445031180 EXPERA SPECIALTY SOLUTIONS LLC
600 Thilmany Rd
Kaukauna

DNR Region: Northeast
County: OUTAGAMIE
SIC Code: 2621 -- PAPER MILLS
NAICS Code: 322121 -- Paper (except Newsprint) Mills

 # Employees: 575
Area: 5227200 ft2

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DEVICE AND PROCESS LIST

DEVICE ID / > PROCESS ID	DEVICE CODE / > PROCESS CODE	DEVICE NAME / > PROCESS NAME	DEVICE CATEGORY / > PROCESS DESCRIPTION
B07	BOILER	THE NO. 7 BOILER IS A STOKER FIRED, STEAM GENERATING UNIT CAPABLE OF COMBUSTING MULTIPLE FUELS, EQUIPPED WITH A MULTICYCLONE AND WET SCRUBBER IN SERIES. EI: WOOD WASTE BOILER NO. 7	Boiler/Furnace
--> 01	GENERIC	BARK	Generic Throughput Process
--> 02	GENERIC	PAPER BROKE	Generic Throughput Process
--> 03	GENERIC	E3 GAL #6 FUEL OIL BURNED	Generic Throughput Process
--> 04	GENERIC	NATURAL GAS	Generic Throughput Process
--> 05	GENERIC	RESIDUAL FIBERS	Generic Throughput Process
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B08	BOILER	THE NO. 8 KRAFT RECOVERY BOILER IS A NON-DIRECT CONTACT, LOW ODOR, STEAM GENERATING UNIT USED TO RECOVER KRAFT COOKING CHEMICALS, CAPABLE OF COMBUSTING BLACK LIQUOR, NATURAL GAS, AND FUEL OIL, EQUIPPED WITH AN ESP SYSTEM SHARED IN PARALLEL CONFIGURATION WITH THE NO.10 RECOVERY BOILER (B10). EI: KRAFT RECOVERY BOILER NO. 8	Boiler/Furnace
--> 01	GENERIC	NATURAL GAS	Generic Throughput Process
--> 02	GENERIC	NO. 6 OIL	Generic Throughput Process
--> 04	GENERIC	Ultra Low S Diesel Fuel	Generic Throughput Process
---	---	---	---
B08A	PAPR HNDLNG SYS		Miscellaneous
--> 01	GENERIC	BLACK LIQUOR SOLIDS	Generic Throughput Process
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B09	BOILER	THE NO. 9 BOILER IS A SINGLE CYCLONE, STEAM GENERATING UNIT CAPABLE OF COMBUSTING MULTIPLE FUELS, EQUIPPED WITH A MUTLICYCLONE AND ELECTROSTATIC PRECIPITATOR (ESP) IN SERIES. ESP AND EXHAUST STACK IS COMMON WITH NO. 11 BOILER (B11). EI: SINGLE CYCLONE BOILER NO. 9 - INDUSTRIAL	Boiler/Furnace
--> 01	GENERIC	BITUMINOUS COAL	Generic Throughput Process
--> 02	GENERIC	NATURAL GAS	Generic Throughput Process
--> 03	GENERIC	PETROLEUM COKE	Generic Throughput Process
--> 04	GENERIC	PAPER BROKE	Generic Throughput Process
--> 05	GENERIC	#6 FUEL OIL	Generic Throughput Process
--> 06	GENERIC	TREATMENT PLANT SLUDGE	Generic Throughput Process
--> 07	GENERIC	TDF	Generic Throughput Process
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B10	BOILER	THE NO. 10 RECOVERY BOILER IS A NON-DIRECT CONTACT, LOW ODOR, STEAM GENERATING UNIT USED TO RECOVER KRAFT COOKING CHEMICALS, CAPABLE OF COMBUSTING BLACK LIQUOR, NATURAL GAS AND FUEL OIL, EQUIPPED WITH AN ESP SYSTEM SHARED IN PARALLEL CONFIGURATION WITH THE NO. 8 RECOVERY BOILER (B08). EI: KRAFT RECOVERY BOILER NO. 10	Boiler/Furnace
--> 02	GENERIC	NATURAL GAS	Generic Throughput Process
--> 04	GENERIC	Ultra Low S Diesel Fuel	Generic Throughput Process
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B10A	PAPR HNDLNG SYS		Miscellaneous
--> 01	GENERIC	BLACK LIQUOR SOLIDS	Generic Throughput Process
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B11	BOILER	THE NO. 11 BOILER IS A TWIN CYCLONE, STEAM GENERATING UNIT CAPABLE OF COMBUSTING MULTIPLE FUELS, EQUIPPED WITH A MULTICYCLONE AND ESP IN SERIES. THE ESP AND EXHAUST STACK IS COMMON WITH NO. 9 BOILER (B09). THE NO.11 BOILER IS CAPABLE OF COMBUSTING NON-CONDENSIBLE GASES (NCGs). EI: TWIN CYCLONE BOILER NO. 11 - INDUSTRIAL	Boiler/Furnace
--> 01	GENERIC	BITUMINOUS COAL	Generic Throughput Process
--> 02	GENERIC	NO. 6 OIL	Generic Throughput Process
--> 04	GENERIC	PAPER BROKE	Generic Throughput Process
--> 05	GENERIC	PETROLEUM COKE	Generic Throughput Process
--> 06	GENERIC	TDF	Generic Throughput Process
--> 07	GENERIC	NAT GAS	Generic Throughput Process
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B11A	PAPR HNDLNG SYS		Miscellaneous
--> 01	GENERIC	NCG	Generic Throughput Process
---	---	---	---
B81	BOILER	PACKAGE BOILER	Boiler/Furnace
--> 01	GENERIC	PACKAGE BOILER	Generic Throughput Process
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C01	CYCLONE	CYCLONE FOR NO. 7 BOILER	Cyclone/Settling Chambers
--> 01	CONTROLLING		Used for collectors
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C02	SCRUBBER	WET SCRUBBER FOR NO. 7 BOILER	Wet Collection Systems
--> 01	CONTROLLING		Used for collectors
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C03	ESP	PRECIPITATOR - BOILERS 8 ^ 10 - A SIDE	Electrostatic Precipitator
--> 01	CONTROLLING		Used for collectors
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C04	ESP	PRECIPITATOR - BOILERS 8 ^ 10 - B SIDE	Electrostatic Precipitator
--> 01	CONTROLLING		Used for collectors
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C05	SCRUBBER	WET SCRUBBER FOR NO.8 SMELT DISSOLVING TANK	Wet Collection Systems
--> 01	CONTROLLING		Used for collectors
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C06	CYCLONE	THE MULTICYCLONE IS A 96 TUBE MULTICYCLONE WITH TOP INLET AND SIDE i1OUTLET. TWO HOPPERS WITH 10 INCH SQUARE DISCHARGE, AND TANGENTIAL i1ENTRY. EI: CYCLONE FOR NO. 9 BOILER	Cyclone/Settling Chambers
--> 01	CONTROLLING		Used for collectors

C07	SCRUBBER	THE SCRUBBER IS AN IMPINGEMENT TYPE, MULTIVANE SCRUBBER WITH NO i1RECIRCULATION. EI: ELECTROSTATIC PRECIPITATOR - BOILERS 9 ^ 11	Wet Collection Systems
--> 01	CONTROLLING		Used for collectors
C10	ESP	THE ESP SYSTEM INCLUDES TWO SINGLE CHAMBER, THREE-FIELD, THREE-PLATE i1(PERFORATED), TOP INLET/TOP OUTLET, DRY BOTTOM UNITS IN PARALLEL. i1THE AIR FLOWS EXHAUSTED FROM RECOVERY BOILER NOS. 8 AND 10 ARE SPLIT i1TO THE "A-SIDE" AND "B-SIDE" OF THE SYSTEM. INFORMATION PRESENTED IN i1THIS FORM REPRESENTS THE A-SIDE PRECIPITATOR. EI: WET SCRUBBER FOR NO. 10 SMELT DISSOLVING TANK	Electrostatic Precipitator
--> 01	CONTROLLING		Used for collectors
C11	ESP	multicyclone for B11	Electrostatic Precipitator
--> 01	CONTROLLING		Used for collectors
C13	SCRUBBER	LIME KILN SCRUBBER - VENTURI	Wet Collection Systems
--> 01	CONTROLLING		Used for collectors
C20	SCRUBBER	PARTICULATE -LADEN STEAM IS COLLECTED FROM SLAKER AND CAUSTICIZERS i1AND DIRECTED THROUGH CONDENSING SCRUBBER. FRESH WATER SPRAY NOZZLES i1SCRUB THE FLUE GAS AND CONDENSE THE STEAM. EI: SCRUBBER FOR SLAKER AND CAUSTICIZERS	Wet Collection Systems
--> 01	CONTROLLING		Used for collectors
C7911	BAGHOUSE	Baghouse	Baghouse/Fabric Filter
--> 01	CONTROLLING	Baghouse	Used for collectors
C7911DSI	CONTROL	DSI system	Miscellaneous
--> 01	CONTROLLING		Used for collectors
F01	GENERIC	COAL PILE	Miscellaneous
--> 01	GENERIC	COAL TRANSFER OPERATIONS	Generic Throughput Process
F02	GENERIC	WIND EROSION	Miscellaneous
--> 01	GENERIC	WIND EROSION	Generic Throughput Process
F03	GENERIC	COAL PILE MAINTENANCE	Miscellaneous
--> 01	GENERIC	COAL PILE MAINTENANCE	Generic Throughput Process
F04	GENERIC	LOAD TO TRUCKS	Miscellaneous
--> 01	GENERIC	ASH LOADING TO TRUCKS	Generic Throughput Process

P08	REACTOR	THE NO. 8 SMELT DISSOLVING TANK IS A LARGE TANK THAT RECEIVES MOLTEN INORGANIC KRAFT COOKING CHEMICALS (SMELT) RECOVERED BY THE NO. 8 RECOVERY BOILER AND IS EQUIPPED WITH A SCRUBBER. EI: NO. 8 SMELT DISSOLVING PROCESS	Miscellaneous
--> 00	GENERIC	DISSOLVING	Generic Throughput Process
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P10	REACTOR	THE NO. 10 SMELT DISSOLVING TANK IS A LARGE TANK THAT RECEIVES MOLTEN INORGANIC KRAFT COOKING CHEMICALS (SMELT) RECOVERED BY THE NO. 10 RECOVERY BOILER AND IS EQUIPPED WITH A SCRUBBER. EI: NO. 10 SMELT DISSOLVING PROCESS	Miscellaneous
--> 01	GENERIC	DISSOLVING	Generic Throughput Process
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P11	PAPER MACHINE	NO. 11 PAPER MACHINE	Miscellaneous
--> 00	GENERIC	THRUPUT IS TON EQUIV. PULP AD	Generic Throughput Process
--> 01	GENERIC	ON MACHINE SIZE PRESS COATER	Generic Throughput Process
--> 02	GENERIC	WET END ADDITIVES	Generic Throughput Process
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P12	BOILER	THE LIME KILN IS A LARGE, ROTATING CYLINDRICAL DEVICE. EI: LIME KILN FOR KRAFT RECOVERY CYCLE	Boiler/Furnace
--> 01	GENERIC	No 6 Oil	Generic Throughput Process
--> 02	GENERIC	Natural gas	Generic Throughput Process
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P12A	CALCINER		Miscellaneous
--> 01	GENERIC	CALCINING	Generic Throughput Process
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P13	DRYER	NO. 13 PAPER MACHINE	Boiler/Furnace
--> 01	GENERIC	PM 13 - NATURAL GAS BURNER	Generic Throughput Process
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P13A	PAPER MACHINE	13 Paper Machine	Miscellaneous
--> 01	GENERIC	PULP AD	Generic Throughput Process
--> 02	GENERIC	13 PAPER MACHINE COATER	Generic Throughput Process
--> 03	GENERIC	13 PM WET END ADDITIVES	Generic Throughput Process
---	---	---	---
P14	BOILER	NO 14 PAPER MACHINE	Boiler/Furnace
--> 01	GENERIC	NAT GAS - PM 14 BURNER	Generic Throughput Process
---	---	---	---
P14A	PAPR HNDLNG SYS		Miscellaneous
--> 01	GENERIC	14 PM PULP ADDITIVES	Generic Throughput Process
--> 02	GENERIC	14 PAPER MACHINE COATER	Generic Throughput Process
--> 03	GENERIC	14 PM WET END ADDITIVES	Generic Throughput Process
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P15	BOILER	NO. 15 PAPER MACHINE. EI: NO. 15 PAPER MACHINE	Boiler/Furnace
--> 02	GENERIC	PM 15 - NATURAL GAS BURNER	Generic Throughput Process
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P15A	PAPR HNDLNG SYS		Miscellaneous
--> 01	GENERIC	15 PM PULP ADDITIVES	Generic Throughput Process
--> 02	GENERIC	MACHINE COATER	Generic Throughput Process
--> 03	GENERIC	15 PM WET END ADDITIVE	Generic Throughput Process
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P16	PAPER MACHINE	NO.S 10 AND 12 PAPER MACHINES	Miscellaneous
--> 01	GENERIC	12 PAPER MACHINE	Generic Throughput Process
--> 02	GENERIC	12 PM WET END ADDITIVES	Generic Throughput Process

P17	REACTOR	DIGESTER/EVAPORATOR/TURPENTINE NONCONDENSIBLE GAS COLLECTION SYSTEM. EI: DIGESTER, EVAPORATOR, TURPENTINE CONDENSER NCG SYS	Miscellaneous
--> 00	GENERIC	THRUPUT IS TON EQUIV. PULP AD	Generic Throughput Process
P18	COOLING TOWER	PAPER MACHINE COOLING TOWER	Miscellaneous
--> 01	GENERIC	Paper Machine Cooling Tower	Generic Throughput Process
P19	REACTOR	SLAKER AND CAUSTICIZING TANKS EI: SLAKER, CAUSTICIZING TANKS	Miscellaneous
--> 00	GENERIC	THRUPUT IS TON CAO FEED	Generic Throughput Process
P20	SCREEN	BROWN STOCK WASHER SYSTEM EI: BROWN STOCK WASHERS	Miscellaneous
--> 00	GENERIC	THRUPUT IS TON EQUIV. PULP AD	Generic Throughput Process
P21	@	UNBLEACHED PULP SYSTEM. EI: PULP STORAGE	Miscellaneous
--> 00	GENERIC	THRUPUT IS TIME OF STORAGE	Generic Throughput Process
P22	SCREEN	DECKER	Miscellaneous
--> 01	GENERIC	DECKER ^ WET LAP MACHINE	Generic Throughput Process
P26A	GENERIC	Kraft Black Liquor tank flowage	Miscellaneous
--> 00	GENERIC	Black Liquor	Generic Throughput Process
P27	GENERIC	TURPENTINE STORAGE TANK AND TRANSFER OPERATION EI: TURPENTINE STORAGE ^ LOADING SYSTEM	Miscellaneous
--> 00	BREATHING	THRUPUT IS GAL TRANSFERRED	Tank breathing loss
--> 01	WORKING	Turpentine	Loss of vapors from a tank due to inflow/outflow
P39	GENERIC	FACILITY WIDE PROCESS WASTEWATER (INCLUDING STORMWATER FROM PAVED MILL AREAS) IS COLLECTED AND TREATED BY PHYSICAL AND BIOLOGICAL PROCESSES PRIOR TO DISCHARGE. EI: WASTEWATER COLLECTION AND TREATMENT SYSTEM	Miscellaneous
--> 01	GENERIC	WASTEWATER COLLECTION AND TREATMENT	Generic Throughput Process
--> 02	GENERIC	24" FIBERGLASS PULP SEWER VENT	Generic Throughput Process
--> 03	GENERIC	PULP MILL SEWER VENT	Generic Throughput Process
P39A	COOLING TOWER		Miscellaneous
--> 01	GENERIC	WASTE WATER COOLING TOWER	Generic Throughput Process
P45	GENERIC	No.13 Paper Machine Coater EI: LOG STORAGE, CHIPPING, CONVEYING, SCREENING SYSTEM	Miscellaneous
--> 00	GENERIC	THRUPUT IS TON WOOD CHIPS HANDLED	Generic Throughput Process
--> 01	GENERIC	LOG HANDLING	Generic Throughput Process
P49	VEHICLE	VEHICLE TRAFFIC ON VARIOUS PAVED & UNPAVED ROADS THROUGHOUT FACILITY EI: MILLWIDE HAUL ROADS	Miscellaneous
--> 00	GENERIC	UNPAVED ROADS	Generic Throughput Process
--> 02	GENERIC	PAVED ROADS	Generic Throughput Process

P50	GENERIC	INDUSTRIAL LANDFILL EI: LANDFILL	Miscellaneous
--> 00	GENERIC	VOC	Generic Throughput Process
--> 01	GENERIC	PAVED ROAD	Generic Throughput Process
--> 02	GENERIC	UNPAVED	Generic Throughput Process
P51	STOCKPILE	BARK HANDLING	Miscellaneous
--> 01	GENERIC	BARK HANDLING	Generic Throughput Process
P55C	PRINTER		Printing
P76A	PRINTER		Printing
P99	COATER	INSIGNIFICANT SOURCES	Painting/Coating
--> 00	GENERIC	THRUPUT IS LB ROG EMITTED	Generic Throughput Process

EMISSION FLOW SUMMARY

B07-01 ---(100%)---> C01-01
C01-01 ---(100%)---> C7911DSI-01
C7911DSI-01 ---(100%)---> C7911-01
C7911-01 ---(100%)---> S09-01 ---(100%)---> OUT
B07-02 ---(100%)---> C01-01
C01-01 ---(100%)---> C7911DSI-01
C7911DSI-01 ---(100%)---> C7911-01
C7911-01 ---(100%)---> S09-01 ---(100%)---> OUT
B07-03 ---(100%)---> C01-01
C01-01 ---(100%)---> C7911DSI-01
C7911DSI-01 ---(100%)---> C7911-01
C7911-01 ---(100%)---> S09-01 ---(100%)---> OUT
B07-04 ---(100%)---> C01-01
C01-01 ---(100%)---> C7911DSI-01
C7911DSI-01 ---(100%)---> C7911-01
C7911-01 ---(100%)---> S09-01 ---(100%)---> OUT
B07-05 ---(100%)---> C01-01
C01-01 ---(100%)---> C7911DSI-01
C7911DSI-01 ---(100%)---> C7911-01
C7911-01 ---(100%)---> S09-01 ---(100%)---> OUT
B08-01 ---(50%)---> C03-01
C03-01 ---(100%)---> S08-01 ---(100%)---> OUT
B08-01 ---(50%)---> C04-01
C04-01 ---(100%)---> S10-01 ---(100%)---> OUT
B08-02 ---(50%)---> C03-01
C03-01 ---(100%)---> S08-01 ---(100%)---> OUT
B08-02 ---(50%)---> C04-01
C04-01 ---(100%)---> S10-01 ---(100%)---> OUT
B08-04 ---(50%)---> C03-01
C03-01 ---(100%)---> S08-01 ---(100%)---> OUT
B08-04 ---(50%)---> C04-01
C04-01 ---(100%)---> S10-01 ---(100%)---> OUT
B08A-01 ---(50%)---> C03-01
C03-01 ---(100%)---> S08-01 ---(100%)---> OUT
B08A-01 ---(50%)---> C04-01
C04-01 ---(100%)---> S10-01 ---(100%)---> OUT
B09-01 ---(100%)---> C06-01
C06-01 ---(100%)---> C7911DSI-01
C7911DSI-01 ---(100%)---> C7911-01
C7911-01 ---(100%)---> S09-01 ---(100%)---> OUT
B09-02 ---(100%)---> C06-01
C06-01 ---(100%)---> C7911DSI-01
C7911DSI-01 ---(100%)---> C7911-01

C7911-01 ---(100%)---> S09-01 ---(100%)---> OUT
B09-03 ---(100%)---> C06-01
C06-01 ---(100%)---> C7911DSI-01
C7911DSI-01 ---(100%)---> C7911-01
C7911-01 ---(100%)---> S09-01 ---(100%)---> OUT
B09-04 ---(100%)---> C06-01
C06-01 ---(100%)---> C7911DSI-01
C7911DSI-01 ---(100%)---> C7911-01
C7911-01 ---(100%)---> S09-01 ---(100%)---> OUT
B09-05 ---(100%)---> C06-01
C06-01 ---(100%)---> C7911DSI-01
C7911DSI-01 ---(100%)---> C7911-01
C7911-01 ---(100%)---> S09-01 ---(100%)---> OUT
B09-06 ---(100%)---> C06-01
C06-01 ---(100%)---> C7911DSI-01
C7911DSI-01 ---(100%)---> C7911-01
C7911-01 ---(100%)---> S09-01 ---(100%)---> OUT
B09-07 ---(100%)---> C06-01
C06-01 ---(100%)---> C7911DSI-01
C7911DSI-01 ---(100%)---> C7911-01
C7911-01 ---(100%)---> S09-01 ---(100%)---> OUT
B10-02 ---(50%)---> C03-01
C03-01 ---(100%)---> S08-01 ---(100%)---> OUT
B10-02 ---(50%)---> C04-01
C04-01 ---(100%)---> S10-01 ---(100%)---> OUT
B10-04 ---(50%)---> C03-01
C03-01 ---(100%)---> S08-01 ---(100%)---> OUT
B10-04 ---(50%)---> C04-01
C04-01 ---(100%)---> S10-01 ---(100%)---> OUT
B10A-01 ---(50%)---> C03-01
C03-01 ---(100%)---> S08-01 ---(100%)---> OUT
B10A-01 ---(50%)---> C04-01
C04-01 ---(100%)---> S10-01 ---(100%)---> OUT
B11-01 ---(100%)---> C11-01
C11-01 ---(100%)---> C7911DSI-01
C7911DSI-01 ---(100%)---> C7911-01
C7911-01 ---(100%)---> S09-01 ---(100%)---> OUT
B11-02 ---(100%)---> C11-01
C11-01 ---(100%)---> C7911DSI-01
C7911DSI-01 ---(100%)---> C7911-01
C7911-01 ---(100%)---> S09-01 ---(100%)---> OUT
B11-04 ---(100%)---> C11-01
C11-01 ---(100%)---> C7911DSI-01
C7911DSI-01 ---(100%)---> C7911-01
C7911-01 ---(100%)---> S09-01 ---(100%)---> OUT
B11-05 ---(100%)---> C11-01

C11-01 ---(100%)---> C7911DSI-01
C7911DSI-01 ---(100%)---> C7911-01
C7911-01 ---(100%)---> S09-01 ---(100%)---> OUT
B11-06 ---(100%)---> C11-01
C11-01 ---(100%)---> C7911DSI-01
C7911DSI-01 ---(100%)---> C7911-01
C7911-01 ---(100%)---> S09-01 ---(100%)---> OUT
B11-07 ---(100%)---> C11-01
C11-01 ---(100%)---> C7911DSI-01
C7911DSI-01 ---(100%)---> C7911-01
C7911-01 ---(100%)---> S09-01 ---(100%)---> OUT
B11A-01 ---(100%)---> C11-01
C11-01 ---(100%)---> C7911DSI-01
C7911DSI-01 ---(100%)---> C7911-01
C7911-01 ---(100%)---> S09-01 ---(100%)---> OUT
B81-01 ---(100%)---> OUT
F01-01 ---(100%)---> OUT
F02-01 ---(100%)---> OUT
F03-01 ---(100%)---> OUT
F04-01 ---(100%)---> OUT
P08-00 ---(100%)---> C05-01
C05-01 ---(100%)---> S05-01 ---(100%)---> OUT
P10-01 ---(100%)---> C10-01
C10-01 ---(100%)---> S06-01 ---(100%)---> OUT
P11-00 ---(100%)---> S11-01 ---(100%)---> OUT
P11-01 ---(100%)---> S11-01 ---(100%)---> OUT
P11-02 ---(100%)---> S11-01 ---(100%)---> OUT
P12-01 ---(100%)---> C13-01
C13-01 ---(100%)---> S12-01 ---(100%)---> OUT
P12-02 ---(100%)---> C13-01
C13-01 ---(100%)---> S12-01 ---(100%)---> OUT
P12A-01 ---(100%)---> C13-01
C13-01 ---(100%)---> S12-01 ---(100%)---> OUT
P13-01 ---(100%)---> S13-01 ---(100%)---> OUT
P13A-01 ---(100%)---> S13-01 ---(100%)---> OUT
P13A-02 ---(100%)---> S13-01 ---(100%)---> OUT
P13A-03 ---(100%)---> OUT
P14-01 ---(100%)---> S14-01 ---(100%)---> OUT
P14A-01 ---(100%)---> S14-01 ---(100%)---> OUT
P14A-02 ---(100%)---> S14-01 ---(100%)---> OUT
P14A-03 ---(100%)---> S14-01 ---(100%)---> OUT
P15-02 ---(100%)---> S15-01 ---(100%)---> OUT
P15A-01 ---(100%)---> S15-01 ---(100%)---> OUT
P15A-02 ---(100%)---> OUT
P15A-03 ---(100%)---> OUT
P16-01 ---(100%)---> S16-01 ---(100%)---> OUT

P16-02 ---(100%)---> S16-01 ---(100%)---> OUT

P17-00 ---(100%)---> S17-01 ---(100%)---> OUT

P18-01 ---(100%)---> S18-01 ---(100%)---> OUT

P19-00 ---(100%)---> C20-01

C20-01 ---(100%)---> S19-01 ---(100%)---> OUT

P20-00 ---(100%)---> S20-01 ---(100%)---> OUT

P21-00 ---(100%)---> S21-01 ---(100%)---> OUT

P22-01 ---(100%)---> S22-01 ---(100%)---> OUT

P26A-00 ---(100%)---> OUT

P27-00 ---(100%)---> OUT

P27-01 ---(100%)---> OUT

P39-01 ---(100%)---> OUT

P39-02 ---(100%)---> S28-01 ---(100%)---> OUT

P39-03 ---(100%)---> S29-01 ---(100%)---> OUT

P39A-01 ---(100%)---> OUT

P45-00 ---(100%)---> OUT

P45-01 ---(100%)---> OUT

P49-00 ---(100%)---> OUT

P49-02 ---(100%)---> OUT

P50-00 ---(100%)---> OUT

P50-01 ---(100%)---> OUT

P50-02 ---(100%)---> OUT

P51-01 ---(100%)---> OUT

P99-00 ---(100%)---> S99-01 ---(100%)---> OUT

DEVICES/PROCESSES DETAILS

B07 **Boiler/Furnace** **Boiler**

DEVICE DESC: THE NO. 7 BOILER IS A STOKER FIRED, STEAM GENERATING UNIT CAPABLE OF COMBUSTING MULTIPLE FUELS, EQUIPPED WITH A MULTICYCLONE AND WET SCRUBBER IN SERIES. EI: WOOD WASTE BOILER NO. 7

CONSTR DATE: 01/01/1948

DEVICE COMMENTS: EI: MULTICLONES AND WET SCRUBBER

MAX RATED CAPACITY: 204 MMBTU/HR

B07, Process 01 **Generic Throughput Process**

PROCESS NAME: BARK

SCC CODE: 10200901

PROCESS COMMENTS:

SCHEDULE: 24 Hrs/Day 7 Dys/Wk 337 Dys/Yr

QTRLY SCHEDULE: Q1: 25% Q2: 25% Q3: 25% Q4: 25%

ANNUAL TPUT: 48308 TON of Solid Waste - Wood and/or Bark

AVG TPUT: 5.9727992087 TON/HR

MAX TPUT: 7 TON/HR

--EMISSION FACTORS--

POLLUTANT	VALUE / UNIT	ORIGIN
ACETALDEHYDE	.00826763 LB / TON	EPA
ACETONE	.000693 LB / TON	EPA
ACETOPHENONE	.00000234 LB / TON	EPA
ACROLEIN	.000702 LB / TON	DNR
ANTIMONY	.00000225 LB / TON	EPA
ARSENIC	.000273 LB / TON	EPA
BARIUM	.000459 LB / TON	EPA
BENZ(A)ANTHR	.00000055 LB / TON	EPA
BENZENE	.00225 LB / TON	EPA
BENZO(A)PHEN	.00000031 LB / TON	EPA
BENZO(A)PYRE	.0000219 LB / TON	EPA
BENZO(B)FLUO	.0000009961 LB / TON	EPA
BENZO(JK)FLE	.0000135 LB / TON	EPA
BENZO(K)FLUO	.000000358596 LB / TON	EPA
BERYLLIUM	.00000094 LB / TON	EPA
CADMIUM	.000073 LB / TON	EPA
CARBON TETRA	.00000801 LB / TON	EPA
CFC-11	.000408401 LB / TON	EPA
CHLORINE	.00786919 LB / TON	EPA
CHLOROBENZ	0 LB / TON	EPA
CHLOROFORM	.000171 LB / TON	EPA
CHROMIUM MET	.000355 LB / TON	EPA
CHROMIUMVI S	.0000549 LB / TON	EPA

CO	3.4 LB / TON	STK
CO2	2140 LB / TON	EPA
COBALT	.0000018 LB / TON	EPA
COPPER	.000117 LB / TON	EPA
CROTONALDEHY	.00009 LB / TON	EPA
DIBENZAHAN	.0000000906451 LB / TON	EPA
DIBROMOET,12	.000495 LB / TON	EPA
DICHLORETH12	.000261 LB / TON	EPA
DINITROPH,24	.00000234 LB / TON	EPA
DIOCTYLPHT,N	.00000042 LB / TON	EPA
ETHYLBENZENE	.0000612 LB / TON	EPA
FORMALDEHYDE	.00756 LB / TON	EPA
HYDROGENCHLO	.00315 LB / TON	EPA
INDN(123CDPY	.0000073 LB / TON	EPA
LEAD CMP	.000764 LB / TON	EPA
MANGANESE	.00242 LB / TON	EPA
MERCURY ALL	.0000556 LB / TON	EPA
METH ETH KET	.00000021 LB / TON	EPA
METHANE	.209181 LB / TON	EPA
METHBROMID	.000149415 LB / TON	EPA
METHYL CHLOR	.000229103 LB / TON	EPA
METHYLENE CL	.00288869 LB / TON	EPA
MOLYBDENUM	.0000209181 LB / TON	EPA
NAPHTHALENE	.000666 LB / TON	EPA
NICKEL CMP	.000994 LB / TON	EPA
NITROPHENL,4	.00000108 LB / TON	EPA
NITROUSOXIDE	.129493 LB / TON	EPA
NOX	1.5 LB / TON	DNR
PCP	.00000001 LB / TON	EPA
PERC	.000378518 LB / TON	EPA
PERYLENE	.00000000517972 LB / TON	EPA
PHENOL	.00018 LB / TON	EPA
PHOSPHORUS	.000891 LB / TON	EPA
PM	1.16 LB / TON	STK
PM10	1.18 LB / TON	DNR
PROPIONALDEH	.000549 LB / TON	EPA
PRPLENE DICH	.000328713 LB / TON	EPA
ROG	.117 LB / TON	STK
SO2	.02 LB / TON	DNR
VANADIUM	.00000531 LB / TON	EPA

--EMISSIONS / YR--

POLLUTANT	NR438_THRESH	UNCNTRLD	CNTRLD	OZONE/DY
CO (c)	10000 LB	164,247.200 LB	164,247.200 LB	
NOX (c)	10000 LB	72,462.000 LB	72,462.000 LB	199.071 LB
PM (m)	10000 LB	8,377.970 LB	8,377.970 LB	
PM10 (m)	10000 LB	13,749.060 LB	13,749.060 LB	
ROG (c)	6000 LB	5,652.036 LB	5,652.036 LB	15.528 LB
SO2 (m)	10000 LB	3,246,420.000 LB	3,246,420.000 LB	
ACETALDEHYDE (r) (fs)	404 LB	13.670 LB	13.670 LB	

ACETONE (c)	100000 LB	33.477 LB	33.477 LB
ACETOPHENONE (c) (fs)	6000 LB	.113 LB	.113 LB
ACROLEIN (r) (fs)	75 LB	33.910 LB	33.910 LB
ANTIMONY (c) (fs)	118 LB	.109 LB	.109 LB
ARSENIC (r) (fs)	.21 LB	.450 LB	.450 LB
BARIUM (c) (s)	118 LB	22.173 LB	22.173 LB
BENZ(A)ANTHR (c) (s)	8.08 LB	.027 LB	.027 LB
BENZENE (r) (fs)	114 LB	108.690 LB	108.690 LB
BENZO(A)PHEN (c)	12 LB	.015 LB	.015 LB
BENZO(A)PYRE (r) (s)	.81 LB	1.060 LB	1.060 LB
BENZO(B)FLUO (c) (s)	1.22 LB	.048 LB	.048 LB
BENZO(JK)FLE (r)	12 LB	.650 LB	.650 LB
BENZO(K)FLUO (c) (s)	1.22 LB	.017 LB	.017 LB
BERYLLIUM (r) (fs)	.37 LB	.110 LB	.110 LB
CADMIUM (r) (fs)	.49 LB	.110 LB	.110 LB
CARBON TETRA (r) (fs)	59.2 LB	.390 LB	.390 LB
CFC-11 (c)	6000 LB	19.729 LB	19.729 LB
CHLORINE (c) (fs)	341 LB	380.145 LB	380.145 LB
CHLOROFORM (r) (fs)	38.6 LB	8.260 LB	8.260 LB
CHROMIUM MET (r) (fs)	118 LB	11.220 LB	11.220 LB
CHROMIUMVI I (r) (fs)	.07 LB	2.650 LB	2.650 LB
CHROMIUMVI S (c) (fs)	.07 LB	2.652 LB	2.652 LB
CO2 (c)	200000000 LB	103,379,120.000 LB	103,379,120.000 LB
COBALT (r) (fs)	4.71 LB	.090 LB	.090 LB
COPPER (c) (s)	235 LB	5.652 LB	5.652 LB
CROTONALDEHY (c) (s)	281 LB	4.348 LB	4.348 LB
DIBENZAHAN (c) (s)	.74 LB	.004 LB	.004 LB
DIBROMOET,12 (r) (fs)	4.04 LB	23.910 LB	23.910 LB
DICHLORETH12 (r) (fs)	34.2 LB	12.610 LB	12.610 LB
DINITROPH,24 (c) (f)	6000 LB	.113 LB	.113 LB
DIOCTYLPHT,N (c)	6000 LB	.020 LB	.020 LB
ETHYLBENZENE (c) (fs)	6000 LB	2.956 LB	2.956 LB
FORMALDEHYDE (r) (fs)	68.3 LB	365.210 LB	365.210 LB
HEXCLBENZENE (r) (fs)	.47 LB	.430 LB	.430 LB
HYDROGENCHLO (r) (fs)	1777 LB	135.780 LB	135.780 LB
INDN(123CDPY (c) (s)	8.08 LB	.353 LB	.353 LB
LEAD (m)	400 LB	.990 LB	.990 LB
LEAD CMP (c) (f)	400 LB	36.907 LB	36.907 LB
MANGANESE (r) (fs)	47.1 LB	1.320 LB	1.320 LB
MERCURY ALL (r) (fs)	5.88 LB	.490 LB	.490 LB
METH ETH KET (c)	6000 LB	.010 LB	.010 LB
METHANE (c)	10000000 LB	10,105.116 LB	10,105.116 LB
METHANOL (r) (f)	6000 LB	373.900 LB	373.900 LB
METHBROMID (c) (fs)	444 LB	7.218 LB	7.218 LB
METHYL CHLOR (c) (fs)	6000 LB	11.068 LB	11.068 LB
METHYLENE CL (c) (fs)	1890 LB	139.547 LB	139.547 LB
MOLYBDENUM (c) (s)	1176 LB	1.011 LB	1.011 LB
NAPHTHALENE (c) (fs)	6000 LB	32.173 LB	32.173 LB
NICKEL CMP (r) (fs)	3.42 LB	1.390 LB	1.390 LB

NITROPHENL,4 (c) (fs)	6000 LB	.052 LB	.052 LB
NITROUSOXIDE (c) (s)	6000 LB	6,255.548 LB	6,255.548 LB
PCP (c) (fs)	118 LB	.000 LB	.000 LB
PERC (r) (fs)	151 LB	22.610 LB	22.610 LB
PERYLENE (c)	10 LB	.000 LB	.000 LB
PHENOL (c) (fs)	4528 LB	8.695 LB	8.695 LB
PHOSPHORUS (r) (fs)	23.8 LB	43.040 LB	43.040 LB
PROPIONALDEH (c) (fs)	6000 LB	26.521 LB	26.521 LB
PRPLENE DICH (c) (fs)	355 LB	15.879 LB	15.879 LB
VANADIUM (r) (s)	11.8 LB	.260 LB	.260 LB

--INCOMING STREAMS--

TPUT --> B07-01

--OUTGOING STREAMS--

B07-01 ---(100%)---> C01-01

C01-01 ---(100%)---> C7911DSI-01

C7911DSI-01 ---(100%)---> C7911-01

C7911-01 ---(100%)---> S09-01 ---(100%)---> OUT

B07, Process 02	**Generic Throughput Process**			
PROCESS NAME:	PAPER BROKE			
SCC CODE:	10200903			
PROCESS COMMENTS:				
SCHEDULE:	1 Hrs/Day	2 Dys/Wk	337 Dys/Yr	
QTRLY SCHEDULE:	Q1: 25%	Q2: 25%	Q3: 25%	Q4: 25%
ANNUAL TPUT:	2963 TON	of Solid Waste - Wood and/or Bark		
AVG TPUT:	8.79228 TON/HR			
MAX TPUT:	11.03 TON/HR			

--EMISSION FACTORS--

POLLUTANT	VALUE / UNIT	ORIGIN
ACETALDEHYDE	.00826763 LB / TON	EPA
ACETONE	.00189259 LB / TON	EPA
ACETOPHENONE	.0000000318752 LB / TON	EPA
ACROLEIN	.039844 LB / TON	EPA
ANTIMONY	.0000786919 LB / TON	EPA
ARSENIC	0 LB / TON	EPA
BARIUM	.00169337 LB / TON	EPA
BENZ(A)ANTHR	.000000647465 LB / TON	EPA
BENZENE	.0418362 LB / TON	EPA
BENZO(A)PHEN	.000000378518 LB / TON	EPA
BENZO(A)PYRE	.0000258986 LB / TON	EPA
BENZO(B)FLUO	.0000009961 LB / TON	EPA

BENZO(JK)FLE	.00000159376 LB / TON	EPA
BENZO(K)FLUO	.000000358596 LB / TON	EPA
BERYLLIUM	.0000109571 LB / TON	EPA
CADMIUM	.0000408401 LB / TON	EPA
CARBON TETRA	.000448245 LB / TON	EPA
CFC-11	.000408401 LB / TON	EPA
CHLORINE	.00786919 LB / TON	EPA
CHLOROBENZ	.000328713 LB / TON	EPA
CHLOROFORM	.000278908 LB / TON	EPA
CHROMIUM MET	.000209181 LB / TON	EPA
CHROMIUMVI S	.0000348635 LB / TON	EPA
CO	3.4 LB / TON	STK
CO2	1942.395 LB / TON	EPA
COBALT	.0000647465 LB / TON	EPA
COPPER	.000488089 LB / TON	EPA
CROTONALDEHY	.0000986139 LB / TON	EPA
DIBENZAHAN	.0000000906451 LB / TON	EPA
DIBROMOET,12	.000547855 LB / TON	EPA
DICHLORETH12	.000288869 LB / TON	EPA
DINITROPH,24	.00000179298 LB / TON	EPA
DIOCTYLPHT,N	.000000468167 LB / TON	EPA
ETHYLBENZENE	.000308791 LB / TON	EPA
FORMALDEHYDE	.0438284 LB / TON	EPA
HYDROGENCHLO	.189259 LB / TON	EPA
INDN(123CDPY	.000000866607 LB / TON	EPA
LEAD CMP	.000478128 LB / TON	EPA
MANGANESE	.0159376 LB / TON	EPA
MERCURY ALL	.0000348635 LB / TON	EPA
METH ETH KET	.0000537894 LB / TON	EPA
METHANE	.209181 LB / TON	EPA
METHBROMID	.000149415 LB / TON	EPA
METHYL CHLOR	.000229103 LB / TON	EPA
METHYLENE CL	.00288869 LB / TON	EPA
MOLYBDENUM	.0000209181 LB / TON	EPA
NAPHTHALENE	.000966217 LB / TON	EPA
NICKEL CMP	.000328713 LB / TON	EPA
NITROPHENL,4	.00000109571 LB / TON	EPA
NITROUSOXIDE	.129493 LB / TON	EPA
NOX	1.5 LB / TON	DNR
PCP	.000000508011 LB / TON	EPA
PERC	.000378518 LB / TON	EPA
PERYLENE	.00000000517972 LB / TON	EPA
PHENOL	.000508011 LB / TON	EPA
PHOSPHORUS	.000268947 LB / TON	EPA
PM	1.164 LB / TON	STK
PM10	1.164 LB / TON	DNR
POM	.0028 LB / TON	EPA
PROPIONALDEH	.000607621 LB / TON	EPA
PRPLENE DICH	.000328713 LB / TON	EPA
ROG	.117 LB / TON	STK

SO2	.02 LB / TON	STK
VANADIUM	.00000976178 LB / TON	EPA

--EMISSIONS / YR--

POLLUTANT	NR438_THRESH	UNCNTRLD	CNTRLD	OZONE/DY
CO (c)	10000 LB	10,074.200 LB	10,074.200 LB	
NOX (c)	10000 LB	4,444.500 LB	4,444.500 LB	42.736 LB
PM (m)	10000 LB	1,087.730 LB	1,087.730 LB	
PM10 (m)	10000 LB	1,087.730 LB	1,087.730 LB	
ROG (r)	6000 LB	502.670 LB	502.670 LB	4.833 LB
SO2 (c)	10000 LB	59.260 LB	59.260 LB	
ACETALDEHYDE (c) (fs)	404 LB	24.497 LB	24.497 LB	
ACETONE (c)	100000 LB	5.608 LB	5.608 LB	
ACETOPHENONE (c) (fs)	6000 LB	.000 LB	.000 LB	
ACROLEIN (c) (fs)	75 LB	118.058 LB	118.058 LB	
ANTIMONY (c) (fs)	118 LB	.233 LB	.233 LB	
BARIUM (c) (s)	118 LB	5.017 LB	5.017 LB	
BENZ(A)ANTHR (c) (s)	8.08 LB	.002 LB	.002 LB	
BENZENE (c) (fs)	114 LB	123.961 LB	123.961 LB	
BENZO(A)PHEN (c)	12 LB	.001 LB	.001 LB	
BENZO(A)PYRE (c) (s)	.81 LB	.077 LB	.077 LB	
BENZO(B)FLUO (c) (s)	1.22 LB	.003 LB	.003 LB	
BENZO(JK)FLE (c)	12 LB	.005 LB	.005 LB	
BENZO(K)FLUO (c) (s)	1.22 LB	.001 LB	.001 LB	
BERYLLIUM (m) (fs)	.37 LB	.010 LB	.010 LB	
CADMIUM (m) (fs)	.49 LB	.010 LB	.010 LB	
CARBON TETRA (c) (fs)	59.2 LB	1.328 LB	1.328 LB	
CFC-11 (c)	6000 LB	1.210 LB	1.210 LB	
CHLORINE (c) (fs)	341 LB	23.316 LB	23.316 LB	
CHLOROBENZ (c) (fs)	6000 LB	.974 LB	.974 LB	
CHLOROFORM (c) (fs)	38.6 LB	.826 LB	.826 LB	
CHROMIUM MET (r) (fs)	118 LB	1.440 LB	1.440 LB	
CHROMIUMVI S (c) (fs)	.07 LB	.103 LB	.103 LB	
CO2 (r)	200000000 LB	12,672,760.000 LB	12,672,760.000 LB	
COBALT (c) (fs)	4.71 LB	.192 LB	.192 LB	
COPPER (c) (s)	235 LB	1.446 LB	1.446 LB	
CROTONALDEHY (c) (s)	281 LB	.292 LB	.292 LB	
DIBENZAHAN (c) (s)	.74 LB	.000 LB	.000 LB	
DIBROMOET,12 (c) (fs)	4.04 LB	1.623 LB	1.623 LB	
DICHLORETH12 (c) (fs)	34.2 LB	.856 LB	.856 LB	
DINITROPH,24 (c) (f)	6000 LB	.005 LB	.005 LB	
DIOCTYLPHT,N (c)	6000 LB	.001 LB	.001 LB	
ETHYLBENZENE (c) (fs)	6000 LB	.915 LB	.915 LB	
FORMALDEHYDE (c) (fs)	68.3 LB	129.864 LB	129.864 LB	
HYDROGENCHLO (c) (fs)	1777 LB	560.774 LB	560.774 LB	
INDN(123CDPY (c) (s)	8.08 LB	.003 LB	.003 LB	
LEAD (m)	400 LB	.130 LB	.130 LB	
LEAD CMP (c) (f)	400 LB	1.417 LB	1.417 LB	
MANGANESE (m) (fs)	47.1 LB	.170 LB	.170 LB	

MERCURY ALL (m) (fs)	5.88 LB	.060 LB	.060 LB
METH ETH KET (c)	6000 LB	.159 LB	.159 LB
METHANE (c)	10000000 LB	619.803 LB	619.803 LB
METHBROMID (c) (fs)	444 LB	.443 LB	.443 LB
METHYL CHLOR (c) (fs)	6000 LB	.679 LB	.679 LB
METHYLENE CL (c) (fs)	1890 LB	8.559 LB	8.559 LB
MOLYBDENUM (c) (s)	1176 LB	.062 LB	.062 LB
NAPHTHALENE (c) (fs)	6000 LB	2.863 LB	2.863 LB
NICKEL CMP (m) (fs)	3.42 LB	.180 LB	.180 LB
NITROPHENL,4 (c) (fs)	6000 LB	.003 LB	.003 LB
NITROUSOXIDE (c) (s)	6000 LB	383.688 LB	383.688 LB
PCP (c) (fs)	118 LB	.002 LB	.002 LB
PERC (c) (fs)	151 LB	1.122 LB	1.122 LB
PERYLENE (c)	10 LB	.000 LB	.000 LB
PHENOL (c) (fs)	4528 LB	1.505 LB	1.505 LB
PHOSPHORUS (c) (fs)	23.8 LB	.797 LB	.797 LB
POM (c) (f)	125 LB	8.296 LB	8.296 LB
PROPIONALDEH (c) (fs)	6000 LB	1.800 LB	1.800 LB
PRPLENE DICH (c) (fs)	355 LB	.974 LB	.974 LB
VANADIUM (c) (s)	11.8 LB	.029 LB	.029 LB

--INCOMING STREAMS--

TPUT --> B07-02

--OUTGOING STREAMS--

B07-02 ---(100%)---> C01-01

C01-01 ---(100%)---> C7911DSI-01

C7911DSI-01 ---(100%)---> C7911-01

C7911-01 ---(100%)---> S09-01 ---(100%)---> OUT

B07, Process 03	**Generic Throughput Process**			
PROCESS NAME:	E3 GAL #6 FUEL OIL BURNED			
SCC CODE:	10200401			
PROCESS COMMENTS:	RATED BURNER HEAT INPUT CAPACITY = 122.6 MILLION BTU/HR.			
SCHEDULE:	0 Hrs/Day	0 Dys/Wk	1 Dys/Yr	
QTRLY SCHEDULE:	Q1: 25%	Q2: 25%	Q3: 25%	Q4: 25%
ANNUAL TPUT:	0 E3 GAL	of Fuel Oil - Residual		
AVG TPUT:	0 GAL/HR			
MAX TPUT:	794 GAL/HR			

--EMISSION FACTORS--

POLLUTANT	VALUE / UNIT	ORIGIN
AMMONIA	.8 LB / E3 GAL	EPA

BENZENE	.0011 LB / E3 GAL	EPA
BENZO(A)PHEN	.0000189 LB / E3 GAL	EPA
BENZO(JK)FLE	.00002565 LB / E3 GAL	EPA
CO	5 LB / E3 GAL	EPA
CO2	25447 LB / E3 GAL	EPA
COPPER	.00124 LB / E3 GAL	EPA
FORMALDEHYDE	.061 LB / E3 GAL	EPA
METHANE	1 LB / E3 GAL	EPA
NAPHTHALENE	.058 LB / E3 GAL	EPA
NITROUSOXIDE	.11 LB / E3 GAL	EPA
NOX	47 LB / E3 GAL	DNR
PM	4 LB / E3 GAL	DNR
PM10	3.44 LB / E3 GAL	DNR
POM	.0013 LB / E3 GAL	EPA
ROG	.28 LB / E3 GAL	DNR
SO2	287 LB / E3 GAL	DNR

--INCOMING STREAMS--

TPUT --> B07-03

--OUTGOING STREAMS--

B07-03 ---(100%)---> C01-01

C01-01 ---(100%)---> C7911DSI-01

C7911DSI-01 ---(100%)---> C7911-01

C7911-01 ---(100%)---> S09-01 ---(100%)---> OUT

B07, Process 04	**Generic Throughput Process**			
PROCESS NAME:	NATURAL GAS			
SCC CODE:	10200601			
PROCESS COMMENTS:	NOX EF BY LOAD REDUCTION CURVE. RATED BURNER HEAT INPUT CAPACITY = 108.1 MILLION BTU/HR			
SCHEDULE:	24 Hrs/Day	7 Dys/Wk	339 Dys/Yr	
QTRLY SCHEDULE:	Q1: 25%	Q2: 25%	Q3: 25%	Q4: 25%
ANNUAL TPUT:	168.73 MMCF	of Natural Gas		
AVG TPUT:	20.73869 E3 FT3/H			
MAX TPUT:	122 E3 FT3/H			

--EMISSION FACTORS--

POLLUTANT	VALUE / UNIT	ORIGIN
AMMONIA	3.2 LB / MMCF	EPA
ARSENIC	.0002 LB / MMCF	EPA
BARIUM	.0044 LB / MMCF	EPA
BENZ(A)ANTHR	.0000018 LB / MMCF	EPA

BENZENE	.0021 LB / MMCF	EPA
BENZO(A)PHEN	.0000018 LB / MMCF	EPA
BENZO(A)PYRE	.0000012 LB / MMCF	EPA
BENZO(B)FLUO	.0000018 LB / MMCF	EPA
BENZO(JK)FLE	.000003 LB / MMCF	EPA
BENZO(K)FLUO	.0000018 LB / MMCF	EPA
BERYLLIUM	.000012 LB / MMCF	EPA
CADMIUM	.0011 LB / MMCF	EPA
CHROMIUM MET	.0014 LB / MMCF	EPA
CO	84 LB / MMCF	EPA
CO2	117823 LB / MMCF	EPA
COBALT	.000084 LB / MMCF	EPA
COPPER	.00085 LB / MMCF	EPA
DIBENZAHAN	.0000012 LB / MMCF	EPA
FORMALDEHYDE	.075 LB / MMCF	EPA
HEXANE	1.8 LB / MMCF	EPA
INDN(123CDPY	.0000018 LB / MMCF	EPA
LEAD CMP	.0005 LB / MMCF	EPA
MANGANESE	.00038 LB / MMCF	EPA
MERCURY ALL	.00026 LB / MMCF	EPA
METHANE	2.3 LB / MMCF	EPA
MOLYBDENUM	.0011 LB / MMCF	EPA
NAPHTHALENE	.00061 LB / MMCF	EPA
NICKEL CMP	.0021 LB / MMCF	EPA
NITROUSOXIDE	2.2 LB / MMCF	EPA
NOX	280 LB / MMCF	DNR
PM	7.6 LB / MMCF	EPA
PM10	1.9 LB / MMCF	DNR
POM	.000649 LB / MMCF	EPA
ROG	5.5 LB / MMCF	DNR
SO2	.6 LB / MMCF	EPA
VANADIUM	.0023 LB / MMCF	EPA

--EMISSIONS / YR--

POLLUTANT	NR438_THRESH	UNCNTRLD	CNTRLD	OZONE/DY
CO (c)	10000 LB	14,173.320 LB	14,173.320 LB	
NOX (c)	10000 LB	47,244.400 LB	47,244.400 LB	129.792 LB
PM (c)	10000 LB	1,282.348 LB	1,282.348 LB	
PM10 (c)	10000 LB	320.587 LB	320.587 LB	
ROG (c)	6000 LB	928.015 LB	928.015 LB	2.549 LB
SO2 (c)	10000 LB	101.238 LB	101.238 LB	
AMMONIA (r) (s)	4097 LB	539.940 LB	539.940 LB	
ARSENIC (r) (fs)	.21 LB	.030 LB	.030 LB	
BARIUM (c) (s)	118 LB	.742 LB	.742 LB	
BENZ(A)ANTHR (c) (s)	8.08 LB	.000 LB	.000 LB	
BENZENE (r) (fs)	114 LB	.350 LB	.350 LB	
BENZO(A)PHEN (c)	12 LB	.000 LB	.000 LB	
BENZO(A)PYRE (c) (s)	.81 LB	.000 LB	.000 LB	
BENZO(B)FLUO (c) (s)	1.22 LB	.000 LB	.000 LB	
BENZO(JK)FLE (c)	12 LB	.001 LB	.001 LB	

BENZO(K)FLUO (c) (s)	1.22 LB	.000 LB	.000 LB
BERYLLIUM (c) (fs)	.37 LB	.002 LB	.002 LB
CADMIUM (r) (fs)	.49 LB	.190 LB	.190 LB
CHROMIUM MET (r) (fs)	118 LB	.240 LB	.240 LB
CO2 (r)	200000000 LB	18,129,860.000 LB	18,129,860.000 LB
COBALT (c) (fs)	4.71 LB	.014 LB	.014 LB
COPPER (c) (s)	235 LB	.143 LB	.143 LB
DIBENZAHAN (c) (s)	.74 LB	.000 LB	.000 LB
FORMALDEHYDE (r) (fs)	68.3 LB	12.650 LB	12.650 LB
HEXANE (c) (fs)	6000 LB	303.714 LB	303.714 LB
INDN(123CDPY (c) (s)	8.08 LB	.000 LB	.000 LB
LEAD CMP (c) (f)	400 LB	.084 LB	.084 LB
MANGANESE (c) (fs)	47.1 LB	.064 LB	.064 LB
MERCURY ALL (c) (fs)	5.88 LB	.044 LB	.044 LB
METHANE (c)	10000000 LB	388.079 LB	388.079 LB
MOLYBDENUM (c) (s)	1176 LB	.186 LB	.186 LB
NAPHTHALENE (c) (fs)	6000 LB	.103 LB	.103 LB
NICKEL CMP (r) (fs)	3.42 LB	.350 LB	.350 LB
NITROUSOXIDE (c) (s)	6000 LB	371.206 LB	371.206 LB
POM (c) (f)	125 LB	.110 LB	.110 LB
VANADIUM (r) (s)	11.8 LB	.390 LB	.390 LB

--INCOMING STREAMS--

TPUT --> B07-04

--OUTGOING STREAMS--

B07-04 ---(100%)---> C01-01

C01-01 ---(100%)---> C7911DSI-01

C7911DSI-01 ---(100%)---> C7911-01

C7911-01 ---(100%)---> S09-01 ---(100%)---> OUT

B07, Process 05	**Generic Throughput Process**			
PROCESS NAME:	RESIDUAL FIBERS			
SCC CODE:	10201201			
PROCESS COMMENTS:	Residual Fibers recovered from Effluent Treatment Plant and used as fuel in Boiler 7.			
SCHEDULE:	0 Hrs/Day	0 Dys/Wk	0 Dys/Yr	
QTRLY SCHEDULE:	Q1: 25%	Q2: 25%	Q3: 25%	Q4: 25%
ANNUAL TPUT:	0 TON	of Solid Waste - not elsewhere classified		
AVG TPUT:	0 TON/HR			
MAX TPUT:	6.5 TON/HR			

--EMISSION FACTORS--

POLLUTANT	VALUE / UNIT	ORIGIN
CO	4.26 LB / TON	STK
NOX	.77 LB / TON	STK
PM	12.73 LB / TON	STK
PM10	12.73 LB / TON	STK
ROG	2 LB / TON	EPA
SO2	6 LB / TON	STK

--INCOMING STREAMS--

TPUT --> B07-05

--OUTGOING STREAMS--

B07-05 ---(100%)---> C01-01

C01-01 ---(100%)---> C7911DSI-01

C7911DSI-01 ---(100%)---> C7911-01

C7911-01 ---(100%)---> S09-01 ---(100%)---> OUT

B08 **Boiler/Furnace** **Boiler**

DEVICE DESC: THE NO. 8 KRAFT RECOVERY BOILER IS A NON-DIRECT CONTACT, LOW ODOR, STEAM GENERATING UNIT USED TO RECOVER KRAFT COOKING CHEMICALS, CAPABLE OF COMBUSTING BLACK LIQUOR, NATURAL GAS, AND FUEL OIL, EQUIPPED WITH AN ESP SYSTEM SHARED IN PARALLEL CONFIGURATION WITH THE NO.10 RECOVERY BOILER (B10). EI: KRAFT RECOVERY BOILER NO. 8

CONSTR DATE: 01/01/1953

DEVICE COMMENTS:

MAX RATED CAPACITY: 205.6 MMBTU/HR

B08, Process 01 **Generic Throughput Process**

PROCESS NAME: NATURAL GAS

SCC CODE: 10200601

PROCESS COMMENTS:

SCHEDULE: 24 Hrs/Day 7 Dys/Wk 233 Dys/Yr

QTRLY SCHEDULE: Q1: 25% Q2: 25% Q3: 25% Q4: 25%

ANNUAL TPUT: 40.83 MMCF of Natural Gas

AVG TPUT: 7.3015 E3 FT3/H

MAX TPUT: 20 E3 FT3/H

--EMISSION FACTORS--

POLLUTANT	VALUE / UNIT	ORIGIN
AMMONIA	3.2 LB / MMCF	EPA

ARSENIC	.0002 LB / MMCF	EPA	
BARIUM	.0044 LB / MMCF	EPA	
BENZ(A)ANTHR	.0000018 LB / MMCF	EPA	
BENZENE	.0021 LB / MMCF	EPA	
BENZO(A)PHEN	.0000018 LB / MMCF	EPA	
BENZO(A)PYRE	.0000012 LB / MMCF	EPA	
BENZO(B)FLUO	.0000018 LB / MMCF	EPA	
BENZO(JK)FLE	.000003 LB / MMCF	EPA	
BENZO(K)FLUO	.0000018 LB / MMCF	EPA	
BERYLLIUM	.000012 LB / MMCF	EPA	
CADMIUM	.0011 LB / MMCF	EPA	
CHROMIUM MET	.0014 LB / MMCF	EPA	
CO	84 LB / MMCF	EPA	
CO2	117823 LB / MMCF	EPA	
COBALT	.000084 LB / MMCF	EPA	
COPPER	.00085 LB / MMCF	EPA	
DIBENZAHAN	.0000012 LB / MMCF	EPA	
FORMALDEHYDE	.075 LB / MMCF	EPA	
HEXANE	1.8 LB / MMCF	EPA	
INDN(123CDPY	.0000018 LB / MMCF	EPA	
LEAD CMP	.0005 LB / MMCF	EPA	
MANGANESE	.00038 LB / MMCF	EPA	
MERCURY ALL	.00026 LB / MMCF	EPA	
METHANE	2.3 LB / MMCF	EPA	
MOLYBDENUM	.0011 LB / MMCF	EPA	
NAPHTHALENE	.00061 LB / MMCF	EPA	
NICKEL CMP	.0021 LB / MMCF	EPA	
NITROUSOXIDE	2.2 LB / MMCF	EPA	
NOX	280 LB / MMCF	DNR	
PM	7.6 LB / MMCF	EPA	
PM10	1.9 LB / MMCF	DNR	
POM	.000649 LB / MMCF	EPA	
ROG	5.5 LB / MMCF	DNR	
SO2	.6 LB / MMCF	EPA	.0008 %Sulfur used
VANADIUM	.0023 LB / MMCF	EPA	

--EMISSIONS / YR--

POLLUTANT	NR438_THRESH	UNCNTRLD	CNTRLD	OZONE/DY
CO (c)	10000 LB	3,429.720 LB	3,429.720 LB	
NOX (m)	10000 LB	11,440.000 LB	11,440.000 LB	31.429 LB
PM (c)	10000 LB	310.308 LB	310.308 LB	
PM10 (c)	10000 LB	77.577 LB	77.577 LB	
ROG (r)	6000 LB	224.570 LB	224.570 LB	.617 LB
SO2 (c)	10000 LB	.020 LB	.020 LB	
AMMONIA (r) (s)	4097 LB	130.660 LB	130.660 LB	
ARSENIC (c) (fs)	.21 LB	.008 LB	.008 LB	
BARIUM (c) (s)	118 LB	.180 LB	.180 LB	
BENZ(A)ANTHR (c) (s)	8.08 LB	.000 LB	.000 LB	
BENZENE (r) (fs)	114 LB	.090 LB	.090 LB	
BENZO(A)PHEN (c)	12 LB	.000 LB	.000 LB	

BENZO(A)PYRE (c) (s)	.81 LB	.000 LB	.000 LB
BENZO(B)FLUO (c) (s)	1.22 LB	.000 LB	.000 LB
BENZO(JK)FLE (c)	12 LB	.000 LB	.000 LB
BENZO(K)FLUO (c) (s)	1.22 LB	.000 LB	.000 LB
BERYLLIUM (c) (fs)	.37 LB	.000 LB	.001 LB
CADMIUM (c) (fs)	.49 LB	.045 LB	.045 LB
CHROMIUM MET (c) (fs)	118 LB	.057 LB	.057 LB
CO2 (r)	200000000 LB	4,387,140.000 LB	4,387,140.000 LB
COBALT (c) (fs)	4.71 LB	.003 LB	.003 LB
COPPER (c) (s)	235 LB	.035 LB	.035 LB
DIBENZAHAN (c) (s)	.74 LB	.000 LB	.000 LB
FORMALDEHYDE (r) (fs)	68.3 LB	3.060 LB	3.060 LB
HEXANE (c) (fs)	6000 LB	73.494 LB	73.494 LB
INDN(123CDPY (c) (s)	8.08 LB	.000 LB	.000 LB
LEAD CMP (c) (f)	400 LB	.020 LB	.020 LB
MANGANESE (c) (fs)	47.1 LB	.016 LB	.016 LB
MERCURY ALL (c) (fs)	5.88 LB	.011 LB	.011 LB
METHANE (c)	10000000 LB	93.909 LB	93.909 LB
MOLYBDENUM (c) (s)	1176 LB	.045 LB	.045 LB
NAPHTHALENE (c) (fs)	6000 LB	.025 LB	.025 LB
NICKEL CMP (r) (fs)	3.42 LB	.090 LB	.090 LB
NITROUSOXIDE (c) (s)	6000 LB	89.826 LB	89.826 LB
POM (c) (f)	125 LB	.027 LB	.027 LB
VANADIUM (c) (s)	11.8 LB	.094 LB	.094 LB

--INCOMING STREAMS--

TPUT --> B08-01

--OUTGOING STREAMS--

B08-01 ---(50%)---> C03-01

C03-01 ---(100%)---> S08-01 ---(100%)---> OUT

B08-01 ---(50%)---> C04-01

C04-01 ---(100%)---> S10-01 ---(100%)---> OUT

B08, Process 02	**Generic Throughput Process**			
PROCESS NAME:	NO. 6 OIL			
SCC CODE:	10200401			
PROCESS COMMENTS:	RATED BURNER HEAT INPUT CAPACITY = 225 MILLION BTU/HR			
SCHEDULE:	24 Hrs/Day	7 Dys/Wk	150 Dys/Yr	
QTRLY SCHEDULE:	Q1: 42%	Q2: 23%	Q3: 12%	Q4: 23%
ANNUAL TPUT:	4320 GAL	of Fuel Oil - Residual		
AVG TPUT:	1.2 GAL/HR			
MAX TPUT:	8.375 GAL/HR			

--EMISSION FACTORS--

POLLUTANT	VALUE / UNIT	ORIGIN	
AMMONIA	.8 LB / E3 GAL	EPA	
BENZENE	.0011 LB / E3 GAL	EPA	
BENZO(A)PHEN	.0000189 LB / E3 GAL	EPA	
BENZO(JK)FLE	.00002565 LB / E3 GAL	EPA	
CO	5 LB / E3 GAL	EPA	
CO2	25447 LB / E3 GAL	EPA	
COPPER	.00124 LB / E3 GAL	EPA	
FORMALDEHYDE	.061 LB / E3 GAL	EPA	
METHANE	1 LB / E3 GAL	EPA	
NAPHTHALENE	.058 LB / E3 GAL	EPA	
NITROUSOXIDE	.11 LB / E3 GAL	EPA	
NOX	47 LB / E3 GAL	DNR	
PM	4 LB / E3 GAL	DNR	
PM10	3.44 LB / E3 GAL	DNR	
POM	.0013 LB / E3 GAL	EPA	
ROG	.28 LB / E3 GAL	DNR	
SO2	229 LB / E3 GAL	DNR	.0008 %Sulfur used

--EMISSIONS / YR--

POLLUTANT	NR438_THRESH	UNCNTRLD	CNTRLD	OZONE/DY
CO (c)	10000 LB	21.600 LB	21.600 LB	
NOX (c)	10000 LB	203.040 LB	203.040 LB	.268 LB
PM (m)	10000 LB	37.330 LB	37.330 LB	
PM10 (m)	10000 LB	37.330 LB	37.330 LB	
ROG (r)	6000 LB	1.210 LB	1.210 LB	.002 LB
SO2 (c)	10000 LB	.791 LB	.791 LB	
AMMONIA (r) (s)	4097 LB	3.460 LB	3.460 LB	
BENZO(A)PHEN (c)	12 LB	.000 LB	.000 LB	
BENZO(JK)FLE (c)	12 LB	.000 LB	.000 LB	
CADMIUM (r) (fs)	.49 LB	.070 LB	.070 LB	
CO2 (r)	200000000 LB	90,760.000 LB	90,760.000 LB	
COPPER (c) (s)	235 LB	.005 LB	.005 LB	
FORMALDEHYDE (r) (fs)	68.3 LB	.180 LB	.180 LB	
METHANE (c)	10000000 LB	4.320 LB	4.320 LB	
NAPHTHALENE (c) (fs)	6000 LB	.251 LB	.251 LB	
NICKEL CMP (r) (fs)	3.42 LB	.010 LB	.010 LB	
NITROUSOXIDE (c) (s)	6000 LB	.475 LB	.475 LB	
POM (c) (f)	125 LB	.006 LB	.006 LB	
VANADIUM (r) (s)	11.8 LB	.140 LB	.140 LB	

--INCOMING STREAMS--

TPUT --> B08-02

--OUTGOING STREAMS--

B08-02 ---(50%)---> C03-01

C03-01 ---(100%)---> S08-01 ---(100%)---> OUT

B08-02 ---(50%)---> C04-01

C04-01 ---(100%)---> S10-01 ---(100%)---> OUT

B08, Process 04	**Generic Throughput Process**			
PROCESS NAME:	Ultra Low S Diesel Fuel			
SCC CODE:	10200501			
PROCESS COMMENTS:				
SCHEDULE:	0 Hrs/Day	0 Dys/Wk	0 Dys/Yr	
QTRLY SCHEDULE:	Q1: 25%	Q2: 25%	Q3: 25%	Q4: 25%
ANNUAL TPUT:	0 GAL	of Fuel Oil - Distillate (aka Diesel)		
AVG TPUT:	0 GAL/HR			
MAX TPUT:	8.375 GAL/HR			

--EMISSION FACTORS--

POLLUTANT	VALUE / UNIT	ORIGIN	
AMMONIA	.8 LB / E3 GAL	EPA	
ARSENIC	.00046 LB / E3 GAL	EPA	
BERYLLIUM	.000345 LB / E3 GAL	EPA	
CADMIUM	.000345 LB / E3 GAL	EPA	
CHROMIUM MET	.000345 LB / E3 GAL	EPA	
CO	5 LB / E3 GAL	EPA	
COPPER	.00069 LB / E3 GAL	EPA	
FORMALDEHYDE	.048 LB / E3 GAL	EPA	
LEAD CMP	.001035 LB / E3 GAL	EPA	
MANGANESE	.00069 LB / E3 GAL	EPA	
MERCURY ALL	.000345 LB / E3 GAL	EPA	
METHANE	.052 LB / E3 GAL	EPA	
NICKEL CMP	.000345 LB / E3 GAL	EPA	
NITROUSOXIDE	.11 LB / E3 GAL	EPA	
NOX	24 LB / E3 GAL	EPA	
PM	3.3 LB / E3 GAL	EPA	
PM10	2.3 LB / E3 GAL	EPA	
POM	.0033 LB / E3 GAL	EPA	
ROG	.252 LB / E3 GAL	EPA	
SO2	1.42E2*S LB / E3 GAL	EPA	.0008 %Sulfur used

--INCOMING STREAMS--

TPUT --> B08-04

--OUTGOING STREAMS--

B08-04 ---(50%)---> C03-01

C03-01 ---(100%)---> S08-01 ---(100%)---> OUT

B08-04 ---(50%)---> C04-01

C04-01 ---(100%)---> S10-01 ---(100%)---> OUT

B08A **Miscellaneous** **Paper Handling System**

DEVICE DESC:
CONSTR DATE:
DEVICE COMMENTS:

B08A, Process 01 **Generic Throughput Process**

PROCESS NAME: BLACK LIQUOR SOLIDS
SCC CODE: 30700110
PROCESS COMMENTS:
SCHEDULE: 24 Hrs/Day 7 Dys/Wk 334 Dys/Yr
QTRLY SCHEDULE: Q1: 25% Q2: 25% Q3: 25% Q4: 25%
ANNUAL TPUT: 110630 TON of PRODUCT - PAPER
AVG TPUT: 13.80115 TON/HR
MAX TPUT: 16 TON/HR

--EMISSION FACTORS--

POLLUTANT	VALUE / UNIT	ORIGIN
CO	7.68 LB / TON	DNR
CO2	2501 LB / TON	EPA
NOX	1.19 LB / TON	DNR
PM	.28 LB / TON	STK
PM10	.45 LB / TON	DNR
ROG	.66 LB / TON	DNR
SO2	2.89 LB / TON	STK

--EMISSIONS / YR--

POLLUTANT	NR438_THRESH	UNCNTRLD	CNTRLD	OZONE/DY
CO (c)	10000 LB	849,638.400 LB	849,638.400 LB	
NOX (c)	10000 LB	131,649.700 LB	131,649.700 LB	361.675 LB
PM (m)	10000 LB	61,930.790 LB	61,930.790 LB	
PM10 (m)	10000 LB	61,930.790 LB	61,930.790 LB	
ROG (c)	6000 LB	73,015.800 LB	73,015.800 LB	200.593 LB
SO2 (m)	10000 LB	3,002,500.000 LB	3,002,500.000 LB	
ACETALDEHYDE (r) (fs)	404 LB	674.840 LB	674.840 LB	
ACROLEIN (r) (fs)	75 LB	14.380 LB	14.380 LB	
BENZENE (r) (fs)	114 LB	300.910 LB	300.910 LB	
BENZO(A)PYRE (r) (s)	.81 LB	.010 LB	.010 LB	
BENZO(K)FLUO (r) (s)	1.22 LB	1.040 LB	1.040 LB	
CADMIUM (r) (fs)	.49 LB	.790 LB	.790 LB	
CARBON TETRA (r) (fs)	59.2 LB	30.420 LB	30.420 LB	
CHLOROFORM (r) (fs)	38.6 LB	2.660 LB	2.660 LB	
CHROMIUM MET (r) (fs)	118 LB	2.100 LB	2.100 LB	
CHROMIUMVI I (r) (fs)	.07 LB	1.550 LB	1.550 LB	

CO2 (r)	200000000 LB	330,231,140.000 LB	330,231,140.000 LB
COBALT (r) (fs)	4.71 LB	.180 LB	.180 LB
DICHLORETH12 (r) (fs)	34.2 LB	33.190 LB	33.190 LB
FORMALDEHYDE (r) (fs)	68.3 LB	56.750 LB	56.750 LB
H2SO4 (r) (s)	235 LB	2,212.600 LB	2,212.600 LB
HYDROGEN SUL (r) (s)	3279 LB	4,779.220 LB	4,779.220 LB
HYDROGENCHLO (r) (fs)	1777 LB	6,159.290 LB	6,159.290 LB
MANGANESE (r) (fs)	47.1 LB	5.750 LB	5.750 LB
METHANOL (r) (f)	6000 LB	4,867.730 LB	4,867.730 LB
NICKEL CMP (r) (fs)	3.42 LB	3.650 LB	3.650 LB
SULFUR (TRS) (r)	10000 LB	5,531.510 LB	5,531.510 LB

--INCOMING STREAMS--

TPUT --> B08A-01

--OUTGOING STREAMS--

B08A-01 ---(50%)---> C03-01

C03-01 ---(100%)---> S08-01 ---(100%)---> OUT

B08A-01 ---(50%)---> C04-01

C04-01 ---(100%)---> S10-01 ---(100%)---> OUT

B09 **Boiler/Furnace** **Boiler**

DEVICE DESC: THE NO. 9 BOILER IS A SINGLE CYCLONE, STEAM GENERATING UNIT CAPABLE OF COMBUSTING MULTIPLE FUELS, EQUIPPED WITH A MUTLICYCLONE AND ELECTROSTATIC PRECIPITATOR (ESP) IN SERIES. ESP AND EXHAUST STACK IS COMMON WITH NO. 11 BOILER (B11). EI: SINGLE CYCLONE BOILER NO. 9 - INDUSTRIAL

CONSTR DATE: 01/01/1957

DEVICE COMMENTS: EI: ELECTROSTATIC PRECIPITATOR IS SHARED WITH B11

MAX RATED CAPACITY: 192.4 MMBTU/HR

B09, Process 01 **Generic Throughput Process**

PROCESS NAME: BITUMINOUS COAL

SCC CODE: 10200203

PROCESS COMMENTS: Emissions go to C06, 100%

SCHEDULE: 24 Hrs/Day 7 Dys/Wk 361 Dys/Yr

QTRLY SCHEDULE: Q1: 25% Q2: 25% Q3: 25% Q4: 25%

ANNUAL TPUT: 36832 TON of Coal - Bituminous

AVG TPUT: 4.25115 TON/HR

MAX TPUT: 7.8 TON/HR

--EMISSION FACTORS--

POLLUTANT	VALUE / UNIT	ORIGIN
AMMONIA	.000565 LB / TON	EPA
ARSENIC	.0021 LB / TON	EPA
BERYLLIUM	.0015 LB / TON	EPA
CADMIUM	.0005 LB / TON	EPA
CHROMIUM MET	.0275 LB / TON	EPA
CO	1.144 LB / TON	STK
CO2	4945.9 LB / TON	EPA
FORMALDEHYDE	.019 LB / TON	STK
HF	.08 LB / TON	STK
HYDROGENCHLO	4.117 LB / TON	STK
LEAD CMP	.00206 LB / TON	OTHR
MANGANESE	.0238 LB / TON	EPA
MERCURY ALL	.0000761 LB / TON	STK
METHANE	.01 LB / TON	EPA
NICKEL CMP	.0236 LB / TON	EPA
NITROUSOXIDE	.09 LB / TON	EPA
NOX	19.624 LB / TON	STK
PM	1.44 LB / TON	STK
PM10	1.01 LB / TON	EPA
ROG	.062 LB / TON	STK
SO2	101.7 LB / TON	OTHR

--EMISSIONS / YR--

POLLUTANT	NR438_THRESH	UNCNTRLD	CNTRLD	OZONE/DY
CO (c)	10000 LB	42,135.808 LB	42,135.808 LB	
NOX (c)	10000 LB	722,791.168 LB	722,791.168 LB	1,985.690 LB
PM (m)	10000 LB	15,341.500 LB	15,341.500 LB	
PM10 (m)	10000 LB	15,341.500 LB	15,341.500 LB	
ROG (c)	6000 LB	2,283.584 LB	2,283.584 LB	6.274 LB
SO2 (m)	10000 LB	6,226,549,920.000 LB	6,226,549,920.000 LB	
ACETALDEHYDE (r) (fs)	404 LB	20.990 LB	20.990 LB	
ACROLEIN (r) (fs)	75 LB	10.680 LB	10.680 LB	
AMMONIA (r) (s)	4097 LB	20.630 LB	20.630 LB	
ARSENIC (r) (fs)	.21 LB	.830 LB	.830 LB	
BENZENE (r) (fs)	114 LB	47.880 LB	47.880 LB	
BERYLLIUM (r) (fs)	.37 LB	.210 LB	.210 LB	
CADMIUM (r) (fs)	.49 LB	.210 LB	.210 LB	
CHLOROFORM (r) (fs)	38.6 LB	2.170 LB	2.170 LB	
CHROMIUM MET (r) (fs)	118 LB	20.420 LB	20.420 LB	
CHROMIUMVI I (r) (fs)	.07 LB	2.910 LB	2.910 LB	
CO2 (r)	200000000 LB	177,495,340.000 LB	177,495,340.000 LB	
COBALT (r) (fs)	4.71 LB	15.100 LB	15.100 LB	
DICHLORETH12 (r) (fs)	34.2 LB	1.470 LB	1.470 LB	
DIMETH SULFA (r) (fs)	1.22 LB	1.770 LB	1.770 LB	
FORMALDEHYDE (r) (fs)	68.3 LB	699.820 LB	699.820 LB	
H2SO4 (r) (s)	235 LB	42,191.510 LB	42,191.510 LB	

HF (r) (fs)	803 LB	2,946.590 LB	2,946.590 LB
HYDROGENCHLO (r) (fs)	1777 LB	12,974.480 LB	12,974.480 LB
LEAD (m)	400 LB	1.830 LB	1.830 LB
LEAD CMP (c) (f)	400 LB	75.874 LB	75.874 LB
MANGANESE (r) (fs)	47.1 LB	2.430 LB	2.430 LB
MERCURY ALL (r) (fs)	5.88 LB	.900 LB	.900 LB
METH HYDRAZI (r) (fs)	4.43 LB	6.260 LB	6.260 LB
METHANE (c)	10000000 LB	368.320 LB	368.320 LB
NICKEL CMP (r) (fs)	3.42 LB	2.550 LB	2.550 LB
NITROUSOXIDE (c) (s)	6000 LB	3,314.880 LB	3,314.880 LB
VANADIUM (r) (s)	11.8 LB	21.360 LB	21.360 LB

--INCOMING STREAMS--

TPUT --> B09-01

--OUTGOING STREAMS--

B09-01 ---(100%)---> C06-01

C06-01 ---(100%)---> C7911DSI-01

C7911DSI-01 ---(100%)---> C7911-01

C7911-01 ---(100%)---> S09-01 ---(100%)---> OUT

B09, Process 02	**Generic Throughput Process**			
PROCESS NAME:	NATURAL GAS			
SCC CODE:	10200601			
PROCESS COMMENTS:				
SCHEDULE:	24 Hrs/Day	7 Dys/Wk	307 Dys/Yr	
QTRLY SCHEDULE:	Q1: 25%	Q2: 25%	Q3: 25%	Q4: 25%
ANNUAL TPUT:	89.35 MMCF	of Natural Gas		
AVG TPUT:	12.12676 E3 FT3/H			
MAX TPUT:	73.4 E3 FT3/H			

--EMISSION FACTORS--

POLLUTANT	VALUE / UNIT	ORIGIN
AMMONIA	3.2 LB / MMCF	EPA
ARSENIC	.0002 LB / MMCF	EPA
BARIUM	.0044 LB / MMCF	EPA
BENZ(A)ANTHR	.0000018 LB / MMCF	EPA
BENZENE	.0021 LB / MMCF	EPA
BENZO(A)PHEN	.0000018 LB / MMCF	EPA
BENZO(A)PYRE	.0000012 LB / MMCF	EPA
BENZO(B)FLUO	.0000018 LB / MMCF	EPA
BENZO(JK)FLE	.000003 LB / MMCF	EPA
BENZO(K)FLUO	.0000018 LB / MMCF	EPA
BERYLLIUM	.000012 LB / MMCF	EPA

CADMIUM	.0011 LB / MMCF	EPA
CHROMIUM MET	.0014 LB / MMCF	EPA
CO	84 LB / MMCF	EPA
CO2	0 LB / MMCF	EPA
COBALT	.000084 LB / MMCF	EPA
COPPER	.00085 LB / MMCF	EPA
DIBENZAHAN	.0000012 LB / MMCF	EPA
FORMALDEHYDE	.075 LB / MMCF	EPA
HEXANE	1.8 LB / MMCF	EPA
INDN(123CDPY	.0000018 LB / MMCF	EPA
LEAD CMP	.0005 LB / MMCF	EPA
MANGANESE	.00038 LB / MMCF	EPA
MERCURY ALL	.00026 LB / MMCF	EPA
METHANE	2.3 LB / MMCF	EPA
MOLYBDENUM	.0011 LB / MMCF	EPA
NAPHTHALENE	.00061 LB / MMCF	EPA
NICKEL CMP	.0021 LB / MMCF	EPA
NITROUSOXIDE	2.2 LB / MMCF	EPA
NOX	280 LB / MMCF	DNR
PM	7.6 LB / MMCF	EPA
PM10	1.9 LB / MMCF	DNR
POM	.000649 LB / MMCF	EPA
ROG	5.5 LB / MMCF	DNR
SO2	0 LB / MMCF	DNR
VANADIUM	.0023 LB / MMCF	EPA

--EMISSIONS / YR--

POLLUTANT	NR438_THRESH	UNCNTRLD	CNTRLD	OZONE/DY
CO (c)	10000 LB	7,505.400 LB	7,505.400 LB	
NOX (c)	10000 LB	25,018.000 LB	25,018.000 LB	68.731 LB
PM (c)	10000 LB	679.060 LB	679.060 LB	
PM10 (c)	10000 LB	169.765 LB	169.765 LB	
ROG (c)	6000 LB	491.425 LB	491.425 LB	1.350 LB
AMMONIA (r) (s)	4097 LB	285.920 LB	285.920 LB	
ARSENIC (c) (fs)	.21 LB	.018 LB	.018 LB	
BARIUM (c) (s)	118 LB	.393 LB	.393 LB	
BENZ(A)ANTHR (c) (s)	8.08 LB	.000 LB	.000 LB	
BENZENE (r) (fs)	114 LB	.190 LB	.190 LB	
BENZO(A)PHEN (c)	12 LB	.000 LB	.000 LB	
BENZO(A)PYRE (c) (s)	.81 LB	.000 LB	.000 LB	
BENZO(B)FLUO (c) (s)	1.22 LB	.000 LB	.000 LB	
BENZO(JK)FLE (c)	12 LB	.000 LB	.000 LB	
BENZO(K)FLUO (c) (s)	1.22 LB	.000 LB	.000 LB	
BERYLLIUM (c) (fs)	.37 LB	.001 LB	.001 LB	
CADMIUM (r) (fs)	.49 LB	.100 LB	.100 LB	
CHROMIUM MET (r) (fs)	118 LB	.130 LB	.130 LB	
CO2 (r)	200000000 LB	9,600,560.000 LB	9,600,560.000 LB	
COBALT (c) (fs)	4.71 LB	.008 LB	.008 LB	
COPPER (c) (s)	235 LB	.076 LB	.076 LB	
DIBENZAHAN (c) (s)	.74 LB	.000 LB	.000 LB	

FORMALDEHYDE (r) (fs)	68.3 LB	6.700 LB	6.700 LB
HEXANE (c) (fs)	6000 LB	160.830 LB	160.830 LB
INDN(123CDPY (c) (s)	8.08 LB	.000 LB	.000 LB
LEAD CMP (c) (f)	400 LB	.045 LB	.045 LB
MANGANESE (c) (fs)	47.1 LB	.034 LB	.034 LB
MERCURY ALL (c) (fs)	5.88 LB	.023 LB	.023 LB
METHANE (c)	10000000 LB	205.505 LB	205.505 LB
MOLYBDENUM (c) (s)	1176 LB	.098 LB	.098 LB
NAPHTHALENE (c) (fs)	6000 LB	.055 LB	.055 LB
NICKEL CMP (r) (fs)	3.42 LB	.190 LB	.190 LB
NITROUSOXIDE (c) (s)	6000 LB	196.570 LB	196.570 LB
POM (c) (f)	125 LB	.058 LB	.058 LB
VANADIUM (r) (s)	11.8 LB	.210 LB	.210 LB

--INCOMING STREAMS--

TPUT --> B09-02

--OUTGOING STREAMS--

B09-02 ---(100%)---> C06-01

C06-01 ---(100%)---> C7911DSI-01

C7911DSI-01 ---(100%)---> C7911-01

C7911-01 ---(100%)---> S09-01 ---(100%)---> OUT

B09, Process 03	**Generic Throughput Process**			
PROCESS NAME:	PETROLEUM COKE			
SCC CODE:	10200802			
PROCESS COMMENTS:	LIMITED TO 25% BY WT IN PERMIT			
SCHEDULE:	24 Hrs/Day	7 Dys/Wk	0 Dys/Yr	
QTRLY SCHEDULE:	Q1: 33%	Q2: 0%	Q3: 17%	Q4: 50%
ANNUAL TPUT:	0 TON	of Coke		
AVG TPUT:	0 TON/HR			
MAX TPUT:	6.62 TON/HR			

--EMISSION FACTORS--

POLLUTANT	VALUE / UNIT	ORIGIN
CO	1.144 LB / TON	STK
CO2	0 LB / TON	EPA
FORMALDEHYDE	.019 LB / TON	STK
HF	.08 LB / TON	STK
HYDROGENCHLO	4.117 LB / TON	STK
LEAD CMP	.00206 LB / TON	OTHR
MERCURY ALL	.0000761 LB / TON	STK
NOX	19.624 LB / TON	STK
PM	1.44 LB / TON	STK

PM10	1.071 LB / TON	STK
ROG	.062 LB / TON	STK
SO2	101.7 LB / TON	OTHR

--INCOMING STREAMS--

TPUT --> B09-03

--OUTGOING STREAMS--

B09-03 ---(100%)---> C06-01

C06-01 ---(100%)---> C7911DSI-01

C7911DSI-01 ---(100%)---> C7911-01

C7911-01 ---(100%)---> S09-01 ---(100%)---> OUT

B09, Process 04	**Generic Throughput Process**			
PROCESS NAME:	PAPER BROKE			
SCC CODE:	10200903			
PROCESS COMMENTS:				
SCHEDULE:	24 Hrs/Day	7 Dys/Wk	0 Dys/Yr	
QTRLY SCHEDULE:	Q1: 25%	Q2: 25%	Q3: 25%	Q4: 25%
ANNUAL TPUT:	0 TON	of Solid Waste - Wood and/or Bark		
AVG TPUT:	0 TON/HR			
MAX TPUT:	10.667 TON/HR			

--EMISSION FACTORS--

POLLUTANT	VALUE / UNIT	ORIGIN
ACETALDEHYDE	.00826763 LB / TON	EPA
ACETONE	.00189259 LB / TON	EPA
ACETOPHENONE	.0000000318752 LB / TON	EPA
ACROLEIN	.039844 LB / TON	EPA
ANTIMONY	.0000786919 LB / TON	EPA
ARSENIC	.000219142 LB / TON	EPA
BARIUM	.0044 LB / TON	DNR
BENZ(A)ANTHR	.000000647465 LB / TON	EPA
BENZENE	.0418362 LB / TON	EPA
BENZO(A)PHEN	.000000378518 LB / TON	EPA
BENZO(A)PYRE	.0000258986 LB / TON	EPA
BENZO(B)FLUO	.0000009961 LB / TON	EPA
BENZO(JK)FLE	.00000159376 LB / TON	EPA
BENZO(K)FLUO	.000000358596 LB / TON	EPA
BERYLLIUM	.0000109571 LB / TON	EPA
CADMIUM	.0000408401 LB / TON	EPA
CARBON TETRA	.000448245 LB / TON	EPA
CFC-11	.000408401 LB / TON	EPA
CHLORINE	.00786919 LB / TON	EPA

CHLOROBENZ	.000328713 LB / TON	EPA
CHLOROFORM	.000278908 LB / TON	EPA
CHROMIUM MET	.000209181 LB / TON	EPA
CHROMIUMVI S	.0000348635 LB / TON	EPA
CO	2.2 LB / TON	DNR
CO2	0 LB / TON	EPA
COBALT	.0000647465 LB / TON	EPA
COPPER	.000488089 LB / TON	EPA
CROTONALDEHY	.0000986139 LB / TON	EPA
DIBENZAHAN	.0000000906451 LB / TON	EPA
DIBROMOET,12	.000547855 LB / TON	EPA
DICHLORETH12	.000288869 LB / TON	EPA
DINITROPH,24	.00000179298 LB / TON	EPA
DIOCTYLPHT,N	.000000468167 LB / TON	EPA
ETHYLBENZENE	.000308791 LB / TON	EPA
FORMALDEHYDE	.0438284 LB / TON	EPA
HYDROGENCHLO	3 LB / TON	STK
INDN(123CDPY	.000000866607 LB / TON	EPA
LEAD CMP	.000478128 LB / TON	EPA
MANGANESE	.0159376 LB / TON	EPA
MERCURY ALL	.0000761 LB / TON	STK
METH ETH KET	.0000537894 LB / TON	EPA
METHANE	.209181 LB / TON	EPA
METHBROMID	.000149415 LB / TON	EPA
METHYL CHLOR	.000229103 LB / TON	EPA
METHYLENE CL	.00288869 LB / TON	EPA
MOLYBDENUM	.0000209181 LB / TON	EPA
NAPHTHALENE	.000966217 LB / TON	EPA
NICKEL CMP	.000328713 LB / TON	EPA
NITROPHENL,4	.00000109571 LB / TON	EPA
NITROUSOXIDE	.129493 LB / TON	EPA
NOX	1.5 LB / TON	DNR
PCP	.000000508011 LB / TON	EPA
PERC	.000378518 LB / TON	EPA
PERYLENE	.00000000517972 LB / TON	EPA
PHENOL	.000508011 LB / TON	EPA
PHOSPHORUS	.000268947 LB / TON	EPA
PM	6.67 LB / TON	DNR
PM10	6.67 LB / TON	DNR
POM	.0028 LB / TON	EPA
PROPIONALDEH	.000607621 LB / TON	EPA
PRPLENE DICH	.000328713 LB / TON	EPA
ROG	.021 LB / TON	DNR
SO2	.249025 LB / TON	EPA
VANADIUM	.00000976178 LB / TON	EPA

--INCOMING STREAMS--

TPUT --> B09-04

--OUTGOING STREAMS--

B09-04 ---(100%)---> C06-01

C06-01 ---(100%)---> C7911DSI-01

C7911DSI-01 ---(100%)---> C7911-01

C7911-01 ---(100%)---> S09-01 ---(100%)---> OUT

B09, Process 05	**Generic Throughput Process**			
PROCESS NAME:	#6 FUEL OIL			
SCC CODE:	10200401			
PROCESS COMMENTS:				
SCHEDULE:	24 Hrs/Day	1 Dys/Wk	1 Dys/Yr	
QTRLY SCHEDULE:	Q1: 0%	Q2: 100%	Q3: 0%	Q4: 0%
ANNUAL TPUT:	.08 E3 GAL	of Fuel Oil - Residual		
AVG TPUT:	3.33333 GAL/HR			
MAX TPUT:	1200 GAL/HR			

--EMISSION FACTORS--

POLLUTANT	VALUE / UNIT	ORIGIN
AMMONIA	.8 LB / E3 GAL	EPA
BENZENE	.0011 LB / E3 GAL	EPA
BENZO(A)PHEN	.0000189 LB / E3 GAL	EPA
BENZO(JK)FLE	.00002565 LB / E3 GAL	EPA
CO	5 LB / E3 GAL	EPA
CO2	0 LB / E3 GAL	EPA
COPPER	.00124 LB / E3 GAL	EPA
FORMALDEHYDE	.061 LB / E3 GAL	EPA
METHANE	1 LB / E3 GAL	EPA
NAPHTHALENE	.058 LB / E3 GAL	EPA
NITROUSOXIDE	.11 LB / E3 GAL	EPA
NOX	47 LB / E3 GAL	DNR
PM	3.32 LB / E3 GAL	DNR
PM10	2.86 LB / E3 GAL	DNR
POM	.0013 LB / E3 GAL	EPA
ROG	.28 LB / E3 GAL	DNR
SO2	0 LB / E3 GAL	DNR

--EMISSIONS / YR--

POLLUTANT	NR438_THRESH	UNCNTRLD	CNTRLD	OZONE/DY
CO (c)	10000 LB	.400 LB	.400 LB	
NOX (c)	10000 LB	3.760 LB	3.760 LB	.000 LB
PM (r)	10000 LB	.690 LB	.690 LB	
PM10 (m)	10000 LB	.690 LB	.690 LB	
ROG (c)	6000 LB	.022 LB	.022 LB	.000 LB
AMMONIA (c) (s)	4097 LB	.064 LB	.064 LB	
BENZENE (c) (fs)	114 LB	.000 LB	.000 LB	
COPPER (c) (s)	235 LB	.000 LB	.000 LB	

FORMALDEHYDE (c) (fs)	68.3 LB	.005 LB	.005 LB
METHANE (c)	10000000 LB	.080 LB	.080 LB
NAPHTHALENE (c) (fs)	6000 LB	.005 LB	.005 LB
NITROUSOXIDE (c) (s)	6000 LB	.009 LB	.009 LB
POM (c) (f)	125 LB	.000 LB	.000 LB

--INCOMING STREAMS--

TPUT --> B09-05

--OUTGOING STREAMS--

B09-05 ---(100%)---> C06-01

C06-01 ---(100%)---> C7911DSI-01

C7911DSI-01 ---(100%)---> C7911-01

C7911-01 ---(100%)---> S09-01 ---(100%)---> OUT

B09, Process 06	**Generic Throughput Process**			
PROCESS NAME:	TREATMENT PLANT SLUDGE			
SCC CODE:	10200903			
PROCESS COMMENTS:				
SCHEDULE:	0 Hrs/Day	0 Dys/Wk	0 Dys/Yr	
QTRLY SCHEDULE:	Q1: 25%	Q2: 25%	Q3: 25%	Q4: 25%
ANNUAL TPUT:	0 TON	of Solid Waste - Wood and/or Bark		
AVG TPUT:	0 TON/HR			
MAX TPUT:	10 TON/HR			

--EMISSION FACTORS--

POLLUTANT	VALUE / UNIT	ORIGIN
ACETALDEHYDE	.00826763 LB / TON	EPA
ACETONE	.00189259 LB / TON	EPA
ACETOPHENONE	.0000000318752 LB / TON	EPA
ACROLEIN	.039844 LB / TON	EPA
ANTIMONY	.0000786919 LB / TON	EPA
ARSENIC	.000219142 LB / TON	EPA
BARIUM	.00169337 LB / TON	EPA
BENZ(A)ANTHR	.000000647465 LB / TON	EPA
BENZENE	.0418362 LB / TON	EPA
BENZO(A)PHEN	.000000378518 LB / TON	EPA
BENZO(A)PYRE	.0000258986 LB / TON	EPA
BENZO(B)FLUO	.0000009961 LB / TON	EPA
BENZO(JK)FLE	.00000159376 LB / TON	EPA
BENZO(K)FLUO	.000000358596 LB / TON	EPA
BERYLLIUM	.0000109571 LB / TON	EPA
CADMIUM	.0000408401 LB / TON	EPA

CARBON TETRA	.000448245 LB / TON	EPA
CFC-11	.000408401 LB / TON	EPA
CHLORINE	.00786919 LB / TON	EPA
CHLOROBENZ	.000328713 LB / TON	EPA
CHLOROFORM	.000278908 LB / TON	EPA
CHROMIUM MET	.000209181 LB / TON	EPA
CHROMIUMVI S	.0000348635 LB / TON	EPA
CO	3.4 LB / TON	STK
CO2	0 LB / TON	EPA
COBALT	.0000647465 LB / TON	EPA
COPPER	.000488089 LB / TON	EPA
CROTONALDEHY	.0000986139 LB / TON	EPA
DIBENZAHAN	.0000000906451 LB / TON	EPA
DIBROMOET,12	.000547855 LB / TON	EPA
DICHLORETH12	.000288869 LB / TON	EPA
DINITROPH,24	.00000179298 LB / TON	EPA
DIOCTYLPHT,N	.000000468167 LB / TON	EPA
ETHYLBENZENE	.000308791 LB / TON	EPA
FORMALDEHYDE	.0438284 LB / TON	EPA
HYDROGENCHLO	.189259 LB / TON	EPA
INDN(123CDPY	.000000866607 LB / TON	EPA
LEAD CMP	.000478128 LB / TON	EPA
MANGANESE	.0159376 LB / TON	EPA
MERCURY ALL	.0000348635 LB / TON	EPA
METH ETH KET	.0000537894 LB / TON	EPA
METHANE	.209181 LB / TON	EPA
METHBROMID	.000149415 LB / TON	EPA
METHYL CHLOR	.000229103 LB / TON	EPA
METHYLENE CL	.00288869 LB / TON	EPA
MOLYBDENUM	.0000209181 LB / TON	EPA
NAPHTHALENE	.000966217 LB / TON	EPA
NICKEL CMP	.000328713 LB / TON	EPA
NITROPHENL,4	.00000109571 LB / TON	EPA
NITROUSOXIDE	.129493 LB / TON	EPA
NOX	1.5 LB / TON	DNR
PCP	.000000508011 LB / TON	EPA
PERC	.000378518 LB / TON	EPA
PERYLENE	.00000000517972 LB / TON	EPA
PHENOL	.000508011 LB / TON	EPA
PHOSPHORUS	.000268947 LB / TON	EPA
PM	8.8 LB / TON	DNR
PM10	2.6 LB / TON	DNR
POM	.0028 LB / TON	EPA
PROPIONALDEH	.000607621 LB / TON	EPA
PRPLENE DICH	.000328713 LB / TON	EPA
ROG	.22 LB / TON	DNR
SO2	.249025 LB / TON	EPA
VANADIUM	.00000976178 LB / TON	EPA

--INCOMING STREAMS--

TPUT --> B09-06

--OUTGOING STREAMS--

B09-06 ---(100%)---> C06-01

C06-01 ---(100%)---> C7911DSI-01

C7911DSI-01 ---(100%)---> C7911-01

C7911-01 ---(100%)---> S09-01 ---(100%)---> OUT

B09, Process 07	**Generic Throughput Process**			
PROCESS NAME:	TDF			
SCC CODE:	10101202			
PROCESS COMMENTS:				
SCHEDULE:	24 Hrs/Day	7 Dys/Wk	361 Dys/Yr	
QTRLY SCHEDULE:	Q1: 25%	Q2: 25%	Q3: 25%	Q4: 25%
ANNUAL TPUT:	947 TON	of Solid Waste - not elsewhere classified		
AVG TPUT:	.1093 TON/HR			
MAX TPUT:	3 TON/HR			

--EMISSION FACTORS--

POLLUTANT	VALUE / UNIT	ORIGIN
CO	1.144 LB / TON	STK
CO2	0 LB / TON	EPA
FORMALDEHYDE	.019 LB / TON	STK
HF	.08 LB / TON	STK
HYDROGENCHLO	4.117 LB / TON	STK
MERCURY ALL	.0000761 LB / TON	STK
NOX	19.624 LB / TON	STK
PM	1.44 LB / TON	STK
PM10	1.01 LB / TON	STK
ROG	.062 LB / TON	STK
SO2	0 LB / TON	DNR

--EMISSIONS / YR--

POLLUTANT	NR438_THRESH	UNCNTRLD	CNTRLD	OZONE/DY
CO (c)	10000 LB	1,083.368 LB	1,083.368 LB	
NOX (c)	10000 LB	18,583.928 LB	18,583.928 LB	51.055 LB
PM (m)	10000 LB	449.570 LB	449.570 LB	
PM10 (m)	10000 LB	449.570 LB	449.570 LB	
ROG (c)	6000 LB	58.714 LB	58.714 LB	.161 LB
ARSENIC (m) (fs)	.21 LB	.020 LB	.020 LB	
BERYLLIUM (m) (fs)	.37 LB	.010 LB	.010 LB	
CADMIUM (m) (fs)	.49 LB	.010 LB	.010 LB	
CHROMIUM MET (m) (fs)	118 LB	.600 LB	.600 LB	
CO2 (r)	200000000 LB	5,204,720.000 LB	5,204,720.000 LB	

FORMALDEHYDE (r) (fs)	68.3 LB	17.990 LB	17.990 LB
HF (r) (fs)	803 LB	75.760 LB	75.760 LB
LEAD (m)	400 LB	.050 LB	.050 LB
MANGANESE (m) (fs)	47.1 LB	.070 LB	.070 LB
MERCURY ALL (m) (fs)	5.88 LB	.030 LB	.030 LB
NICKEL CMP (m) (fs)	3.42 LB	.070 LB	.070 LB

--INCOMING STREAMS--

TPUT --> B09-07

--OUTGOING STREAMS--

B09-07 ---(100%)---> C06-01

C06-01 ---(100%)---> C7911DSI-01

C7911DSI-01 ---(100%)---> C7911-01

C7911-01 ---(100%)---> S09-01 ---(100%)---> OUT

B10 **Boiler/Furnace** **Boiler**

DEVICE DESC: THE NO. 10 RECOVERY BOILER IS A NON-DIRECT CONTACT, LOW ODOR, STEAM GENERATING UNIT USED TO RECOVER KRAFT COOKING CHEMICALS, CAPABLE OF COMBUSTING BLACK LIQUOR, NATURAL GAS AND FUEL OIL, EQUIPPED WITH AN ESP SYSTEM SHARED IN PARALLEL CONFIGURATION WITH THE NO. 8 RECOVERY BOILER (B08). EI: KRAFT RECOVERY BOILER NO. 10

CONSTR DATE: 01/01/1961

DEVICE COMMENTS: EI: Device was not saved.

MAX RATED CAPACITY: 321.7 MMBTU/HR

B10, Process 02 **Generic Throughput Process**

PROCESS NAME: NATURAL GAS

SCC CODE: 10200601

PROCESS COMMENTS:

SCHEDULE: 24 Hrs/Day 7 Dys/Wk 192 Dys/Yr

QTRLY SCHEDULE: Q1: 25% Q2: 25% Q3: 25% Q4: 25%

ANNUAL TPUT: 42.79 MMCF of Natural Gas

AVG TPUT: 9.28602 E3 FT3/H

MAX TPUT: 367 E3 FT3/H

--EMISSION FACTORS--

POLLUTANT	VALUE / UNIT	ORIGIN
AMMONIA	3.2 LB / MMCF	EPA
ARSENIC	.0002 LB / MMCF	EPA

BARIUM	.0044 LB / MMCF	EPA	
BENZ(A)ANTHR	.0000018 LB / MMCF	EPA	
BENZENE	.0021 LB / MMCF	EPA	
BENZO(A)PHEN	.0000018 LB / MMCF	EPA	
BENZO(A)PYRE	.0000012 LB / MMCF	EPA	
BENZO(B)FLUO	.0000018 LB / MMCF	EPA	
BENZO(JK)FLE	.000003 LB / MMCF	EPA	
BENZO(K)FLUO	.0000018 LB / MMCF	EPA	
BERYLLIUM	.000012 LB / MMCF	EPA	
CADMIUM	.0011 LB / MMCF	EPA	
CHROMIUM MET	.0014 LB / MMCF	EPA	
CO	84 LB / MMCF	EPA	
CO2	117823 LB / MMCF	EPA	
COBALT	.000084 LB / MMCF	EPA	
COPPER	.00085 LB / MMCF	EPA	
DIBENZAHAN	.0000012 LB / MMCF	EPA	
FORMALDEHYDE	.075 LB / MMCF	EPA	
HEXANE	1.8 LB / MMCF	EPA	
INDN(123CDPY	.0000018 LB / MMCF	EPA	
LEAD CMP	.0005 LB / MMCF	EPA	
MANGANESE	.00038 LB / MMCF	EPA	
MERCURY ALL	.00026 LB / MMCF	EPA	
METHANE	2.3 LB / MMCF	EPA	
MOLYBDENUM	.0011 LB / MMCF	EPA	
NAPHTHALENE	.00061 LB / MMCF	EPA	
NICKEL CMP	.0021 LB / MMCF	EPA	
NITROUSOXIDE	2.2 LB / MMCF	EPA	
NOX	280 LB / MMCF	DNR	
PM	7.6 LB / MMCF	EPA	
PM10	1.9 LB / MMCF	DNR	
POM	.000649 LB / MMCF	EPA	
ROG	5.5 LB / MMCF	DNR	
SO2	.6 LB / MMCF	EPA	.001 %Sulfur used
VANADIUM	.0023 LB / MMCF	EPA	

--EMISSIONS / YR--

POLLUTANT	NR438_THRESH	UNCNTRLD	CNTRLD	OZONE/DY
CO (c)	10000 LB	3,594.360 LB	3,594.360 LB	
NOX (c)	10000 LB	11,981.200 LB	11,981.200 LB	32.915 LB
PM (c)	10000 LB	325.204 LB	325.204 LB	
PM10 (c)	10000 LB	81.301 LB	81.301 LB	
ROG (c)	6000 LB	235.345 LB	235.345 LB	.647 LB
SO2 (c)	10000 LB	.026 LB	.026 LB	
AMMONIA (r) (s)	4097 LB	136.930 LB	136.930 LB	
ARSENIC (c) (fs)	.21 LB	.009 LB	.009 LB	
BARIUM (c) (s)	118 LB	.188 LB	.188 LB	
BENZ(A)ANTHR (c) (s)	8.08 LB	.000 LB	.000 LB	
BENZENE (r) (fs)	114 LB	.090 LB	.090 LB	
BENZO(A)PHEN (c)	12 LB	.000 LB	.000 LB	
BENZO(A)PYRE (c) (s)	.81 LB	.000 LB	.000 LB	

BENZO(B)FLUO (c) (s)	1.22 LB	.000 LB	.000 LB
BENZO(JK)FLE (c)	12 LB	.000 LB	.000 LB
BENZO(K)FLUO (c) (s)	1.22 LB	.000 LB	.000 LB
BERYLLIUM (c) (fs)	.37 LB	.001 LB	.001 LB
CADMIUM (c) (fs)	.49 LB	.047 LB	.047 LB
CHROMIUM MET (c) (fs)	118 LB	.060 LB	.060 LB
CO2 (r)	200000000 LB	4,597,740.000 LB	4,597,740.000 LB
COBALT (c) (fs)	4.71 LB	.004 LB	.004 LB
COPPER (c) (s)	235 LB	.036 LB	.036 LB
DIBENZAHAN (c) (s)	.74 LB	.000 LB	.000 LB
FORMALDEHYDE (r) (fs)	68.3 LB	3.210 LB	3.210 LB
HEXANE (c) (fs)	6000 LB	77.022 LB	77.022 LB
INDN(123CDPY (c) (s)	8.08 LB	.000 LB	.000 LB
LEAD CMP (c) (f)	400 LB	.021 LB	.021 LB
MANGANESE (c) (fs)	47.1 LB	.016 LB	.016 LB
MERCURY ALL (c) (fs)	5.88 LB	.011 LB	.011 LB
METHANE (c)	10000000 LB	98.417 LB	98.417 LB
MOLYBDENUM (c) (s)	1176 LB	.047 LB	.047 LB
NAPHTHALENE (c) (fs)	6000 LB	.026 LB	.026 LB
NICKEL CMP (r) (fs)	3.42 LB	.090 LB	.090 LB
NITROUSOXIDE (c) (s)	6000 LB	94.138 LB	94.138 LB
POM (c) (f)	125 LB	.028 LB	.028 LB
VANADIUM (r) (s)	11.8 LB	.100 LB	.100 LB

--INCOMING STREAMS--

TPUT --> B10-02

--OUTGOING STREAMS--

B10-02 ---(50%)---> C03-01

C03-01 ---(100%)---> S08-01 ---(100%)---> OUT

B10-02 ---(50%)---> C04-01

C04-01 ---(100%)---> S10-01 ---(100%)---> OUT

B10, Process 04	**Generic Throughput Process**			
PROCESS NAME:	Ultra Low S Diesel Fuel			
SCC CODE:	10200501			
PROCESS COMMENTS:				
SCHEDULE:	0 Hrs/Day	0 Dys/Wk	0 Dys/Yr	
QTRLY SCHEDULE:	Q1: 25%	Q2: 25%	Q3: 25%	Q4: 25%
ANNUAL TPUT:	0 GAL	of Fuel Oil - Distillate (aka Diesel)		
AVG TPUT:	0 GAL/HR			
MAX TPUT:	10.42 GAL/HR			

--EMISSION FACTORS--

POLLUTANT	VALUE / UNIT	ORIGIN	
AMMONIA	.8 LB / E3 GAL	EPA	
ARSENIC	.00046 LB / E3 GAL	EPA	
BERYLLIUM	.000345 LB / E3 GAL	EPA	
CADMIUM	.000345 LB / E3 GAL	EPA	
CHROMIUM MET	.000345 LB / E3 GAL	EPA	
CO	5 LB / E3 GAL	EPA	
COPPER	.00069 LB / E3 GAL	EPA	
FORMALDEHYDE	.048 LB / E3 GAL	EPA	
LEAD CMP	.001035 LB / E3 GAL	EPA	
MANGANESE	.00069 LB / E3 GAL	EPA	
MERCURY ALL	.000345 LB / E3 GAL	EPA	
METHANE	.052 LB / E3 GAL	EPA	
NICKEL CMP	.000345 LB / E3 GAL	EPA	
NITROUSOXIDE	.11 LB / E3 GAL	EPA	
NOX	24 LB / E3 GAL	EPA	
PM	3.3 LB / E3 GAL	EPA	
PM10	2.3 LB / E3 GAL	EPA	
POM	.0033 LB / E3 GAL	EPA	
ROG	.252 LB / E3 GAL	EPA	
SO2	1.42E2*S LB / E3 GAL	EPA	.0008 %Sulfur used

--INCOMING STREAMS--

TPUT --> B10-04

--OUTGOING STREAMS--

B10-04 ---(50%)---> C03-01

C03-01 ---(100%)---> S08-01 ---(100%)---> OUT

B10-04 ---(50%)---> C04-01

C04-01 ---(100%)---> S10-01 ---(100%)---> OUT

B10A **Miscellaneous** **Paper Handling System**

DEVICE DESC:
CONSTR DATE:
DEVICE COMMENTS:

B10A, Process 01 **Generic Throughput Process**

PROCESS NAME: BLACK LIQUOR SOLIDS
SCC CODE: 30700110
PROCESS COMMENTS:
SCHEDULE: 24 Hrs/Day 7 Dys/Wk 352 Dys/Yr
QTRLY SCHEDULE: Q1: 25% Q2: 25% Q3: 25% Q4: 25%
ANNUAL TPUT: 156866 TON of PRODUCT - PAPER

AVG TPUT: 18.56842 TON/HR
MAX TPUT: 25 TON/HR

--EMISSION FACTORS--

POLLUTANT	VALUE / UNIT	ORIGIN
CO	7.68 LB / TON	DNR
CO2	2669 LB / TON	EPA
NOX	1.19 LB / TON	DNR
PM	.28 LB / TON	STK
PM10	.45 LB / TON	OTHR
ROG	.66 LB / TON	DNR
SO2	2.89 LB / TON	STK

--EMISSIONS / YR--

POLLUTANT	NR438_THRESH	UNCNTRLD	CNTRLD	OZONE/DY
CO (c)	10000 LB	1,204,730.880 LB	1,204,730.880 LB	
NOX (c)	10000 LB	186,670.540 LB	186,670.540 LB	512.831 LB
PM (m)	10000 LB	87,813.590 LB	87,813.590 LB	
PM10 (m)	10000 LB	87,813.590 LB	87,813.590 LB	
ROG (c)	6000 LB	103,531.560 LB	103,531.560 LB	284.427 LB
SO2 (c)	10000 LB	453,342.740 LB	453,342.740 LB	
ACETALDEHYDE (r) (fs)	404 LB	956.880 LB	956.880 LB	
ACROLEIN (r) (fs)	75 LB	20.390 LB	20.390 LB	
BENZENE (r) (fs)	114 LB	426.680 LB	426.680 LB	
BENZO(A)PYRE (r) (s)	.81 LB	.010 LB	.010 LB	
BENZO(JK)FLE (r)	12 LB	1.480 LB	1.480 LB	
CADMIUM (r) (fs)	.49 LB	1.110 LB	1.110 LB	
CARBON TETRA (r) (fs)	59.2 LB	43.140 LB	43.140 LB	
CHLOROFORM (r) (fs)	38.6 LB	3.760 LB	3.760 LB	
CHROMIUM MET (r) (fs)	118 LB	2.980 LB	2.980 LB	
CHROMIUMVI I (r) (fs)	.07 LB	2.200 LB	2.200 LB	
CO2 (r)	200000000 LB	468,245,020.000 LB	468,245,020.000 LB	
COBALT (r) (fs)	4.71 LB	.250 LB	.250 LB	
DICHLORETH12 (r) (fs)	34.2 LB	47.060 LB	47.060 LB	
FORMALDEHYDE (r) (fs)	68.3 LB	80.470 LB	80.470 LB	
H2SO4 (r) (s)	235 LB	3,137.320 LB	3,137.320 LB	
HYDROGEN SUL (r) (s)	3279 LB	6,776.610 LB	6,776.610 LB	
HYDROGENCHLO (r) (fs)	1777 LB	8,784.500 LB	8,784.500 LB	
MANGANESE (r) (fs)	47.1 LB	8.160 LB	8.160 LB	
METHANOL (r) (f)	6000 LB	6,902.100 LB	6,902.100 LB	
NICKEL CMP (r) (fs)	3.42 LB	5.180 LB	5.180 LB	
PERC (r) (fs)	151 LB	75.300 LB	75.300 LB	
SULFUR (TRS) (r)	10000 LB	7,843.300 LB	7,843.300 LB	

--INCOMING STREAMS--

TPUT --> B10A-01

--OUTGOING STREAMS--

B10A-01 ---(50%)---> C03-01

C03-01 ---(100%)---> S08-01 ---(100%)---> OUT

B10A-01 ---(50%)---> C04-01

C04-01 ---(100%)---> S10-01 ---(100%)---> OUT

B11 **Boiler/Furnace** **Boiler**

DEVICE DESC: THE NO. 11 BOILER IS A TWIN CYCLONE, STEAM GENERATING UNIT CAPABLE OF COMBUSTING MULTIPLE FUELS, EQUIPPED WITH A MULTICYCLONE AND ESP IN SERIES. THE ESP AND EXHAUST STACK IS COMMON WITH NO. 9 BOILER (B09). THE NO.11 BOILER IS CAPABLE OF COMBUSTING NON-CONDENSIBLE GASES (NCGs). EI: TWIN CYCLONE BOILER NO. 11 - INDUSTRIAL

CONSTR DATE: 01/01/1967

DEVICE COMMENTS:

MAX RATED CAPACITY: 379 MMBTU/HR

B11, Process 01 **Generic Throughput Process**

PROCESS NAME: BITUMINOUS COAL

SCC CODE: 10200203

PROCESS COMMENTS:

SCHEDULE: 24 Hrs/Day 7 Dys/Wk 359 Dys/Yr

QTRLY SCHEDULE: Q1: 25% Q2: 25% Q3: 25% Q4: 25%

ANNUAL TPUT: 99696 TON of Coal - Bituminous

AVG TPUT: 11.57103 TON/HR

MAX TPUT: 15.4 TON/HR

--EMISSION FACTORS--

POLLUTANT	VALUE / UNIT	ORIGIN
AMMONIA	.000565 LB / TON	EPA
ARSENIC	.0021 LB / TON	EPA
BERYLLIUM	.0015 LB / TON	EPA
CADMIUM	.0005 LB / TON	EPA
CHROMIUM MET	.0275 LB / TON	EPA
CO	1.144 LB / TON	STK
CO2	5352.3 LB / TON	EPA
FORMALDEHYDE	.019 LB / TON	STK
HF	.08 LB / TON	STK
HYDROGENCHLO	4.117 LB / TON	STK
LEAD CMP	.00206 LB / TON	OTHR
MANGANESE	.0238 LB / TON	EPA
MERCURY ALL	.0000761 LB / TON	STK
METHANE	.01 LB / TON	EPA
NICKEL CMP	.0236 LB / TON	EPA

NITROUSOXIDE	.09 LB / TON	EPA
NOX	19.624 LB / TON	STK
PM	1.44 LB / TON	STK
PM10	1.071 LB / TON	STK
ROG	.062 LB / TON	STK
SO2	101.7 LB / TON	OTHR

--EMISSIONS / YR--

POLLUTANT	NR438_THRESH	UNCNTRLD	CNTRLD	OZONE/DY
CO (c)	10000 LB	114,052.224 LB	114,052.224 LB	
NOX (c)	10000 LB	1,956,434.304 LB	1,956,434.304 LB	5,374.820 LB
PM (m)	10000 LB	41,525.640 LB	41,525.640 LB	
PM10 (m)	10000 LB	41,525.640 LB	41,525.640 LB	
ROG (c)	6000 LB	6,181.152 LB	6,181.152 LB	16.981 LB
SO2 (m)	10000 LB	16,208,603,660.000 LB	16,208,603,660.000 LB	
ACETALDEHYDE (r) (fs)	404 LB	56.830 LB	56.830 LB	
ACROLEIN (r) (fs)	75 LB	28.910 LB	28.910 LB	
AMMONIA (r) (s)	4097 LB	55.830 LB	55.830 LB	
ARSENIC (r) (fs)	.21 LB	2.310 LB	2.310 LB	
BENZENE (r) (fs)	114 LB	129.610 LB	129.610 LB	
BERYLLIUM (r) (fs)	.37 LB	.580 LB	.580 LB	
CADMIUM (r) (fs)	.49 LB	.580 LB	.580 LB	
CHLOROFORM (r) (fs)	38.6 LB	5.880 LB	5.880 LB	
CHROMIUM MET (r) (fs)	118 LB	56.550 LB	56.550 LB	
CHROMIUMVI I (r) (fs)	.07 LB	7.880 LB	7.880 LB	
CO2 (r)	200000000 LB	480,435,980.000 LB	480,435,980.000 LB	
COBALT (r) (fs)	4.71 LB	40.880 LB	40.880 LB	
DIBROMOET,12 (r) (fs)	4.04 LB	.120 LB	.120 LB	
DICHLORETH12 (r) (fs)	34.2 LB	3.990 LB	3.990 LB	
DIMETH SULFA (r) (fs)	1.22 LB	4.790 LB	4.790 LB	
FORMALDEHYDE (r) (fs)	68.3 LB	1,894.230 LB	1,894.230 LB	
H2SO4 (r) (s)	235 LB	114,202.000 LB	114,202.000 LB	
HF (r) (fs)	803 LB	7,975.700 LB	7,975.700 LB	
HYDROGENCHLO (r) (fs)	1777 LB	33,774.440 LB	33,774.440 LB	
LEAD (m)	400 LB	5.060 LB	5.060 LB	
LEAD CMP (c) (f)	400 LB	205.374 LB	205.374 LB	
MANGANESE (r) (fs)	47.1 LB	6.730 LB	6.730 LB	
MERCURY ALL (r) (fs)	5.88 LB	2.490 LB	2.490 LB	
METH HYDRAZI (r) (fs)	4.43 LB	16.950 LB	16.950 LB	
METHANE (c)	10000000 LB	996.960 LB	996.960 LB	
NICKEL CMP (r) (fs)	3.42 LB	7.050 LB	7.050 LB	
NITROUSOXIDE (c) (s)	6000 LB	8,972.640 LB	8,972.640 LB	
PERC (r) (fs)	151 LB	4.290 LB	4.290 LB	
VANADIUM (r) (s)	11.8 LB	57.820 LB	57.820 LB	

--INCOMING STREAMS--

TPUT --> B11-01

--OUTGOING STREAMS--

B11-01 ---(100%)---> C11-01

C11-01 ---(100%)---> C7911DSI-01

C7911DSI-01 ---(100%)---> C7911-01

C7911-01 ---(100%)---> S09-01 ---(100%)---> OUT

B11, Process 02	**Generic Throughput Process**			
PROCESS NAME:	NO. 6 OIL			
SCC CODE:	10200401			
PROCESS COMMENTS:				
SCHEDULE:	24 Hrs/Day	7 Dys/Wk	55 Dys/Yr	
QTRLY SCHEDULE:	Q1: 25%	Q2: 25%	Q3: 25%	Q4: 25%
ANNUAL TPUT:	11.74 E3 GAL	of Fuel Oil - Residual		
AVG TPUT:	8.89394 GAL/HR			
MAX TPUT:	2447 GAL/HR			

--EMISSION FACTORS--

POLLUTANT	VALUE / UNIT	ORIGIN
AMMONIA	.8 LB / E3 GAL	EPA
BENZENE	.0011 LB / E3 GAL	EPA
BENZO(A)PHEN	.0000189 LB / E3 GAL	EPA
BENZO(JK)FLE	.00002565 LB / E3 GAL	EPA
CO	5 LB / E3 GAL	DNR
CO2	0 LB / E3 GAL	EPA
COPPER	.00124 LB / E3 GAL	EPA
FORMALDEHYDE	.061 LB / E3 GAL	EPA
METHANE	1 LB / E3 GAL	EPA
NAPHTHALENE	.058 LB / E3 GAL	EPA
NITROUSOXIDE	.11 LB / E3 GAL	EPA
NOX	47 LB / E3 GAL	DNR
PM	4 LB / E3 GAL	DNR
PM10	3.44 LB / E3 GAL	DNR
POM	.0013 LB / E3 GAL	EPA
ROG	.28 LB / E3 GAL	DNR
SO2	0 LB / E3 GAL	DNR

--EMISSIONS / YR--

POLLUTANT	NR438_THRESH	UNCNTRLD	CNTRLD	OZONE/DY
CO (c)	10000 LB	58.700 LB	58.700 LB	
NOX (c)	10000 LB	551.780 LB	551.780 LB	1.516 LB
PM (m)	10000 LB	100.590 LB	100.590 LB	
PM10 (m)	10000 LB	100.590 LB	100.590 LB	
ROG (c)	6000 LB	3.287 LB	3.287 LB	.009 LB
AMMONIA (r) (s)	4097 LB	9.390 LB	9.390 LB	
BENZENE (c) (fs)	114 LB	.013 LB	.013 LB	
BENZO(A)PHEN (c)	12 LB	.000 LB	.000 LB	

BENZO(JK)FLE (c)	12 LB	.000 LB	.000 LB
CADMIUM (r) (fs)	.49 LB	.200 LB	.200 LB
CO2 (r)	200000000 LB	246,640.000 LB	246,640.000 LB
COPPER (c) (s)	235 LB	.015 LB	.015 LB
FORMALDEHYDE (r) (fs)	68.3 LB	.500 LB	.500 LB
METHANE (c)	10000000 LB	11.740 LB	11.740 LB
NAPHTHALENE (c) (fs)	6000 LB	.681 LB	.681 LB
NICKEL CMP (r) (fs)	3.42 LB	.020 LB	.020 LB
NITROUSOXIDE (c) (s)	6000 LB	1.291 LB	1.291 LB
POM (c) (f)	125 LB	.015 LB	.015 LB
VANADIUM (r) (s)	11.8 LB	.370 LB	.370 LB

--INCOMING STREAMS--

TPUT --> B11-02

--OUTGOING STREAMS--

B11-02 ---(100%)---> C11-01

C11-01 ---(100%)---> C7911DSI-01

C7911DSI-01 ---(100%)---> C7911-01

C7911-01 ---(100%)---> S09-01 ---(100%)---> OUT

B11, Process 04	**Generic Throughput Process**			
PROCESS NAME:	PAPER BROKE			
SCC CODE:	10200903			
PROCESS COMMENTS:				
SCHEDULE:	0 Hrs/Day	0 Dys/Wk	0 Dys/Yr	
QTRLY SCHEDULE:	Q1: 25%	Q2: 25%	Q3: 25%	Q4: 25%
ANNUAL TPUT:	0 TON	of Solid Waste - Wood and/or Bark		
AVG TPUT:	0 TON/HR			
MAX TPUT:	21 TON/HR			

--EMISSION FACTORS--

POLLUTANT	VALUE / UNIT	ORIGIN
ACETALDEHYDE	.00826763 LB / TON	EPA
ACETONE	.00189259 LB / TON	EPA
ACETOPHENONE	.0000000318752 LB / TON	EPA
ACROLEIN	.039844 LB / TON	EPA
ANTIMONY	.0000786919 LB / TON	EPA
ARSENIC	.000219142 LB / TON	EPA
BARIUM	.00169337 LB / TON	EPA
BENZ(A)ANTHR	.000000647465 LB / TON	EPA
BENZENE	.0418362 LB / TON	EPA
BENZO(A)PHEN	.000000378518 LB / TON	EPA
BENZO(A)PYRE	.0000258986 LB / TON	EPA

BENZO(B)FLUO	.0000009961 LB / TON	EPA
BENZO(JK)FLE	.00000159376 LB / TON	EPA
BENZO(K)FLUO	.000000358596 LB / TON	EPA
BERYLLIUM	.0000109571 LB / TON	EPA
CADMIUM	.0000408401 LB / TON	EPA
CARBON TETRA	.000448245 LB / TON	EPA
CFC-11	.000408401 LB / TON	EPA
CHLORINE	.00786919 LB / TON	EPA
CHLOROBENZ	.000328713 LB / TON	EPA
CHLOROFORM	.000278908 LB / TON	EPA
CHROMIUM MET	.000209181 LB / TON	EPA
CHROMIUMVI S	.0000348635 LB / TON	EPA
CO	3.4 LB / TON	DNR
CO2	0 LB / TON	EPA
COBALT	.0000647465 LB / TON	EPA
COPPER	.000488089 LB / TON	EPA
CROTONALDEHY	.0000986139 LB / TON	EPA
DIBENZAHAN	.0000000906451 LB / TON	EPA
DIBROMOET,12	.000547855 LB / TON	EPA
DICHLORETH12	.000288869 LB / TON	EPA
DINITROPH,24	.00000179298 LB / TON	EPA
DIOCTYLPHT,N	.000000468167 LB / TON	EPA
ETHYLBENZENE	.000308791 LB / TON	EPA
FORMALDEHYDE	.0438284 LB / TON	EPA
HYDROGENCHLO	3 LB / TON	STK
INDN(123CDPY	.000000866607 LB / TON	EPA
LEAD CMP	.000478128 LB / TON	EPA
MANGANESE	.0159376 LB / TON	EPA
MERCURY ALL	.0000761 LB / TON	STK
METH ETH KET	.0000537894 LB / TON	EPA
METHANE	.209181 LB / TON	EPA
METHBROMID	.000149415 LB / TON	EPA
METHYL CHLOR	.000229103 LB / TON	EPA
METHYLENE CL	.00288869 LB / TON	EPA
MOLYBDENUM	.0000209181 LB / TON	EPA
NAPHTHALENE	.000966217 LB / TON	EPA
NICKEL CMP	.000328713 LB / TON	EPA
NITROPHENL,4	.00000109571 LB / TON	EPA
NITROUSOXIDE	.129493 LB / TON	EPA
NOX	1.5 LB / TON	DNR
PCP	.000000508011 LB / TON	EPA
PERC	.000378518 LB / TON	EPA
PERYLENE	.00000000517972 LB / TON	EPA
PHENOL	.000508011 LB / TON	EPA
PHOSPHORUS	.000268947 LB / TON	EPA
PM	6.67 LB / TON	STK
PM10	6.67 LB / TON	STK
POM	.0028 LB / TON	EPA
PROPIONALDEH	.000607621 LB / TON	EPA
PRPLENE DICH	.000328713 LB / TON	EPA

ROG	.117 LB / TON	DNR
SO2	0 LB / TON	DNR
VANADIUM	.00000976178 LB / TON	EPA

--INCOMING STREAMS--

TPUT --> B11-04

--OUTGOING STREAMS--

B11-04 ---(100%)---> C11-01

C11-01 ---(100%)---> C7911DSI-01

C7911DSI-01 ---(100%)---> C7911-01

C7911-01 ---(100%)---> S09-01 ---(100%)---> OUT

B11, Process 05	**Generic Throughput Process**			
PROCESS NAME:	PETROLEUM COKE			
SCC CODE:	10200802			
PROCESS COMMENTS:	LIMITED TO 25% BY WT IN PERMIT			
SCHEDULE:	24 Hrs/Day	7 Dys/Wk	0 Dys/Yr	
QTRLY SCHEDULE:	Q1: 25%	Q2: 25%	Q3: 25%	Q4: 25%
ANNUAL TPUT:	0 TON	of Coke		
AVG TPUT:	0 TON/HR			
MAX TPUT:	3.72 TON/HR			

--EMISSION FACTORS--

POLLUTANT	VALUE / UNIT	ORIGIN
CO	1.144 LB / TON	STK
CO2	0 LB / TON	EPA
FORMALDEHYDE	.019 LB / TON	STK
HF	.08 LB / TON	STK
HYDROGENCHLO	4.117 LB / TON	STK
LEAD CMP	.00206 LB / TON	OTHR
MERCURY ALL	.0000761 LB / TON	STK
NOX	19.624 LB / TON	STK
PM	1.44 LB / TON	STK
PM10	1.1071 LB / TON	STK
ROG	.062 LB / TON	STK
SO2	101.2 LB / TON	OTHR

--INCOMING STREAMS--

TPUT --> B11-05

--OUTGOING STREAMS--

B11-05 ---(100%)---> C11-01

C11-01 ---(100%)---> C7911DSI-01

C7911DSI-01 ---(100%)---> C7911-01

C7911-01 ---(100%)---> S09-01 ---(100%)---> OUT

B11, Process 06	**Generic Throughput Process**			
PROCESS NAME:	TDF			
SCC CODE:	10201201			
PROCESS COMMENTS:				
SCHEDULE:	24 Hrs/Day	7 Dys/Wk	359 Dys/Yr	
QTRLY SCHEDULE:	Q1: 25%	Q2: 25%	Q3: 25%	Q4: 25%
ANNUAL TPUT:	2580 TON	of Solid Waste - not elsewhere classified		
AVG TPUT:	.29944 TON/HR			
MAX TPUT:	3 TON/HR			

--EMISSION FACTORS--

POLLUTANT	VALUE / UNIT	ORIGIN
CO	1.144 LB / TON	STK
CO2	0 LB / TON	EPA
FORMALDEHYDE	.019 LB / TON	STK
HF	.08 LB / TON	STK
HYDROGENCHLO	4.117 LB / TON	STK
MERCURY ALL	.0000761 LB / TON	STK
NOX	19.624 LB / TON	STK
PM	1.44 LB / TON	STK
PM10	1.071 LB / TON	STK
ROG	.062 LB / TON	STK
SO2	0 LB / TON	DNR

--EMISSIONS / YR--

POLLUTANT	NR438_THRESH	UNCNTRLD	CNTRLD	OZONE/DY
CO (c)	10000 LB	2,951.520 LB	2,951.520 LB	
NOX (c)	10000 LB	50,629.920 LB	50,629.920 LB	139.093 LB
PM (m)	10000 LB	12,244.800 LB	12,244.800 LB	
PM10 (m)	10000 LB	12,244.800 LB	12,244.800 LB	
ROG (c)	6000 LB	159.960 LB	159.960 LB	.439 LB
ARSENIC (m) (fs)	.21 LB	.070 LB	.070 LB	
BERYLLIUM (m) (fs)	.37 LB	.020 LB	.020 LB	
CADMIUM (m) (fs)	.49 LB	.020 LB	.020 LB	
CHROMIUM MET (m) (fs)	118 LB	1.630 LB	1.630 LB	
CO2 (m)	200000000 LB	14,179,680.000 LB	14,179,680.000 LB	
FORMALDEHYDE (r) (fs)	68.3 LB	49.020 LB	49.020 LB	
HF (m) (fs)	803 LB	206.400 LB	206.400 LB	
HYDROGENCHLO (m) (fs)	1777 LB	10,621.860 LB	10,621.860 LB	
LEAD (m)	400 LB	.150 LB	.150 LB	

MANGANESE (m) (fs)	47.1 LB	.190 LB	.190 LB
MERCURY ALL (m) (fs)	5.88 LB	.070 LB	.070 LB
NICKEL CMP (m) (fs)	3.42 LB	.200 LB	.200 LB

--INCOMING STREAMS--

TPUT --> B11-06

--OUTGOING STREAMS--

B11-06 ---(100%)---> C11-01

C11-01 ---(100%)---> C7911DSI-01

C7911DSI-01 ---(100%)---> C7911-01

C7911-01 ---(100%)---> S09-01 ---(100%)---> OUT

B11, Process 07	**Generic Throughput Process**			
PROCESS NAME:	NAT GAS			
SCC CODE:	10200601			
PROCESS COMMENTS:				
SCHEDULE:	24 Hrs/Day	7 Dys/Wk	164 Dys/Yr	
QTRLY SCHEDULE:	Q1: 25%	Q2: 25%	Q3: 25%	Q4: 25%
ANNUAL TPUT:	14.8 MMCF	of Natural Gas		
AVG TPUT:	3.76016 E3 FT3/H			
MAX TPUT:	376 E3 FT3/H			

--EMISSION FACTORS--

POLLUTANT	VALUE / UNIT	ORIGIN
AMMONIA	3.2 LB / MMCF	EPA
ARSENIC	.0002 LB / MMCF	EPA
BARIUM	.0044 LB / MMCF	EPA
BENZ(A)ANTHR	.0000018 LB / MMCF	EPA
BENZENE	.0021 LB / MMCF	EPA
BENZO(A)PHEN	.0000018 LB / MMCF	EPA
BENZO(A)PYRE	.0000012 LB / MMCF	EPA
BENZO(B)FLUO	.0000018 LB / MMCF	EPA
BENZO(JK)FLE	.000003 LB / MMCF	EPA
BENZO(K)FLUO	.0000018 LB / MMCF	EPA
BERYLLIUM	.000012 LB / MMCF	EPA
CADMIUM	.0011 LB / MMCF	EPA
CHROMIUM MET	.0014 LB / MMCF	EPA
CO	84 LB / MMCF	DNR
CO2	0 LB / MMCF	EPA
COBALT	.000084 LB / MMCF	EPA
COPPER	.00085 LB / MMCF	EPA
DIBENZAHAN	.0000012 LB / MMCF	EPA
FORMALDEHYDE	.075 LB / MMCF	EPA
HEXANE	1.8 LB / MMCF	EPA

INDN(123CDPY	.0000018 LB / MMCF	EPA
LEAD CMP	.0005 LB / MMCF	EPA
MANGANESE	.00038 LB / MMCF	EPA
MERCURY ALL	.00026 LB / MMCF	EPA
METHANE	2.3 LB / MMCF	EPA
MOLYBDENUM	.0011 LB / MMCF	EPA
NAPHTHALENE	.00061 LB / MMCF	EPA
NICKEL CMP	.0021 LB / MMCF	EPA
NITROUSOXIDE	2.2 LB / MMCF	EPA
NOX	280 LB / MMCF	DNR
PM	7.6 LB / MMCF	DNR
PM10	1.9 LB / MMCF	DNR
POM	.000649 LB / MMCF	EPA
ROG	5.5 LB / MMCF	DNR
SO2	0 LB / MMCF	DNR
VANADIUM	.0023 LB / MMCF	EPA

--EMISSIONS / YR--

POLLUTANT	NR438_THRESH	UNCNTRLD	CNTRLD	OZONE/DY
CO (c)	10000 LB	1,243.200 LB	1,243.200 LB	
NOX (c)	10000 LB	4,144.000 LB	4,144.000 LB	11.385 LB
PM (c)	10000 LB	112.480 LB	112.480 LB	
PM10 (c)	10000 LB	28.120 LB	28.120 LB	
ROG (c)	6000 LB	81.400 LB	81.400 LB	.224 LB
AMMONIA (r) (s)	4097 LB	47.360 LB	47.360 LB	
ARSENIC (c) (fs)	.21 LB	.003 LB	.003 LB	
BARIUM (c) (s)	118 LB	.065 LB	.065 LB	
BENZ(A)ANTHR (c) (s)	8.08 LB	.000 LB	.000 LB	
BENZENE (r) (fs)	114 LB	.030 LB	.030 LB	
BENZO(A)PHEN (c)	12 LB	.000 LB	.000 LB	
BENZO(A)PYRE (c) (s)	.81 LB	.000 LB	.000 LB	
BENZO(B)FLUO (c) (s)	1.22 LB	.000 LB	.000 LB	
BENZO(JK)FLE (c)	12 LB	.000 LB	.000 LB	
BENZO(K)FLUO (c) (s)	1.22 LB	.000 LB	.000 LB	
BERYLLIUM (c) (fs)	.37 LB	.000 LB	.000 LB	
CADMIUM (c) (fs)	.49 LB	.016 LB	.016 LB	
CHROMIUM MET (c) (fs)	118 LB	.021 LB	.021 LB	
CO2 (r)	200000000 LB	1,590,240.000 LB	1,590,240.000 LB	
COBALT (c) (fs)	4.71 LB	.001 LB	.001 LB	
COPPER (c) (s)	235 LB	.013 LB	.013 LB	
DIBENZAHAN (c) (s)	.74 LB	.000 LB	.000 LB	
FORMALDEHYDE (r) (fs)	68.3 LB	1.110 LB	1.110 LB	
HEXANE (c) (fs)	6000 LB	26.640 LB	26.640 LB	
INDN(123CDPY (c) (s)	8.08 LB	.000 LB	.000 LB	
LEAD CMP (c) (f)	400 LB	.007 LB	.007 LB	
MANGANESE (c) (fs)	47.1 LB	.006 LB	.006 LB	
MERCURY ALL (c) (fs)	5.88 LB	.004 LB	.004 LB	
METHANE (c)	10000000 LB	34.040 LB	34.040 LB	
MOLYBDENUM (c) (s)	1176 LB	.016 LB	.016 LB	
NAPHTHALENE (c) (fs)	6000 LB	.009 LB	.009 LB	

NICKEL CMP (r) (fs)	3.42 LB	.030 LB	.030 LB
NITROUSOXIDE (c) (s)	6000 LB	32.560 LB	32.560 LB
POM (c) (f)	125 LB	.010 LB	.010 LB
VANADIUM (r) (s)	11.8 LB	.030 LB	.030 LB

--INCOMING STREAMS--

TPUT --> B11-07

--OUTGOING STREAMS--

B11-07 ---(100%)---> C11-01

C11-01 ---(100%)---> C7911DSI-01

C7911DSI-01 ---(100%)---> C7911-01

C7911-01 ---(100%)---> S09-01 ---(100%)---> OUT

B11A **Miscellaneous** **Paper Handling System**

DEVICE DESC:
CONSTR DATE:
DEVICE COMMENTS:

B11A, Process 01 **Generic Throughput Process**

PROCESS NAME: NCG
SCC CODE: 30700104
PROCESS COMMENTS:
SCHEDULE: 24 Hrs/Day 7 Dys/Wk 115 Dys/Yr
QTRLY SCHEDULE: Q1: 25% Q2: 25% Q3: 25% Q4: 25%
ANNUAL TPUT: 12956 TON of PRODUCT - PAPER
AVG TPUT: 4.6942 TON/HR
MAX TPUT: 28.25 TON/HR

--EMISSION FACTORS--

POLLUTANT	VALUE / UNIT	ORIGIN
CO	.175 LB / TON	OTHR
METH ETH KET	.015 LB / TON	EPA
NOX	2 LB / TON	EPA
ROG	.034 LB / TON	DNR
SO2	0 LB / TON	DNR

--EMISSIONS / YR--

POLLUTANT	NR438_THRESH	UNCNTRLD	CNTRLD	OZONE/DY
CO (c)	10000 LB	2,267.300 LB	2,267.300 LB	
NOX (c)	10000 LB	25,912.000 LB	25,912.000 LB	71.187 LB
ROG (r)	6000 LB	440.500 LB	440.500 LB	1.210 LB
HYDROGEN SUL (r) (s)	3279 LB	2.310 LB	2.310 LB	
METH ETH KET (c)	6000 LB	194.340 LB	194.340 LB	
SULFUR (TRS) (r)	10000 LB	18.140 LB	18.140 LB	

--INCOMING STREAMS--

TPUT --> B11A-01

--OUTGOING STREAMS--

B11A-01 ---(100%)---> C11-01

C11-01 ---(100%)---> C7911DSI-01

C7911DSI-01 ---(100%)---> C7911-01

C7911-01 ---(100%)---> S09-01 ---(100%)---> OUT

B81 **Boiler/Furnace** **Boiler**

DEVICE DESC: PACKAGE BOILER
CONSTR DATE:
DEVICE COMMENTS: 96.7 MMBTU/HR NATURAL GAS-FIRED PACKAGE BOILER
MAX RATED CAPACITY: MMBTU/HR

B81, Process 01 | **Generic Throughput Process**

PROCESS NAME: PACKAGE BOILER
SCC CODE: 10100602
PROCESS COMMENTS:
SCHEDULE: 24 Hrs/Day 7 Dys/Wk 0 Dys/Yr
QTRLY SCHEDULE: Q1: 0% Q2: 0% Q3: 100% Q4: 0%
ANNUAL TPUT: 0 MMCF of Natural Gas
AVG TPUT: 0 E3 FT3/H
MAX TPUT: 11 E3 FT3/H

--EMISSION FACTORS--

POLLUTANT	VALUE / UNIT	ORIGIN
ACETALDEHYDE	.0152 LB / MMCF	EPA
ACROLEIN	.018 LB / MMCF	EPA
AMMONIA	3.2 LB / MMCF	EPA
ARSENIC	.0002 LB / MMCF	EPA
BARIUM	.0044 LB / MMCF	EPA
BENZ(A)ANTHR	.0000018 LB / MMCF	EPA
BENZENE	.0021 LB / MMCF	EPA
BENZO(A)PHEN	.0000018 LB / MMCF	EPA
BENZO(A)PYRE	.0000012 LB / MMCF	EPA
BENZO(B)FLUO	.0000018 LB / MMCF	EPA
BENZO(JK)FLE	.000003 LB / MMCF	EPA
BENZO(K)FLUO	.0000018 LB / MMCF	EPA
BERYLLIUM	.000012 LB / MMCF	EPA
CADMIUM	.0011 LB / MMCF	EPA
CHROMIUM MET	.0014 LB / MMCF	EPA
CO	84 LB / MMCF	EPA
CO2	120000 LB / MMCF	EPA
COBALT	.000084 LB / MMCF	EPA
COPPER	.00085 LB / MMCF	EPA
DIBENZAHAN	.0000012 LB / MMCF	EPA
FORMALDEHYDE	.075 LB / MMCF	EPA
HEXANE	1.8 LB / MMCF	EPA
INDN(123CDPY	.0000018 LB / MMCF	EPA
LEAD CMP	.0005 LB / MMCF	EPA
MANGANESE	.00038 LB / MMCF	EPA
MERCURY ALL	.00026 LB / MMCF	EPA
METHANE	2.3 LB / MMCF	EPA
MOLYBDENUM	.0011 LB / MMCF	EPA
NAPHTHALENE	.00061 LB / MMCF	EPA
NICKEL CMP	.0021 LB / MMCF	EPA
NITROUSOXIDE	2.2 LB / MMCF	EPA
NOX	100 LB / MMCF	EPA

PM	7.6 LB / MMCF	EPA
PM10	7.6 LB / MMCF	EPA
ROG	5.5 LB / MMCF	EPA
SO2	.6 LB / MMCF	EPA
VANADIUM	.0023 LB / MMCF	EPA

--INCOMING STREAMS--

TPUT --> B81-01

--OUTGOING STREAMS--

B81-01 (100%) --> OUT

C01 **Cyclone/Settling Chambers** **Cyclone**

DEVICE DESC: CYCLONE FOR NO. 7 BOILER
CONSTR DATE:
DEVICE COMMENTS:

C01, Process 01 **Used for collectors**

PROCESS NAME:
PROCESS COMMENTS:
SCHEDULE: 24 Hrs/Day 7 Dys/Wk 342 Dys/Yr
QTRLY SCHEDULE: Q1: 25% Q2: 25% Q3: 25% Q4: 25%

--INCOMING STREAMS--

B07-05 (100%) --> C01-01
B07-01 (100%) --> C01-01
B07-02 (100%) --> C01-01
B07-03 (100%) --> C01-01
B07-04 (100%) --> C01-01

--OUTGOING STREAMS--

C01-01 ---(100%)---> C7911DSI-01

C7911DSI-01 ---(100%)---> C7911-01

C7911-01 ---(100%)---> S09-01 ---(100%)---> OUT

C02 **Wet Collection Systems** **Scrubber**

DEVICE DESC: WET SCRUBBER FOR NO. 7 BOILER
CONSTR DATE:
DEVICE COMMENTS:

C02, Process 01 **Used for collectors**

PROCESS NAME:
PROCESS COMMENTS:
SCHEDULE: 24 Hrs/Day 7 Dys/Wk 0 Dys/Yr
QTRLY SCHEDULE: Q1: 25% Q2: 25% Q3: 25% Q4: 25%

--OUTGOING STREAMS--

C02-01 (100%) --> OUT

C03 **Electrostatic Precipitator** **Electrostatic Precipitator**

DEVICE DESC: PRECIPITATOR - BOILERS 8 ^ 10 - A SIDE
CONSTR DATE:
DEVICE COMMENTS:

C03, Process 01 **Used for collectors**

PROCESS NAME:
PROCESS COMMENTS:
SCHEDULE: 24 Hrs/Day 7 Dys/Wk 354 Dys/Yr
QTRLY SCHEDULE: Q1: 25% Q2: 25% Q3: 25% Q4: 25%

--INCOMING STREAMS--
B08-01 (50%) --> C03-01
B08-02 (50%) --> C03-01
B10-02 (50%) --> C03-01
B08A-01 (50%) --> C03-01
B10A-01 (50%) --> C03-01
B10-04 (50%) --> C03-01
B08-04 (50%) --> C03-01

--OUTGOING STREAMS--

C03-01 ---(100%)---> S08-01 ---(100%)---> OUT

C04 **Electrostatic Precipitator** **Electrostatic Precipitator**

DEVICE DESC: PRECIPITATOR - BOILERS 8 ^ 10 - B SIDE
CONSTR DATE:
DEVICE COMMENTS:

C04, Process 01 **Used for collectors**

PROCESS NAME:
PROCESS COMMENTS:
SCHEDULE: 24 Hrs/Day 7 Dys/Wk 353 Dys/Yr
QTRLY SCHEDULE: Q1: 25% Q2: 25% Q3: 25% Q4: 25%

--INCOMING STREAMS--
B08-01 (50%) --> C04-01
B08-02 (50%) --> C04-01
B10-02 (50%) --> C04-01
B08A-01 (50%) --> C04-01
B08-04 (50%) --> C04-01
B10-04 (50%) --> C04-01
B10A-01 (50%) --> C04-01

--OUTGOING STREAMS--

C04-01 ---(100%)---> S10-01 ---(100%)---> OUT

C05 **Wet Collection Systems** **Scrubber**

DEVICE DESC: WET SCRUBBER FOR NO.8 SMELT DISSOLVING TANK
CONSTR DATE:
DEVICE COMMENTS:

C05, Process 01 **Used for collectors**

PROCESS NAME:
PROCESS COMMENTS:
SCHEDULE: 24 Hrs/Day 7 Dys/Wk 353 Dys/Yr
QTRLY SCHEDULE: Q1: 25% Q2: 25% Q3: 25% Q4: 25%

--INCOMING STREAMS--
P08-00 (100%) --> C05-01

--OUTGOING STREAMS--

C05-01 ---(100%)---> S05-01 ---(100%)---> OUT

C06 **Cyclone/Settling Chambers** **Cyclone**

DEVICE DESC: THE MULTICYCLONE IS A 96 TUBE MULTICYCLONE WITH TOP INLET AND SIDE i1OUTLET. TWO HOPPERS WITH 10 INCH SQUARE DISCHARGE, AND TANGENTIAL i1ENTRY. EI: CYCLONE FOR NO. 9 BOILER

CONSTR DATE: 01/01/1991

DEVICE COMMENTS:

C06, Process 01 **Used for collectors**

PROCESS NAME:

PROCESS COMMENTS:

SCHEDULE:	24 Hrs/Day	7 Dys/Wk	338 Dys/Yr	
QTRLY SCHEDULE:	Q1: 25%	Q2: 25%	Q3: 25%	Q4: 25%

--INCOMING STREAMS--

B09-07 (100%) --> C06-01
B09-05 (100%) --> C06-01
B09-01 (100%) --> C06-01
B09-02 (100%) --> C06-01
B09-03 (100%) --> C06-01
B09-04 (100%) --> C06-01
B09-06 (100%) --> C06-01

--OUTGOING STREAMS--

C06-01 ---(100%)---> C7911DSI-01

C7911DSI-01 ---(100%)---> C7911-01

C7911-01 ---(100%)---> S09-01 ---(100%)---> OUT

C07 **Wet Collection Systems** **Scrubber**

DEVICE DESC: THE SCRUBBER IS AN IMPINGEMENT TYPE, MULTIVANE SCRUBBER WITH NO i1RECIRCULATION. EI: ELECTROSTATIC PRECIPITATOR - BOILERS 9 ^ 11

CONSTR DATE: 01/01/1976

DEVICE COMMENTS: This device is not a scrubber but is the ESP for B9 and B11

C07, Process 01 **Used for collectors**

PROCESS NAME:

PROCESS COMMENTS:

SCHEDULE: 24 Hrs/Day 7 Dys/Wk 0 Dys/Yr

QTRLY SCHEDULE: Q1: 25% Q2: 25% Q3: 25% Q4: 25%

--OUTGOING STREAMS--

C07-01 (100%) --> OUT

C10 **Electrostatic Precipitator** **Electrostatic Precipitator**

DEVICE DESC: THE ESP SYSTEM INCLUDES TWO SINGLE CHAMBER, THREE-FIELD, THREE-PLATE i1 (PERFORATED), TOP INLET/TOP OUTLET, DRY BOTTOM UNITS IN PARALLEL. i1THE AIR FLOWS EXHAUSTED FROM RECOVERY BOILER NOS. 8 AND 10 ARE SPLIT i1TO THE "A-SIDE" AND "B-SIDE" OF THE SYSTEM. INFORMATION PRESENTED IN i1THIS FORM REPRESENTS THE A-SIDE PRECIPITATOR. EI: WET SCRUBBER FOR NO. 10 SMELT DISSOLVING TANK

CONSTR DATE: 01/01/1984

DEVICE COMMENTS:

C10, Process 01 **Used for collectors**

PROCESS NAME:

PROCESS COMMENTS:

SCHEDULE: 24 Hrs/Day 7 Dys/Wk 354 Dys/Yr

QTRLY SCHEDULE: Q1: 25% Q2: 25% Q3: 25% Q4: 25%

--INCOMING STREAMS--

P10-01 (100%) --> C10-01

--OUTGOING STREAMS--

C10-01 ---(100%)---> S06-01 ---(100%)---> OUT

C11 **Electrostatic Precipitator Precipitator** **Electrostatic**

DEVICE DESC: multicyclone for B11
CONSTR DATE:
DEVICE COMMENTS: This is the multicyclone for B11 not the ESP

C11, Process 01 **Used for collectors**

PROCESS NAME:
PROCESS COMMENTS:
SCHEDULE: 24 Hrs/Day 7 Dys/Wk 360 Dys/Yr
QTRLY SCHEDULE: Q1: 25% Q2: 25% Q3: 25% Q4: 25%

--INCOMING STREAMS--
B11-06 (100%) --> C11-01
B11-01 (100%) --> C11-01
B11-02 (100%) --> C11-01
B11-04 (100%) --> C11-01
B11-05 (100%) --> C11-01
B11-07 (100%) --> C11-01
B11A-01 (100%) --> C11-01

--OUTGOING STREAMS--

C11-01 ---(100%)---> C7911DSI-01

C7911DSI-01 ---(100%)---> C7911-01

C7911-01 ---(100%)---> S09-01 ---(100%)---> OUT

C13 **Wet Collection Systems** **Scrubber**

DEVICE DESC: LIME KILN SCRUBBER - VENTURI
CONSTR DATE:
DEVICE COMMENTS:

C13, Process 01 **Used for collectors**

PROCESS NAME:
PROCESS COMMENTS:
SCHEDULE: 24 Hrs/Day 7 Dys/Wk 361 Dys/Yr
QTRLY SCHEDULE: Q1: 25% Q2: 25% Q3: 25% Q4: 25%

--INCOMING STREAMS--
P12-01 (100%) --> C13-01
P12-02 (100%) --> C13-01
P12A-01 (100%) --> C13-01

--OUTGOING STREAMS--

C13-01 ---(100%)---> S12-01 ---(100%)---> OUT

C20 **Wet Collection Systems** **Scrubber**

DEVICE DESC: PARTICULATE -LADEN STEAM IS COLLECTED FROM SLAKER AND CAUSTICIZERS i1AND DIRECTED THROUGH CONDENSING SCRUBBER. FRESH WATER SPRAY NOZZLES i1SCRUB THE FLUE GAS AND CONDENSE THE STEAM. EI: SCRUBBER FOR SLAKER AND CAUSTICIZERS
CONSTR DATE: 01/01/1986
DEVICE COMMENTS:

C20, Process 01 **Used for collectors**

PROCESS NAME:
PROCESS COMMENTS:
SCHEDULE: 24 Hrs/Day 7 Dys/Wk 358 Dys/Yr
QTRLY SCHEDULE: Q1: 25% Q2: 25% Q3: 25% Q4: 25%

--INCOMING STREAMS--
P19-00 (100%) --> C20-01

--OUTGOING STREAMS--

C20-01 ---(100%)---> S19-01 ---(100%)---> OUT

C7911 **Baghouse/Fabric Filter** **Baghouse**

DEVICE DESC: Baghouse
CONSTR DATE:
DEVICE COMMENTS:

C7911, Process 01 **Used for collectors**

PROCESS NAME: Baghouse
PROCESS COMMENTS:
SCHEDULE: 0 Hrs/Day 0 Dys/Wk 0 Dys/Yr
QTRLY SCHEDULE: Q1: 25% Q2: 25% Q3: 25% Q4: 25%

--INCOMING STREAMS--

C7911DSI-01 (100%) --> C7911-01

--OUTGOING STREAMS--

C7911-01 ---(100%)---> S09-01 ---(100%)---> OUT

C7911DSI **Miscellaneous Device** **Miscellaneous Control**

DEVICE DESC: DSI system
CONSTR DATE:
DEVICE COMMENTS:

C7911DSI, Process 01 **Used for collectors**

PROCESS NAME:
PROCESS COMMENTS:
SCHEDULE: 0 Hrs/Day 0 Dys/Wk 0 Dys/Yr
QTRLY SCHEDULE: Q1: 25% Q2: 25% Q3: 25% Q4: 25%

--INCOMING STREAMS--

C01-01 (100%) --> C7911DSI-01
C06-01 (100%) --> C7911DSI-01
C11-01 (100%) --> C7911DSI-01

--OUTGOING STREAMS--

C7911DSI-01 ---(100%)---> C7911-01

C7911-01 ---(100%)---> S09-01 ---(100%)---> OUT

F01 **Miscellaneous** **Any Device**

DEVICE DESC: COAL PILE
CONSTR DATE:
DEVICE COMMENTS: ADDED PER 2005 COAL DOCUMENT

F01, Process 01 **Generic Throughput Process**

PROCESS NAME: COAL TRANSFER OPERATIONS
SCC CODE: 30501015
PROCESS COMMENTS: ADDED PER OCT 2006 COAL DOCUMENT

SCHEDULE:	24 Hrs/Day	7 Dys/Wk	365 Dys/Yr	
QTRLY SCHEDULE:	Q1: 25%	Q2: 25%	Q3: 25%	Q4: 25%
ANNUAL TPUT:	136528.6 TON	of PRODUCT - MINERALS		
AVG TPUT:	15.58546 TON/HR			
MAX TPUT:	50 TON/HR			

--EMISSION FACTORS--

POLLUTANT	VALUE / UNIT	ORIGIN
PM	.00131 LB / TON	DNR
PM10	.000506 LB / TON	DNR

--EMISSIONS / YR--

POLLUTANT	NR438_THRESH	UNCNTRLD	CNTRLD	OZONE/DY
PM (r)	10000 LB	178.850 LB	178.850 LB	
PM10 (r)	10000 LB	84.240 LB	84.240 LB	

--INCOMING STREAMS--

TPUT --> F01-01

--OUTGOING STREAMS--

F01-01 (100%) --> OUT

F02 **Miscellaneous** **Any Device**

DEVICE DESC: WIND EROSION
CONSTR DATE:
DEVICE COMMENTS: ADDED PER 2005 COAL DOCUMENT

F02, Process 01 **Generic Throughput Process**

PROCESS NAME: WIND EROSION
SCC CODE: 30501043
PROCESS COMMENTS: ADDED PER OCT 2006 COAL DOCUMENT
SCHEDULE: 24 Hrs/Day 7 Dys/Wk 365 Dys/Yr
QTRLY SCHEDULE: Q1: 25% Q2: 25% Q3: 25% Q4: 25%
ANNUAL TPUT: .7 ACRE of PRODUCT - MINERALS
AVG TPUT: .00008 ACRE/HR
MAX TPUT: .000081 ACRE/HR

--EMISSION FACTORS--

POLLUTANT	VALUE / UNIT	ORIGIN
PM	6184 LB / ACRE	DNR
PM10	3092 LB / ACRE	DNR

--EMISSIONS / YR--

POLLUTANT	NR438_THRESH	UNCNTRLD	CNTRLD	OZONE/DY
PM (r)	10000 LB	4,328.800 LB	4,328.800 LB	
PM10 (r)	10000 LB	1.200 LB	1.200 LB	

--INCOMING STREAMS--

TPUT --> F02-01

--OUTGOING STREAMS--

F02-01 (100%) --> OUT

F03 **Miscellaneous** **Any Device**

DEVICE DESC: COAL PILE MAINTENANCE
CONSTR DATE:
DEVICE COMMENTS: ADDED PER 2005 COAL DOCUMENT

F03, Process 01 **Generic Throughput Process**

PROCESS NAME: COAL PILE MAINTENANCE
SCC CODE: 30501031
PROCESS COMMENTS: ADDED PER 2005 COAL DOCUMENT
SCHEDULE: 24 Hrs/Day 7 Dys/Wk 365 Dys/Yr
QTRLY SCHEDULE: Q1: 25% Q2: 25% Q3: 25% Q4: 25%
ANNUAL TPUT: 21.52 VMT of PRODUCT - MINERALS
AVG TPUT: .00246 VMT/HR
MAX TPUT: .3 VMT/HR

--EMISSION FACTORS--

POLLUTANT	VALUE / UNIT	ORIGIN
PM	10.43961 LB / VMT	DNR
PM10	2.800411 LB / VMT	DNR

--EMISSIONS / YR--

POLLUTANT	NR438_THRESH	UNCNTRLD	CNTRLD	OZONE/DY
PM (r)	10000 LB	224.660 LB	224.660 LB	
PM10 (r)	10000 LB	60.260 LB	60.260 LB	

--INCOMING STREAMS--

TPUT --> F03-01

--OUTGOING STREAMS--

F03-01 (100%) --> OUT

F04 **Miscellaneous** **Any Device**

DEVICE DESC: LOAD TO TRUCKS
CONSTR DATE:
DEVICE COMMENTS: ADDED PER 2005 COAL DOCUMENT

F04, Process 01 **Generic Throughput Process**

PROCESS NAME: ASH LOADING TO TRUCKS
SCC CODE: 30502007
PROCESS COMMENTS: ADDED PER OCT 2006 COAL DOCUMENT
SCHEDULE: 24 Hrs/Day 7 Dys/Wk 365 Dys/Yr
QTRLY SCHEDULE: Q1: 25% Q2: 25% Q3: 25% Q4: 25%
ANNUAL TPUT: 20475 TON of PRODUCT - MINERALS
AVG TPUT: 2.33733 TON/HR
MAX TPUT: 20 TON/HR

--EMISSION FACTORS--

POLLUTANT	VALUE / UNIT	ORIGIN
PM	.375 LB / TON	DNR
PM10	.225 LB / TON	DNR

--EMISSIONS / YR--

POLLUTANT	NR438_THRESH	UNCNTRLD	CNTRLD	OZONE/DY
PM (r)	10000 LB	7,678.130 LB	7,678.130 LB	
PM10 (r)	10000 LB	4,606.880 LB	4,606.880 LB	

--INCOMING STREAMS--

TPUT --> F04-01

--OUTGOING STREAMS--

F04-01 (100%) --> OUT

P08 **Miscellaneous** **Reactor**

DEVICE DESC: THE NO. 8 SMELT DISSOLVING TANK IS A LARGE TANK THAT RECEIVES MOLTEN INORGANIC KRAFT COOKING CHEMICALS (SMELT) RECOVERED BY THE NO. 8 RECOVERY BOILER AND IS EQUIPPED WITH A SCRUBBER.
EI: NO. 8 SMELT DISSOLVING PROCESS
CONSTR DATE: 01/01/1953
DEVICE COMMENTS: EI: Inorganic molten smelt from the recovery boiler is dissolved in a weak wash solution to produce green liquor.

P08, Process 00 **Generic Throughput Process**

PROCESS NAME: DISSOLVING
SCC CODE: 30700105
PROCESS COMMENTS: Inorganic molten smelt from the recovery boiler is dissolved in a weak wash solution to produce green liquor.
SCHEDULE: 24 Hrs/Day 7 Dys/Wk 353 Dys/Yr
QTRLY SCHEDULE: Q1: 25% Q2: 25% Q3: 25% Q4: 25%
ANNUAL TPUT: 110630.2 TON of PRODUCT - PAPER
AVG TPUT: 13.05833 TON/HR
MAX TPUT: 16 TON/HR

--EMISSION FACTORS--

POLLUTANT	VALUE / UNIT	ORIGIN
CO	.00641 LB / TON	DNR
NOX	.00265 LB / TON	STK
PM	.119 LB / TON	STK
PM10	.119 LB / TON	DNR
ROG	.01 LB / TON	OTHR
SO2	0 LB / TON	EPA

--EMISSIONS / YR--

POLLUTANT	NR438_THRESH	UNCNTRLD	CNTRLD	OZONE/DY
CO (c)	10000 LB	709.140 LB	709.140 LB	
NOX (c)	10000 LB	293.170 LB	293.170 LB	.805 LB
PM (c)	10000 LB	13,164.994 LB	13,164.994 LB	
PM10 (c)	10000 LB	13,164.994 LB	13,164.994 LB	
ROG (r)	6000 LB	1,454.700 LB	1,454.700 LB	3.996 LB
ACETALDEHYDE (r) (fs)	404 LB	30.980 LB	30.980 LB	
ACROLEIN (r) (fs)	75 LB	.830 LB	.830 LB	
AMMONIA (r) (s)	4097 LB	9,624.830 LB	9,624.830 LB	
BENZO(A)PYRE (r) (s)	.81 LB	.040 LB	.040 LB	
BENZO(JK)FLE (r)	12 LB	9.880 LB	9.880 LB	
CADMIUM (r) (fs)	.49 LB	.110 LB	.110 LB	
CHLOROFORM (r) (fs)	38.6 LB	.250 LB	.250 LB	
CHLOROPRENE (r) (fs)	1.22 LB	1.990 LB	1.990 LB	
CHROMIUM MET (r) (fs)	118 LB	.410 LB	.410 LB	
CHROMIUMVI I (r) (fs)	.07 LB	.380 LB	.380 LB	
DICHLORETH12 (r) (fs)	34.2 LB	4.540 LB	4.540 LB	
FORMALDEHYDE (r) (fs)	68.3 LB	387.210 LB	387.210 LB	
HYDROSULNB (m) (s)	3279 LB	663.780 LB	663.780 LB	
MANGANESE (r) (fs)	47.1 LB	1.440 LB	1.440 LB	
METHANOL (r) (f)	6000 LB	1,028.860 LB	1,028.860 LB	
NICKEL CMP (r) (fs)	3.42 LB	.270 LB	.270 LB	
PERC (r) (fs)	151 LB	.410 LB	.410 LB	
PHOSPHORUS (r) (fs)	23.8 LB	1.880 LB	1.880 LB	
SULFUR (TRS) (r)	10000 LB	763.350 LB	763.350 LB	

--INCOMING STREAMS--

TPUT --> P08-00

--OUTGOING STREAMS--

P08-00 ---(100%)---> C05-01

C05-01 ---(100%)---> S05-01 ---(100%)---> OUT

P10 **Miscellaneous** **Reactor**

DEVICE DESC: THE NO. 10 SMELT DISSOLVING TANK IS A LARGE TANK THAT RECEIVES MOLTEN INORGANIC KRAFT COOKING CHEMICALS (SMELT) RECOVERED BY THE NO. 10 RECOVERY BOILER AND IS EQUIPPED WITH A SCRUBBER. EI: NO. 10 SMELT DISSOLVING PROCESS

CONSTR DATE: 01/01/1961

DEVICE COMMENTS: EI: Inorganic molten smelt from the recovery boiler is dissolved in a weak wash solution to produce Green Liquor.

P10, Process 01 **Generic Throughput Process**

PROCESS NAME: DISSOLVING

SCC CODE: 30700105

PROCESS COMMENTS: Inorganic molten smelt from the recovery boiler is dissolved in a weak wash solution to produce green liquor.

SCHEDULE:	24 Hrs/Day	7 Dys/Wk	354 Dys/Yr	
QTRLY SCHEDULE:	Q1: 25%	Q2: 25%	Q3: 25%	Q4: 25%
ANNUAL TPUT:	156866 TON	of PRODUCT - PAPER		
AVG TPUT:	18.46351 TON/HR			
MAX TPUT:	25 TON/HR			

--EMISSION FACTORS--

POLLUTANT	VALUE / UNIT	ORIGIN
CO	.00641 LB / TON	FIRE6.23
NOX	.00265 LB / TON	STK
PM	.143 LB / TON	STK
PM10	.143 LB / TON	DNR
ROG	.01 LB / TON	OTHR
SO2	0 LB / TON	OTHR

--EMISSIONS / YR--

POLLUTANT	NR438_THRESH	UNCNTRLD	CNTRLD	OZONE/DY
CO (c)	10000 LB	1,005.511 LB	1,005.511 LB	
NOX (c)	10000 LB	415.695 LB	415.695 LB	1.142 LB
PM (c)	10000 LB	22,431.838 LB	22,431.838 LB	
PM10 (c)	10000 LB	22,431.838 LB	22,431.838 LB	

ROG (r)	6000 LB	2,065.560 LB	2,065.560 LB	5.675 LB
ACETALDEHYDE (r) (fs)	404 LB	43.920 LB	43.920 LB	
ACROLEIN (r) (fs)	75 LB	1.180 LB	1.180 LB	
AMMONIA (r) (s)	4097 LB	13,647.340 LB	13,647.340 LB	
BENZENE (r) (fs)	114 LB	.090 LB	.090 LB	
BENZO(A)PYRE (r) (s)	.81 LB	.060 LB	.060 LB	
BENZO(JK)FLE (r)	12 LB	14.010 LB	14.010 LB	
BUTADIENE,13 (m) (fs)	3.17 LB	2.820 LB	2.820 LB	
CADMIUM (r) (fs)	.49 LB	.150 LB	.150 LB	
CHLOROFORM (r) (fs)	38.6 LB	.360 LB	.360 LB	
CHLOROPRENE (r) (fs)	1.22 LB	2.820 LB	2.820 LB	
CHROMIUM MET (r) (fs)	118 LB	.580 LB	.580 LB	
CHROMIUMVI I (r) (fs)	.07 LB	.530 LB	.530 LB	
DICHLORETH12 (r) (fs)	34.2 LB	6.430 LB	6.430 LB	
FORMALDEHYDE (r) (fs)	68.3 LB	549.030 LB	549.030 LB	
HYDROSULNB (r) (s)	3279 LB	941.200 LB	941.200 LB	
MANGANESE (r) (fs)	47.1 LB	2.040 LB	2.040 LB	
METHANOL (r) (f)	6000 LB	1,458.850 LB	1,458.850 LB	
NICKEL CMP (r) (fs)	3.42 LB	.380 LB	.380 LB	
PERC (r) (fs)	151 LB	.580 LB	.580 LB	
PHOSPHORUS (r) (fs)	23.8 LB	2.670 LB	2.670 LB	
SULFUR (TRS) (r)	10000 LB	1,082.380 LB	1,082.380 LB	

--INCOMING STREAMS--

TPUT --> P10-01

--OUTGOING STREAMS--

P10-01 ---(100%)---> C10-01

C10-01 ---(100%)---> S06-01 ---(100%)---> OUT

P11 **Miscellaneous** **Paper Machine**

DEVICE DESC: NO. 11 PAPER MACHINE
CONSTR DATE: 01/13/1952
DEVICE COMMENTS:

P11, Process 00 **Generic Throughput Process**

PROCESS NAME: THRUPUT IS TON EQUIV. PULP AD
SCC CODE: 30700401
PROCESS COMMENTS: Throughput in air dry tons of paper produced (ADTP).
SCHEDULE: 24 Hrs/Day 7 Dys/Wk 324 Dys/Yr
QTRLY SCHEDULE: Q1: 25% Q2: 25% Q3: 25% Q4: 25%
ANNUAL TPUT: 34652.3 TON of PRODUCT - PAPER
AVG TPUT: 4.45631 TON/HR
MAX TPUT: 9.2 TON/HR

--EMISSION FACTORS--

POLLUTANT	VALUE / UNIT	ORIGIN
PM	.08 LB / TON	DNR
PM10	.08 LB / TON	DNR
ROG	.069 LB / TON	DNR

--EMISSIONS / YR--

POLLUTANT	NR438_THRESH	UNCNTRLD	CNTRLD	OZONE/DY
PM (c)	10000 LB	2,772.184 LB	2,772.184 LB	
PM10 (c)	10000 LB	2,772.184 LB	2,772.184 LB	
ROG (c)	6000 LB	2,391.009 LB	2,391.009 LB	6.569 LB
ACETALDEHYDE (r) (fs)	404 LB	173.260 LB	173.260 LB	
ACROLEIN (r) (fs)	75 LB	55.440 LB	55.440 LB	
BENZENE (r) (fs)	114 LB	13.510 LB	13.510 LB	
FORMALDEHYDE (r) (fs)	68.3 LB	166.330 LB	166.330 LB	
METHANOL (r) (f)	6000 LB	1,732.620 LB	1,732.620 LB	
PERC (r) (fs)	151 LB	138.610 LB	138.610 LB	
SULFUR (TRS) (r)	10000 LB	173.260 LB	173.260 LB	

--INCOMING STREAMS--

TPUT --> P11-00

--OUTGOING STREAMS--

P11-00 ---(100%)---> S11-01 ---(100%)---> OUT

P11, Process 01	**Generic Throughput Process**			
PROCESS NAME:	ON MACHINE SIZE PRESS COATER			
SCC CODE:	30700401			
PROCESS COMMENTS:				
SCHEDULE:	24 Hrs/Day	7 Dys/Wk	324 Dys/Yr	
QTRLY SCHEDULE:	Q1: 25%	Q2: 25%	Q3: 25%	Q4: 25%
ANNUAL TPUT:	3233 LB	of PRODUCT - PAPER		
AVG TPUT:	.41577 LB/HR			
MAX TPUT:	14 LB/HR			

--EMISSION FACTORS--

POLLUTANT	VALUE / UNIT	ORIGIN
ROG	1 LB / LB	OTHR

--EMISSIONS / YR--

POLLUTANT	NR438_THRESH	UNCNTRLD	CNTRLD	OZONE/DY
ROG (r)	6000 LB	3,233.000 LB	3,233.000 LB	8.882 LB

--INCOMING STREAMS--

TPUT --> P11-01

--OUTGOING STREAMS--

P11-01 ---(100%)---> S11-01 ---(100%)---> OUT

P11, Process 02	**Generic Throughput Process**			
PROCESS NAME:	WET END ADDITIVES			
SCC CODE:	30700401			
PROCESS COMMENTS:				
SCHEDULE:	24 Hrs/Day	7 Dys/Wk	324 Dys/Yr	
QTRLY SCHEDULE:	Q1: 25%	Q2: 25%	Q3: 25%	Q4: 25%
ANNUAL TPUT:	2002 LB	of PRODUCT - PAPER		
AVG TPUT:	.25746 LB/HR			
MAX TPUT:	2 LB/HR			

--EMISSION FACTORS--

POLLUTANT	VALUE / UNIT	ORIGIN
ROG	1 LB / LB	OTHR

--EMISSIONS / YR--

POLLUTANT	NR438_THRESH	UNCNTRLD	CNTRLD	OZONE/DY
ROG (r)	6000 LB	2,002.000 LB	2,002.000 LB	5.500 LB

--INCOMING STREAMS--

TPUT --> P11-02

--OUTGOING STREAMS--

P11-02 ---(100%)---> S11-01 ---(100%)---> OUT

P12	**Boiler/Furnace**	**Boiler**
DEVICE DESC:	THE LIME KILN IS A LARGE, ROTATING CYLINDRICAL DEVICE. EI: LIME KILN FOR KRAFT RECOVERY CYCLE	
CONSTR DATE:	05/01/1986	
DEVICE COMMENTS:	EI: Units are in Tons of Air Dried Pulp produced	
MAX RATED CAPACITY:	MMBTU/HR	

P12, Process 01	**Generic Throughput Process**			
PROCESS NAME:	No 6 Oil			
SCC CODE:	10100401			
PROCESS COMMENTS:				
SCHEDULE:	24 Hrs/Day	7 Dys/Wk	0 Dys/Yr	
QTRLY SCHEDULE:	Q1: 25%	Q2: 25%	Q3: 25%	Q4: 25%
ANNUAL TPUT:	0 E3 GAL	of Fuel Oil - Residual		
AVG TPUT:	0 GAL/HR			

MAX TPUT: 285 GAL/HR

--EMISSION FACTORS--

POLLUTANT	VALUE / UNIT	ORIGIN
AMMONIA	.8 LB / E3 GAL	EPA
ANTIMONY	.00525 LB / E3 GAL	EPA
ARSENIC	.00132 LB / E3 GAL	EPA
BARIUM	.00257 LB / E3 GAL	EPA
BENZ(A)ANTHR	.00000401 LB / E3 GAL	EPA
BENZENE	.000214 LB / E3 GAL	EPA
BENZO(A)PHEN	.00000238 LB / E3 GAL	EPA
BENZO(JK)FLE	.00000484 LB / E3 GAL	EPA
BERYLLIUM	.0000278 LB / E3 GAL	EPA
CADMIUM	.000398 LB / E3 GAL	EPA
CHROMIUM MET	.000845 LB / E3 GAL	EPA
CHROMIUMVI S	.000248 LB / E3 GAL	EPA
CO	5 LB / E3 GAL	DNR
CO2	25447 LB / E3 GAL	EPA
COBALT	.00602 LB / E3 GAL	EPA
COPPER	.00176 LB / E3 GAL	EPA
DIBENZAHAN	.00000167 LB / E3 GAL	EPA
ETHYLBENZENE	.0000636 LB / E3 GAL	EPA
FORMALDEHYDE	.033 LB / E3 GAL	DNR
INDN(123CDPY	.00000214 LB / E3 GAL	EPA
LEAD CMP	.00151 LB / E3 GAL	EPA
MANGANESE	.003 LB / E3 GAL	EPA
MERCURY ALL	.000113 LB / E3 GAL	EPA
METHANE	.28 LB / E3 GAL	DNR
MOLYBDENUM	.000787 LB / E3 GAL	EPA
NAPHTHALENE	.00113 LB / E3 GAL	EPA
NICKEL CMP	.0845 LB / E3 GAL	EPA
NITROUSOXIDE	.11 LB / E3 GAL	EPA
NOX	47 LB / E3 GAL	DNR
PHOSPHORUS	.00946 LB / E3 GAL	EPA
PM	1.5 LB / E3 GAL	DNR
PM10	1.5 LB / E3 GAL	DNR
ROG	.76 LB / E3 GAL	DNR
SO2	0 LB / E3 GAL	DNR
VANADIUM	.0318 LB / E3 GAL	EPA

--INCOMING STREAMS--

TPUT --> P12-01

--OUTGOING STREAMS--

P12-01 ---(100%)---> C13-01

C13-01 ---(100%)---> S12-01 ---(100%)---> OUT

P12, Process 02	Generic Throughput Process			
PROCESS NAME:	Natural gas			
SCC CODE:	10200602			
PROCESS COMMENTS:				
SCHEDULE:	24 Hrs/Day	7 Dys/Wk	352 Dys/Yr	
QTRLY SCHEDULE:	Q1: 25%	Q2: 25%	Q3: 25%	Q4: 25%
ANNUAL TPUT:	240.38 MMCF	of Natural Gas		
AVG TPUT:	28.45407 MMCF/HR			
MAX TPUT:	31 MMCF/HR			

--EMISSION FACTORS--

POLLUTANT	VALUE / UNIT	ORIGIN
AMMONIA	3.2 LB / MMCF	EPA
ARSENIC	.0002 LB / MMCF	EPA
BARIUM	.0044 LB / MMCF	EPA
BENZ(A)ANTHR	.0000018 LB / MMCF	EPA
BENZENE	.0021 LB / MMCF	EPA
BENZO(A)PHEN	.0000018 LB / MMCF	EPA
BENZO(A)PYRE	.0000012 LB / MMCF	EPA
BENZO(B)FLUO	.0000018 LB / MMCF	EPA
BENZO(JK)FLE	.000003 LB / MMCF	EPA
BENZO(K)FLUO	.0000018 LB / MMCF	EPA
BERYLLIUM	.000012 LB / MMCF	EPA
CADMIUM	.0011 LB / MMCF	EPA
CHROMIUM MET	.0014 LB / MMCF	EPA
CO	84 LB / MMCF	EPA
CO2	117823 LB / MMCF	EPA
COBALT	.000084 LB / MMCF	EPA
COPPER	.00085 LB / MMCF	EPA
DIBENZAHAN	.0000012 LB / MMCF	EPA
FORMALDEHYDE	.075 LB / MMCF	EPA
HEXANE	1.8 LB / MMCF	EPA
INDN(123CDPY	.0000018 LB / MMCF	EPA
LEAD CMP	.0005 LB / MMCF	EPA
MANGANESE	.00038 LB / MMCF	EPA
MERCURY ALL	.00026 LB / MMCF	EPA
METHANE	2.3 LB / MMCF	EPA
MOLYBDENUM	.0011 LB / MMCF	EPA
NAPHTHALENE	.00061 LB / MMCF	EPA
NICKEL CMP	.0021 LB / MMCF	EPA
NITROUSOXIDE	2.2 LB / MMCF	EPA
NOX	100 LB / MMCF	EPA
PM	7.6 LB / MMCF	EPA
PM10	7.6 LB / MMCF	EPA
ROG	5.5 LB / MMCF	EPA
SO2	0 LB / MMCF	DNR
VANADIUM	.0023 LB / MMCF	EPA

--EMISSIONS / YR--

POLLUTANT	NR438_THRESH	UNCNTRLD	CNTRLD	OZONE/DY

CO (c)	10000 LB	20,191.920 LB	20,191.920 LB	
NOX (c)	10000 LB	24,038.000 LB	24,038.000 LB	66.038 LB
PM (c)	10000 LB	1,826.888 LB	1,826.888 LB	
PM10 (c)	10000 LB	1,826.888 LB	1,826.888 LB	
ROG (c)	6000 LB	1,322.090 LB	1,322.090 LB	3.632 LB
AMMONIA (r) (s)	4097 LB	769.220 LB	769.220 LB	
ARSENIC (c) (fs)	.21 LB	.048 LB	.048 LB	
BARIUM (c) (s)	118 LB	1.058 LB	1.058 LB	
BENZ(A)ANTHR (c) (s)	8.08 LB	.000 LB	.000 LB	
BENZENE (c) (fs)	114 LB	.505 LB	.505 LB	
BENZO(A)PHEN (c)	12 LB	.000 LB	.000 LB	
BENZO(A)PYRE (c) (s)	.81 LB	.000 LB	.000 LB	
BENZO(B)FLUO (c) (s)	1.22 LB	.000 LB	.000 LB	
BENZO(JK)FLE (c)	12 LB	.001 LB	.001 LB	
BENZO(K)FLUO (c) (s)	1.22 LB	.000 LB	.000 LB	
BERYLLIUM (c) (fs)	.37 LB	.003 LB	.003 LB	
CADMIUM (c) (fs)	.49 LB	.264 LB	.264 LB	
CHROMIUM MET (c) (fs)	118 LB	.337 LB	.337 LB	
CO2 (r)	200000000 LB	25,828,600.000 LB	25,828,600.000 LB	
COBALT (c) (fs)	4.71 LB	.020 LB	.020 LB	
COPPER (c) (s)	235 LB	.204 LB	.204 LB	
DIBENZAHAN (c) (s)	.74 LB	.000 LB	.000 LB	
FORMALDEHYDE (c) (fs)	68.3 LB	18.029 LB	18.029 LB	
HEXANE (c) (fs)	6000 LB	432.684 LB	432.684 LB	
INDN(123CDPY (c) (s)	8.08 LB	.000 LB	.000 LB	
LEAD CMP (c) (f)	400 LB	.120 LB	.120 LB	
MANGANESE (c) (fs)	47.1 LB	.091 LB	.091 LB	
MERCURY ALL (c) (fs)	5.88 LB	.063 LB	.063 LB	
METHANE (c)	10000000 LB	552.874 LB	552.874 LB	
MOLYBDENUM (c) (s)	1176 LB	.264 LB	.264 LB	
NAPHTHALENE (c) (fs)	6000 LB	.147 LB	.147 LB	
NICKEL CMP (c) (fs)	3.42 LB	.505 LB	.505 LB	
NITROUSOXIDE (c) (s)	6000 LB	528.836 LB	528.836 LB	
VANADIUM (c) (s)	11.8 LB	.553 LB	.553 LB	

--INCOMING STREAMS--

TPUT --> P12-02

--OUTGOING STREAMS--

P12-02 ---(100%)---> C13-01

C13-01 ---(100%)---> S12-01 ---(100%)---> OUT

P12A **Miscellaneous** **Calciner**

DEVICE DESC:

CONSTR DATE:

DEVICE COMMENTS:

P12A, Process 01	Generic Throughput Process			
PROCESS NAME:	CALCINING			
SCC CODE:	30700106			
PROCESS COMMENTS:				
SCHEDULE:	24 Hrs/Day	7 Dys/Wk	352 Dys/Yr	
QTRLY SCHEDULE:	Q1: 25%	Q2: 25%	Q3: 25%	Q4: 25%
ANNUAL TPUT:	36500.4 TON	of PRODUCT - PAPER		
AVG TPUT:	4.3206 TON/HR			
MAX TPUT:	5.625 TON/HR			

--EMISSION FACTORS--

POLLUTANT	VALUE / UNIT	ORIGIN
ACETALDEHYDE	.000074 LB / TON	EPA
ARSENIC	.000000468 LB / TON	EPA
BENZO(JK)FLE	.00000348 LB / TON	EPA
BERYLLIUM	.0000078 LB / TON	EPA
CADMIUM	.00000202 LB / TON	EPA
CHROMIUM MET	.000466 LB / TON	EPA
CO	.31 LB / TON	DNR
COPPER	.000028 LB / TON	EPA
HYDROGENCHLO	.0000022 LB / TON	EPA
LEAD CMP	.0001088 LB / TON	EPA
MANGANESE	.000035 LB / TON	EPA
MERCURY ALL	.00000029 LB / TON	EPA
NICKEL CMP	.000129 LB / TON	EPA
NOX	.72 LB / TON	STK
PM	.42 LB / TON	STK
PM10	.42 LB / TON	DNR
ROG	.032 LB / TON	DNR
SO2	.004 LB / TON	STK

--EMISSIONS / YR--

POLLUTANT	NR438_THRESH	UNCNTRLD	CNTRLD	OZONE/DY
CO (c)	10000 LB	11,315.124 LB	11,315.124 LB	
NOX (c)	10000 LB	26,280.288 LB	26,280.288 LB	72.199 LB
PM (c)	10000 LB	15,330.168 LB	15,330.168 LB	
PM10 (c)	10000 LB	15,330.168 LB	15,330.168 LB	
ROG (c)	6000 LB	1,168.013 LB	1,168.013 LB	3.209 LB
SO2 (c)	10000 LB	146.002 LB	146.002 LB	
ACETALDEHYDE (r) (fs)	404 LB	352.590 LB	352.590 LB	
ACROLEIN (r) (fs)	75 LB	.770 LB	.770 LB	
ARSENIC (c) (fs)	.21 LB	.017 LB	.017 LB	
BENZENE (r) (fs)	114 LB	12.050 LB	12.050 LB	
BENZO(JK)FLE (c)	12 LB	.127 LB	.127 LB	
BERYLLIUM (c) (fs)	.37 LB	.285 LB	.285 LB	
CADMIUM (r) (fs)	.49 LB	.210 LB	.210 LB	
CHLOROFORM (r) (fs)	38.6 LB	.130 LB	.130 LB	
CHROMIUM MET (r) (fs)	118 LB	10.950 LB	10.950 LB	

CHROMIUMVI I (r) (fs)	.07 LB	.660 LB	.660 LB
COBALT (r) (fs)	4.71 LB	.080 LB	.080 LB
COPPER (c) (s)	235 LB	1.022 LB	1.022 LB
FORMALDEHYDE (r) (fs)	68.3 LB	54.750 LB	54.750 LB
H2SO4 (r) (s)	235 LB	766.510 LB	766.510 LB
HYDROGEN SUL (r) (s)	3279 LB	124.100 LB	124.100 LB
HYDROGENCHLO (c) (fs)	1777 LB	.080 LB	.080 LB
LEAD CMP (c) (f)	400 LB	3.971 LB	3.971 LB
MANGANESE (r) (fs)	47.1 LB	10.950 LB	10.950 LB
MERCURY ALL (c) (fs)	5.88 LB	.011 LB	.011 LB
METHANOL (r) (f)	6000 LB	292.000 LB	292.000 LB
NICKEL CMP (r) (fs)	3.42 LB	3.470 LB	3.470 LB
PERC (r) (fs)	151 LB	9.490 LB	9.490 LB
PHOSPHORUS (r) (fs)	23.8 LB	62.050 LB	62.050 LB
SULFUR (TRS) (r)	10000 LB	686.210 LB	686.210 LB

--INCOMING STREAMS--

TPUT --> P12A-01

--OUTGOING STREAMS--

P12A-01 ---(100%)---> C13-01

C13-01 ---(100%)---> S12-01 ---(100%)---> OUT

P13 **Boiler/Furnace** **Drying Equipment**

DEVICE DESC: NO. 13 PAPER MACHINE
CONSTR DATE: 01/13/1985
DEVICE COMMENTS: No. 13 Paper Machine Drier
MAX RATED CAPACITY: MMBTU/HR

P13, Process 01 **Generic Throughput Process**

PROCESS NAME: PM 13 - NATURAL GAS BURNER
SCC CODE: 30790003
PROCESS COMMENTS:
SCHEDULE: 24 Hrs/Day 7 Dys/Wk 329 Dys/Yr
QTRLY SCHEDULE: Q1: 36% Q2: 10% Q3: 36% Q4: 18%
ANNUAL TPUT: .33 MMCF of Natural Gas
AVG TPUT: .04179 E3 FT3/H
MAX TPUT: 2 E3 FT3/H

--EMISSION FACTORS--

POLLUTANT	VALUE / UNIT	ORIGIN
CO	35.6 LB / MMCF	DNR
CO2	117823 LB / MMCF	EPA
NOX	140 LB / MMCF	EPA
ROG	2.8 LB / MMCF	EPA
SO2	.6 LB / MMCF	EPA

--EMISSIONS / YR--

POLLUTANT	NR438_THRESH	UNCNTRLD	CNTRLD	OZONE/DY
CO (c)	10000 LB	11.748 LB	11.748 LB	
NOX (c)	10000 LB	46.200 LB	46.200 LB	.183 LB
ROG (c)	6000 LB	.924 LB	.924 LB	.004 LB
SO2 (c)	10000 LB	.198 LB	.198 LB	
CO2 (c)	200000000 LB	38,881.590 LB	38,881.590 LB	

--INCOMING STREAMS--

TPUT --> P13-01

--OUTGOING STREAMS--

P13-01 ---(100%)---> S13-01 ---(100%)---> OUT

P13A **Miscellaneous** **Paper Machine**

DEVICE DESC: 13 Paper Machine
CONSTR DATE:
DEVICE COMMENTS:

P13A, Process 01 **Generic Throughput Process**

PROCESS NAME: PULP AD
SCC CODE: 30700401
PROCESS COMMENTS:
SCHEDULE: 24 Hrs/Day 7 Dys/Wk 329 Dys/Yr
QTRLY SCHEDULE: Q1: 25% Q2: 25% Q3: 25% Q4: 25%
ANNUAL TPUT: 60010.07 TON of PRODUCT - PAPER
AVG TPUT: 7.60006 TON/HR
MAX TPUT: 9.2 TON/HR

--EMISSION FACTORS--

POLLUTANT	VALUE / UNIT	ORIGIN
PM	.08 LB / TON	DNR
PM10	.08 LB / TON	DNR
ROG	.069 LB / TON	DNR

--EMISSIONS / YR--

POLLUTANT	NR438_THRESH	UNCNTRLD	CNTRLD	OZONE/DY
PM (c)	10000 LB	4,800.806 LB	4,800.806 LB	
PM10 (c)	10000 LB	4,800.806 LB	4,800.806 LB	
ROG (c)	6000 LB	4,140.695 LB	4,140.695 LB	11.376 LB
ACETALDEHYDE (r) (fs)	404 LB	300.050 LB	300.050 LB	
ACROLEIN (r) (fs)	75 LB	96.020 LB	96.020 LB	
BENZENE (r) (fs)	114 LB	23.400 LB	23.400 LB	
FORMALDEHYDE (r) (fs)	68.3 LB	288.050 LB	288.050 LB	
METHANOL (r) (f)	6000 LB	3,000.500 LB	3,000.500 LB	
PERC (r) (fs)	151 LB	240.040 LB	240.040 LB	
SULFUR (TRS) (r)	10000 LB	300.050 LB	300.050 LB	

--INCOMING STREAMS--

TPUT --> P13A-01

--OUTGOING STREAMS--

P13A-01 ---(100%)---> S13-01 ---(100%)---> OUT

P13A, Process 02 **Generic Throughput Process**

PROCESS NAME: 13 PAPER MACHINE COATER
SCC CODE: 30700401
PROCESS COMMENTS:
SCHEDULE: 24 Hrs/Day 7 Dys/Wk 329 Dys/Yr
QTRLY SCHEDULE: Q1: 25% Q2: 25% Q3: 25% Q4: 25%
ANNUAL TPUT: 2117 LB of PRODUCT - PAPER
AVG TPUT: .26811 LB/HR
MAX TPUT: 5 LB/HR

--EMISSION FACTORS--

POLLUTANT	VALUE / UNIT	ORIGIN

ROG	1 LB / LB	DNR		

--EMISSIONS / YR--

POLLUTANT	NR438_THRESH	UNCNTRLD	CNTRLD	OZONE/DY
ROG (r)	6000 LB	2,117.000 LB	2,117.000 LB	5.816 LB

--INCOMING STREAMS--

TPUT --> P13A-02

--OUTGOING STREAMS--

P13A-02 ---(100%)---> S13-01 ---(100%)---> OUT

P13A, Process 03	**Generic Throughput Process**			
PROCESS NAME:	13 PM WET END ADDITIVES			
SCC CODE:	30700401			
PROCESS COMMENTS:				
SCHEDULE:	24 Hrs/Day	7 Dys/Wk	329 Dys/Yr	
QTRLY SCHEDULE:	Q1: 25%	Q2: 25%	Q3: 25%	Q4: 25%
ANNUAL TPUT:	97 LB	of PRODUCT - PAPER		
AVG TPUT:	.01228 LB/HR			
MAX TPUT:	5 LB/HR			

--EMISSION FACTORS--

POLLUTANT	VALUE / UNIT	ORIGIN
ROG	1 LB / LB	DNR

--EMISSIONS / YR--

POLLUTANT	NR438_THRESH	UNCNTRLD	CNTRLD	OZONE/DY
ROG (r)	6000 LB	97.000 LB	97.000 LB	.266 LB

--INCOMING STREAMS--

TPUT --> P13A-03

--OUTGOING STREAMS--

P13A-03 (100%) --> OUT

P14 **Boiler/Furnace** **Boiler**

DEVICE DESC: NO 14 PAPER MACHINE
CONSTR DATE:
DEVICE COMMENTS:
MAX RATED CAPACITY: MMBTU/HR

P14, Process 01 **Generic Throughput Process**

PROCESS NAME: NAT GAS - PM 14 BURNER
SCC CODE: 30790003
PROCESS COMMENTS:
SCHEDULE: 24 Hrs/Day 7 Dys/Wk 0 Dys/Yr
QTRLY SCHEDULE: Q1: 25% Q2: 25% Q3: 25% Q4: 25%
ANNUAL TPUT: 0 MMCF of Natural Gas
AVG TPUT: 0 E3 FT3/H
MAX TPUT: 33 E3 FT3/H

--EMISSION FACTORS--

POLLUTANT	VALUE / UNIT	ORIGIN
CO	35.6 LB / MMCF	OTHR
CO2	117823 LB / MMCF	EPA
NOX	140 LB / MMCF	FIRE6.25
ROG	2.8 LB / MMCF	EPA
SO2	.6 LB / MMCF	FIRE6.23

--INCOMING STREAMS--

TPUT --> P14-01

--OUTGOING STREAMS--

P14-01 ---(100%)---> S14-01 ---(100%)---> OUT

P14A **Miscellaneous** **Paper Handling System**

DEVICE DESC:
CONSTR DATE:
DEVICE COMMENTS:

P14A, Process 01 **Generic Throughput Process**

PROCESS NAME: 14 PM PULP ADDITIVES
SCC CODE: 30700401
PROCESS COMMENTS:
SCHEDULE: 24 Hrs/Day 7 Dys/Wk 341 Dys/Yr
QTRLY SCHEDULE: Q1: 25% Q2: 25% Q3: 25% Q4: 25%
ANNUAL TPUT: 33068.86 TON of PRODUCT - PAPER
AVG TPUT: 4.04067 TON/HR
MAX TPUT: 6 TON/HR

--EMISSION FACTORS--

POLLUTANT	VALUE / UNIT	ORIGIN
PM	.08 LB / TON	DNR
PM10	.08 LB / TON	DNR
ROG	.069 LB / TON	DNR

--EMISSIONS / YR--

POLLUTANT	NR438_THRESH	UNCNTRLD	CNTRLD	OZONE/DY
PM (c)	10000 LB	2,645.509 LB	2,645.509 LB	
PM10 (c)	10000 LB	2,645.509 LB	2,645.509 LB	
ROG (c)	6000 LB	2,281.751 LB	2,281.751 LB	6.269 LB
ACETALDEHYDE (r) (fs)	404 LB	165.340 LB	165.340 LB	
ACROLEIN (r) (fs)	75 LB	52.910 LB	52.910 LB	
BENZENE (r) (fs)	114 LB	12.900 LB	12.900 LB	
FORMALDEHYDE (r) (fs)	68.3 LB	158.730 LB	158.730 LB	
METHANOL (r) (f)	6000 LB	1,653.440 LB	1,653.440 LB	
PERC (r) (fs)	151 LB	132.280 LB	132.280 LB	
SULFUR (TRS) (r)	10000 LB	165.340 LB	165.340 LB	

--INCOMING STREAMS--

TPUT --> P14A-01

--OUTGOING STREAMS--

P14A-01 ---(100%)---> S14-01 ---(100%)---> OUT

P14A, Process 02	**Generic Throughput Process**			
PROCESS NAME:	14 PAPER MACHINE COATER			
SCC CODE:	30700401			
PROCESS COMMENTS:				
SCHEDULE:	24 Hrs/Day	7 Dys/Wk	341 Dys/Yr	
QTRLY SCHEDULE:	Q1: 25%	Q2: 25%	Q3: 25%	Q4: 25%
ANNUAL TPUT:	4584 LB	of PRODUCT - PAPER		
AVG TPUT:	.56012 LB/HR			
MAX TPUT:	10 LB/HR			

--EMISSION FACTORS--

POLLUTANT	VALUE / UNIT	ORIGIN
ROG	1 LB / LB	DNR

--EMISSIONS / YR--

POLLUTANT	NR438_THRESH	UNCNTRLD	CNTRLD	OZONE/DY
ROG (r)	6000 LB	4,584.000 LB	4,584.000 LB	12.593 LB

--INCOMING STREAMS--

TPUT --> P14A-02

--OUTGOING STREAMS--

P14A-02 ---(100%)---> S14-01 ---(100%)---> OUT

P14A, Process 03	**Generic Throughput Process**			
PROCESS NAME:	14 PM WET END ADDITIVES			
SCC CODE:	30700401			
PROCESS COMMENTS:				
SCHEDULE:	24 Hrs/Day	7 Dys/Wk	341 Dys/Yr	
QTRLY SCHEDULE:	Q1: 25%	Q2: 25%	Q3: 25%	Q4: 25%
ANNUAL TPUT:	1266 LB	of PRODUCT - PAPER		
AVG TPUT:	.15469 LB/HR			
MAX TPUT:	8 LB/HR			

--EMISSION FACTORS--

POLLUTANT	VALUE / UNIT	ORIGIN
ROG	1 LB / LB	DNR

--EMISSIONS / YR--

POLLUTANT	NR438_THRESH	UNCNTRLD	CNTRLD	OZONE/DY
ROG (r)	6000 LB	1,266.000 LB	1,266.000 LB	3.478 LB

--INCOMING STREAMS--

TPUT --> P14A-03

--OUTGOING STREAMS--

P14A-03 ---(100%)---> S14-01 ---(100%)---> OUT

P15 **Boiler/Furnace** **Boiler**

DEVICE DESC: NO. 15 PAPER MACHINE. EI: NO. 15 PAPER MACHINE
CONSTR DATE: 01/01/1994
DEVICE COMMENTS:
MAX RATED CAPACITY: MMBTU/HR

P15, Process 02 **Generic Throughput Process**

PROCESS NAME: PM 15 - NATURAL GAS BURNER
SCC CODE: 30790003
PROCESS COMMENTS:
SCHEDULE: 24 Hrs/Day 7 Dys/Wk 310 Dys/Yr
QTRLY SCHEDULE: Q1: 25% Q2: 25% Q3: 25% Q4: 25%
ANNUAL TPUT: 1.3 MMCF of Natural Gas
AVG TPUT: .17473 E3 FT3/H
MAX TPUT: 2 E3 FT3/H

--EMISSION FACTORS--

POLLUTANT	VALUE / UNIT	ORIGIN
CO	35.6 LB / MMCF	FIRE
CO2	117823 LB / MMCF	EPA
NOX	140 LB / MMCF	EPA
ROG	2.8 LB / MMCF	EPA
SO2	.6 LB / MMCF	EPA

--EMISSIONS / YR--

POLLUTANT	NR438_THRESH	UNCNTRLD	CNTRLD	OZONE/DY
CO (c)	10000 LB	46.280 LB	46.280 LB	
NOX (c)	10000 LB	182.000 LB	182.000 LB	.500 LB
ROG (c)	6000 LB	3.640 LB	3.640 LB	.010 LB
SO2 (c)	10000 LB	.780 LB	.780 LB	
CO2 (r)	200000000 LB	139,680.000 LB	139,680.000 LB	

--INCOMING STREAMS--

TPUT --> P15-02

--OUTGOING STREAMS--

P15-02 ---(100%)---> S15-01 ---(100%)---> OUT

P15A **Miscellaneous** **Paper Handling System**

DEVICE DESC:
CONSTR DATE:
DEVICE COMMENTS:

P15A, Process 01 **Generic Throughput Process**

PROCESS NAME: 15 PM PULP ADDITIVES
SCC CODE: 30700401
PROCESS COMMENTS:
SCHEDULE: 24 Hrs/Day 7 Dys/Wk 310 Dys/Yr
QTRLY SCHEDULE: Q1: 25% Q2: 25% Q3: 25% Q4: 25%
ANNUAL TPUT: 70828.89 TON of PRODUCT - PAPER
AVG TPUT: 9.52001 TON/HR
MAX TPUT: 10 TON/HR

--EMISSION FACTORS--

POLLUTANT	VALUE / UNIT	ORIGIN
PM	.08 LB / TON	DNR
PM10	.08 LB / TON	DNR
ROG	.069 LB / TON	DNR

--EMISSIONS / YR--

POLLUTANT	NR438_THRESH	UNCNTRLD	CNTRLD	OZONE/DY
PM (c)	10000 LB	5,666.311 LB	5,666.311 LB	
PM10 (c)	10000 LB	5,666.311 LB	5,666.311 LB	
ROG (c)	6000 LB	4,887.193 LB	4,887.193 LB	13.426 LB
ACETALDEHYDE (r) (fs)	404 LB	354.140 LB	354.140 LB	
ACROLEIN (r) (fs)	75 LB	113.330 LB	113.330 LB	
BENZENE (r) (fs)	114 LB	27.620 LB	27.620 LB	
FORMALDEHYDE (r) (fs)	68.3 LB	339.980 LB	339.980 LB	
METHANOL (r) (f)	6000 LB	3,541.440 LB	3,541.440 LB	
PERC (r) (fs)	151 LB	283.320 LB	283.320 LB	
SULFUR (TRS) (r)	10000 LB	354.140 LB	354.140 LB	

--INCOMING STREAMS--

TPUT --> P15A-01

--OUTGOING STREAMS--

P15A-01 ---(100%)---> S15-01 ---(100%)---> OUT

P15A, Process 02 **Generic Throughput Process**

PROCESS NAME: MACHINE COATER
SCC CODE: 30700401
PROCESS COMMENTS:
SCHEDULE: 24 Hrs/Day 7 Dys/Wk 310 Dys/Yr
QTRLY SCHEDULE: Q1: 25% Q2: 25% Q3: 25% Q4: 25%
ANNUAL TPUT: 9629 LB of PRODUCT - PAPER
AVG TPUT: 1.29422 LB/HR
MAX TPUT: 5 LB/HR

--EMISSION FACTORS--

POLLUTANT	VALUE / UNIT	ORIGIN

ROG	1 LB / LB	DNR		

--EMISSIONS / YR--

POLLUTANT	NR438_THRESH	UNCNTRLD	CNTRLD	OZONE/DY
ROG (r)	6000 LB	9,629.000 LB	9,629.000 LB	26.453 LB

--INCOMING STREAMS--

TPUT --> P15A-02

--OUTGOING STREAMS--

P15A-02 (100%) --> OUT

P15A, Process 03	**Generic Throughput Process**			
PROCESS NAME:	15 PM WET END ADDITIVE			
SCC CODE:	30700401			
PROCESS COMMENTS:				
SCHEDULE:	24 Hrs/Day	7 Dys/Wk	310 Dys/Yr	
QTRLY SCHEDULE:	Q1: 25%	Q2: 25%	Q3: 25%	Q4: 25%
ANNUAL TPUT:	1837 LB	of PRODUCT - PAPER		
AVG TPUT:	.24691 LB/HR			
MAX TPUT:	5 LB/HR			

--EMISSION FACTORS--

POLLUTANT	VALUE / UNIT	ORIGIN
ROG	1 LB / LB	DNR

--EMISSIONS / YR--

POLLUTANT	NR438_THRESH	UNCNTRLD	CNTRLD	OZONE/DY
ROG (r)	6000 LB	1,837.000 LB	1,837.000 LB	5.047 LB

--INCOMING STREAMS--

TPUT --> P15A-03

--OUTGOING STREAMS--

P15A-03 (100%) --> OUT

P16	**Miscellaneous**	**Paper Machine**
DEVICE DESC:	NO.S 10 AND 12 PAPER MACHINES	
CONSTR DATE:	01/01/1969	
DEVICE COMMENTS:		

P16, Process 01	**Generic Throughput Process**
PROCESS NAME:	12 PAPER MACHINE

SCC CODE: 30700401
PROCESS COMMENTS:
SCHEDULE: 24 Hrs/Day 7 Dys/Wk 330 Dys/Yr
QTRLY SCHEDULE: Q1: 25% Q2: 25% Q3: 25% Q4: 25%
ANNUAL TPUT: 45535.69 TON of PRODUCT - PAPER
AVG TPUT: 5.74946 TON/HR
MAX TPUT: 10 TON/HR

--EMISSION FACTORS--

POLLUTANT	VALUE / UNIT	ORIGIN
PM	.08 LB / TON	DNR
PM10	.08 LB / TON	DNR
ROG	.069 LB / TON	DNR

--EMISSIONS / YR--

POLLUTANT	NR438_THRESH	UNCNTRLD	CNTRLD	OZONE/DY
PM (c)	10000 LB	3,642.855 LB	3,642.855 LB	
PM10 (c)	10000 LB	3,642.855 LB	3,642.855 LB	
ROG (c)	6000 LB	3,141.963 LB	3,141.963 LB	8.632 LB
ACETALDEHYDE (r) (fs)	404 LB	227.680 LB	227.680 LB	
ACROLEIN (r) (fs)	75 LB	72.860 LB	72.860 LB	
BENZENE (r) (fs)	114 LB	17.760 LB	17.760 LB	
FORMALDEHYDE (r) (fs)	68.3 LB	218.570 LB	218.570 LB	
METHANOL (r) (f)	6000 LB	2,276.780 LB	2,276.780 LB	
PERC (r) (fs)	151 LB	182.140 LB	182.140 LB	
SULFUR (TRS) (r)	10000 LB	227.680 LB	227.680 LB	

--INCOMING STREAMS--

TPUT --> P16-01

--OUTGOING STREAMS--

P16-01 ---(100%)---> S16-01 ---(100%)---> OUT

P16, Process 02 **Generic Throughput Process**

PROCESS NAME: 12 PM WET END ADDITIVES
SCC CODE: 30700401
PROCESS COMMENTS:
SCHEDULE: 24 Hrs/Day 7 Dys/Wk 330 Dys/Yr
QTRLY SCHEDULE: Q1: 25% Q2: 25% Q3: 25% Q4: 25%
ANNUAL TPUT: 465 LB of PRODUCT - PAPER
AVG TPUT: .05871 LB/HR
MAX TPUT: 2 LB/HR

--EMISSION FACTORS--

POLLUTANT	VALUE / UNIT	ORIGIN
ROG	1 LB / LB	OTHR

--EMISSIONS / YR--

POLLUTANT	NR438_THRESH	UNCNTRLD	CNTRLD	OZONE/DY
ROG (r)	6000 LB	465.000 LB	465.000 LB	1.277 LB

--INCOMING STREAMS--

TPUT --> P16-02

--OUTGOING STREAMS--

P16-02 ---(100%)---> S16-01 ---(100%)---> OUT

P17 **Miscellaneous** **Reactor**

DEVICE DESC: DIGESTER/EVAPORATOR/TURPENTINE NONCONDENSIBLE GAS COLLECTION SYSTEM. EI: DIGESTER, EVAPORATOR, TURPENTINE CONDENSER NCG SYS

CONSTR DATE: 01/01/1991

DEVICE COMMENTS:

P17, Process 00 **Generic Throughput Process**

PROCESS NAME: THRUPUT IS TON EQUIV. PULP AD

SCC CODE: 30700107

PROCESS COMMENTS: NCG emissions are stated in equivalent Tons of Air Dry Pulp basis.

SCHEDULE: 24 Hrs/Day 7 Dys/Wk 1 Dys/Yr

QTRLY SCHEDULE: Q1: 25% Q2: 25% Q3: 25% Q4: 25%

ANNUAL TPUT: 649.33 TON of PRODUCT - PAPER

AVG TPUT: 27.05542 TON/HR

MAX TPUT: 28 TON/HR

--EMISSION FACTORS--

POLLUTANT	VALUE / UNIT	ORIGIN
METH ETH KET	.009 LB / TON	EPA
METHANOL	.62 LB / TON	DNR
ROG	.71 LB / TON	DNR

--EMISSIONS / YR--

POLLUTANT	NR438_THRESH	UNCNTRLD	CNTRLD	OZONE/DY
ROG (c)	6000 LB	461.024 LB	461.024 LB	1.267 LB
ACETALDEHYDE (r) (fs)	404 LB	2.430 LB	2.430 LB	
ACROLEIN (r) (fs)	75 LB	4.400 LB	4.400 LB	
CARBON TETRA (r) (fs)	59.2 LB	1.470 LB	1.470 LB	
CHLOROFORM (r) (fs)	38.6 LB	7.020 LB	7.020 LB	
HYDROSULNB (r) (s)	3279 LB	236.210 LB	236.210 LB	
METH ETH KET (c)	6000 LB	5.844 LB	5.844 LB	
METHANOL (r) (f)	6000 LB	210.670 LB	210.670 LB	
SULFUR (TRS) (r)	10000 LB	1,596.000 LB	1,596.000 LB	

--INCOMING STREAMS--

TPUT --> P17-00

--OUTGOING STREAMS--

P17-00 ---(100%)---> S17-01 ---(100%)---> OUT

P18 **Miscellaneous** **Cooling Tower**

DEVICE DESC: PAPER MACHINE COOLING TOWER
CONSTR DATE: 07/07/2005
DEVICE COMMENTS:

P18, Process 01 **Generic Throughput Process**

PROCESS NAME: Paper Machine Cooling Tower
SCC CODE: 30700807
PROCESS COMMENTS:
SCHEDULE: 24 Hrs/Day 7 Dys/Wk 197 Dys/Yr
QTRLY SCHEDULE: Q1: 0% Q2: 15% Q3: 63% Q4: 22%
ANNUAL TPUT: 4704 HR of PRODUCT - WOOD
AVG TPUT: .99492 HR/HR
MAX TPUT: 1.002 HR/HR

--EMISSION FACTORS--

POLLUTANT	VALUE / UNIT	ORIGIN
PM	.005 LB / HR	EPA
PM10	.005 LB / HR	EPA
ROG	.008 LB / HR	OTHR

--EMISSIONS / YR--

POLLUTANT	NR438_THRESH	UNCNTRLD	CNTRLD	OZONE/DY
PM (r)	10000 LB	23.520 LB	23.520 LB	
PM10 (r)	10000 LB	23.520 LB	23.520 LB	
ROG (r)	6000 LB	37.630 LB	37.630 LB	.261 LB
CHLOROFORM (r) (fs)	38.6 LB	37.630 LB	37.630 LB	

--INCOMING STREAMS--

TPUT --> P18-01

--OUTGOING STREAMS--

P18-01 ---(100%)---> S18-01 ---(100%)---> OUT

P19 **Miscellaneous** **Reactor**

DEVICE DESC: SLAKER AND CAUSTICIZING TANKS EI: SLAKER, CAUSTICIZING TANKS
CONSTR DATE: 01/01/1986
DEVICE COMMENTS: EI: UNITS ARE TONS OF CALCUIM OXIDE (CAO)

P19, Process 00 **Generic Throughput Process**

PROCESS NAME: THRUPUT IS TON CAO FEED
SCC CODE: 30700199

PROCESS COMMENTS: Units are tons of Calcium Oxide processed.
SCHEDULE: 24 Hrs/Day 7 Dys/Wk 358 Dys/Yr
QTRLY SCHEDULE: Q1: 25% Q2: 25% Q3: 25% Q4: 25%
ANNUAL TPUT: 36500.4 TON of PRODUCT - PAPER
AVG TPUT: 4.24818 TON/HR
MAX TPUT: 5.625 TON/HR

--EMISSION FACTORS--

POLLUTANT	VALUE / UNIT	ORIGIN
ACETALDEHYDE	.000014 LB / TON	EPA
BENZENE	.000182 LB / TON	EPA
CARBON TETRA	.000814 LB / TON	EPA
CHLORINE	.00000214 LB / TON	EPA
CHLOROFORM	.0185 LB / TON	EPA
DIBROMOET,12	.000402 LB / TON	EPA
FORMALDEHYDE	.00645 LB / TON	EPA
METH ETH KET	.003 LB / TON	EPA
METHANOL	.00169 LB / TON	EPA
METHYLENE CL	.000138 LB / TON	EPA
PM	.048 LB / TON	STK
PM10	.048 LB / TON	DNR
ROG	.195 LB / TON	DNR

--EMISSIONS / YR--

POLLUTANT	NR438_THRESH	UNCNTRLD	CNTRLD	OZONE/DY
PM (c)	10000 LB	1,752.019 LB	1,752.019 LB	
PM10 (c)	10000 LB	1,752.019 LB	1,752.019 LB	
ROG (r)	6000 LB	9,934.970 LB	9,934.970 LB	27.294 LB
ACETALDEHYDE (r) (fs)	404 LB	264.470 LB	264.470 LB	
ACROLEIN (r) (fs)	75 LB	4.170 LB	4.170 LB	
AMMONIA (r) (s)	4097 LB	730.010 LB	730.010 LB	
BENZENE (r) (fs)	114 LB	3.460 LB	3.460 LB	
CARBON TETRA (c) (fs)	59.2 LB	29.711 LB	29.711 LB	
CHLORINE (c) (fs)	341 LB	.078 LB	.078 LB	
CHLOROFORM (r) (fs)	38.6 LB	2.080 LB	2.080 LB	
DIBROMOET,12 (c) (fs)	4.04 LB	14.673 LB	14.673 LB	
DICHLORETH12 (r) (fs)	34.2 LB	.080 LB	.080 LB	
FORMALDEHYDE (r) (fs)	68.3 LB	87.600 LB	87.600 LB	
HYDROSULNB (r) (s)	3279 LB	157.680 LB	157.680 LB	
METH ETH KET (c)	6000 LB	109.501 LB	109.501 LB	
METHANOL (r) (f)	6000 LB	9,420.010 LB	9,420.010 LB	
METHYLENE CL (c) (fs)	1890 LB	5.037 LB	5.037 LB	
PERC (r) (fs)	151 LB	1.320 LB	1.320 LB	
SULFUR (TRS) (r)	10000 LB	9,811.200 LB	9,811.200 LB	

--INCOMING STREAMS--

TPUT --> P19-00

--OUTGOING STREAMS--

P19-00 ---(100%)---> C20-01

C20-01 ---(100%)---> S19-01 ---(100%)---> OUT

P20 **Miscellaneous** **Screen**

DEVICE DESC: BROWN STOCK WASHER SYSTEM EI: BROWN STOCK WASHERS
CONSTR DATE: 01/01/1985
DEVICE COMMENTS:

P20, Process 00 **Generic Throughput Process**

PROCESS NAME: THRUPUT IS TON EQUIV. PULP AD
SCC CODE: 30700102
PROCESS COMMENTS: Units are Tons of Air Dry Pulp Processed
SCHEDULE: 24 Hrs/Day 7 Dys/Wk 357 Dys/Yr
QTRLY SCHEDULE: Q1: 25% Q2: 25% Q3: 25% Q4: 25%
ANNUAL TPUT: 171638 TON of PRODUCT - PAPER
AVG TPUT: 20.03245 TON/HR
MAX TPUT: 25 TON/HR

--EMISSION FACTORS--

POLLUTANT	VALUE / UNIT	ORIGIN
METH ETH KET	.027 LB / TON	EPA
ROG	.163 LB / TON	DNR
SO2	.01 LB / TON	EPA

--EMISSIONS / YR--

POLLUTANT	NR438_THRESH	UNCNTRLD	CNTRLD	OZONE/DY
ROG (m)	6000 LB	28,522.460 LB	28,522.460 LB	78.358 LB
SO2 (c)	10000 LB	1,716.380 LB	1,716.380 LB	
ACETALDEHYDE (r) (fs)	404 LB	369.920 LB	369.920 LB	
ACROLEIN (r) (fs)	75 LB	.330 LB	.330 LB	
BENZENE (r) (fs)	114 LB	.170 LB	.170 LB	
CARBON TETRA (r) (fs)	59.2 LB	4.600 LB	4.600 LB	
CHLOROFORM (r) (fs)	38.6 LB	1.720 LB	1.720 LB	
DICHLORETH12 (r) (fs)	34.2 LB	.510 LB	.510 LB	
FORMALDEHYDE (r) (fs)	68.3 LB	49.780 LB	49.780 LB	
HYDROGEN SUL (r) (s)	3279 LB	484.880 LB	484.880 LB	
METH ETH KET (c)	6000 LB	4,634.226 LB	4,634.226 LB	
METHANOL (r) (f)	6000 LB	23,461.200 LB	23,461.200 LB	
PERC (r) (fs)	151 LB	8.070 LB	8.070 LB	
SULFUR (TRS) (r)	10000 LB	1,745.050 LB	1,745.050 LB	

--INCOMING STREAMS--

TPUT --> P20-00

--OUTGOING STREAMS--

P20-00 ---(100%)---> S20-01 ---(100%)---> OUT

P21 **Miscellaneous** **Any Device**

DEVICE DESC: UNBLEACHED PULP SYSTEM. EI: PULP STORAGE
CONSTR DATE: 01/01/1984
DEVICE COMMENTS:

P21, Process 00 **Generic Throughput Process**

PROCESS NAME: THRUPUT IS TIME OF STORAGE
SCC CODE: 30700807
PROCESS COMMENTS: Thruput in Hours of storage
SCHEDULE: 24 Hrs/Day 7 Dys/Wk 365 Dys/Yr
QTRLY SCHEDULE: Q1: 25% Q2: 25% Q3: 25% Q4: 25%
ANNUAL TPUT: 8760 HR of PRODUCT - WOOD
AVG TPUT: 1 HR/HR
MAX TPUT: 3 HR/HR

--EMISSION FACTORS--

POLLUTANT	VALUE / UNIT	ORIGIN
PM	0 LB / HR	DNR
PM10	0 LB / HR	DNR
ROG	.96 LB / HR	MBAL

--EMISSIONS / YR--

POLLUTANT	NR438_THRESH	UNCNTRLD	CNTRLD	OZONE/DY
ROG (c)	6000 LB	8,409.600 LB	8,409.600 LB	23.103 LB
ACETALDEHYDE (r) (fs)	404 LB	12.790 LB	12.790 LB	
CHLOROFORM (r) (fs)	38.6 LB	.230 LB	.230 LB	
METHANOL (r) (f)	6000 LB	858.480 LB	858.480 LB	
SULFUR (TRS) (r)	10000 LB	735.840 LB	735.840 LB	

--INCOMING STREAMS--

TPUT --> P21-00

--OUTGOING STREAMS--

P21-00 ---(100%)---> S21-01 ---(100%)---> OUT

P22 **Miscellaneous** **Screen**

DEVICE DESC: DECKER
CONSTR DATE:
DEVICE COMMENTS:

P22, Process 01 **Generic Throughput Process**

PROCESS NAME: DECKER ^ WET LAP MACHINE

SCC CODE: 30700199
PROCESS COMMENTS:
SCHEDULE: 24 Hrs/Day 7 Dys/Wk 357 Dys/Yr
QTRLY SCHEDULE: Q1: 25% Q2: 25% Q3: 25% Q4: 25%
ANNUAL TPUT: 171638 TON of PRODUCT - PAPER
AVG TPUT: 20.03245 TON/HR
MAX TPUT: 25 TON/HR

--EMISSION FACTORS--

POLLUTANT	VALUE / UNIT	ORIGIN
ACETALDEHYDE	.000014 LB / TON	EPA
BENZENE	.000182 LB / TON	EPA
CARBON TETRA	.000814 LB / TON	EPA
CHLORINE	.00000214 LB / TON	EPA
CHLOROFORM	.0185 LB / TON	EPA
DIBROMOET,12	.000402 LB / TON	EPA
FORMALDEHYDE	.00645 LB / TON	EPA
METH ETH KET	.003 LB / TON	EPA
METHANOL	.00169 LB / TON	EPA
METHYLENE CL	.000138 LB / TON	EPA
ROG	.0219 LB / TON	DNR

--EMISSIONS / YR--

POLLUTANT	NR438_THRESH	UNCNTRLD	CNTRLD	OZONE/DY
ROG (c)	6000 LB	3,758.872 LB	3,758.872 LB	10.327 LB
ACETALDEHYDE (r) (fs)	404 LB	39.480 LB	39.480 LB	
ACROLEIN (r) (fs)	75 LB	1.390 LB	1.390 LB	
BENZENE (r) (fs)	114 LB	.100 LB	.100 LB	
CARBON TETRA (r) (fs)	59.2 LB	4.980 LB	4.980 LB	
CHLORINE (c) (fs)	341 LB	.367 LB	.367 LB	
CHLOROFORM (r) (fs)	38.6 LB	37.760 LB	37.760 LB	
DIBROMOET,12 (c) (fs)	4.04 LB	68.998 LB	68.998 LB	
FORMALDEHYDE (r) (fs)	68.3 LB	1.200 LB	1.200 LB	
METH ETH KET (c)	6000 LB	514.914 LB	514.914 LB	
METHANOL (r) (f)	6000 LB	600.730 LB	600.730 LB	
METHYLENE CL (c) (fs)	1890 LB	23.686 LB	23.686 LB	
PERC (r) (fs)	151 LB	7.040 LB	7.040 LB	
SULFUR (TRS) (r)	10000 LB	600.730 LB	600.730 LB	

--INCOMING STREAMS--

TPUT --> P22-01

--OUTGOING STREAMS--

P22-01 ---(100%)---> S22-01 ---(100%)---> OUT

P26A **Miscellaneous** **Any Device**

DEVICE DESC: Kraft Black Liquor tank flowage
CONSTR DATE:
DEVICE COMMENTS:

P26A, Process 00 **Generic Throughput Process**

PROCESS NAME: Black Liquor
SCC CODE: 30700807
PROCESS COMMENTS:
SCHEDULE: 24 Hrs/Day 7 Dys/Wk 357 Dys/Yr
QTRLY SCHEDULE: Q1: 25% Q2: 25% Q3: 25% Q4: 25%
ANNUAL TPUT: 8760 HR of PRODUCT - WOOD
AVG TPUT: 1.02241 HR/HR
MAX TPUT: 20 HR/HR

--EMISSION FACTORS--

POLLUTANT	VALUE / UNIT	ORIGIN
ROG	6.16 LB / HR	MBAL

--EMISSIONS / YR--

POLLUTANT	NR438_THRESH	UNCNTRLD	CNTRLD	OZONE/DY
ROG (c)	6000 LB	53,961.600 LB	53,961.600 LB	148.246 LB
ACETALDEHYDE (r) (fs)	404 LB	387.980 LB	387.980 LB	
ACROLEIN (r) (fs)	75 LB	5.330 LB	5.330 LB	
BENZENE (r) (fs)	114 LB	2.360 LB	2.360 LB	
CARBON TETRA (r) (fs)	59.2 LB	30.840 LB	30.840 LB	
CHLOROFORM (r) (fs)	38.6 LB	2.450 LB	2.450 LB	
DICHLETHY1,2 (r) (s)	6000 LB	6.550 LB	6.550 LB	
FORMALDEHYDE (r) (fs)	68.3 LB	8.760 LB	8.760 LB	
HYDROGEN SUL (r) (s)	3279 LB	2,823.890 LB	2,823.890 LB	
METHANOL (r) (f)	6000 LB	46,815.060 LB	46,815.060 LB	
PERC (r) (fs)	151 LB	1.640 LB	1.640 LB	
SULFUR (TRS) (r)	10000 LB	13,753.200 LB	13,753.200 LB	

--INCOMING STREAMS--

TPUT --> P26A-00

--OUTGOING STREAMS--

P26A-00 (100%) --> OUT

P27 **Miscellaneous** **Any Device**

DEVICE DESC: TURPENTINE STORAGE TANK AND TRANSFER OPERATION EI: TURPENTINE STORAGE ^ LOADING SYSTEM
CONSTR DATE: 01/01/1991
DEVICE COMMENTS:

P27, Process 00 **Tank breathing loss**

PROCESS NAME: THRUPUT IS GAL TRANSFERRED
PROCESS COMMENTS: Units are total gallons of turpentine transferred per year.

SCHEDULE:	24 Hrs/Day	7 Dys/Wk	365 Dys/Yr	
QTRLY SCHEDULE:	Q1: 25%	Q2: 25%	Q3: 25%	Q4: 25%
ANNUAL TPUT:	287868 GAL	of		
AVG TPUT:	32.86164 GAL/HR			
MAX TPUT:	1000 GAL/HR			

--EMISSIONS / YR--

POLLUTANT	NR438_THRESH	UNCNTRLD	CNTRLD	OZONE/DY
ROG (t)	6000 LB	1,751.110 LB	1,751.110 LB	4.811 LB

--INCOMING STREAMS--

TPUT --> P27-00

--OUTGOING STREAMS--

P27-00 (100%) --> OUT

P27, Process 01 **Loss of vapors from a tank due to inflow/outflow**

PROCESS NAME: Turpentine
PROCESS COMMENTS:

SCHEDULE:	24 Hrs/Day	7 Dys/Wk	358 Dys/Yr	
QTRLY SCHEDULE:	Q1: 25%	Q2: 25%	Q3: 25%	Q4: 25%
ANNUAL TPUT:	287868 GAL	of		
AVG TPUT:	33.50419 GAL/HR			
MAX TPUT:	50 GAL/HR			

--INCOMING STREAMS--

TPUT --> P27-01

--OUTGOING STREAMS--

P27-01 (100%) --> OUT

P39 **Miscellaneous** **Any Device**

DEVICE DESC: FACILITY WIDE PROCESS WASTEWATER (INCLUDING STORMWATER FROM PAVED MILL AREAS) IS COLLECTED AND TREATED BY PHYSICAL AND BIOLOGICAL PROCESSES PRIOR TO DISCHARGE. EI: WASTEWATER COLLECTION AND TREATMENT SYSTEM
CONSTR DATE: 01/01/1976
DEVICE COMMENTS:

P39, Process 01	**Generic Throughput Process**			
PROCESS NAME:	WASTEWATER COLLECTION AND TREATMENT			
SCC CODE:	30700203			
PROCESS COMMENTS:				
SCHEDULE:	24 Hrs/Day	7 Dys/Wk	365 Dys/Yr	
QTRLY SCHEDULE:	Q1: 25%	Q2: 25%	Q3: 25%	Q4: 25%
ANNUAL TPUT:	171395.99 TON	of PRODUCT - PAPER		
AVG TPUT:	19.56575 TON/HR			
MAX TPUT:	25 TON/HR			

--EMISSION FACTORS--

POLLUTANT	VALUE / UNIT	ORIGIN
ROG	.6725 LB / TON	OTHR
SO2	0 LB / TON	DNR

--EMISSIONS / YR--

POLLUTANT	NR438_THRESH	UNCNTRLD	CNTRLD	OZONE/DY
ROG (c)	6000 LB	115,263.803 LB	115,263.803 LB	316.659 LB
ACETALDEHYDE (r) (fs)	404 LB	3,269.300 LB	3,269.300 LB	
HYDROSULNB (r) (s)	3279 LB	1,581.830 LB	1,581.830 LB	
METHANOL (r) (f)	6000 LB	66,249.810 LB	66,249.810 LB	
SULFUR (TRS) (r)	10000 LB	15,829.940 LB	15,829.940 LB	

--INCOMING STREAMS--

TPUT --> P39-01

--OUTGOING STREAMS--

P39-01 (100%) --> OUT

P39, Process 02	**Generic Throughput Process**			
PROCESS NAME:	24" FIBERGLASS PULP SEWER VENT			
SCC CODE:	30700203			
PROCESS COMMENTS:				
SCHEDULE:	24 Hrs/Day	7 Dys/Wk	365 Dys/Yr	
QTRLY SCHEDULE:	Q1: 25%	Q2: 25%	Q3: 25%	Q4: 25%
ANNUAL TPUT:	171395.99 TON	of PRODUCT - PAPER		

AVG TPUT: 19.56575 TON/HR
MAX TPUT: 25 TON/HR

--EMISSION FACTORS--

POLLUTANT	VALUE / UNIT	ORIGIN
ROG	.29 LB / TON	DNR
SO2	0 LB / TON	DNR

--EMISSIONS / YR--

POLLUTANT	NR438_THRESH	UNCNTRLD	CNTRLD	OZONE/DY
ROG (c)	6000 LB	49,704.837 LB	49,704.837 LB	136.552 LB
HYDROSULNB (r) (s)	3279 LB	1,621.980 LB	1,621.980 LB	
METHANOL (r) (f)	6000 LB	49,775.020 LB	49,775.020 LB	
SULFUR (TRS) (r)	10000 LB	21,454.750 LB	21,454.750 LB	

--INCOMING STREAMS--

TPUT --> P39-02

--OUTGOING STREAMS--

P39-02 ---(100%)---> S28-01 ---(100%)---> OUT

P39, Process 03	**Generic Throughput Process**			
PROCESS NAME:	PULP MILL SEWER VENT			
SCC CODE:	30700203			
PROCESS COMMENTS:				
SCHEDULE:	24 Hrs/Day	7 Dys/Wk	365 Dys/Yr	
QTRLY SCHEDULE:	Q1: 25%	Q2: 25%	Q3: 25%	Q4: 25%
ANNUAL TPUT:	171395.99 TON	of PRODUCT - PAPER		
AVG TPUT:	19.56575 TON/HR			
MAX TPUT:	25 TON/HR			

--EMISSION FACTORS--

POLLUTANT	VALUE / UNIT	ORIGIN
ROG	.0584 LB / TON	DNR
SO2	0 LB / TON	DNR

--EMISSIONS / YR--

POLLUTANT	NR438_THRESH	UNCNTRLD	CNTRLD	OZONE/DY
ROG (c)	6000 LB	10,009.526 LB	10,009.526 LB	27.499 LB
HYDROSULNB (r) (s)	3279 LB	2,183.810 LB	2,183.810 LB	
METHANOL (r) (f)	6000 LB	9,927.700 LB	9,927.700 LB	
SULFUR (TRS) (r)	10000 LB	40,321.070 LB	40,321.070 LB	

--INCOMING STREAMS--

TPUT --> P39-03

--OUTGOING STREAMS--

P39-03 ---(100%)---> S29-01 ---(100%)---> OUT

P39A **Miscellaneous** **Cooling Tower**

DEVICE DESC:
CONSTR DATE:
DEVICE COMMENTS:

P39A, Process 01 **Generic Throughput Process**

PROCESS NAME: WASTE WATER COOLING TOWER
SCC CODE: 30700807
PROCESS COMMENTS:
SCHEDULE: 24 Hrs/Day 7 Dys/Wk 130 Dys/Yr
QTRLY SCHEDULE: Q1: 0% Q2: 30% Q3: 70% Q4: 0%
ANNUAL TPUT: 3096 HR of PRODUCT - WOOD
AVG TPUT: .99231 HR/HR
MAX TPUT: 1 HR/HR

--EMISSION FACTORS--

POLLUTANT	VALUE / UNIT	ORIGIN
PM	0 LB / HR	EPA
PM10	0 LB / HR	EPA

--EMISSIONS / YR--

POLLUTANT	NR438_THRESH	UNCNTRLD	CNTRLD	OZONE/DY
PM (r)	10000 LB	985.150 LB	985.150 LB	
PM10 (r)	10000 LB	984.530 LB	984.530 LB	
ROG (r)	6000 LB	408.670 LB	408.670 LB	3.144 LB
CHLOROFORM (r) (fs)	38.6 LB	408.670 LB	408.670 LB	

--INCOMING STREAMS--

TPUT --> P39A-01

--OUTGOING STREAMS--

P39A-01 (100%) --> OUT

P45 **Miscellaneous** **Any Device**

DEVICE DESC: No.13 Paper Machine Coater EI: LOG STORAGE, CHIPPING, CONVEYING, SCREENING SYSTEM
CONSTR DATE: 01/01/1987
DEVICE COMMENTS: EI: UNITS IN TONS OF CHIPS PROCESSED

P45, Process 00 **Generic Throughput Process**

PROCESS NAME: THRUPUT IS TON WOOD CHIPS HANDLED
SCC CODE: 30700801
PROCESS COMMENTS: Units in tons of chips handled
SCHEDULE: 24 Hrs/Day 7 Dys/Wk 360 Dys/Yr
QTRLY SCHEDULE: Q1: 25% Q2: 25% Q3: 25% Q4: 25%
ANNUAL TPUT: 239194 TON of PRODUCT - WOOD
AVG TPUT: 27.68449 TON/HR
MAX TPUT: 90.2 TON/HR

--EMISSION FACTORS--

POLLUTANT	VALUE / UNIT	ORIGIN
PM	.000206 LB / TON	DNR
PM10	.0001 LB / TON	DNR
ROG	.0931 LB / TON	DNR

--EMISSIONS / YR--

POLLUTANT	NR438_THRESH	UNCNTRLD	CNTRLD	OZONE/DY
PM (c)	10000 LB	49.274 LB	49.274 LB	
PM10 (c)	10000 LB	23.919 LB	23.919 LB	
ROG (c)	6000 LB	22,268.961 LB	22,268.961 LB	61.178 LB

--INCOMING STREAMS--

TPUT --> P45-00

--OUTGOING STREAMS--

P45-00 (100%) --> OUT

P45, Process 01 **Generic Throughput Process**

PROCESS NAME: LOG HANDLING
SCC CODE: 30700801
PROCESS COMMENTS:
SCHEDULE: 24 Hrs/Day 7 Dys/Wk 360 Dys/Yr
QTRLY SCHEDULE: Q1: 25% Q2: 25% Q3: 25% Q4: 25%
ANNUAL TPUT: 404828 TON of PRODUCT - WOOD
AVG TPUT: 46.85509 TON/HR
MAX TPUT: 80 TON/HR

--EMISSION FACTORS--

POLLUTANT	VALUE / UNIT	ORIGIN
PM	.00365 LB / TON	DNR
PM10	.00365 LB / TON	EPA

--EMISSIONS / YR--

POLLUTANT	NR438_THRESH	UNCNTRLD	CNTRLD	OZONE/DY
PM (c)	10000 LB	1,477.622 LB	1,477.622 LB	
PM10 (c)	10000 LB	1,477.622 LB	1,477.622 LB	

--INCOMING STREAMS--

TPUT --> P45-01

--OUTGOING STREAMS--

P45-01 (100%) --> OUT

P49 **Miscellaneous** **Vehicle**

DEVICE DESC: VEHICLE TRAFFIC ON VARIOUS PAVED & UNPAVED ROADS THROUGHOUT FACILITY EI: MILLWIDE HAUL ROADS

CONSTR DATE: 01/13/1983

DEVICE COMMENTS: EI: DATE OF INSTALLATION: 1883.

P49, Process 00 **Generic Throughput Process**

PROCESS NAME: UNPAVED ROADS

SCC CODE: 30502133

PROCESS COMMENTS: Fugitive dust emissions from unpaved haul roads.

SCHEDULE: 24 Hrs/Day 7 Dys/Wk 365 Dys/Yr

QTRLY SCHEDULE: Q1: 25% Q2: 25% Q3: 25% Q4: 25%

ANNUAL TPUT: 6268 VMT of PRODUCT - MINERALS

AVG TPUT: .71553 VMT/HR

MAX TPUT: 11.4 VMT/HR

--EMISSION FACTORS--

POLLUTANT	VALUE / UNIT	ORIGIN
PM	16.2 LB / VMT	DNR
PM10	3.62 LB / VMT	DNR

--EMISSIONS / YR--

POLLUTANT	NR438_THRESH	UNCNTRLD	CNTRLD	OZONE/DY
PM (c)	10000 LB	101,541.600 LB	101,541.600 LB	
PM10 (c)	10000 LB	22,690.160 LB	22,690.160 LB	

--INCOMING STREAMS--

TPUT --> P49-00

--OUTGOING STREAMS--

P49-00 (100%) --> OUT

P49, Process 02 **Generic Throughput Process**

PROCESS NAME: PAVED ROADS

SCC CODE: 30502134

PROCESS COMMENTS: Fugitive dust emissions from paved haul roads.
SCHEDULE: 24 Hrs/Day 7 Dys/Wk 365 Dys/Yr
QTRLY SCHEDULE: Q1: 25% Q2: 25% Q3: 25% Q4: 25%
ANNUAL TPUT: 3887 VMT of PRODUCT - MINERALS
AVG TPUT: .44372 VMT/HR
MAX TPUT: 10 VMT/HR

--EMISSION FACTORS--

POLLUTANT	VALUE / UNIT	ORIGIN
PM	1.08 LB / VMT	DNR
PM10	.21 LB / VMT	DNR

--EMISSIONS / YR--

POLLUTANT	NR438_THRESH	UNCNTRLD	CNTRLD	OZONE/DY
PM (c)	10000 LB	4,197.960 LB	4,197.960 LB	
PM10 (c)	10000 LB	816.270 LB	816.270 LB	

--INCOMING STREAMS--

TPUT --> P49-02

--OUTGOING STREAMS--

P49-02 (100%) --> OUT

P50 **Miscellaneous** **Any Device**
DEVICE DESC: INDUSTRIAL LANDFILL EI: LANDFILL
CONSTR DATE: 01/01/1994
DEVICE COMMENTS:

P50, Process 00 **Generic Throughput Process**
PROCESS NAME: VOC
SCC CODE: 30700199
PROCESS COMMENTS: Throughput is VOC emissions
SCHEDULE: 24 Hrs/Day 7 Dys/Wk 365 Dys/Yr
QTRLY SCHEDULE: Q1: 25% Q2: 25% Q3: 25% Q4: 25%
ANNUAL TPUT: 2950 LB of PRODUCT - PAPER
AVG TPUT: .33676 LB/HR
MAX TPUT: 2 LB/HR

--EMISSION FACTORS--

POLLUTANT	VALUE / UNIT	ORIGIN
ACETALDEHYDE	.000014 LB / TON	EPA
BENZENE	.000182 LB / TON	EPA
CARBON TETRA	.000814 LB / TON	EPA
CHLORINE	.00000214 LB / TON	EPA
CHLOROFORM	.0185 LB / TON	EPA

DIBROMOET,12	.000402 LB / TON	EPA
FORMALDEHYDE	.00645 LB / TON	EPA
METH ETH KET	.003 LB / TON	EPA
METHANOL	.00169 LB / TON	EPA
METHYLENE CL	.000138 LB / TON	EPA
ROG	1 LB / LB	DNR

--EMISSIONS / YR--

POLLUTANT	NR438_THRESH	UNCNTRLD	CNTRLD	OZONE/DY
ROG (c)	6000 LB	2,950.000 LB	2,950.000 LB	8.104 LB
ACETALDEHYDE (c) (fs)	404 LB	.000 LB	.000 LB	
BENZENE (c) (fs)	114 LB	.000 LB	.000 LB	
CARBON TETRA (c) (fs)	59.2 LB	.001 LB	.001 LB	
CHLOROFORM (c) (fs)	38.6 LB	.027 LB	.027 LB	
DIBROMOET,12 (c) (fs)	4.04 LB	.001 LB	.001 LB	
FORMALDEHYDE (c) (fs)	68.3 LB	.010 LB	.010 LB	
METH ETH KET (c)	6000 LB	.004 LB	.004 LB	
METHANOL (c) (f)	6000 LB	.002 LB	.002 LB	
METHYLENE CL (c) (fs)	1890 LB	.000 LB	.000 LB	

--INCOMING STREAMS--

TPUT --> P50-00

--OUTGOING STREAMS--

P50-00 (100%) --> OUT

P50, Process 01	**Generic Throughput Process**			
PROCESS NAME:	PAVED ROAD			
SCC CODE:	30502134			
PROCESS COMMENTS:	SCC 2294015000			
SCHEDULE:	24 Hrs/Day	7 Dys/Wk	365 Dys/Yr	
QTRLY SCHEDULE:	Q1: 25%	Q2: 25%	Q3: 25%	Q4: 25%
ANNUAL TPUT:	4190 VMT	of PRODUCT - MINERALS		
AVG TPUT:	.47831 VMT/HR			
MAX TPUT:	20 VMT/HR			

--EMISSION FACTORS--

POLLUTANT	VALUE / UNIT	ORIGIN
PM	1.08 LB / VMT	DNR
PM10	.21 LB / VMT	DNR

--EMISSIONS / YR--

POLLUTANT	NR438_THRESH	UNCNTRLD	CNTRLD	OZONE/DY
PM (c)	10000 LB	4,525.200 LB	4,525.200 LB	
PM10 (c)	10000 LB	879.900 LB	879.900 LB	

--INCOMING STREAMS--

TPUT --> P50-01

--OUTGOING STREAMS--

P50-01 (100%) --> OUT

P50, Process 02	**Generic Throughput Process**			
PROCESS NAME:	UNPAVED			
SCC CODE:	30502133			
PROCESS COMMENTS:	SCC 2296000000			
SCHEDULE:	24 Hrs/Day	7 Dys/Wk	365 Dys/Yr	
QTRLY SCHEDULE:	Q1: 25%	Q2: 25%	Q3: 25%	Q4: 25%
ANNUAL TPUT:	10056 VMT	of PRODUCT - MINERALS		
AVG TPUT:	1.14795 VMT/HR			
MAX TPUT:	20 VMT/HR			

--EMISSION FACTORS--

POLLUTANT	VALUE / UNIT	ORIGIN
PM	16.2 LB / VMT	DNR
PM10	3.62 LB / VMT	DNR

--EMISSIONS / YR--

POLLUTANT	NR438_THRESH	UNCNTRLD	CNTRLD	OZONE/DY
PM (c)	10000 LB	162,907.200 LB	162,907.200 LB	
PM10 (c)	10000 LB	36,402.720 LB	36,402.720 LB	

--INCOMING STREAMS--

TPUT --> P50-02

--OUTGOING STREAMS--

P50-02 (100%) --> OUT

P51 **Miscellaneous** **Material Stockpile**

DEVICE DESC: BARK HANDLING
CONSTR DATE: 01/01/2001
DEVICE COMMENTS:

P51, Process 01 **Generic Throughput Process**

PROCESS NAME: BARK HANDLING
SCC CODE: 30200551
PROCESS COMMENTS:
SCHEDULE: 24 Hrs/Day 7 Dys/Wk 357 Dys/Yr
QTRLY SCHEDULE: Q1: 25% Q2: 25% Q3: 25% Q4: 25%
ANNUAL TPUT: 48308 TON of PRODUCT - AGRICULTURE
AVG TPUT: 5.63819 TON/HR
MAX TPUT: 50 TON/HR

--EMISSION FACTORS--

POLLUTANT	VALUE / UNIT	ORIGIN
PM	.0001 LB / TON	DNR
PM10	.0001 LB / TON	DNR

--EMISSIONS / YR--

POLLUTANT	NR438_THRESH	UNCNTRLD	CNTRLD	OZONE/DY
PM (c)	10000 LB	4.831 LB	4.831 LB	
PM10 (c)	10000 LB	4.831 LB	4.831 LB	

--INCOMING STREAMS--

TPUT --> P51-01

--OUTGOING STREAMS--

P51-01 (100%) --> OUT

P99 **Painting/Coating Equipment** **Surface Coating**

DEVICE DESC: INSIGNIFICANT SOURCES
CONSTR DATE: 01/01/2000
DEVICE COMMENTS:

P99, Process 00 **Generic Throughput Process**

PROCESS NAME: THRUPUT IS LB ROG EMITTED
SCC CODE: 40200101
PROCESS COMMENTS: This process includes sources which were deemed insignificant in the Title V permitting process
SCHEDULE: 24 Hrs/Day 7 Dys/Wk 365 Dys/Yr
QTRLY SCHEDULE: Q1: 25% Q2: 25% Q3: 25% Q4: 25%
ANNUAL TPUT: 1116 LB of Other solvent
AVG TPUT: .1274 LB/HR
MAX TPUT: 50 LB/HR

--EMISSION FACTORS--

POLLUTANT	VALUE / UNIT	ORIGIN
CO	1.47 LB / LB	DNR
NOX	.45 LB / LB	DNR
PM	1.087 LB / LB	DNR
PM10	1.087 LB / LB	DNR
ROG	1 LB / LB	DNR

--EMISSIONS / YR--

POLLUTANT	NR438_THRESH	UNCNTRLD	CNTRLD	OZONE/DY
CO (m)	10000 LB	7,876.000 LB	7,876.000 LB	
NOX (r)	10000 LB	6,262.000 LB	6,262.000 LB	17.203 LB
PM (r)	10000 LB	1,975.370 LB	1,975.370 LB	
PM10 (r)	10000 LB	1,975.370 LB	1,975.370 LB	
ROG (r)	6000 LB	1,116.000 LB	1,116.000 LB	3.066 LB
SO2 (r)	10000 LB	288.700 LB	288.700 LB	

--INCOMING STREAMS--

TPUT --> P99-00

--OUTGOING STREAMS--

P99-00 ---(100%)---> S99-01 ---(100%)---> OUT

S05	Stack	Stack	
DEVICE DESC:			
CONSTR DATE:			
DEVICE COMMENTS:			
STACK HEIGHT:	32.92 m		or 108 ft
STACK DIAMETER:	.71 m		or 2.33 ft
STACK TEMP:	345.2 K		or 161.69 F
STACK VELOCITY:	10.6 m/s		or 34.78 ft/s

S05, Process 01	Releasing/Discharging material to the atmosphere			
PROCESS NAME:				
PROCESS COMMENTS:				
SCHEDULE:	24 Hrs/Day	7 Dys/Wk	342 Dys/Yr	
QTRLY SCHEDULE:	Q1: 25%	Q2: 25%	Q3: 25%	Q4: 25%

--INCOMING STREAMS--

C05-01 (100%) --> S05-01

--OUTGOING STREAMS--

S05-01 (100%) --> OUT

S06	Stack	Stack	
DEVICE DESC:			
CONSTR DATE:			
DEVICE COMMENTS:			
STACK HEIGHT:	36.88 m		or 121 ft
STACK DIAMETER:	1.22 m		or 4 ft
STACK TEMP:	345.8 K		or 162.77 F
STACK VELOCITY:	9.3 m/s		or 30.51 ft/s

S06, Process 01	Releasing/Discharging material to the atmosphere			
PROCESS NAME:				
PROCESS COMMENTS:				
SCHEDULE:	24 Hrs/Day	7 Dys/Wk	325 Dys/Yr	
QTRLY SCHEDULE:	Q1: 25%	Q2: 25%	Q3: 25%	Q4: 25%

--INCOMING STREAMS--

C10-01 (100%) --> S06-01

--OUTGOING STREAMS--

S06-01 (100%) --> OUT

S07	Stack	Stack	
DEVICE DESC:			
CONSTR DATE:			
DEVICE COMMENTS:			
STACK HEIGHT:	49.07 m		or 160.99 ft
STACK DIAMETER:	1.68 m		or 5.51 ft
STACK TEMP:	346.9 K		or 164.75 F
STACK VELOCITY:	19.24 m/s		or 63.12 ft/s

S07, Process 01	Releasing/Discharging material to the atmosphere			
PROCESS NAME:				
PROCESS COMMENTS:				
SCHEDULE:	24 Hrs/Day	7 Dys/Wk	349 Dys/Yr	
QTRLY SCHEDULE:	Q1: 25%	Q2: 25%	Q3: 25%	Q4: 25%

--OUTGOING STREAMS--

S07-01 (100%) --> OUT

S08	Stack	Stack	
DEVICE DESC:			
CONSTR DATE:			
DEVICE COMMENTS:			
STACK HEIGHT:	56.69 m		or 185.99 ft
STACK DIAMETER:	1.98 m		or 6.5 ft
STACK TEMP:	477.4 K		or 399.65 F
STACK VELOCITY:	13.78 m/s		or 45.21 ft/s

S08, Process 01	Releasing/Discharging material to the atmosphere			
PROCESS NAME:				
PROCESS COMMENTS:				
SCHEDULE:	24 Hrs/Day	7 Dys/Wk	342 Dys/Yr	
QTRLY SCHEDULE:	Q1: 25%	Q2: 25%	Q3: 25%	Q4: 25%

--INCOMING STREAMS--

C03-01 (100%) --> S08-01

--OUTGOING STREAMS--

S08-01 (100%) --> OUT

S09	Stack	Stack	
DEVICE DESC:			
CONSTR DATE:			
DEVICE COMMENTS:			
STACK HEIGHT:	88.39 m		or 289.99 ft
STACK DIAMETER:	2.59 m		or 8.5 ft
STACK TEMP:	444.7 K		or 340.79 F
STACK VELOCITY:	19.69 m/s		or 64.6 ft/s

S09, Process 01	Releasing/Discharging material to the atmosphere			
PROCESS NAME:				
PROCESS COMMENTS:				
SCHEDULE:	24 Hrs/Day	7 Dys/Wk	352 Dys/Yr	
QTRLY SCHEDULE:	Q1: 25%	Q2: 25%	Q3: 25%	Q4: 25%

--INCOMING STREAMS--

C7911-01 (100%) --> S09-01

--OUTGOING STREAMS--

S09-01 (100%) --> OUT

S10	Stack	Stack	
DEVICE DESC:			
CONSTR DATE:			
DEVICE COMMENTS:			
STACK HEIGHT:	56.69 m		or 185.99 ft
STACK DIAMETER:	1.83 m		or 6 ft
STACK TEMP:	477.4 K		or 399.65 F
STACK VELOCITY:	16.17 m/s		or 53.05 ft/s

S10, Process 01	Releasing/Discharging material to the atmosphere			
PROCESS NAME:				
PROCESS COMMENTS:				
SCHEDULE:	24 Hrs/Day	7 Dys/Wk	342 Dys/Yr	
QTRLY SCHEDULE:	Q1: 25%	Q2: 25%	Q3: 25%	Q4: 25%

--INCOMING STREAMS--

C04-01 (100%) --> S10-01

--OUTGOING STREAMS--

S10-01 (100%) --> OUT

S11	Stack	Stack	
DEVICE DESC:	NO. 11 PAPER MACHINE		
CONSTR DATE:			
DEVICE COMMENTS:			
STACK HEIGHT:	13.26 m		or 43.5 ft
STACK DIAMETER:	1.31 m		or 4.3 ft
STACK TEMP:	316.3 K		or 109.67 F
STACK VELOCITY:	14.41 m/s		or 47.28 ft/s

S11, Process 01	Releasing/Discharging material to the atmosphere			
PROCESS NAME:				
PROCESS COMMENTS:				
SCHEDULE:	24 Hrs/Day	7 Dys/Wk	322 Dys/Yr	
QTRLY SCHEDULE:	Q1: 25%	Q2: 25%	Q3: 25%	Q4: 25%

--INCOMING STREAMS--

P11-01 (100%) --> S11-01
P11-02 (100%) --> S11-01
P11-00 (100%) --> S11-01

--OUTGOING STREAMS--

S11-01 (100%) --> OUT

S12	Stack	Stack	
DEVICE DESC:			
CONSTR DATE:			
DEVICE COMMENTS:			
STACK HEIGHT:	39.62 m		or 129.99 ft
STACK DIAMETER:	1.19 m		or 3.9 ft
STACK TEMP:	338.6 K		or 149.81 F
STACK VELOCITY:	8.5 m/s		or 27.89 ft/s

S12, Process 01	Releasing/Discharging material to the atmosphere			
PROCESS NAME:				
PROCESS COMMENTS:				
SCHEDULE:	24 Hrs/Day	7 Dys/Wk	358 Dys/Yr	
QTRLY SCHEDULE:	Q1: 25%	Q2: 25%	Q3: 25%	Q4: 25%

--INCOMING STREAMS--

C13-01 (100%) --> S12-01

--OUTGOING STREAMS--

S12-01 (100%) --> OUT

S13	Stack	Stack	
DEVICE DESC:	NO. 13 PAPER MACHINE		
CONSTR DATE:			
DEVICE COMMENTS:			
STACK HEIGHT:	14.63 m		or 48 ft
STACK DIAMETER:	.93 m		or 3.05 ft
STACK TEMP:	321.9 K		or 119.75 F
STACK VELOCITY:	9.41 m/s		or 30.87 ft/s

S13, Process 01	Releasing/Discharging material to the atmosphere			
PROCESS NAME:				
PROCESS COMMENTS:				
SCHEDULE:	24 Hrs/Day	7 Dys/Wk	313 Dys/Yr	
QTRLY SCHEDULE:	Q1: 25%	Q2: 25%	Q3: 25%	Q4: 25%

--INCOMING STREAMS--

P13-01 (100%) --> S13-01
P13A-01 (100%) --> S13-01
P13A-02 (100%) --> S13-01

--OUTGOING STREAMS--

S13-01 (100%) --> OUT

S14	Stack	Stack	
DEVICE DESC:	PAPER MACHINE 14		
CONSTR DATE:			
DEVICE COMMENTS:			
STACK HEIGHT:	20.73 m		or 68.01 ft
STACK DIAMETER:	1.52 m		or 4.99 ft
STACK TEMP:	321.9 K		or 119.75 F
STACK VELOCITY:	3.05 m/s		or 10.01 ft/s

S14, Process 01	Releasing/Discharging material to the atmosphere			
PROCESS NAME:				
PROCESS COMMENTS:				
SCHEDULE:	24 Hrs/Day	7 Dys/Wk	334 Dys/Yr	
QTRLY SCHEDULE:	Q1: 25%	Q2: 25%	Q3: 25%	Q4: 25%

--INCOMING STREAMS--

P14-01 (100%) --> S14-01
P14A-01 (100%) --> S14-01
P14A-02 (100%) --> S14-01
P14A-03 (100%) --> S14-01

--OUTGOING STREAMS--

S14-01 (100%) --> OUT

S15	Stack	Stack	
DEVICE DESC:	NO. 15 PAPER MACHINE		
CONSTR DATE:			
DEVICE COMMENTS:			
STACK HEIGHT:	20.57 m		or 67.49 ft
STACK DIAMETER:	1.37 m		or 4.49 ft
STACK TEMP:	324.7 K		or 124.79 F
STACK VELOCITY:	11.18 m/s		or 36.68 ft/s

S15, Process 01	Releasing/Discharging material to the atmosphere			
PROCESS NAME:				
PROCESS COMMENTS:				
SCHEDULE:	24 Hrs/Day	7 Dys/Wk	302 Dys/Yr	
QTRLY SCHEDULE:	Q1: 25%	Q2: 25%	Q3: 25%	Q4: 25%

--INCOMING STREAMS--

P15-02 (100%) --> S15-01

P15A-01 (100%) --> S15-01

--OUTGOING STREAMS--

S15-01 (100%) --> OUT

S16	**Stack**	**Stack**	
DEVICE DESC:	NOS 10 AND 12 PAPER MACHINE		
CONSTR DATE:			
DEVICE COMMENTS:			
STACK HEIGHT:	17.53 m		or 57.51 ft
STACK DIAMETER:	1.02 m		or 3.35 ft
STACK TEMP:	321.9 K		or 119.75 F
STACK VELOCITY:	10.44 m/s		or 34.25 ft/s

S16, Process 01	**Releasing/Discharging material to the atmosphere**			
PROCESS NAME:				
PROCESS COMMENTS:				
SCHEDULE:	24 Hrs/Day	7 Dys/Wk	316 Dys/Yr	
QTRLY SCHEDULE:	Q1: 25%	Q2: 25%	Q3: 25%	Q4: 25%

--INCOMING STREAMS--

P16-02 (100%) --> S16-01

P16-01 (100%) --> S16-01

--OUTGOING STREAMS--

S16-01 (100%) --> OUT

S17 **Stack** **Stack**

DEVICE DESC:
CONSTR DATE:
DEVICE COMMENTS:
STACK HEIGHT: 39.62 m or 129.99 ft
STACK DIAMETER: 1.18 m or 3.87 ft
STACK TEMP: 338.6 K or 149.81 F
STACK VELOCITY: 8.51 m/s or 27.92 ft/s

S17, Process 01 **Releasing/Discharging material to the atmosphere**

PROCESS NAME:
PROCESS COMMENTS:
SCHEDULE: 24 Hrs/Day 7 Dys/Wk 1 Dys/Yr
QTRLY SCHEDULE: Q1: 25% Q2: 25% Q3: 25% Q4: 25%

--INCOMING STREAMS--
P17-00 (100%) --> S17-01

--OUTGOING STREAMS--

S17-01 (100%) --> OUT

S18 **Stack** **Stack**

DEVICE DESC: PAPER MACHINE COOLING TOWER
CONSTR DATE: 07/07/2005
DEVICE COMMENTS:
STACK HEIGHT: 9.14 m or 29.99 ft
STACK DIAMETER: 3.04 m or 9.97 ft
STACK TEMP: 310.9 K or 99.95 F
STACK VELOCITY: 11.91 m/s or 39.07 ft/s

S18, Process 01 **Releasing/Discharging material to the atmosphere**

PROCESS NAME:
PROCESS COMMENTS:
SCHEDULE: 24 Hrs/Day 7 Dys/Wk 158 Dys/Yr
QTRLY SCHEDULE: Q1: 25% Q2: 25% Q3: 25% Q4: 25%

--INCOMING STREAMS--
P18-01 (100%) --> S18-01

--OUTGOING STREAMS--

S18-01 (100%) --> OUT

S19	Stack	Stack	
DEVICE DESC:			
CONSTR DATE:			
DEVICE COMMENTS:			
STACK HEIGHT:	21.95 m		or 72.01 ft
STACK DIAMETER:	.48 m		or 1.57 ft
STACK TEMP:	363.6 K		or 194.81 F
STACK VELOCITY:	2.5 m/s		or 8.2 ft/s

S19, Process 01	Releasing/Discharging material to the atmosphere			
PROCESS NAME:				
PROCESS COMMENTS:				
SCHEDULE:	24 Hrs/Day	7 Dys/Wk	358 Dys/Yr	
QTRLY SCHEDULE:	Q1: 25%	Q2: 25%	Q3: 25%	Q4: 25%

--INCOMING STREAMS--

C20-01 (100%) --> S19-01

--OUTGOING STREAMS--

S19-01 (100%) --> OUT

S20	Stack	Stack	
DEVICE DESC:			
CONSTR DATE:			
DEVICE COMMENTS:			
STACK HEIGHT:	22.85 m		or 74.97 ft
STACK DIAMETER:	.88 m		or 2.89 ft
STACK TEMP:	338.6 K		or 149.81 F
STACK VELOCITY:	20.94 m/s		or 68.7 ft/s

S20, Process 01	Releasing/Discharging material to the atmosphere			
PROCESS NAME:				
PROCESS COMMENTS:				
SCHEDULE:	24 Hrs/Day	7 Dys/Wk	357 Dys/Yr	
QTRLY SCHEDULE:	Q1: 25%	Q2: 25%	Q3: 25%	Q4: 25%

--INCOMING STREAMS--

P20-00 (100%) --> S20-01

--OUTGOING STREAMS--

S20-01 (100%) --> OUT

S21	Stack	Stack	
DEVICE DESC:			
CONSTR DATE:			
DEVICE COMMENTS:			
STACK HEIGHT:	21.63 m		or 70.96 ft
STACK DIAMETER:	.67 m		or 2.2 ft
STACK TEMP:	310.9 K		or 99.95 F
STACK VELOCITY:	5.26 m/s		or 17.26 ft/s

S21, Process 01	Releasing/Discharging material to the atmosphere			
PROCESS NAME:				
PROCESS COMMENTS:				
SCHEDULE:	24 Hrs/Day	7 Dys/Wk	365 Dys/Yr	
QTRLY SCHEDULE:	Q1: 25%	Q2: 25%	Q3: 25%	Q4: 25%

--INCOMING STREAMS--

P21-00 (100%) --> S21-01

--OUTGOING STREAMS--

S21-01 (100%) --> OUT

S22	Stack	Stack	
DEVICE DESC:	DECKER STACK		
CONSTR DATE:			
DEVICE COMMENTS:			
STACK HEIGHT:	6.09 m		or 19.98 ft
STACK DIAMETER:	.3 m		or .98 ft
STACK TEMP:	310.9 K		or 99.95 F
STACK VELOCITY:	37.99 m/s		or 124.64 ft/s

S22, Process 01	Releasing/Discharging material to the atmosphere			
PROCESS NAME:				
PROCESS COMMENTS:				
SCHEDULE:	24 Hrs/Day	7 Dys/Wk	357 Dys/Yr	
QTRLY SCHEDULE:	Q1: 25%	Q2: 25%	Q3: 25%	Q4: 25%

--INCOMING STREAMS--

P22-01 (100%) --> S22-01

--OUTGOING STREAMS--

S22-01 (100%) --> OUT

S26	Stack	Stack	
DEVICE DESC:			
CONSTR DATE:			
DEVICE COMMENTS:			
STACK HEIGHT:	21.33 m		or 69.98 ft
STACK DIAMETER:	.36 m		or 1.18 ft
STACK TEMP:	338.6 K		or 149.81 F
STACK VELOCITY:	18.69 m/s		or 61.32 ft/s

S26, Process 01	Releasing/Discharging material to the atmosphere			
PROCESS NAME:				
PROCESS COMMENTS:				
SCHEDULE:	24 Hrs/Day	7 Dys/Wk	357 Dys/Yr	
QTRLY SCHEDULE:	Q1: 25%	Q2: 25%	Q3: 25%	Q4: 25%

--OUTGOING STREAMS--

S26-01 (100%) --> OUT

S28	Stack	Stack	
DEVICE DESC:	24" FIBERGLASS PULP SEWER VENT		
CONSTR DATE:			
DEVICE COMMENTS:			
STACK HEIGHT:	10 m		or 32.81 ft
STACK DIAMETER:	.6 m		or 1.97 ft
STACK TEMP:	335.9 K		or 144.95 F
STACK VELOCITY:	9.29 m/s		or 30.48 ft/s

S28, Process 01	Releasing/Discharging material to the atmosphere			
PROCESS NAME:				
PROCESS COMMENTS:				
SCHEDULE:	24 Hrs/Day	7 Dys/Wk	365 Dys/Yr	
QTRLY SCHEDULE:	Q1: %	Q2: %	Q3: %	Q4: %

--INCOMING STREAMS--

P39-02 (100%) --> S28-01

--OUTGOING STREAMS--

S28-01 (100%) --> OUT

S29 **Stack** **Stack**

DEVICE DESC: PULP MILL SEWER VENT
CONSTR DATE:
DEVICE COMMENTS:
STACK HEIGHT: 32 m or 104.99 ft
STACK DIAMETER: .3 m or .98 ft
STACK TEMP: 299.8 K or 79.97 F
STACK VELOCITY: 20.2 m/s or 66.27 ft/s

S29, Process 01 **Releasing/Discharging material to the atmosphere**

PROCESS NAME:
PROCESS COMMENTS:
SCHEDULE: 24 Hrs/Day 7 Dys/Wk 365 Dys/Yr
QTRLY SCHEDULE: Q1: % Q2: % Q3: % Q4: %

--INCOMING STREAMS--

P39-03 (100%) --> S29-01

--OUTGOING STREAMS--

S29-01 (100%) --> OUT

S81 **Stack** **Stack**

DEVICE DESC: Package Boiler Stack
CONSTR DATE:
DEVICE COMMENTS:
STACK HEIGHT: 22.86 m or 75 ft
STACK DIAMETER: 1.22 m or 4 ft
STACK TEMP: 530.8 K or 495.77 F
STACK VELOCITY: 14.34 m/s or 47.05 ft/s

S81, Process 01 **Releasing/Discharging material to the atmosphere**

PROCESS NAME:
PROCESS COMMENTS:
SCHEDULE: 24 Hrs/Day 7 Dys/Wk 0 Dys/Yr
QTRLY SCHEDULE: Q1: 0% Q2: 0% Q3: 100% Q4: 0%

--OUTGOING STREAMS--

S81-01 (100%) --> OUT

S99	Stack	Stack	
DEVICE DESC:	INSIGNIFICANT SOURCES		
CONSTR DATE:			
DEVICE COMMENTS:			
STACK HEIGHT:	12.19 m		or 39.99 ft
STACK DIAMETER:	.3 m		or .98 ft
STACK TEMP:	294.2 K		or 69.89 F
STACK VELOCITY:	6.67 m/s		or 21.88 ft/s

S99, Process 01	Releasing/Discharging material to the atmosphere			
PROCESS NAME:				
PROCESS COMMENTS:	This stack is a dummy stack for the otherwise insignificant sources in the Title V permit application. This should be considered a fugitive emission point.			
SCHEDULE:	24 Hrs/Day	7 Dys/Wk	365 Dys/Yr	
QTRLY SCHEDULE:	Q1: %	Q2: %	Q3: %	Q4: %

--INCOMING STREAMS--

P99-00 (100%) --> S99-01

--OUTGOING STREAMS--

S99-01 (100%) --> OUT

FACILITY EMISSIONS SUMMARY

-2017 SUMMARY-	--2017--	--2017--	--2017--	--2017--
--POLLUTANT--	--NR438_THRESH--	--UNCNTRLD/YR--	--CNTRLD/YR--	--OZONE/DY--
CO	10000 LB	2,462,363.32264 LB	2,462,363.32264 LB	
NOX	10000 LB	3,327,681.59293 LB	3,327,681.59293 LB	9,172.26328 LB
PM	10000 LB	595,751.33876 LB	595,751.33876 LB	
PM10	10000 LB	379,023.63420 LB	379,023.63420 LB	
ROG	6000 LB	550,437.85239 LB	550,437.85239 LB	1,517.82171 LB
SO2	10000 LB	22,441,858,156.13429 LB	22,441,858,156.13430 LB	
ACETALDEHYDE (fs)	404 LB	7,742.03701 LB	7,742.03701 LB	
ACETONE	100000 LB	39.08518 LB	39.08518 LB	
ACETOPHENONE (fs)	6000 LB	.11313 LB	.11313 LB	
ACROLEIN (fs)	75 LB	635.28777 LB	635.28777 LB	
AMMONIA (s)	4097 LB	26,001.58400 LB	26,001.58400 LB	
ANTIMONY (fs)	118 LB	.34185 LB	.34185 LB	
ARSENIC (fs)	.21 LB	3.81272 LB	3.81273 LB	
BARIUM (s)	118 LB	29.81710 LB	29.81711 LB	
BENZ(A)ANTHR (s)	8.08 LB	.02956 LB	.02957 LB	
BENZENE (fs)	114 LB	1,252.41873 LB	1,252.41873 LB	
BENZO(A)PHEN	12 LB	.01747 LB	.01748 LB	
BENZO(A)PYRE (s)	.81 LB	1.25746 LB	1.25748 LB	
BENZO(B)FLUO (s)	1.22 LB	.05214 LB	.05215 LB	
BENZO(JK)FLE	12 LB	26.15394 LB	26.15396 LB	
BENZO(K)FLUO (s)	1.22 LB	1.05945 LB	1.05946 LB	
BERYLLIUM (fs)	.37 LB	1.23185 LB	1.23187 LB	
BUTADIENE,13 (fs)	3.17 LB	2.82000 LB	2.82000 LB	
CADMIUM (fs)	.49 LB	4.24268 LB	4.24270 LB	
CARBON TETRA (fs)	59.2 LB	146.88068 LB	146.88068 LB	
CFC-11	6000 LB	20.93913 LB	20.93913 LB	
CHLORINE (fs)	341 LB	403.90666 LB	403.90666 LB	
CHLOROBENZ (fs)	6000 LB	.97398 LB	.97398 LB	
CHLOROFORM (fs)	38.6 LB	521.88369 LB	521.88369 LB	
CHLOROPRENE (fs)	1.22 LB	4.81000 LB	4.81000 LB	
CHROMIUM MET (fs)	118 LB	109.72432 LB	109.72433 LB	
CHROMIUMVI I (fs)	.07 LB	18.76000 LB	18.76000 LB	
CHROMIUMVI S (fs)	.07 LB	2.75541 LB	2.75541 LB	
CO2	200000000 LB	1,656,493,861.59000 LB	1,656,493,861.59000 LB	
COBALT (fs)	4.71 LB	56.82197 LB	56.82199 LB	
COPPER (s)	235 LB	8.64763 LB	8.64765 LB	
CROTONALDEHY (s)	281 LB	4.63991 LB	4.63991 LB	
DIBENZAHAN (s)	.74 LB	.00537 LB	.00539 LB	
DIBROMOET,12 (fs)	4.04 LB	109.32552 LB	109.32552 LB	
DICHLETHY1,2 (s)	6000 LB	6.55000 LB	6.55000 LB	
DICHLORETH12 (fs)	34.2 LB	110.73592 LB	110.73592 LB	

DIMETH SULFA (fs)	1.22 LB	6.56000 LB	6.56000 LB	
DINITROPH,24 (f)	6000 LB	.11835 LB	.11835 LB	
DIOCTYLPHT,N	6000 LB	.02168 LB	.02168 LB	
ETHYLBENZENE (fs)	6000 LB	3.87140 LB	3.87140 LB	
FORMALDEHYDE (fs)	68.3 LB	5,648.79644 LB	5,648.79644 LB	
H2SO4 (s)	235 LB	162,509.94000 LB	162,509.94000 LB	
HEXANE (fs)	6000 LB	1,074.38400 LB	1,074.38400 LB	
HEXCLBENZENE (fs)	.47 LB	.43000 LB	.43000 LB	
HF (fs)	803 LB	11,204.45000 LB	11,204.45000 LB	
HYDROGEN SUL (s)	3279 LB	14,991.01000 LB	14,991.01000 LB	
HYDROGENCHLO (fs)	1777 LB	73,011.20472 LB	73,011.20472 LB	
HYDROSULNB (s)	3279 LB	7,386.49000 LB	7,386.49000 LB	
INDN(123CDPY (s)	8.08 LB	.35629 LB	.35630 LB	
LEAD	400 LB	8.21000 LB	8.21000 LB	
LEAD CMP (f)	400 LB	323.84138 LB	323.84138 LB	
MANGANESE (fs)	47.1 LB	39.47681 LB	39.47681 LB	
MERCURY ALL (fs)	5.88 LB	4.20579 LB	4.20580 LB	
METH ETH KET	6000 LB	5,458.99912 LB	5,458.99912 LB	
METH HYDRAZI (fs)	4.43 LB	23.21000 LB	23.21000 LB	
METHANE	10000000 LB	13,479.16305 LB	13,479.16305 LB	
METHANOL (f)	6000 LB	234,446.90249 LB	234,446.90249 LB	
METHBROMID (fs)	444 LB	7.66066 LB	7.66066 LB	
METHYL CHLOR (fs)	6000 LB	11.74634 LB	11.74634 LB	
METHYLENE CL (fs)	1890 LB	176.82933 LB	176.82933 LB	
MOLYBDENUM (s)	1176 LB	1.72906 LB	1.72908 LB	
NAPHTHALENE (fs)	6000 LB	36.33625 LB	36.33626 LB	
NICKEL CMP (fs)	3.42 LB	25.67480 LB	25.67480 LB	
NITROPHENL,4 (fs)	6000 LB	.05542 LB	.05542 LB	
NITROUSOXIDE (s)	6000 LB	20,241.66700 LB	20,241.66700 LB	
PCP (fs)	118 LB	.00199 LB	.00199 LB	
PERC (fs)	151 LB	1,108.26155 LB	1,108.26155 LB	
PERYLENE	10 LB	.00027 LB	.00027 LB	
PHENOL (fs)	4528 LB	10.20068 LB	10.20068 LB	
PHOSPHORUS (fs)	23.8 LB	110.43689 LB	110.43689 LB	
POM (f)	125 LB	8.54876 LB	8.54877 LB	
PROPIONALDEH (fs)	6000 LB	28.32147 LB	28.32147 LB	
PRPLENE DICH (fs)	355 LB	16.85345 LB	16.85345 LB	
SULFUR (TRS)	10000 LB	122,993.14000 LB	122,993.14000 LB	
VANADIUM (s)	11.8 LB	81.35570 LB	81.35571 LB	

-2016 SUMMARY-	--2016--	--2016--	--2016--	--2016--
--POLLUTANT--	--NR438_THRESH--	--UNCNTRLD/YR--	--CNTRLD/YR--	--OZONE/DY--
CO	10000 LB	2,515,736.56186 LB	2,515,736.56186 LB	
NOX	10000 LB	3,156,496.09290 LB	3,156,496.09290 LB	8,367.68508 LB

PM	10000 LB	576,986.58847 LB	576,986.58848 LB	
PM10	10000 LB	433,721.09536 LB	433,721.09536 LB	
ROG	6000 LB	547,456.88602 LB	547,456.88602 LB	1,505.84798 LB
SO2	10000 LB	13,064,502.18544 LB	13,064,502.18546 LB	
ACETALDEHYDE (FS)	404 LB	7,600.55185 LB	7,600.55185 LB	
ACETONE	100000 LB	80.67922 LB	80.67922 LB	
ACETOPHENONE (FS)	6000 LB	.00136 LB	.00136 LB	
ACROLEIN(FS)	75 LB	503.81099 LB	503.81099 LB	
AMMONIA(S)	4097 LB	28,560.61000 LB	28,560.61000 LB	
ANTIMONY(FS)	118 LB	3.35455 LB	3.35455 LB	
ARSENIC(FS)	.21 LB	102.39831 LB	102.39833 LB	
BARIUM(S)	118 LB	77.37537 LB	77.37537 LB	
BENZ(A)ANTHR(S)	8.08 LB	.02973 LB	.02974 LB	
BENZENE(FS)	114 LB	1,126.65640 LB	1,126.65640 LB	
BENZO(A)PHEN	12 LB	.01893 LB	.01894 LB	
BENZO(A)PYRE(S)	.81 LB	1.05679 LB	1.05679 LB	
BENZO(B)FLUO(S)	1.22 LB	.04459 LB	.04460 LB	
BENZO(JK)FLE	12 LB	26.79724 LB	26.79727 LB	
BENZO(K)FLUO(S)	1.22 LB	1.10741 LB	1.10742 LB	
BERYLLIUM(FS)	.37 LB	6.02620 LB	6.02622 LB	
CADMIUM(FS)	.49 LB	23.48564 LB	23.48565 LB	
CARBON TETRA (FS)	59.2 LB	147.66846 LB	147.66846 LB	
CFC-11	6000 LB	17.40973 LB	17.40973 LB	
CHLORINE(FS)	341 LB	335.89393 LB	335.89393 LB	
CHLOROBENZ(FS)	6000 LB	14.01271 LB	14.01271 LB	
CHLOROFORM (FS)	38.6 LB	480.47561 LB	480.47561 LB	
CHLOROPRENE (FS)	1.22 LB	4.95000 LB	4.95000 LB	
CHROMIUM MET (FS)	118 LB	188.14720 LB	188.14721 LB	
CHROMIUMVI I (FS)	.07 LB	15.61000 LB	15.61000 LB	
CHROMIUMVI S (FS)	.07 LB	1.48620 LB	1.48620 LB	
CO2	200000000 LB	1,638,957,313.14700 LB	1,638,957,313.14700 LB	
COBALT(FS)	4.71 LB	41.44752 LB	41.44752 LB	
COPPER(S)	235 LB	22.91380 LB	22.91381 LB	
CROTONALDEHY (S)	281 LB	4.20382 LB	4.20382 LB	
DIBENZAHAN(S)	.74 LB	.00527 LB	.00527 LB	
DIBROMOET,12 (FS)	4.04 LB	103.55726 LB	103.55726 LB	
DICHLETHY1,2(S)	6000 LB	6.55000 LB	6.55000 LB	
DICHLORETH12 (FS)	34.2 LB	140.40159 LB	140.40159 LB	
DIMETH SULFA (FS)	1.22 LB	4.76000 LB	4.76000 LB	
DINITROPH,24(F)	6000 LB	.07644 LB	.07644 LB	
DIOCTYLPHT,N	6000 LB	.01996 LB	.01996 LB	
ETHYLBENZENE (FS)	6000 LB	13.16345 LB	13.16345 LB	
FORMALDEHYDE (FS)	68.3 LB	5,203.83202 LB	5,203.83202 LB	
H2SO4(S)	235 LB	144,564.78000 LB	144,564.78000 LB	
HEXANE(FS)	6000 LB	2,122.65221 LB	2,122.65222 LB	

HEXCLBENZENE (FS)	.47 LB	.38000 LB	.38000 LB
HF(FS)	803 LB	9,903.30000 LB	9,903.30000 LB
HYDROGEN SUL (S)	3279 LB	15,181.63000 LB	15,181.63000 LB
HYDROGENCHLO (FS)	1777 LB	525,314.50985 LB	525,314.50985 LB
HYDROSULNB(S)	3279 LB	6,176.88000 LB	6,176.88000 LB
INDN(123CDPY(S)	8.08 LB	.03907 LB	.03908 LB
LEAD CMP(F)	400 LB	273.74068 LB	273.74068 LB
MANGANESE(FS)	47.1 LB	283.21504 LB	283.21504 LB
MERCURY ALL (FS)	5.88 LB	11.60339 LB	11.60339 LB
METH ETH KET	6000 LB	5,286.37037 LB	5,286.37037 LB
METH HYDRAZI (FS)	4.43 LB	16.88000 LB	16.88000 LB
METHANE	10000000 LB	12,657.39827 LB	12,657.39828 LB
METHANOL(F)	6000 LB	191,627.50182 LB	191,627.50182 LB
METHBROMID(FS)	444 LB	6.36941 LB	6.36941 LB
METHYL CHLOR (FS)	6000 LB	9.76643 LB	9.76643 LB
METHYLENE CL (FS)	1890 LB	151.40170 LB	151.40170 LB
NICKEL CMP(FS)	3.42 LB	620.51641 LB	620.51641 LB
NITROUSOXIDE (S)	6000 LB	17,051.91850 LB	17,051.91850 LB
PERC(FS)	151 LB	2,714.53484 LB	2,714.53484 LB
PHOSPHORUS (FS)	23.8 LB	106.69975 LB	106.69975 LB
SELENIUM(FS)	47.1 LB	3,441.87486 LB	3,441.87488 LB
SULFUR (TRS)	10000 LB	120,456.01000 LB	120,456.01000 LB
VANADIUM(S)	11.8 LB	569.77213 LB	569.77214 LB

REPORT LEGEND

--EMISSIONS--

c = Calculated; r = Reported

f = Federal Hap; s = State Hap; fs = Fed and State Hap