Proposed)
PBR	391-3-1-.03(11)(b)2. Fuel-burning Equipment Burning Natural Gas/LPG and/or Residual Oil
PBR	391-3-1-.03(11)(b)3. On-Site Power Generation
PBR	391-3-1-.03(11)(b)4. Concrete and Concrete Products
PBR	391-3-1-.03(11)(b)5. Hot Mix Asphalt Plants
PBR	391-3-1-.03(11)(b)6. Cotton Ginning Operations
PBR	391-3-1-.03(11)(b)7. Coating and/or Gluing Operations (Proposed)
PBR	391-3-1-.03(11)(b)9. Non-reactive Mixing Operations
PBR	391-3-1-.03(11)(b)8. Printing Operations
SIP	391-3-1-.02(2)(aa) VOC Emissions from Wire Coating
SIP	391-3-1-.02(2)(aaa) Consumer and Commercial Products
SIP	391-3-1-.02(2)(bb) Petroleum Liquid Storage
SIP	391-3-1-.02(2)(bbb) Gasoline Marketing
SIP	391-3-1-.02(2)(c) Incinerators
SIP	391-3-1-.02(2)(cc) Bulk Gasoline Terminals
SIP	391-3-1-.02(2)(ccc) VOC Emissions from Bulk Mixing Tanks
SIP	391-3-1-.02(2)(dd) Cutback Asphalt
SIP	391-3-1-.02(2)(ddd) VOC Emissions from Offset Lithography
SIP	391-3-1-.02(2)(ee) Petroleum Refinery
SIP	391-3-1-.02(2)(eee)VOC Emissions from Expanded Polystyrene Products Manufacturing
SIP	391-3-1-.02(2)(ff) Solvent Metal Cleaning
SIP	391-3-1-.02(2)(fff) Particulate Emissions from Yarn Spinning Operations
SIP	391-3-1-.02(2)(ggg) Existing Municipal Solid Waste Landfills
SIP	391-3-1-.02(2)(h) Portland Cement Plants
SIP	391-3-1-.02(2)(hh) Petroleum Refinery Equipment Leaks
SIP	391-3-1-.02(2)(hhh) Wood Furniture Finishing and Cleaning Operations

SIP	391-3-1-.02(2)(i) Nitric Acid Plants
SIP	391-3-1-.02(2)(ii) VOC Emissions from Surface Coating of Miscellaneous Metal Parts and Products
SIP	391-3-1-.02(2)(iii) Hospital/Medical/Infectious Waste Incinerators Constructed on or Before June 20, 1996
SIP	391-3-1-.02(2)(j) Sulfuric Acid Plants
SIP	391-3-1-.02(2)(jj) VOC Emissions from Surface Coating of Flat Wood Paneling
SIP	391-3-1-.02(2)(jjj) NOx Emissions from Electric Utility Steam Generating Units
SIP	391-3-1-.02(2)(k) Asphaltic Concrete Hot Mix Plants
SIP	391-3-1-.02(2)(kk) VOC Emissions from Synthesized Pharmaceutical Manufacturing
SIP	391-3-1-.02(2)(kkk) VOC Emissions from Aerospace Manufacturing and Rework Facilities
SIP	391-3-1-.02(2)(l) Conical Burners
SIP	391-3-1-.02(2)(ll) VOC Emissions from the Manufacture of Pneumatic Rubber Tires
SIP	391-3-1-.02(2)(lll) NOx Emissions from Fuel-burning Equipment
SIP	391-3-1-.02(2)(mm) VOC Emissions from Graphic Arts Systems
SIP	391-3-1-.02(2)(mmm) NOx Emissions from Stationary Gas Turbines and Stationary Engines used to Generate Electricity
SIP	391-3-1-.02(2)(nn) VOC Emissions from External Floating Roof Tanks
SIP	391-3-1-.02(2)(nnn) NOx Emissions from Large Stationary Gas Turbines
SIP	391-3-1-.02(2)(o) Cupola Furnaces
SIP	391-3-1-.02(2)(oo) Fiberglass Insulation Manufacturing Plants
SIP	391-3-1-.02(2)(ooo) Heavy-Duty Diesel Engine Requirements
SIP	391-3-1-.02(2)(p) Kaolin and Fuller's Earth Processes
SIP	391-3-1-.02(2)(pp) Bulk Gasoline Plants
SIP	391-3-1-.02(2)(ppp) Commercial/Industrial/Solid Waste Incinerators Constructed On or Before November 30, 1999
SIP	391-3-1-.02(2)(q) Cotton Gins
SIP	391-3-1-.02(2)(qq) VOC Emissions from Large Petroleum Dry Cleaners
SIP	391-3-1-.02(2)(r) Granular and Mixed Fertilizer
SIP	391-3-1-.02(2)(rr) Gasoline Dispensing Facility - Stage I

SIP	391-3-1-.02(2)(ss) Gasoline Transport Vehicles and Vapor Collection Systems
SIP	391-3-1-.02(2)(t) VOC Emissions from Automobile and Light-Duty Truck Manufacturing
SIP	391-3-1-.02(2)(u) VOC Emissions from Can Coating
SIP	391-3-1-.02(2)(v) VOC Emissions from Coil Coating
SIP	391-3-1-.02(2)(vv) Volatile Organic Liquid Handling and Storage
SIP	391-3-1-.02(2)(w) VOC Emissions from Paper Coating
SIP	391-3-1-.02(2)(x) VOC Emissions from Fabric and Vinyl Coating
SIP	391-3-1-.02(2)(y) VOC Emissions from Metal Furniture Coating
SIP	391-3-1-.02(2)(z) VOC Emissions from Large Appliance Surface Coating
SIP	391-3-1-.02(2)(zz) Gasoline Dispensing Facilities--Stage II
SIP	391-3-1-.02(5) Open Burning

C2 - Title VI Applicability

Does your facility have any air conditioners or refrigeration equipment that uses CFC's, HFC's or other stratospheric ozone-depleting substances listed in 40 CFR Part 82, Subpart A, Appendices A and B?

Yes

Does any air conditioner or any piece of refrigeration equipment contain a refrigerant charge of greater than 50 lbs?

Yes

Does your facility maintain, service, repair, or dispose of any motor vehicle air conditioners (MVAC's) or appliances?

Yes

Comments:

D11 - Emission Unit - Control Device Association

Facility: International Paper

Application: 2014 IP- Savannah BMACT

Emission Unit:	PB13, No. 13 Power Boiler
Emission Type:	Boilers, Furnaces & Other Indirect Contact Heat Generating Equipment
Control Device:	AP07, No. 13 Power Boiler Electrostatic Precipitator
Control Type:	Electrostatic Precipitator

Emission Unit:	PB13, No. 13 Power Boiler
Emission Type:	Boilers, Furnaces & Other Indirect Contact Heat Generating Equipment
Control Device:	PB13, No. 13 Power Boiler
Control Type:	Miscellaneous Device

D10 - Control Devices

Electrostatic Precipitator

Facility: International Paper

Application: 2014 IP- Savannah BMACT

Emission Unit: AP07 No. 13 Power Boiler Electrostatic Precipitator

Emission Unit

Unit ID:	AP07
Unit Name:	No. 13 Power Boiler Electrostatic Precipitator

Model Information

Manufacturer:	Research Cottrell
Model Number:	I.P. 3335-318310
Date Manufactured or Reconstructed:	
Installation Date:	1981

General Information

Control Reason: To comply with permit requirements

Parameters Currently Monitored: Secondary current, Secondary voltage

Primary Voltage:	1 volts
Primary Amperage:	1 amps
Secondary Voltage:	1 kiloVolts
Secondary Amperage:	1 milliamps
Spark Rate:	1 sparks per minute
Number Fields:	10 Fields
Inlet Gas Velocity:	40 ft./sec.
Water Flowrate:	0
Type Of ESP:	DRY

This Control Device controls the following Pollutants:

Pollutant	Overall Control Efficiency
Particulate Matter	92 %

This Control Device controls Emissions from the following Equipment:

Electrostatic Precipitator

Facility: International Paper

Application: 2014 IP- Savannah BMACT

Emission Unit: AP07 No. 13 Power Boiler Electrostatic Precipitator

Emission Unit	PB13, No. 13 Power Boiler
Equipment Type	Boilers, Furnaces & Other Indirect Contact Heat Generating Equipment

Description

Dry Plate Electrostatic Precipitator

Comments

Control Device is operated to comply with State or Federal Rules, Product Recovery, and Permit Requirements. Facility does not have design information for primary voltage, secondary voltage, primary amps, secondary amps or spark rate. Facility must monitor secondary current and secondary voltage to calculate secondary power under condition 5.2.3.b to comply with condition 6.1.7.c.xii of 75% of value determined in accordance with 4.2.2.

Inlet loading to control device is not available. Value shown is exit velocity.

D10 - Control Devices

Miscellaneous Device

Facility: International Paper

Application: 2014 IP- Savannah BMACT

Emission Unit: PB13 No. 13 Power Boiler

Emission Unit

Unit ID:	PB13
Unit Name:	No. 13 Power Boiler

Model Information

Manufacturer:	Combustion Engineering
Model Number:	VU40X
Date Manufactured or Reconstructed:	1981
Installation Date:	1982

General Information

Control Reason: To comply with state or federal rule

Parameters Currently Monitored: amount of time gases are fed to PB; comb temp

Device Specifications: LVHC & HVLC gases are introduced with the fuel into the flame zone. The amount of time the HVLC & LVHC gases are fed to PB13 is tracked; furnace combustion temperature is also monitored.

This Control Device controls the following Pollutants:

Pollutant	Overall Control Efficiency
Total Hazardous Air Pollutants	98 %

This Control Device controls Emissions from the following Equipment:

Emission Unit	PB13, No. 13 Power Boiler
Equipment Type	Boilers, Furnaces & Other Indirect Contact Heat Generating Equipment

Description

Reduces the total HAP emissions by introducing the HAPs into the flame zone of the boiler.

Comments

D7 - Significant Emission Units
Boilers, Furnaces, Other Indirect Contact Heat Generating Equipment

Facility: International Paper

Application: 2014 IP- Savannah BMACT

Emission Unit: PB13 No. 13 Power Boiler

Emission Unit

Unit ID:	PB13
Unit Name:	No. 13 Power Boiler

Model Information

Manufacturer:	Combustion Engineering
Model Number:	VU40X
Date Manufactured or Reconstructed:	1981
Installation Date:	1982
Heat Input Capacity:	1280 MMBtu

Description

This unit burns fuel to generate process steam.

Fuels and Firing Conditions:

Fuel: Bark (woodwaste)

Maximum Hourly Consumption:	40 tons
Maximum Annual Consumption:	350400 tons
Maximum Fuel Heating Value:	4757 Btu/lb
Maximum Heat Input:	381 MMBtu/hr
Maximum Allowable Sulfur Percentage:	0 %

Fuel: Coal

Maximum Hourly Consumption:	36 tons
Maximum Annual Consumption:	26276 tons
Maximum Fuel Heating Value:	0.0128 MMBtu/lb
Maximum Heat Input:	922 MMBtu/hr
Maximum Allowable Sulfur Percentage:	3 %

Boilers, Furnaces, Other Indirect Contact Heat Generating Equipment

Facility: International Paper

Application: 2014 IP- Savannah BMACT

Emission Unit: PB13 No. 13 Power Boiler

Fuel: Natural Gas

Maximum Hourly Consumption:	1.25 MM cubic feet
Maximum Annual Consumption:	10993 MM cubic feet
Maximum Fuel Heating Value:	1020 Btu/cf
Maximum Heat Input:	1280 MMBtu/hr
Maximum Allowable Sulfur Percentage:	0 %

Comments

D12 - Stack and Process Vent Summary

Facility: International Paper

Application: 2014 IP- Savannah BMACT

Stack ID	VE03
Stack Name	No. 13 Power Boiler ESP Stack
Stack Height	350 feet
All Emission Units Exhausting through this Stack	PB13
All Pollution Control Devices Exhausting through this Stack	AP07

Summary of Emissions - Units, Groups

Facility: International Paper

Application: 2014 IP- Savannah BMACT

Emission Unit: PB13 No. 13 Power Boiler

Pollutant Carbon Monoxide

Numerical Emission Limit or Standard: 400ppm @ 3% O₂, dry basis

Maximum Actual Emissions in Units of the Standard: 400ppm @ 3% O₂, dry basis

Maximum Actual Emissions in Tons per Year: 1742 tons/yr

Method the Emissions were determined (CEM, Stack Testing, Mass Balance, etc.):

Applicable Federal Standard: BACT Limit

Applicable State Standard:

Applicable Permit Condition(s):

Is this a Proposed Voluntary Limit? No

Is there a Work Practice or Design Standard? No

Is this in Compliance with the Standard(s) ? No

Emission Unit: PB13 No. 13 Power Boiler

Pollutant Hydrogen fluoride (Hydrofluoric acid)

Numerical Emission Limit or Standard: 0

Maximum Actual Emissions in Units of the Standard: 0

Maximum Actual Emissions in Tons per Year: 0.99 tons/yr

Method the Emissions were determined (CEM, Stack Testing, Mass Balance, etc.): 2013 NCASI, except Natural gas - AP-42

Applicable Federal Standard:

Applicable State Standard:

Applicable Permit Condition(s):

Is this a Proposed Voluntary Limit? No

Is there a Work Practice or Design Standard? No

Is this in Compliance with the Standard(s) ? No

Emission Unit: PB13 No. 13 Power Boiler**Pollutant Lead Compounds**

Numerical Emission Limit or Standard:	0
Maximum Actual Emissions in Units of the Standard:	0
Maximum Actual Emissions in Tons per Year:	0.01 tons/yr
Method the Emissions were determined (CEM, Stack Testing, Mass Balance, etc.):	2013 NCASI, except Natural gas - AP-42
Applicable Federal Standard:	
Applicable State Standard:	
Applicable Permit Condition(s):	
Is this a Proposed Voluntary Limit?	No
Is there a Work Practice or Design Standard?	No
Is this in Compliance with the Standard(s) ?	No

Emission Unit: PB13 No. 13 Power Boiler**Pollutant Nitrogen Oxides**

Numerical Emission Limit or Standard:	0.7lb/MMBtu
Maximum Actual Emissions in Units of the Standard:	0.313lb/MMBtu
Maximum Actual Emissions in Tons per Year:	1256.5 tons/yr
Method the Emissions were determined (CEM, Stack Testing, Mass Balance, etc.):	Calculated weight based on testing for coal and bark and NSPS Subpart D limit for natural gas
Applicable Federal Standard:	40 CFR 60.44(b)
Applicable State Standard:	391-3-1-.02(2)(d)4(iv)]
Applicable Permit Condition(s):	3.3.7©
Is this a Proposed Voluntary Limit?	No
Is there a Work Practice or Design Standard?	No
Is this in Compliance with the Standard(s) ?	Yes

Emission Unit: PB13 No. 13 Power Boiler**Pollutant Opacity**

Numerical Emission Limit or Standard:	20% Opacity
Maximum Actual Emissions in Units of the Standard:	20% Opacity
Maximum Actual Emissions in Tons per Year:	tons/yr
Method the Emissions were determined (CEM, Stack Testing, Mass Balance, etc.):	
Applicable Federal Standard:	40 CFR 60.42(a)(2)
Applicable State Standard:	391-3-1-.02(2)(d)3
Applicable Permit Condition(s):	3.3.8
Is this a Proposed Voluntary Limit?	No
Is there a Work Practice or Design Standard?	No
Is this in Compliance with the Standard(s) ?	Yes

Emission Unit: PB13 No. 13 Power Boiler**Pollutant Other**

Numerical Emission Limit or Standard:	0
Maximum Actual Emissions in Units of the Standard:	0
Maximum Actual Emissions in Tons per Year:	644701.5 tons/y
Method the Emissions were determined (CEM, Stack Testing, Mass Balance, etc.):	CO2e, 40 CRF Part 98 Subpart C, Tables C-1 and C-2
Applicable Federal Standard:	
Applicable State Standard:	
Applicable Permit Condition(s):	
Is this a Proposed Voluntary Limit?	No
Is there a Work Practice or Design Standard?	No
Is this in Compliance with the Standard(s) ?	No

Emission Unit: PB13 No. 13 Power Boiler**Pollutant Other**

Numerical Emission Limit or Standard:	0
Maximum Actual Emissions in Units of the Standard:	0
Maximum Actual Emissions in Tons per Year:	106.9 tons/yr
Method the Emissions were determined (CEM, Stack Testing, Mass Balance, etc.):	PM 2.5 Test Data, 2013 NCASI, AP-42
Applicable Federal Standard:	
Applicable State Standard:	
Applicable Permit Condition(s):	
Is this a Proposed Voluntary Limit?	No
Is there a Work Practice or Design Standard?	No
Is this in Compliance with the Standard(s) ?	No

Emission Unit: PB13 No. 13 Power Boiler**Pollutant Particulate Matter**

Numerical Emission Limit or Standard:	0.075lb/MMBtu
Maximum Actual Emissions in Units of the Standard:	0.0083lb/MMBtu
Maximum Actual Emissions in Tons per Year:	33.3 tons/yr
Method the Emissions were determined (CEM, Stack Testing, Mass Balance, etc.):	Test data for coal and bark, AP-42 for fuel oils and natural gas, max actual is filterable only
Applicable Federal Standard:	[40 CFR 52.21, 40 CFR 60.42(a)(1) (subsumed)
Applicable State Standard:	391-3-1-.02(2)(d)2(iii)
Applicable Permit Condition(s):	3.3.7a
Is this a Proposed Voluntary Limit?	No
Is there a Work Practice or Design Standard?	No
Is this in Compliance with the Standard(s) ?	Yes

Emission Unit: PB13 No. 13 Power Boiler**Pollutant Particulate Matter <10 microns**

Numerical Emission Limit or Standard:	0
Maximum Actual Emissions in Units of the Standard:	0
Maximum Actual Emissions in Tons per Year:	116.8 tons/yr
Method the Emissions were determined (CEM, Stack Testing, Mass Balance, etc.):	
Applicable Federal Standard:	
Applicable State Standard:	
Applicable Permit Condition(s):	
Is this a Proposed Voluntary Limit?	No
Is there a Work Practice or Design Standard?	No
Is this in Compliance with the Standard(s) ?	No

Emission Unit: PB13 No. 13 Power Boiler**Pollutant Sulfur Dioxide**

Numerical Emission Limit or Standard:	2822pounds/hour
Maximum Actual Emissions in Units of the Standard:	93.18pounds/hour
Maximum Actual Emissions in Tons per Year:	408.1 tons/yr
Method the Emissions were determined (CEM, Stack Testing, Mass Balance, etc.):	Coal - 2012-2013 coal data, Bark - Permit Cond. 6.2.6, Fuel Oil and natural gas- AP-42,
Applicable Federal Standard:	40 CFR 52.21
Applicable State Standard:	
Applicable Permit Condition(s):	3.3.7(b)(iv)
Is this a Proposed Voluntary Limit?	No
Is there a Work Practice or Design Standard?	No
Is this in Compliance with the Standard(s) ?	Yes

Emission Unit: PB13 No. 13 Power Boiler**Pollutant Sulfuric acid mist**

Numerical Emission Limit or Standard:	0
Maximum Actual Emissions in Units of the Standard:	0
Maximum Actual Emissions in Tons per Year:	4.04 tons/yr
Method the Emissions were determined (CEM, Stack Testing, Mass Balance, etc.):	2013 NCASI, except Natural gas - AP-42
Applicable Federal Standard:	
Applicable State Standard:	
Applicable Permit Condition(s):	
Is this a Proposed Voluntary Limit?	No
Is there a Work Practice or Design Standard?	No
Is this in Compliance with the Standard(s) ?	No

Emission Unit: PB13 No. 13 Power Boiler**Pollutant Volatile Organic Compounds**

Numerical Emission Limit or Standard:	0
Maximum Actual Emissions in Units of the Standard:	0
Maximum Actual Emissions in Tons per Year:	40.2 tons/yr
Method the Emissions were determined (CEM, Stack Testing, Mass Balance, etc.):	AP-42
Applicable Federal Standard:	
Applicable State Standard:	
Applicable Permit Condition(s):	
Is this a Proposed Voluntary Limit?	No
Is there a Work Practice or Design Standard?	No
Is this in Compliance with the Standard(s) ?	No

F - Facility Compliance

Facility: International Paper

Application: 2014 IP- Savannah BMACT

Compliance Determination Procedures: Monitoring

Emission Unit: PB13No. 13 Power Boile Pollutant: Sulfur Dioxide

Monitoring Code:	M20
Monitoring Code Description:	Sampling and analysis by reference test method
Is this Monitoring Already Taking Place and Being Performed?	Yes
Location Where Monitoring is Taking Place:	PB13 - No. 13 Power Boiler
Averaging Time:	30 Days
Data Acquisition Frequency:	1 Days
Description of the Types of Records Being Kept with this Monitoring:	lab analysis data sheets, spreadsheet calculations
Reporting Frequency:	3 Months
Regulation or Permit Condition that Requires this Monitoring:	391-3-1-.02(6)(b)1, 40 CFR 70.6(a)(3)(I) Condition 4.2.1, 4.2.2
Comments or Other Information:	Report deviations when > 1.2 lb SO ₂ / MMBtu when firing coal or bark or calculated limit when firing different fossil fuels simultaneously.

Emission Unit: PB13No. 13 Power Boile Pollutant: Particulate Matter

Monitoring Code: M23

Monitoring Code Description: Monitoring of control equipment and/or process operation parameters. [Note: For this entry, in addition to giving the code, List all parameters which will have specific limitations.]

Is this Monitoring Already Taking Place and Being Performed? Yes

Location Where Monitoring is Taking Place: VE03 - No. 13 Power Boiler ESP Stack

Averaging Time: 8 Hours

Data Acquisition Frequency: 1 Hours

Description of the Types of Records Being Kept with this Monitoring: electronic data historian of precipitator power levels.

Reporting Frequency: 3 Months

Regulation or Permit Condition that Requires this Monitoring: 391-3-1-.02(6)(b)1, 40 CFR 70.6(a)(3)(I) Condition 4.2.1, 4.2.2

Comments or Other Information: Total power is calculated from secondary current and secondary voltage for each section of the electrostatic precipitator. Report deviation when < 75% of tested value

Emission Unit: PB13No. 13 Power Boile Pollutant: Nitrogen Oxides

Monitoring Code: M20

Monitoring Code Description: Sampling and analysis by reference test method

Is this Monitoring Already Taking Place and Being Performed? Yes

Location Where Monitoring is Taking Place: PB13 - No. 13 Power Boiler

Averaging Time:

Data Acquisition Frequency:

Description of the Types of Records Being Kept with this Monitoring: Annual Performance Test

Reporting Frequency: 1 Years

Regulation or Permit Condition that Requires this Monitoring: 40 CFR 60 Subpart D Condition 4.2.1, 4.2.2

Comments or Other Information: Report deviations when > 0.30 lb NOx / MMBtu when firing fuel oil and bark or when > 0.70 lb NOx / MMBtu when firing coal and bark and >0.2 lb/MMBtu when firing natural gas

Compliance Determination Procedures: Reference Test Methods

Compliance Plan for a non-Compliant Emission Unit or Group

F - Facility Compliance

Facility: International Paper

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The following list contains all of the emissions units and groups that have been entered for this project:

Type	ID	Emission Group Name
Facility-Wide		Facility-Wide Emissions
Emission Unit	PB13	No. 13 Power Boiler

Completeness Report - Errors and Warnings

Facility: International Paper

Project: 2014 IP- Savannah BMACT

<i>Error</i>	<i>Warning</i>	<i>Description of Error or Warning</i>
		