



United States
Environmental Protection
Agency

Office of Air Quality
Planning and Standards
Research Triangle Park, NC 27711

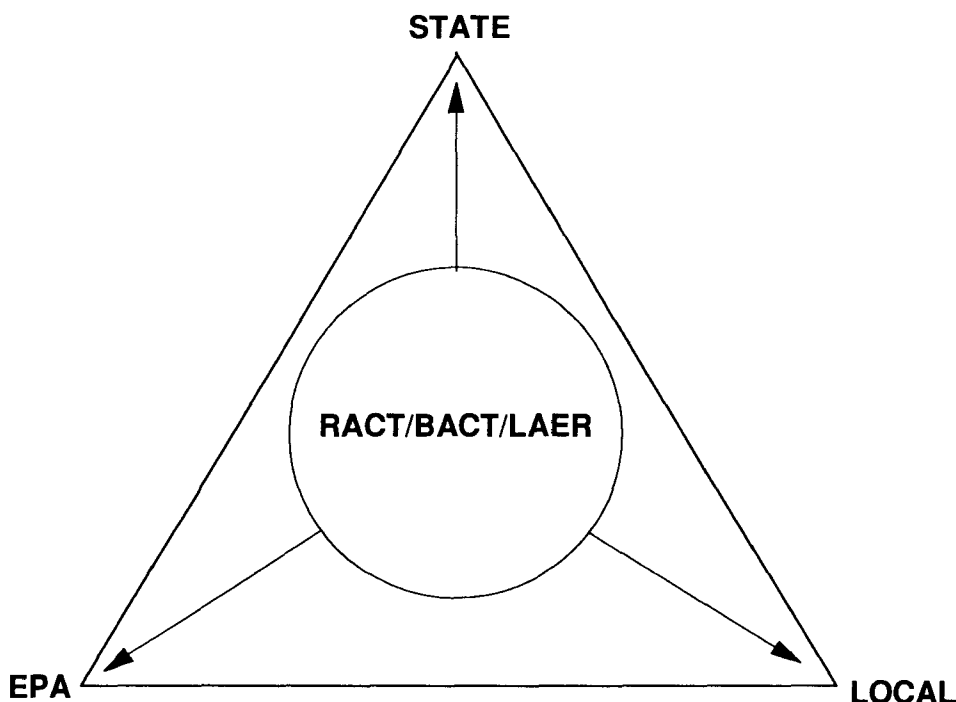
EPA 453/R-93-037b
August 1993

Air

RACT/BACT/LAER CLEARINGHOUSE:

A COMPILATION OF CONTROL TECHNOLOGY DETERMINATIONS

Third Supplement to the 1990 Edition - Volume 2



**Developed as Part of a Joint Effort
Between The U.S. Environmental Protection Agency
and State and Local Air Pollution Control Agencies**

U.S. Environmental Protection Agency
1200 Pennsylvania Avenue, N.W.
Washington, D.C. 20460, 12th Floor
Chicago, IL 60604-3500

August 1993

06/15/93

REPORT DATE: 07/27/93

DETAILED SOURCE LISTING (Part A)

PAGE H- 239

BLIS ID No. NE-0008

DATE ENTERED/UPDATED: 06/15/93

COMPANY NAME/SITE LOCATION: KAWASAKI MOTORS MANUFACTURING COMPANY USA
6600 NORTHWEST 27TH STREET
LINCOLN, NE 68524-

LANCASTER COUNTY

DETERMINATION IS FOR A MODIFIED SOURCE.

PERMIT NO. 064

DETERMINATION MADE BY: LINCOLN-LANCASTER CO HEALTH DEPT, NE
(AGENCY)

GARY WALSH
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 12/28/92
ESTIMATED START-UP DATE-- 04/01/93
(402) 441-8039
(PHONE)

AIRS ID NO. 3110900132

EPA ID NO. NED068652981

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT NAME	EMISSION LIMITS (PRIMARY) (STANDARDIZED)		BASIS EST % EFF
			CTRL EQUIPMENT/PROCESS MODIFICATION		
			RANKING INFORMATION		

MOLDING, RESIN TRANSFER (RTM)

12000.00 JETSKIS/YR

PROCESS CODE 49.004
SCC CODE 30800901

STYRENE
CAS NO. 100-42-5

16.4000 TPY (VOC)
0.0000
BACT-OTHER
65.000

N/A

13/ 8 CONTROL OPTIONS EXAMINED/OPTION SELECTED

- NOTES: 1. DETERMINATION IS FOR AN ADDITION TO AN ALREADY EXISTING PLANT THAT MANUFACTURES ATT-TERRAIN VEHICLES (ATVS), MOTORCYCLES, AND JETSKIS (RECREATIONAL WATER VEHICLES). THE NEW RTM PROCESS IS USED FOR MANUFACTURE OF JETSKIS. THIS WOULD BE SIMILAR TO MANUFACTURE OF MOTORBOAT DECKS AND HULLS.
2. RTM - RESIN TRANSFER MOLDING USING STYRENE CONTAINING RESIN (CLOSED MOLDING PROCESS). GELCOAT APPLICATION ALSO INVOLVED.
3. * = BASELINE EMISSION RATE IS FOR TOTAL PLANT.
4. EFFICIENCY IS FOR RTM AND HIGH TRANSFER EFF. APPLICATION OF GELCOAT.

COMPANY NAME/SITE LOCATION: NEWARK BAY COGENERATION PARTNERSHIP
481-515 DOREMUS AVENUE
NEWARK, NJ

ESSEX COUNTY

DETERMINATION IS FOR A NEW SOURCE.

PERMIT NO.

DETERMINATION MADE BY: NEW JERSEY DEPT OF ENV PROTECTION
(AGENCY)DR. I. ATAY
(AGENCY CONTACT PERSON)DATE OF PERMIT ISSUANCE-- 11/01/90
ESTIMATED START-UP DATE-- / /

(PHONE)

AIRS ID NO.

EPA ID NO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT NAME	EMISSION LIMITS (PRIMARY) (STANDARDIZED)		BACT-PSD
			CTRL EQUIPMENT/PROCESS MODIFICATION RANKING INFORMATION	BASIS EST % EFF	

TURBINE, NATURAL GAS FIRED

0.00

PROCESS CODE 15.004
SCC CODE 10200601NOX
CAS NO.0.0330 LB/MMBTU
0.0000BACT-PSD
94.000

STEAM INJECTION AND SCR

1/ 1 CONTROL OPTIONS EXAMINED/OPTION SELECTED

CO
CAS NO. 630-08-00.0055 LB/MMBTU
0.0000BACT-PSD
80.000

CATALYTIC OXIDATION

TURBINE, KEROSENE FIRED

0.00

PROCESS CODE 15.001
SCC CODE 10200501NOX
CAS NO.0.0630 LB/MMBTU
0.0000BACT-PSD
94.000

STEAM INJECTION AND SCR

1/ 1 CONTROL OPTIONS EXAMINED/OPTION SELECTED

BLIS ID No. NJ-0009

DATE ENTERED/UPDATED: 07/07/93

BOILER, AUXILIARY - NATURAL GAS	PROCESS CODE 11.005 SCC CODE 10200601	0.00	CO	0.0630 LB/MMBTU	BACT-PSD
			CAS NO.	0.0000	83.000
			CATALYTIC OXIDATION		
	PROCESS CODE 11.005 SCC CODE 10200601	0.00	NO2	0.0500 LB/MMBTU	BACT-PSD
			CAS NO. 10102-44-0	0.0000	75.000
			LOW NOx BURNERS AND FGR		
	PROCESS CODE 11.999 SCC CODE 10200501	0.00	NO2	0.1000 LB/MMBTU	BACT-PSD
			CAS NO. 10102-44-0	0.0000	75.000
			LOW NOx BURNERS AND FGR		
	PROCESS CODE 11.999 SCC CODE 10200501	0.00	3/ 2 CONTROL OPTIONS EXAMINED/OPTION SELECTED		

NOTES: Stack tests required for NOx, CO, VOC, TSP, NH3. Cost of steam injection on ly is \$450,000 capital and \$1,710,000 O&M. The capital costs of the combin ed SCR and CO oxidation catalyst is \$2,900,000 with a \$758,000 O and M cost . Plant ID 06460. Turbines are points 001, 002. The auxillary boiler is p oint 003. Note cost for CO control include SCR but not steam injection, Cos t for NOx control include CO oxidation catalysts. Stack S-3 can burn NG or Aviation Kerosene.

REPORT DATE: 07/27/93

DETAILED SOURCE LISTING (Part A)

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BLIS ID No. NJ-0010

DATE ENTERED/UPDATED: 04/30/93

COMPANY NAME/SITE LOCATION: PEDRICKTOWN COGENERATION LIMITED PARTNERSHIP

RT 130 & PORCUPINE RD

OLDMANS TOWNSHIP, NJ 08625

SALEM COUNTY

DETERMINATION IS FOR A NEW SOURCE.

PERMIT NO.

DETERMINATION MADE BY: NEW JERSEY DEPT OF ENV PROTECTION

(AGENCY)

DR I. ATAY

(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 02/23/90

ESTIMATED START-UP DATE-- / /

(609) 984-0491

(PHONE)

AIRS ID NO.

EPA ID NO.

EMISSION LIMITS (PRIMARY)

(STANDARDIZED)

PROCESSES SUBJECT TO THIS PERMIT

THROUGHPUT
CAPACITY

POLLUTANT NAME

CTRL EQUIPMENT/PROCESS MODIFICATION
RANKING INFORMATION

BASIS

EST % EFF

TURBINE, NATURAL GAS FIRED

0.00

PROCESS CODE 15.004

SCC CODE 20200201

NOX

CAS NO.

0.0440 LB/MMBTU

0.0000

BACT-PSD

93.000

STEAM INJECTION AND SCR

3/ 1 CONTROL OPTIONS EXAMINED/OPTION SELECTED

NOTES: Plant ID APC ID 65115. Startup of only 1 of the 2 turbines. Second turbine in permit was deleted.

REPORT DATE: 07/27/93

DETAILED SOURCE LISTING (Part A)

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BLIS ID No. NJ-0011

DATE ENTERED/UPDATED: 04/30/93

COMPANY NAME/SITE LOCATION: LINDEN COGENERATION TECHNOLOGY
LINDEN, NJ

UNION COUNTY

DETERMINATION IS FOR A NEW SOURCE.

PERMIT NO.

DETERMINATION MADE BY: NEW JERSEY DEPT OF ENV PROTECTION
(AGENCY)

MAX FRIEDMAN
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 01/21/92
ESTIMATED START-UP DATE-- / /
(609) 633-8210
(PHONE)

AIRS ID NO.

EPA ID NO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT NAME	EMISSION LIMITS (PRIMARY) (STANDARDIZED)		BACT-PSD
			CTRL EQUIPMENT/PROCESS MODIFICATION RANKING INFORMATION	EST % EFF	

TURBINE, NATURAL GAS FIRED

50.00 X E12 BTU/YR

PROCESS CODE 15.004
SCC CODE 20200201

NO2
CAS NO. 10102-44-0

33.8000 LB/HR
0.0000

STEAM INJECTION AND SCR

2/ 1 CONTROL OPTIONS EXAMINED/OPTION SELECTED

NOTES: State Plant ID# 40955 Point# 005, 006, 007, 008, 009.

REPORT DATE: 07/27/93

DETAILED SOURCE LISTING (Part A)

BLIS ID No. NJ-0012

PAGE H- 244

DATE ENTERED/UPDATED: 07/06/93

COMPANY NAME/SITE LOCATION: BF GOODRICH COMPANY
PEDRICKTOWN, NJ 08067

SALEM COUNTY

DETERMINATION IS FOR A NEW SOURCE.

PERMIT NO.

DETERMINATION MADE BY: NEW JERSEY DEPT OF ENV PROTECTION
(AGENCY)

DR. ATAY
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 09/25/90
ESTIMATED START-UP DATE-- / /
(609) 984-0491
(PHONE)

AIRS ID NO.

EPA ID NO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT NAME	EMISSION LIMITS (PRIMARY) (STANDARDIZED)		BASIS EST % EFF
			CTRL EQUIPMENT/PROCESS MODIFICATION RANKING INFORMATION		

DRYER, PVC DISPERSION RESIN

20.60 MMBTU/HR

PROCESS CODE 63.036

SCC CODE 30101801

PM

CAS NO.

2.5700 LB/HR

0.0000

BAGHOUSE

BACT-PSD

99.000

DRYING OF POLYVINYL CHLORIDE PLASTIC

20.60 MMBTU/HR

PROCESS CODE 63.036

SCC CODE 30101801

PM

CAS NO.

1.7100 LB/HR

0.0000

WET SCRUBBER

BACT-PSD

99.600

DRYING/PNEUMATIC CONVEYING OF PVC PLASTIC

20.60 MMBTU/HR

PROCESS CODE 63.036

SCC CODE 30101801

PM

CAS NO.

3.4200 LB/HR

0.0000

WET SCRUBBER

BACT-PSD

99.000

DRYING/PNEUMATIC CONVEYING OF PVC PLASTIC

20.60 MMBTU/HR

PROCESS CODE 63.036

SCC CODE 30101801

PM

CAS NO.

3.4600 LB/HR

0.0000

WET SCRUBBER

BACT-PSD

90.000

NOTES: Stack: DR-IP. Stack #125 Plant ID 65005. Stack BL-311. Plant 65005 Stack 1
04. Stack: BL-4G Stack 011 Plant 65005. Stack: BL-3T Stack ID 166 Plant
id 65005. Source: BL-4GAA5. Plant ID# 65005. Stack ID 011.

REPORT DATE: 07/27/93

DETAILED SOURCE LISTING (Part A)

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BLIS ID No. NJ-0013

DATE ENTERED/UPDATED: 06/14/93

COMPANY NAME/SITE LOCATION: LAKEWOOD COGENERATION, L.P.
LAKEWOOD TOWNSHIP, NJ

OCEAN COUNTY

DETERMINATION IS FOR A NEW SOURCE.

PERMIT NO. SEVERAL; SEE NOTES

DETERMINATION MADE BY: NEW JERSEY DEPT OF ENV PROTECTION
(AGENCY)

JAMES MARINUCCI
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 04/01/91
ESTIMATED START-UP DATE-- 12/01/93
(609) 984-3022
(PHONE)

AIRS ID NO.

EPA ID NO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT NAME	EMISSION LIMITS (PRIMARY) (STANDARDIZED)		BASIS EST & EFF
			CTRL EQUIPMENT/PROCESS MODIFICATION RANKING INFORMATION		

TURBINES (NATURAL GAS) (2)

1190.00 MMBTU/HR (EACH)

PROCESS CODE 15.004

SCC CODE

PM

CAS NO.

0.0023 LB/MMBTU

0.0000

BACT-OTHER

0.000

SO2

CAS NO. 7446-09-5

0.0069 LB/MMBTU

0.0000

BACT-OTHER

0.000

NOX

CAS NO.

0.0330 LB/MMBTU

0.0000

BACT-OTHER

64.000

SCR, DRY LOW NOX BURNER

6/ 1 CONTROL OPTIONS EXAMINED/OPTION SELECTED

CO

CAS NO. 630-08-0

0.0260 LB/MMBTU

0.0000

BACT-OTHER

0.000

TURBINE DESIGN

2/ 2 CONTROL OPTIONS EXAMINED/OPTION SELECTED

TURBINES (#2 FUEL OIL) (2)		1190.00 MMBTU/HR (EACH)		VOC	0.0046 LB/MMBTU	OTHER
PROCESS CODE 15.006				CAS NO.	0.0000	0.000
SCC CODE				TURBINE DESIGN		
				NH3	10.0000 PPMDV @ 15% O2	OTHER
				CAS NO. 7664-41-7	0.0000	0.000
				PM	0.0260 LB/MMBTU	BACT-OTHER
				CAS NO.	0.0000	0.000
				SO2	0.2100 LB/MMBTU	BACT-OTHER
				CAS NO. 7446-09-5	0.0000	0.000
				NOX	0.0820 LB/MMBTU	BACT-OTHER
				CAS NO.	0.0000	0.000
				SCR AND WATER INJECTION		
				6/ 1 CONTROL OPTIONS EXAMINED/OPTION SELECTED		
				C0	0.0600 LB/MMBTU	BACT-OTHER
				CAS NO. 630-08-0	0.0000	0.000
				TURBINE DESIGN		
				2/ 2 CONTROL OPTIONS EXAMINED/OPTION SELECTED		
				VOC	0.0073 LB/MMBTU	OTHER
				CAS NO.	0.0000	0.000
				TURBINE DESIGN		
				NH3	10.0000 PPMDV @ 15% O2	OTHER
				CAS NO. 7664-41-7	0.0000	0.000

BLIS ID No. NJ-0013

DATE ENTERED/UPDATED: 06/14/93

BOILER (NATURAL GAS)

0.00

PROCESS CODE 11.005
SCC CODEPM
CAS NO.
0.0050 LB/MMBTU
0.0000
BACT-OTHER
0.000SO2
CAS NO. 7446-09-50.0069 LB/MMBTU
0.0000
BACT-OTHER
0.000NOX
CAS NO.0.1000 LB/MMBTU
0.0000
BACT-OTHER
50.000LOW-NOX BURNERS
3/ 3 CONTROL OPTIONS EXAMINED/OPTION SELECTEDCO
CAS NO. 630-08-00.0420 LB/MMBTU
0.0000
BACT-OTHER
0.000BOILER DESIGN
2/ 2 CONTROL OPTIONS EXAMINED/OPTION SELECTEDVOC
CAS NO.0.0017 LB/MMBTU
0.0000
OTHER
0.000

BOILER DESIGN

BOILER (DISTILLATE FUEL)

0.00

PROCESS CODE 11.006
SCC CODEPM
CAS NO.
0.0200 LB/MMBTU
0.0000
BACT-OTHER
0.000SO2
CAS NO. 7446-09-50.2100 LB/MMBTU
0.0000
BACT-OTHER
0.000NOX
CAS NO.0.2000 LB/MMBTU
0.0000
BACT-OTHER
50.000LOW-NOX BURNERS
3/ 3 CONTROL OPTIONS EXAMINED/OPTION SELECTED

CO	0.1700 LB/MMBTU	BACT-OTHER
CAS NO. 630-08-0	0.0000	0.000
	BOILER DESIGN	
	2/ 2 CONTROL OPTIONS EXAMINED/OPTION SELECTED	
VOC	0.0074 LB/MMBTU	OTHER
CAS NO.	0.0000	0.000
	BOILER DESIGN	

NOTES: PROCESS 1: FOLLOWING CONCENTRATION LIMITS ARE CORRECTED TO 15% O₂: NO_X = 9
PPMDV, CO = 12 PPMDV, VOC = 1.5 PPMDV. EACH TURBINE LIMITED TO 5957 HPY
OPERATION. TOTAL NAT. GAS USE LIMITED TO 11228 X 10(9) BTU/YR FOR BOTH.
PROCESS 2: FIRES #2 FUEL OIL W/ 0.2% MAX SULFUR CONTENT. FOLLOWING LIMITS
CORRECTED TO 15% O₂: NO_X=21 PPMDV, CO=25 PPMDV, VOC=3 PPMDV. EACH TURBINE
LIMITED TO 5957 HPY OPERATION. TOTAL OIL USE LIMITED TO 12364 X 10(9)
BTU/YR FOR BOTH TURBINES. 1 AUX. BOILER ONLY OPERATES WHEN TURBINES NOT.
PROCESS 3: NAT. GAS USE LIMITED TO 1148 X 10(9) BTU/HR.
PROCESS 4: #2 FUEL OIL (0.2% MAX S CONTENT) USE LIMITED 1121 X 10(9) BTU/YR
PERMIT NOS.: 01-88-3143, 01-89-5021, 01-90-2007, 01-92-2197.

REPORT DATE: 07/27/93

DETAILED SOURCE LISTING (Part A)

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BLIS ID No. NJ-0014

DATE ENTERED/UPDATED: 06/14/93

COMPANY NAME/SITE LOCATION: CHAMBERS COGENERATION LIMITED PARTNERSHIP

ROUTE 130, SHELL ROAD

CARNEYS POINT, NJ 08069-

COUNTY

DETERMINATION IS FOR A NEW SOURCE.

PERMIT NO.

DETERMINATION MADE BY: NEW JERSEY DEPT OF ENV PROTECTION

(AGENCY)

YOGESH DOSHI

(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 12/26/90

ESTIMATED START-UP DATE-- 07/01/94

(609) 633-7249

(PHONE)

AIRS ID NO.

EPA ID NO.

EMISSION LIMITS (PRIMARY)

(STANDARDIZED)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT NAME	CTRL EQUIPMENT/PROCESS MODIFICATION RANKING INFORMATION	BASIS EST % EFF
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BOILERS (PULVERIZED-COAL) (2)

1389.00 MM BTU/HR (EACH)

PROCESS CODE 11.002

SCC CODE

PM

CAS NO.

0.0180 LB/MMBTU

0.0000

FABRIC FILTER

1/ 1 CONTROL OPTIONS EXAMINED/OPTION SELECTED

BACT-OTHER

99.900

SO2

CAS NO. 7446-09-5

0.2200 LB/MMBTU

0.0000

SPRAY DRYER ADSORBER SCRUBBER

2/ 2 CONTROL OPTIONS EXAMINED/OPTION SELECTED

BACT-OTHER

93.000

NOX

CAS NO.

0.1700 LB/MMBTU

0.0000

SCR*

2/ 1 CONTROL OPTIONS EXAMINED/OPTION SELECTED

BACT-OTHER

37.000

CO	0.1100 LB/MMBTU	BACT-OTHER
CAS NO. 630-08-0	0.0000	0.000
	ADVANCED COMBUSTION CONTROL	
	2/ 2 CONTROL OPTIONS EXAMINED/OPTION SELECTED	
VOC	0.0036 LBS/MMBTU	BACT-OTHER
CAS NO.	0.0000	0.000
	ADVANCED COMBUSTION CONTROL	
	1/ 1 CONTROL OPTIONS EXAMINED/OPTION SELECTED	
VE	10.0000 %	BACT-OTHER
CAS NO.	0.0000	0.000
	FABRIC FILTER	

- NOTES: 1. * = SCR SYSTEM MUST BE DESIGNED TO ACHIEVE 0.10 LB/MM BTU NOX. AFTER FIVE YEARS OF OPERATION, THE FINAL PERMIT LIMIT WILL BE MODIFIED BY MULTIPLYING 1.2 WITH THE NOX LEVEL THAT CAN BE CONSISTENTLY ACHIEVED
2. COST INFORMATIONS SELECTED:
- PM - \$5240/TON
 - S02 - \$459/TON OF S02 REMOVAL
 - NOX - \$13196/TON

REPORT DATE: 07/27/93

DETAILED SOURCE LISTING (Part A)

PAGE H- 252

BLIS ID No. NJ-0015

DATE ENTERED/UPDATED: 06/14/93

COMPANY NAME/SITE LOCATION: KEYSTONE COGENERATION SYSTEMS, INC.

, NJ COUNTY

DETERMINATION IS FOR A NEW SOURCE.

PERMIT NO.

DATE OF PERMIT ISSUANCE-- 09/06/91

DETERMINATION MADE BY: NEW JERSEY DEPT OF ENV PROTECTION
(AGENCY)

ESTIMATED START-UP DATE-- 12/01/94

RAJESH PATEL

(609) 777-0416

(AGENCY CONTACT PERSON)

(PHONE)

AIRS ID NO.

EPA ID NO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT NAME	EMISSION LIMITS (PRIMARY) (STANDARDIZED)		
			CTRL EQUIPMENT/PROCESS MODIFICATION	BASIS	EST & EFF
			RANKING INFORMATION		

BOILER (PULVERIZED COAL)

0.00

PROCESS CODE 11.002

SCC CODE

PM

CAS NO.

0.0180 LBS/MMBTU

0.0000

BACT-OTHER

99.900

FABRIC FILTER

1/ 1 CONTROL OPTIONS EXAMINED/OPTION SELECTED

SO2

CAS NO. 7446-09-5

0.1600 LBS/MMBTU

0.0000

BACT-OTHER

93.000

SPRAY DRYER ADSORBER SCRUBBER

2/ 2 CONTROL OPTIONS EXAMINED/OPTION SELECTED

NOX

CAS NO.

0.1700 LB/MMBTU

0.0000

BACT-OTHER

37.000

SNCR OR SCR

2/ 1 CONTROL OPTIONS EXAMINED/OPTION SELECTED

CO	0.1100 LB/MMBTU	BACT-OTHER
CAS NO. 630-08-0	0.0000	0.000
	ADVANCED COMBUSTION CONTROL	
	2/ 2 CONTROL OPTIONS EXAMINED/OPTION SELECTED	
VOC	0.0036 LB/MMBTU	BACT-OTHER
CAS NO.	0.0000	0.000
	ADVANCED COMBUSTION CONTROL	
	1/ 1 CONTROL OPTIONS EXAMINED/OPTION SELECTED	
VE	10.0000 %	BACT-OTHER
CAS NO.	0.0000	0.000
	FABRIC FILTER	

- NOTES: 1. * = SCR OR SNCR SYSTEM MUST BE DESIGNED TO ACHIEVE 0.10 LB/MM BTU NOX.
AFTER FIVE YEARS OF OPERATION WITH SCR OR TWO YEARS OF OPERATION W/
SNCR SYSTEM, THE FINAL PERMIT LIMIT WILL BE MODIFIED BY MULTIPLYING
1.2 WITH THE NOX LEVEL THAT CAN BE CONSISTENTLY ACHIEVED.
2. COST INFORMATION FOR CONTROL OPTIONS SELECTED:
- S02 - \$519/TON
 - NOX - \$3980/TON (SNCR)
 - \$13196/TON (SCR)

REPORT DATE: 07/27/93

DETAILED SOURCE LISTING (Part A)
BLIS ID No. NV-0015

PAGE H- 254
DATE ENTERED/UPDATED: 06/01/93

COMPANY NAME/SITE LOCATION: SAGUARO POWER COMPANY
HENDERSON, NV 89015-

CLARK COUNTY

DETERMINATION IS FOR A NEW SOURCE.

PERMIT NO. A393

DETERMINATION MADE BY: CLARK CO HEALTH DIST, DIV APC, NV
(AGENCY)

DAVID C. LEE
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 06/17/91
ESTIMATED START-UP DATE-- 08/01/91
(702) 383-1276
(PHONE)

AIRS ID NO. 00002

EPA ID NO. NV002-A393

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT NAME	EMISSION LIMITS (PRIMARY) (STANDARDIZED)	CTRL EQUIPMENT/PROCESS MODIFICATION RANKING INFORMATION	BASIS EST % EFF
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COMBUSTION TURBINE GENERATOR

34.50 MW

PROCESS CODE 15.007
SCC CODE 201002

NOX	16.9000 PPH (WINTER)	BACT-PSD
CAS NO.	0.0000	80.000

SELECTIVE CATALYTIC REDUCTION

NH3	4.4000 PPH (WINTER)	0.000
CAS NO. 7664-41-7	0.0000	0.000

SELECTIVE CATALYTIC REDUCTION

CO	9.0000 PPH	BACT-PSD
CAS NO. 630-08-0	0.0000	90.000

CONVERTER (CATALYTIC)

VOC	0.8000 PPH	LAER
CAS NO.	0.0000	0.000

COMBUSTION SYSTEM

BLIS ID No. NV-0015

DATE ENTERED/UPDATED: 06/01/93

PM	2.5000 PPH	LAER
CAS NO.	0.0000	0.000
	COMBUSTION SYSTEM	

- NOTES:
1. CTG: COMBUSTION TURBINE GENERATOR, PPH: POUNDS PER HOUR
 2. THE PLANT IS ALLOWED TO FIRE NO. 2 DIESEL OIL FOR A MAXIMUM OF 20 DAYS PER YEAR.
 3. SUMMER EMISSION LIMITS FOR NOX AND NH3 ARE 9 & 10 PPMV RESPECTIVELY.
 4. WINTER EMISSION LIMITS FOR NOX AND NH3 ARE 11 & 8 PPMV RESPECTIVELY WHEN FIRING NATURAL GAS.
 5. SUMMER EMISSION LIMITS: NOX = 13.5 PPH, NH3 = 5.5 PPH.
 6. THIS IS A 92 MW COGENERATION POWER PLANT W/2 GE F-6 TURBINES

REPORT DATE: 07/27/93

DETAILED SOURCE LISTING (Part A)

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BLIS ID No. NV-0016

DATE ENTERED/UPDATED: 03/18/93

COMPANY NAME/SITE LOCATION: QUALITY SAND & GRAVEL
3662 S. VALLEY VIEW BLVD.
LAS VEGAS, NV 89103-

CLARK COUNTY

DETERMINATION IS FOR A MODIFIED SOURCE.

PERMIT NO. A375

DETERMINATION MADE BY: CLARK CO HEALTH DIST, DIV APC, NV
(AGENCY)

LORI WOHLTZ
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 08/03/92
ESTIMATED START-UP DATE-- / /
(702) 383-1276
(PHONE)

AIRS ID NO.

EPA ID NO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT NAME	EMISSION LIMITS (PRIMARY) (STANDARDIZED)	CTRL EQUIPMENT/PROCESS MODIFICATION RANKING INFORMATION	BASIS EST % EFF
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STONE QUARRYING

350000.00 TPY AGGREGATE

PROCESS CODE 90.024
SCC CODE 30502099

TSP
CAS NO.

38.8000 TPY
0.0000
LAER
0.000
WATER SPRAY BARS, CHEMICAL DUST SUPPRESS *
1/ 1 CONTROL OPTIONS EXAMINED/OPTION SELECTED

SAND AND GRAVEL PROCESSING

350000.00 TPY AGGREGATE

PROCESS CODE 90.024
SCC CODE 30502599

TSP
CAS NO.

38.8000 TPY
0.0000
LAER
0.000
WATER SPRAY BARS, CHEMICAL DUST SUPPRESS *
1/ 1 CONTROL OPTIONS EXAMINED/OPTION SELECTED

PM10	18.4000 TPY	LAER
CAS NO.	0.0000	0.000
WATER SPRAY BARS, CHEMICAL DUST SUPPRESS *		
1/ 1 CONTROL OPTIONS EXAMINED/OPTION SELECTED		

NOTES: 1. DETERMINATION FOR A MODIFICATION TO INCREASE THROUGHPUT CAPACITY.
INITIAL CAPACITY WAS LIMITED TO 72,000 TONS OF AGGREGATE PER YEAR.

REPORT DATE: 07/27/93

DETAILED SOURCE LISTING (Part A)

PAGE H- 258

BLIS ID No. NV-0017

DATE ENTERED/UPDATED: 03/04/93

COMPANY NAME/SITE LOCATION: NEVADA POWER COMPANY, HARRY ALLEN PEAKING PLANT
6226 W. SAHARA AVE, PO BOX 230
LAS VEGAS, NV 89151-

CLARK COUNTY

DETERMINATION IS FOR A NEW SOURCE.

PERMIT NO. A533

DETERMINATION MADE BY: CLARK CO HEALTH DIST, DIV APC, NV
(AGENCY)

BEN GRIFFITH
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 09/18/92
ESTIMATED START-UP DATE-- / /
(702) 383-1276
(PHONE)

AIRS ID NO.

EPA ID NO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT NAME	EMISSION LIMITS (PRIMARY) (STANDARDIZED)	CTRL EQUIPMENT/PROCESS MODIFICATION RANKING INFORMATION	BASIS EST % EFF
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COMBUSTION TURBINE ELECTRIC POWER GENERATION

600.00 MW (8 UNITS 75 EACH)

PROCESS CODE 15.004
SCC CODE 20100201

NOX
CAS NO. 10102-44-0

88.6000 TPY (EACH TURBINE)
0.0000
BACT-PSD
0.000

LOW NOX COMBUSTOR

4/ 1 CONTROL OPTIONS EXAMINED/OPTION SELECTED

CO
CAS NO. 630-08-0

152.5000 TPY (EACH TURBINE)
0.0000
BACT-PSD
0.000

PRECISION CONTROL FOR THE LOW NOX COMBUS *

SOX
CAS NO. 7446-09-5

27.1000 TPY (EACH TURBINE)
0.0000
BACT-PSD
0.000

SULFUR IN #2 DISTILLATE LIMITED TO 0.05%

2/ 1 CONTROL OPTIONS EXAMINED/OPTION SELECTED

30.6000 TPY (EACH TURBINE)	BACT-PSD
0.0000	0.000
PRECISION CONTROL FOR THE COMBUSTOR	
1/ 1 CONTROL OPTIONS EXAMINED/OPTION SELECTED	

PM10
CAS NO.

- NOTES: 1. CONSTRUCTION IS ESTIMATED TO START IN 1993; HADN'T BEGUN AS OF DECEMBER, 1992.
2. LOW NOX COMBUSTOR MODEL #: DLN-1 (1ST YR.), DLN-2 (AFTER 1ST YR.)

REPORT DATE: 07/27/93

DETAILED SOURCE LISTING (Part A)

PAGE H- 260

BLIS ID No. NV-0018

DATE ENTERED/UPDATED: 03/04/93

COMPANY NAME/SITE LOCATION: NEVADA COGENERATION ASSOCIATES #2
420 N. NELLIS BLVD. #A3-117
LAS VEGAS, NV 89110-

CLARK COUNTY

DETERMINATION IS FOR A NEW SOURCE.

PERMIT NO. A391

DETERMINATION MADE BY: CLARK CO HEALTH DIST, DIV APC, NV
(AGENCY)

DAVID C. LEE
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 01/17/91
ESTIMATED START-UP DATE-- 09/01/92
(702) 383-1276
(PHONE)

AIRS ID NO.

EPA ID NO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT NAME	EMISSION LIMITS (PRIMARY) (STANDARDIZED)		BASIS EST % EFF
			CTRL EQUIPMENT/PROCESS MODIFICATION RANKING INFORMATION		

COMBINED-CYCLE POWER GENERATION

85.00 MW POWER OUTPUT

PROCESS CODE 15.004
SCC CODE 20100201

NOX	61.2600 LBS/HR	BACT-PSD
CAS NO. 10102-44-0	268.3200 TPY	0.000

SELECTIVE CATALYTIC SYSTEM ON ONE UNIT

CO	39.9800 LBS/HR	BACT-PSD
CAS NO. 630-08-0	140.0700 TON/YR	0.000

CATALYTIC CONVERTER

1/ 1 CONTROL OPTIONS EXAMINED/OPTION SELECTED

NH3	3.1800 LBS/HR	OTHER
CAS NO. 7664-41-7	41.7900 TON/YR	0.000

CONTROL OF NOX TO NH3 RATIO

1/ 1 CONTROL OPTIONS EXAMINED/OPTION SELECTED

BLIS ID No. NV-0018

DATE ENTERED/UPDATED: 03/04/93

PM10	3.0000 LBS/HR	BACT-PSD
CAS NO.	13.1400 TPY	0.000
1/ 1 CONTROL OPTIONS EXAMINED/OPTION SELECTED		
HC (NON-METHANE)	6.0000 LBS/HR	BACT-PSD
CAS NO. SEQ. 11	26.2800 TPY	0.000
1/ 1 CONTROL OPTIONS EXAMINED/OPTION SELECTED		
S02	2.1000 LB/HR	BACT-PSD
CAS NO. 7446-09-5	9.2000 TPY	0.000
USE OF LOW-SULFUR OIL AS THE STANDBY FUE *		
1/ 1 CONTROL OPTIONS EXAMINED/OPTION SELECTED		

NOTES: 1. THE PLANT IS LOCATED 12 MILES EAST OF NORTH LAS VEGAS CITY HALL, NEAR

PABCO GYPSUM PLANT. IT CONSISTS OF 3 GE LM-2500 COMBUSTION GAS TURBINE GENERATORS, 3 HEAT RECOVERY STEAM GENERATORS, AND 1 STEAM TURBINE.

2. ADDITIONAL PRIMARY EMISSION LIMITS:

POLLUTANT	LIMIT	POLLUTANT	LIMIT
NOX	268.32 TPY	PM10	13.14 TPY
CO	140.07 TPY	HC	26.28 TPY
NH3	41.79 TPY	S02	9.2 TPY

REPORT DATE: 07/27/93

DETAILED SOURCE LISTING (Part A)

PAGE H- 262

BLIS ID No. NV-0019

DATE ENTERED/UPDATED: 03/18/93

COMPANY NAME/SITE LOCATION: GEORGIA PACIFIC CORPORATION
11401 U.S. HIGHWAY 91
NORTH LAS VEGAS, NV 89030-

CLARK COUNTY

DETERMINATION IS FOR A MODIFIED SOURCE.

PERMIT NO. A593

DETERMINATION MADE BY: CLARK CO HEALTH DIST, DIV APC, NV
(AGENCY)

DAVID C. LEE
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 07/13/92
ESTIMATED START-UP DATE-- 10/01/92
(702) 383-1276
(PHONE)

AIRS ID NO. 05517

EPA ID NO. 05517

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT NAME	EMISSION LIMITS (PRIMARY) (STANDARDIZED)		
			CTRL EQUIPMENT/PROCESS MODIFICATION RANKING INFORMATION	BASIS	EST & EFF

GYPSUM WALL BOARD MANUFACTURING

864.00 TONS/DAY

PROCESS CODE 90.024
SCC CODE 30501599

PM10
CAS NO.

8.0900 LBS/HR
35.5000 TON/YR
BACT-PSD
98.000

BAGHOUSE FOR SEVERAL POINT SOURCES

3/ 1 CONTROL OPTIONS EXAMINED/OPTION SELECTED

SO2
CAS NO.

7446-09-5

1.8200 LBS/HR
0.0000
BACT-PSD
0.000

STAND-BY FUEL (OIL) HAS THE MAXIMUM S OF *

CO
CAS NO.

630-08-0

51.8500 LBS/HR
227.1000 TON/YR
BACT-PSD
95.000

CATALYTIC CONVERTER

2/ 1 CONTROL OPTIONS EXAMINED/OPTION SELECTED

BLIS ID No. NV-0019

DATE ENTERED/UPDATED: 03/18/93

NOX

14.6000 LBS/HR

BACT-PSD

CAS NO. 10102-44-0

0.0000

90.000

MASSIVE STEAM INJECTION OR SCR

NOTES: 1. DETERMINATION FOR WALL BOARD MANUFACTURING USING GYPSUM AS RAW MATERIAL.

THE PROCESS INCLUDES PULVERIZING, CALCINING, DRYING, AND TRIMMING.

2. THE EXISTING SOURCE IS IN AN ATTAINMENT AREA WHERE BACT APPLIES FOR ALL

THE CRITERIA AIR POLLUTANTS. THE MODIFICATIONS WILL ALLOW THE FACILITY

TO RECEIVE TURBINE EXHAUST GAS FROM THE ADJACENT POWER COGENERATION

PLANT WHICH IS A SEPARATE STATIONARY SOURCE. PLANT IS LOCATED 21 MILES

NE OF LAS VEGAS NEAR I-95 IN APEX.

3. ADDITIONAL PRIMARY EMISSION LIMITS (ALL IN TYP): PM10=35.5, SO2=8.0,

CO=227.1, NOX=63.9 . ADDITIONAL BASELINE EMISSION RATES (IN TYP):

PM10=25.4, SO2=0.3, CO=11.8, NOX=49.9 .

REPORT DATE: 07/27/93

DETAILED SOURCE LISTING (Part A)

PAGE H- 264

BLIS ID No. NV-0020

DATE ENTERED/UPDATED: 03/04/93

COMPANY NAME/SITE LOCATION: NEVADA COGENERATION ASSOCIATES #1
420 N. NELLIS BLVD. #A3-117
LAS VEGAS, NV 89110-

CLARK COUNTY

DETERMINATION IS FOR A NEW SOURCE.

PERMIT NO. A360

DETERMINATION MADE BY: CLARK CO HEALTH DIST, DIV APC, NV
(AGENCY)

DAVID C. LEE
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 01/17/91
ESTIMATED START-UP DATE-- / /
(702) 383-1276
(PHONE)

AIRS ID NO. 00037

EPA ID NO. 00037

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT NAME	EMISSION LIMITS (PRIMARY) (STANDARDIZED)	CTRL EQUIPMENT/PROCESS MODIFICATION RANKING INFORMATION	BASIS EST % EFF
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COMBINED-CYCLE POWER GENERATION

85.00 MW TOTAL OUTPUT

PROCESS CODE 15.004
SCC CODE 20100201

NOX
CAS NO. 10102-44-0

61.2600 LBS/HR
268.3200 TON/YR

BACT-PSD
0.000

SELECTIVE CATALYTIC SYSTEM ON ONE UNIT

CO
CAS NO. 630-08-0

39.9800 LBS/HR
140.0700 TON/YR

BACT-PSD
0.000

CATALYTIC CONVERTER

1/ 1 CONTROL OPTIONS EXAMINED/OPTION SELECTED

NH3
CAS NO. 7664-41-7

3.1800 LBS/HR
41.7900 TON/YR

OTHER
0.000

CONTROL OF NOX TO NH3 RATIO

1/ 1 CONTROL OPTIONS EXAMINED/OPTION SELECTED

BLIS ID No. NV-0020

DATE ENTERED/UPDATED: 03/04/93

PM10	3.0000 LBS/HR	BACT-PSD
CAS NO.	13.1400 TON/YR	0.000
1/ 1 CONTROL OPTIONS EXAMINED/OPTION SELECTED		
HC (NON-METHANE)	6.0000 LBS/HR	BACT-PSD
CAS NO. SEQ. 11	26.2800 TON/YR	0.000
1/ 1 CONTROL OPTIONS EXAMINED/OPTION SELECTED		
S02	2.1000 LBS/HR	BACT-PSD
CAS NO. 7446-09-5	9.2000 TON/YR	0.000
USE OF LOW-SULFUR OIL AS THE STAND-BY FU *		
1/ 1 CONTROL OPTIONS EXAMINED/OPTION SELECTED		

- NOTES: 1. DETERMINATION FOR COMBINED-CYCLE POWER GENERATION FROM COMBUSTION GAS TURBINES. PLANT IS LOCATED 21 MILES NE OF LAS VEGAS, NEAR I-15 IN APEX. IT CONSISTS OF 3 GE LM-2500 COMBUSTION GAS TURBINE GENERATORS, 3 HEAT RECOVERY STEAM GENERATORS, AND 1 STEAM TURBINE. A 2-YEAR "SCR FIELD TEST" WILL BE CONDUCTED ON ONE TURBINE & RESULT WILL BE USED TO WHETHER THE OTHER TWO UNITS WILL BE RETROFITTED WITH SCR'S.
2. CONSTRUCTION WAS STARTED SOMETIME IN 1991.
3. ALTERNATIVE PRIMARY EMISSION LIMITS: NOX - 268.32 TPY; CO - 140.07 TPY; NH3 - 41.79 TPY; PM10 - 13.14 TPY; HC (NON-METHANE) - 26.28 TPY; S02 - 9.2 TPY.

REPORT DATE: 07/27/93

DETAILED SOURCE LISTING (Part A)

PAGE H- 266
DATE ENTERED/UPDATED: 06/07/93

BLIS ID No. NV-0021

COMPANY NAME/SITE LOCATION: NEVADA READY MIX - LONE MOUNTAIN ROAD FACILITY
P.O. BOX 42725
LAS VEGAS, NV 89116-

CLARK COUNTY

DETERMINATION IS FOR A MODIFIED SOURCE.

PERMIT NO. A512

DETERMINATION MADE BY: CLARK CO HEALTH DIST, DIV APC, NV
(AGENCY)

DAVID C. LEE
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- / /
ESTIMATED START-UP DATE-- / /
(702) 383-1276
(PHONE)

AIRS ID NO. 08134

EPA ID NO. NV002-A512

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT NAME	EMISSION LIMITS (PRIMARY) (STANDARDIZED)		
			CTRL EQUIPMENT/PROCESS MODIFICATION RANKING INFORMATION	BASIS EST % EFF	

SAND AND GRAVEL MINING & PROCESSING

3.00 MM TPY AGGREGATE

PROCESS CODE 90.024
SCC CODE 305025

PM10
CAS NO.

160.0000 TPY
160.0000 TPY

BACT-OTHER
90.000

WATER TRUCK, WATER SPRAY BARS

1/ 1 CONTROL OPTIONS EXAMINED/OPTION SELECTED

TSP
CAS NO.

339.0000 TPY
339.0000 TPY

BACT-OTHER
90.000

WATER TRUCK, WATER SPRAY BARS

1/ 1 CONTROL OPTIONS EXAMINED/OPTION SELECTED

NOTES: 1. ADDING PROCESS EQUIPMENT AND INCREASING PRODUCTION CAPACITY.

2. FACILITY CONDUCTS STONE QUARRYING, SAND AND GRAVEL PROCESSING FOR
CONCRETE BATCHING.

BLIS ID No. NV-0022

DATE ENTERED/UPDATED: 06/07/93

COMPANY NAME/SITE LOCATION: LAS VEGAS PAVING CORPORATION - LONE MOUNTAIN PIT 1
4220 S. DECATUR BOULEVARD
LAS VEGAS, NV 89103-

CLARK COUNTY

DETERMINATION IS FOR A MODIFIED SOURCE.

PERMIT NO. A105

DETERMINATION MADE BY: CLARK CO HEALTH DIST, DIV APC, NV
(AGENCY)

DAVID C. LEE
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 06/01/92
ESTIMATED START-UP DATE-- / /
(702) 383-1276
(PHONE)

AIRS ID NO. 08122

EPA ID NO. NV002-A105

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT NAME	EMISSION LIMITS (PRIMARY) (STANDARDIZED) CTRL EQUIPMENT/PROCESS MODIFICATION RANKING INFORMATION	BASIS EST % EFF
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SAND AND GRAVEL MINING & PROCESSING

5.00 MM TPY*

PROCESS CODE 90.024

SCC CODE 305025

PM10

CAS NO.

50.9000 TPY

50.9000 TPY

LAER

90.000

WATER TRUCKS, WATER SPRAY BARS

2/ 1 CONTROL OPTIONS EXAMINED/OPTION SELECTED

TSP

CAS NO.

107.8000 TPY

0.0000

LAER

90.000

WATER TRUCKS, WATER SPRAY BARS

2/ 1 CONTROL OPTIONS EXAMINED/OPTION SELECTED

NOTES: 1. ADDING PROCESS EQUIPMENT AND INCREASING PRODUCTION CAPACITY.

2. FACILITY IS FOR STONE QUARRYING, SAND AND GRAVEL PROCESSING FOR
CONCRETE BATCHING.

3. * - THROUGHPUT CAPACITY/SIZE IDENTIFIED AS 1-5 MILLION TONS PER YEAR.

REPORT DATE: 07/27/93

DETAILED SOURCE LISTING (Part A)

PAGE H- 268

BLIS ID No. NY-0044

DATE ENTERED/UPDATED: 04/30/93

COMPANY NAME/SITE LOCATION: BROOKLYN NAVY YARD COGENERATION PARTNERS L.P.
BROOKLYN NAVY YARD BUILDING 41
NEW YORK CITY, NY

KINGS COUNTY

DETERMINATION IS FOR A NEW SOURCE.

PERMIT NO. 2-6101-00185/00002-9

DETERMINATION MADE BY: NEW YORK DEC, DIV OF AIR RESOURCES

(AGENCY)

STEVE DESENTIS

(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- / /

ESTIMATED START-UP DATE-- 12/01/95

(518) 457-7688

(PHONE)

AIRS ID NO.

EPA ID NO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT NAME	EMISSION LIMITS (PRIMARY) (STANDARDIZED)		BASIS EST & EFF
			CTRL EQUIPMENT/PROCESS MODIFICATION RANKING INFORMATION		

TURBINE, NATURAL GAS FIRED

240.00 MW

PROCESS CODE 15.004

SCC CODE 20200201

NOX

CAS NO.

3.5000 PPMV

0.0000

LAER

0.000

SCR

CO

CAS NO. 630-08-0

4.0000 PPM

0.0000

LAER

0.000

TURBINE, OIL FIRED

240.00 MW

PROCESS CODE 15.002

SCC CODE 20200101

NOX

CAS NO.

10.0000 PPMV

0.0000

LAER

0.000

SCR

GENERATOR, 3000 KW EMERGENCY	3000.00 KW				
	PROCESS CODE 15.002				
	SCC CODE 20100102				
			CO	5.0000 PPMV	LAER
			CAS NO. 630-08-0	0.0000	0.000
			NOX	2.6000 LB/MMBTU	LAER
			CAS NO.	0.0000	0.000
			CO	0.2500 LB/MMBTU	LAER
			CAS NO. 630-08-0	0.0000	0.000

NOTES: Turbines will be points 001 and 002

REPORT DATE: 07/27/93

DETAILED SOURCE LISTING (Part A)
BLIS ID No. NY-0045

PAGE H- 270
DATE ENTERED/UPDATED: 07/06/93

COMPANY NAME/SITE LOCATION: SELKIRK COGENERATION PARTNERS, L.P.
SELKIRK, NY COUNTY

DETERMINATION IS FOR A NEW SOURCE.

PERMIT NO. 4-0122-00078/00002-9

DETERMINATION MADE BY: NEW YORK DEC, DIV OF AIR RESOURCES
(AGENCY)

MATTHEW POLGE
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 06/18/92
ESTIMATED START-UP DATE-- / /
(518) 457-7688
(PHONE)

AIRS ID NO.

EPA ID NO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT NAME	EMISSION LIMITS (PRIMARY) (STANDARDIZED) CTRL EQUIPMENT/PROCESS MODIFICATION RANKING INFORMATION	BASIS EST % EFF
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COMBUSTION TURBINES (2) (252 MW)

1173.00 MMBTU/HR (EACH)

PROCESS CODE 15.004
SCC CODE

NOX
CAS NO.

9.0000 PPM GAS
0.0000
STEAM INJECTION AND SCR

BACT-OTHER
0.000

SO2
CAS NO. 7446-09-5

0.2000 % SULFUR OIL
0.0000
LOW SULFUR OIL

BACT-OTHER
0.0000

CO
CAS NO. 630-08-0

10.0000 PPM
0.0000
COMBUSTION CONTROLS

BACT-OTHER
0.000

PM/PM10
CAS NO.

0.0040 LB/MMBTU GAS (BASE)
0.0000
LOW SULFUR OIL AND COMBUSTION CONTROLS

BACT-OTHER
0.000

BLIS ID No. NY-0045

DATE ENTERED/UPDATED: 07/06/93

DUCT BURNERS (2)

206.00 MMBTU/HR (EACH)

PROCESS CODE 11.005
SCC CODE

H2SO4 MIST CAS NO. 7664-93-9	0.0210 LB/MMBTU OIL 0.0000 LOW SULFUR OIL	BACT-OTHER 0.000
NOX CAS NO.	0.0181 LB/MMBTU GAS 0.0000 LOW NOX BURNER AND SCR	BACT-OTHER 0.000
SO2 CAS NO. 7446-09-5	0.2000 % SULFUR OIL 0.0000 LOW SULFUR OIL	BACT-OTHER 0.000
CO CAS NO. 630-08-0	0.0730 LB/MMBTU GAS, 100% 0.0000 COMBUSTION CONTROLS	BACT-OTHER 0.000
PM/PM10 CAS NO.	0.0140 LB/MMBTU, GAS 0.0000 LOW SULFUR OIL AND COMBUSTION CONTROLS	BACT-OTHER 0.000
H2SO4 MIST CAS NO. 7664-93-9	0.0035 LB/MMBTU 0.0000 LOW SULFUR OIL	BACT-OTHER 0.000
NOX CAS NO.	25.0000 PPM GAS 0.0000 STEAM INJECTION	BACT-OTHER 0.000
SO2 CAS NO. 7446-09-5	0.2000 % SULFUR OIL 0.0000 LOW SULFUR OIL	BACT-OTHER 0.000

COMBUSTION TURBINE (79 MW)

1173.00 MMBTU/HR

PROCESS CODE 15.004
SCC CODE

BLIS ID No. NY-0045

DATE ENTERED/UPDATED: 07/06/93

DUCT BURNER		123.00 MMBTU/HR			
PROCESS CODE 11.005					
SCC CODE					
CO			25.0000 PPM	BACT-OTHER	
CAS NO. 630-08-0			0.0000	0.000	
			COMBUSTION CONTROL		
PM/PM10			0.0040 LB/MMBTU, GAS	BACT-OTHER	
CAS NO.			0.0000	0.000	
			LOW SULFUR OIL AND COMBUSTION CONTROL		
NOX			0.0910 LB/MMBTU, GAS	BACT-OTHER	
CAS NO.			0.0000	0.000	
			LOW NOX BURNER		
SO2			0.2000 % SULFUR OIL	BACT-OTHER	
CAS NO. 7446-09-5			0.0000	0.000	
			LOW SULFUR OIL		
CO			0.0720 LB/MMBTU GAS (100%)	BACT-OTHER	
CAS NO. 630-08-0			0.0000	0.000	
			COMBUSTION CONTROL		
PM/PM10			0.0140 LB/MMBTU, GAS	BACT-OTHER	
CAS NO.			0.0000	0.000	
			LOW SULFUR OIL AND COMBUSTION CONTROLS		

NOTES: 1. OIL USAGE LIMITED TO 2190 HPV.

2. 79 MW TURBINE AND DUCT BURNER ARE MODIFIED SOURCES FROM 01/11/90 REPORT.

3. NSPS LEVELS: TURBINES - NOX=75 PPM, SO2=0.8% SOIL; DUCT BURNERS - NOX=0.2 LB/MMBTU, SO2=0.5 LB/MMBTU.

4. SEVERAL OTHER EMISSION LIMITS IDENTIFIED IN APPENDICES TO DETERMINATIONS

- NSPS LIMITS ARE SET IN 40 CFR PART 60 SUBPART GG "STATIONARY GAS TURBINES".

- SCP EMISSION LIMITS COVER GAS, OIL, AND PROPANE/BTANE, AND ALL ARE BASED ON ONE-HOUR AVERAGES.

5. SOME LIMITS ARE SET IN 40 CFR PART 60 SUBPART DB.

REPORT DATE: 07/27/93

DETAILED SOURCE LISTING (Part A)

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BLIS ID No. NY-0046

DATE ENTERED/UPDATED: 07/06/93

COMPANY NAME/SITE LOCATION: SARANAC ENERGY COMPANY
PLATTSBURGH, NY

COUNTY

DETERMINATION IS FOR A NEW SOURCE.

PERMIT NO. 5-0942-00106/00001-9

DETERMINATION MADE BY: NEW YORK DEC, DIV OF AIR RESOURCES
(AGENCY)

MATTHEW POLGE
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 07/31/92
ESTIMATED START-UP DATE-- / /
(518) 457-7688
(PHONE)

AIRS ID NO.

EPA ID NO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT NAME	EMISSION LIMITS (PRIMARY) (STANDARDIZED)	CTRL EQUIPMENT/PROCESS MODIFICATION RANKING INFORMATION	BASIS EST & EFF
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TURBINES, COMBUSTION (2) (NATURAL GAS)

1123.00 MMBTU/HR (EACH)

PROCESS CODE 15.004
SCC CODE

NOX
CAS NO.

9.0000 PPM
0.0000

BACT-OTHER
0.000

SCR

CO
CAS NO. 630-08-0

3.0000 PPM
0.0000

BACT-OTHER
0.000

OXIDATION CATALYST

PM/PM10
CAS NO.

0.0062 LB/MMBTU
0.0000

BACT-OTHER
0.000

COMBUSTION CONTROLS

VOC
CAS NO.

0.0045 LB/MMBTU
0.0000

BACT-OTHER
0.000

OXIDATION CATALYST

BLIS ID No. NY-0046

DATE ENTERED/UPDATED: 07/06/93

BURNERS, DUCT (2)

553.00 MMBTU/HR EACH

PROCESS CODE 11.005
SCC CODENOX
CAS NO.
0.0800 LB/MMBTU
0.0000
BACT-OTHER
0.000

SCR

CO
CAS NO. 630-08-00.0600 LB/MMBTU
0.0000
BACT-OTHER
0.000

OXIDATION CATALYST

PM/PM10
CAS NO.0.0030 LB/MMBTU
0.0000
BACT-OTHER
0.000

COMBUSTION CONTROLS

VOC
CAS NO.0.0011 LB/MMBTU
0.0000
BACT-OTHER
0.000

OXIDATION CATALYST

BOILER, AUXILIARY (GAS OR LPG)

0.00

PROCESS CODE 11.004
SCC CODENOX
CAS NO.0.1360 LB/MMBTU
0.0000
BACT-OTHER
0.000

LOW NOX BURNERS

CO
CAS NO. 630-08-00.1180 LB/MMBTU
0.0000
BACT-OTHER
0.000

COMBUSTION CONTROLS

PM/PM10
CAS NO.0.0045 LB/MMBTU
0.0000
BACT-OTHER
0.000

COMBUSTION CONTROLS

VOC
CAS NO.0.0045 LB/MMBTU
0.0000
BACT-OTHER
0.000

COMBUSTION CONTROLS

GENERATORS, STAND-BY (2)

19.48 MMBTU/HR (EACH)

PROCESS CODE 11.004
SCC CODENOX
CAS NO.
0.3590 LB/MMBTU
0.0000
LEAN BURN ENGINE
BACT-OTHER
0.000CO
CAS NO. 630-08-00.3830 LB/MMBTU
0.0000
COMBUSTION CONTROL
BACT-OTHER
0.000PM/PM10
CAS NO.0.0130 LB/MMBTU (GAS)
0.0000
COMBUSTION CONTROL
BACT-OTHER
0.000VOC
CAS NO.0.1440 LB/MMBTU
0.0000
COMBUSTION CONTROL
BACT-OTHER
0.000

GENERATOR, EMERGENCY (#2 DIESEL FUEL)

14.68 MMBTU/HR

PROCESS CODE 11.006
SCC CODENOX
CAS NO.2.4700 LB/MMBTU
0.0000
LEAN BURN ENGINE
BACT-OTHER
0.000CO
CAS NO. 630-08-01.7600 LB/MMBTU
0.0000
COMBUSTION CONTROL
BACT-OTHER
0.000PM/PM10
CAS NO.0.0470 LB/MMBTU
0.0000
COMBUSTION CONTROL
BACT-OTHER
0.000VOC
CAS NO.0.1080 LB/MMBTU
0.0000
COMBUSTION CONTROL
BACT-OTHER
0.000

GENERATOR, MAINTENANCE (#2 FUEL OIL)	4.85 MMBTU/HR				
PROCESS CODE 11.006		NOX	2.9100 LB/MMBTU		BACT-OTHER
SCC CODE		CAS NO.	0.0000		0.000
			LEAN BURN ENGINE		
		CO	1.5700 LB/MMBTU		BACT-OTHER
		CAS NO. 630-08-0	0.0000		0.000
			COMBUSTION CONTROL		
		PM/PM10	0.0470 LB/MMBTU		BACT-OTHER
		CAS NO.	0.0000		0.000
			COMBUSTION CONTROL		
		VOC	0.0350 LB/MMBTU		BACT-OTHER
		CAS NO.	0.0000		0.000
			COMBUSTION CONTROL		

- NOTES:
1. LPG - LIQUID PETROLEUM GAS.
 2. DUCT BURNERS ARE FOR NATURAL GAS ONLY; AUX. BOILER USES GAS OR LPG ONLY;
STAND-BY GENERATORS USE GAS, WITH LPG AS A BACKUP.
 3. THE (2) 240 MW COMBUSTION TURBINES ARE GE FRAME 7EA MODELS.
 4. FOR EMERGENCY DIESEL GENERATOR: #2 FUEL OIL ONLY WITH SULFUR NO GREATER
THAN 0.30% BY WEIGHT. HOURS OF OPERATION LIMITED TO 2190 HPY,
CALCULATED ON A DAILY ROLLING BASIS.
 5. FOR MAINTENANCE GENERATOR: #2 FUEL OIL ONLY WITH SULFUR NO GREATER THAN
0.30% BY WEIGHT. HOURS OF OPERATION LIMITED TO 2190 HPY, CALCULATED ON
A DAILY ROLLING BASIS.

BLIS ID No. NY-0047

DATE ENTERED/UPDATED: 06/24/93

COMPANY NAME/SITE LOCATION: PASNY/HOLTSVILLE COMBINED CYCLE PLANT
HOLTSVILLE, NY

COUNTY

DETERMINATION IS FOR A NEW SOURCE.

PERMIT NO. 1-4722-00926/00001-9

DETERMINATION MADE BY: NEW YORK DEC, DIV OF AIR RESOURCES
(AGENCY)

MATTHEW POLGE
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 09/01/92
ESTIMATED START-UP DATE-- / /
(518) 457-7688
(PHONE)

AIRS ID NO.

EPA ID NO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT NAME	EMISSION LIMITS (PRIMARY) (STANDARDIZED)	CTRL EQUIPMENT/PROCESS MODIFICATION RANKING INFORMATION	BASIS EST % EFF
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TURBINE, COMBUSTION GAS (150 MW)

1146.00 MMBTU/HR (GAS)*

PROCESS CODE 15.007
SCC CODE

NOX (FROM GAS)
CAS NO.

9.0000 PPM
0.0000
DRY LOW NOX

BACT-OTHER
0.000

NOX (FROM OIL)
CAS NO.

42.0000 PPM
0.0000
WATER INJECTOR

BACT-OTHER
0.000

SO2

CAS NO. 7446-09-5

0.2000 % SULFUR OIL
0.0000
LOW SULFUR OIL

BACT-OTHER
0.000

CO

CAS NO. 630-08-0

8.5000 PPM
0.0000
COMBUSTION CONTROL

BACT-OTHER
0.000

FIRE PUMP (DIESEL)		1.30 MMBTU/HR		
PROCESS CODE 15.002	NOX	1.3000 LB/MMBTU	BACT-OTHER	0.000
SCC CODE	CAS NO.	0.0000	LEAN BURN ENGINE	
	SO2	0.2000 % SULFUR OIL	BACT-OTHER	0.000
	CAS NO. 7446-09-5	0.0000	LOW SULFUR OIL	
	CO	0.7100 LB/MMBTU	BACT-OTHER	0.000
	CAS NO. 630-08-0	0.0000	COMBUSTION CONTROL	
GENERATOR, EMERGENCY (NATURAL GAS)		1.50 MMBTU/HR		
PROCESS CODE 15.004	NOX	1.3000 LB/MMBTU	BACT-OTHER	0.000
SCC CODE	CAS NO.	0.0000	LEAN BURN ENGINE	
	SO2	0.0000	BACT-OTHER	0.000
	CAS NO. 7446-09-5	0.0000	CLEAN FUEL	
	CO	6.5000 LB/MMBTU	BACT-OTHER	0.000
	CAS NO. 630-08-0	0.0000	COMBUSTION CONTROL	

- NOTES: 1. * = THROUGHPUT CAPACITY FOR TURBINE IDENTIFIED FOR GAS COMBUSTION; THE THROUGHPUT CAPACITY FOR OIL COMBUSTION IS 1291 MMBTU/HR.
2. COMBUSTION GAS TURBINE MAY OPERATE FOR 1440 HPY ON OIL; CALCULATED ON A DAILY ROLLING BASIS.
3. THE EMERGENCY GENERATOR AND THE DIESEL FIRE PUMP USE SHALL NOT EXCEED 104 HPY CALCULATED WITHIN ANY CONSECUTIVE 365 DAY PERIOD.
4. TURBINE IS A SIEMANS V84.2 COMBUSTION GAS TURBINE.

BLIS ID No. NY-0048

DATE ENTERED/UPDATED: 07/02/93

COMPANY NAME/SITE LOCATION: KAMINE/BESICORP CORNING L.P.
SOUTH CORNING, NY

COUNTY

DETERMINATION IS FOR A NEW SOURCE.

PERMIT NO. 8-4638-00022/01-0

DETERMINATION MADE BY: NEW YORK DEC, DIV OF AIR RESOURCES

(AGENCY)

RANDY ORR

(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 11/05/92

ESTIMATED START-UP DATE-- / /

(518) 457-7688

(PHONE)

AIRS ID NO.

EPA ID NO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT NAME	EMISSION LIMITS (PRIMARY) (STANDARDIZED)	CTRL EQUIPMENT/PROCESS MODIFICATION RANKING INFORMATION	BASIS EST & EFF
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TURBINE, COMBUSTION (79 MW)

653.00 MMBTU/HR

PROCESS CODE 15.004
SCC CODENOX
CAS NO.9.0000 PPM
0.0000
DRY LOW NOX OR SCRBACT-OTHER
0.000

BURNER, DUCT

90.00 MMBTU/HR

PROCESS CODE 11.005
SCC CODENOX
CAS NO.0.1000 LB/MMBTU
0.0000
LOW NOX BURNERBACT-OTHER
0.000PM/PM10
CAS NO.0.0500 LB/MMBTU
0.0000
COMBUSTION CONTROLBACT-OTHER
0.000

BLIS ID No. NY-0049

DATE ENTERED/UPDATED: 07/02/93

COMPANY NAME/SITE LOCATION: KAMINE/BESICORP BEAVER FALLS COGENERATION FACILITY
BEAVER FALLS, NY

COUNTY

DETERMINATION IS FOR A NEW SOURCE.

PERMIT NO. 6-2320-00018/00001-0

DETERMINATION MADE BY: NEW YORK DEC, DIV OF AIR RESOURCES
(AGENCY)RANDY ORR
(AGENCY CONTACT PERSON)DATE OF PERMIT ISSUANCE-- 11/09/92
ESTIMATED START-UP DATE-- / /
(518) 457-7688
(PHONE)

AIRS ID NO.

EPA ID NO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT NAME	EMISSION LIMITS (PRIMARY) (STANDARDIZED)	CTRL EQUIPMENT/PROCESS MODIFICATION RANKING INFORMATION	BASIS EST & EFF
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TURBINE, COMBUSTION (NAT. GAS & OIL FUEL) (79MW) 650.00 MMBTU/HR

PROCESS CODE 15.007
SCC CODENOX (FROM GAS)
CAS NO.9.0000 PPM
0.0000
DRY LOW NOX OR SCRBACT-OTHER
0.000NOX (FROM OIL)
CAS NO.55.0000 PPM
0.0000
DRY LOW NOX OR SCRBACT-OTHER
0.000SO2
CAS NO. 7446-09-50.0800 % SULFUR OIL
0.0000
LOW SULFUR OILBACT-OTHER
0.000CO
CAS NO. 630-08-09.5000 PPM
0.0000
COMBUSTION CONTROLSBACT-OTHER
0.000

BLIS ID No. NY-0049

DATE ENTERED/UPDATED: 07/02/93

BURNER, DUCT		90.00 MMBTU/HR			
PROCESS CODE 11.004					
SCC CODE					
PM/PM10 (FROM GAS)	0.0080 LB/MMBTU	BACT-OTHER			
CAS NO.	0.0000	0.000			
	COMBUSTION CONTROLS				
PM/PM10 (FROM OIL)	0.0300 LB/MMBTU	BACT-OTHER			
CAS NO.	0.0000	0.000			
	COMBUSTION CONTROLS				
VOC	0.0070 LB/MMBTU	BACT-OTHER			
CAS NO.	0.0000	0.000			
	COMBUSTION CONTROLS				
NOX (FROM GAS)	0.1000 LB/MMBTU	BACT-OTHER			
CAS NO.	0.0000	0.000			
	LOW NOX BURNER				
NOX (FROM OIL)	0.1800 LB/MMBTU	BACT-OTHER			
CAS NO.	0.0000	0.000			
	LOW NOX BURNER				
SO2	0.0800 % SULFUR OIL	BACT-OTHER			
CAS NO. 7446-09-5	0.0000	0.000			
	LOW SULFUR OIL				
CO	0.1500 LB/MMBTU	BACT-OTHER			
CAS NO. 6330-08-0	0.0000	0.000			
	COMBUSTION CONTROL				
PM/PM10 (FROM GAS)	0.0500 LB/MMBTU	BACT-OTHER			
CAS NO.	0.0000	0.000			
	COMBUSTION CONTROL				
PM/PM10 (FROM OIL)	0.0600 LB/MMBTU	BACT-OTHER			
CAS NO.	0.0000	0.000			
	COMBUSTION CONTROL				

VOC	0.0900 LB/MMBTU	BACT-OTHER
CAS NO.	0.0000	0.000
COMBUSTION CONTROL		

- NOTES:
1. TURBINE IS A SIEMANS V.64.
 2. GRANTED A 2 YEAR INNOVATIVE TECHNOLOGY WAIVER TO ACHIEVE 9 PPM NOX (GAS) USING DRY LOW NOX SYSTEM.
 3. FUEL OIL USAGE IS LIMITED TO 2000 HPY.

REPORT DATE: 07/27/93

DETAILED SOURCE LISTING (Part A)
BLIS ID No. NY-0050

PAGE H- 284
DATE ENTERED/UPDATED: 06/18/93

COMPANY NAME/SITE LOCATION: SITHE/INDEPENDENCE POWER PARTNERS

OSWEGO, NY

COUNTY

DETERMINATION IS FOR A NEW SOURCE.

PERMIT NO. 7-3556-00040-00007-9

DETERMINATION MADE BY: NEW YORK DEC, DIV OF AIR RESOURCES

(AGENCY)

STEVEN DESANTIS

(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 11/24/92

ESTIMATED START-UP DATE-- / /

(518) 457-7688

(PHONE)

FIRS ID NO.

EPA ID NO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT NAME	EMISSION LIMITS (PRIMARY) (STANDARDIZED)	CTRL EQUIPMENT/PROCESS MODIFICATION RANKING INFORMATION	BASIS EST % EFF
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TURBINES, COMBUSTION (4) (NATURAL GAS) (1012 MW) 2133.00 MMBTU/HR (EACH)

PROCESS CODE 15.004
SCC CODE

NOX
CAS NO.

4.5000 PPM
0.0000
SCR AND DRY LOW NOX

BACT-OTHER
0.000

SO2
CAS NO. 7446-09-5

0.0000
0.0000
USE OF NATURAL GAS

BACT-OTHER
0.000

CO
CAS NO. 630-08-0

13.0000 PPM
0.0000
COMBUSTION CONTROLS

BACT-OTHER
0.000

BOILERS, AUXILIARY

0.00

PROCESS CODE 11.006
SCC CODE

NOX
CAS NO.

0.2000 LB/MMBTU
0.0000
COMBUSTION CONTROLS

BACT-OTHER
0.000

BLIS ID No. NY-0050

DATE ENTERED/UPDATED: 06/18/93

PM	0.0500 LB/MMBTU	BACT-OTHER
CAS NO.	0.0000	0.000
	COMBUSTION CONTROLS	
SO2	0.0500 % SULFUR OIL	BACT-OTHER
CAS NO. 7446-09-5	0.0000	0.000
	LOW SULFUR OIL	
CO	0.0200 LB/MMBTU	BACT-OTHER
CAS NO. 630-08-0	0.0000	0.000
	COMBUSTION CONTROLS	
NOX	3.4000 LB/MMBTU	BACT-OTHER
CAS NO.	0.0000	0.000
	COMBUSTION CONTROLS	
SO2	0.0500 % SULFUR OIL	BACT-OTHER
CAS NO.	0.0000	0.000
	LOW SULFUR OILS	
CO	0.9200 LB/MMBTU	BACT-OTHER
CAS NO. 630-08-0	0.0000	0.000
	COMBUSTION CONTROLS	

GENERATOR, EMERGENCY (OIL)

25.00 MMBTU/HR

PROCESS CODE 11.006

SCC CODE

- NOTES: 1. COMBUSTION TURBINES ARE GE FRAME 7F MODELS.
2. NO EMISSION LIMIT IDENTIFIED FOR SO2 EMISSIONS FROM TURBINES.
3. AUXILIARY BOILERS LIMITED TO FIRING 2.8 X 10(12) BTU/YR BASED ON HHV (INCLUDING TESTING).
4. EMERGENCY GENERATOR LIMITED TO 500 HPY CALCULATED ON A DAILY ROLLING BASIS.

REPORT DATE: 07/27/93

DETAILED SOURCE LISTING (Part A)

PAGE H- 286

BLIS ID No. OH-0206

DATE ENTERED/UPDATED: 06/14/93

COMPANY NAME/SITE LOCATION: ETG ENVIRONMENTAL, INC.

OREGON, OH

COUNTY

DETERMINATION IS FOR A NEW SOURCE.

PERMIT NO. 04-782

DETERMINATION MADE BY: CITY OF TOLEDO, ENV SERVICES DIV, OH

(AGENCY)

MATT STANFIELD

(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- / /

ESTIMATED START-UP DATE-- 12/01/92

(419) 693-0350

(PHONE)

IRS ID NO. 3-06-010-01

EPA ID NO.

EMISSION LIMITS (PRIMARY)
(STANDARDIZED)

CTRL EQUIPMENT/PROCESS MODIFICATION
RANKING INFORMATION

POLLUTANT NAME

THROUGHPUT
CAPACITY

PROCESSES SUBJECT TO THIS PERMIT

BASIS
EST % EFF

DRYER, SLUDGE

2500.00 LBS/HR

PROCESS CODE 50.006

SCC CODE 30601001

VOC

CAS NO.

0.0625 LB/HR

0.0000

ACTIVATED CARBON

BACT-PSD

97.000

PM

CAS NO.

0.0360 LB/HR

0.0000

WATER SPRAY

BACT-PSD

0.000

NOTES: 1. REFINERY SLUDGE IS HEATED TO REMOVE WATER AND ORGANICS. WASTE OIL IS
RECOVERED.

2. FACILITY SOURCE CATEGORY: PETROLEUM REFINING.

REPORT DATE: 07/27/93

DETAILED SOURCE LISTING (Part A)

PAGE H- 287

BLIS ID No. OH-0207

DATE ENTERED/UPDATED: 06/14/93

COMPANY NAME/SITE LOCATION: ETG ENVIRONMENTAL, INC.

TOLEDO, OH

COUNTY

DETERMINATION IS FOR A NEW SOURCE.

PERMIT NO. 04-781

DETERMINATION MADE BY: CITY OF TOLEDO, ENV SERVICES DIV, OH

(AGENCY)

KAREN GRANATA

(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE--- / /

ESTIMATED START-UP DATE--- 09/01/91

(419) 697-5129

(PHONE)

AIRS ID NO. 3-06-010-01

EPA ID NO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT NAME	EMISSION LIMITS (PRIMARY) (STANDARDIZED)	CTRL EQUIPMENT/PROCESS MODIFICATION RANKING INFORMATION	BASIS EST % EFF
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DRYER, SLUDGE

2500.00 LBS/HR

PROCESS CODE 50.006

SCC CODE 30601001

VOC

CAS NO.

0.0625 LB/HR

0.2700 TON/YEAR

BACT-PSD

97.000

ACTIVATED CARBON

PM

CAS NO.

0.0900 LB/HR

0.0000

BACT-PSD

0.000

WATER SPRAY

NOTES: 1. FACILITY SOURCE CATEGORY: PETROLEUM REFINING

2. REFINERY SLUDGE IS HEATED TO REMOVE WATER AND ORGANICS. WASTE OIL IS RECOVERED.

3. DATE OF PERMIT ISSUANCE NOT AVAILABLE.

REPORT DATE: 07/27/93

DETAILED SOURCE LISTING (Part A)

PAGE H- 288

BLIS ID No. OH-0208

DATE ENTERED/UPDATED: 06/14/93

COMPANY NAME/SITE LOCATION: BP OIL CO., TOLEDO REFINERY
OREGON, OH

COUNTY

DETERMINATION IS FOR A NEW SOURCE.

PERMIT NO. 04-794

DETERMINATION MADE BY: CITY OF TOLEDO, ENV SERVICES DIV, OH
(AGENCY)

MATT STANFIELD
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- / /
ESTIMATED START-UP DATE-- / /
(419) 693-0350
(PHONE)

AIRS ID NO.

EPA ID NO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT NAME	EMISSION LIMITS (PRIMARY) (STANDARDIZED)		BASIC EST % EFF
			CTRL EQUIPMENT/PROCESS MODIFICATION RANKING INFORMATION		

MATL TRANSFER/HAND, TANKER TRUCK SULFUR LOADING RAC 200.00 GPM

PROCESS CODE 42.004
SCC CODE 40600197

H2S
CAS NO. 7783-06-4

0.0210 LB/HR
0.0039 TON/YEAR

BACT-PSD
0.000

GEP

NOTES: 1. ESTIMATED STARTUP DATE: 1980.

2. SOURCE IDENTIFIED AS UNREGULATED.

BLIS ID No. 0H-0209

DATE ENTERED/UPDATED: 03/23/93

COMPANY NAME/SITE LOCATION: BP OIL CO., TOLEDO REFINERY
OREGON, OH

COUNTY

DETERMINATION IS FOR A NEW SOURCE.

PERMIT NO. 04-792

DETERMINATION MADE BY: CITY OF TOLEDO, ENV SERVICES DIV, OH
(AGENCY)

MATT STANFIELD
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- / /
ESTIMATED START-UP DATE-- 06/01/93
(419) 693-0350
(PHONE)

AIRS ID NO.

EPA ID NO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT NAME	EMISSION LIMITS (PRIMARY (STANDARDIZED)		BASIS EST % EFF
			CTRL EQUIPMENT/PROCESS MODIFICATION RANKING INFORMATION		

MATL TRANSFER/HANDLING, RAILCAR SULFUR LOADING RACK 200.00 GPM

PROCESS CODE 42.999
SCC CODE 40600197

H2S
CAS NO. 7783-06-4

0.0220 LB/HR
0.0000

BACT-PSD
0.000

NOTES: 1. SOURCE IDENTIFIED AS UNREGULATED.

REPORT DATE: 07/27/93

DETAILED SOURCE LISTING (Part A)

PAGE H- 290

BLIS ID No. OH-0210

DATE ENTERED/UPDATED: 03/23/93

COMPANY NAME/SITE LOCATION: CHAMPION SPARK PLUG COMPANY
TOLEDO, OH

COUNTY

DETERMINATION IS FOR A NEW SOURCE.

PERMIT NO. 04-798

DETERMINATION MADE BY: CITY OF TOLEDO, ENV SERVICES DIV, OH
(AGENCY)

MATT STANFIELD
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- / /
ESTIMATED START-UP DATE-- 01/01/93
(419) 693-0350
(PHONE)

AIRS ID NO. 4-90-005-99

EPA ID NO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT NAME	EMISSION LIMITS (PRIMARY) (STANDARDIZED)	CTRL EQUIPMENT/PROCESS MODIFICATION RANKING INFORMATION	BASIS EST % EFF
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STRIPPER, AIR

0.00

PROCESS CODE 22.004
SCC CODE 30610001

VOC
CAS NO.

0.0110 LB/HR
0.0480 TON/YEAR

BACT-PSD
0.000

GEP

SOIL VAPOR EXTRACTION

0.00

PROCESS CODE 22.004
SCC CODE 30610001

VOC
CAS NO.

0.0104 LB/HR
0.0460 TON/YEAR

BACT-PSD
0.000

GEP

NOTES: 1. FACILITY SOURCE CATEGORY: PETROLEUM REFINING.

2. EQUIPMENT WILL BE USED FOR CLEANUP OF LEAKING UNDERGROUND STORAGE TANKS.

REPORT DATE: 07/27/93

DETAILED SOURCE LISTING (Part A)

PAGE H- 291

BLIS ID No. OH-0211

DATE ENTERED/UPDATED: 03/23/93

COMPANY NAME/SITE LOCATION: CGM TRANSMISSION
CANAL WINCHESTER, OH

COUNTY

DETERMINATION IS FOR A NEW SOURCE.

PERMIT NO. 01-3085

DETERMINATION MADE BY: OHIO ENVIRONMENTAL PROTECTION AGENCY
(AGENCY)

MISTY PARSONS
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE--- 03/11/92
ESTIMATED START-UP DATE--- 10/31/92
(614) 644-2270
(PHONE)

AIRS ID NO.

EPA ID NO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT NAME	EMISSION LIMITS (PRIMARY) (STANDARDIZED)	CTRL EQUIPMENT/PROCESS MODIFICATION RANKING INFORMATION	BASIS EST % EFF
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ENGINES, NATURAL GAS COMPRESSOR (2)

4200.00 HP (EACH)

PROCESS CODE 15.004
SCC CODE 20200201

CO
CAS NO. 630-08-0

BACT-PSD
0.000

2.8000 G/B-HP-H
2.8000 G/B-HP-H
ENGINE TUNING (SEE NOTES)

NOX
CAS NO. 10102-44-0

BACT-PSD
0.000

2.0000 G/B-HP-H
2.0000 G/B-HP-H
ENGINE TUNING (SEE NOTES)

VOC
CAS NO.

BACT-PSD
0.000

0.9000 G/B-HP-H
0.9000 G/B-HP-H
ENGINE TUNING (SEE NOTES)

ENGINE, NATURAL GAS COMPRESSOR

3200.00 HP

PROCESS CODE 15.004
SCC CODE 20200201

CO
CAS NO. 630-08-0

BACT-PSD
0.000

2.6000 G/B-HP-H
2.6000 G/B-HP-H
ENGINE TUNING (SEE NOTES)

NOX	2.0000 G/B-HP-H	BACT-PSD
CAS NO. 10102-44-0	2.0000 G/B-HP-H	0.000
	ENGINE TUNING (SEE NOTES)	
VOC	0.8000 G/B-HP-H	BACT-PSD
CAS NO.	0.8000 G/B-HP-H	0.000
	ENGINE TUNING (SEE NOTES) OCC	

NOTES: 1. TOTAL HP FOR DETERMINATION: 11600.
2. PERMIT REQUIRES INSTALLATION OF OXIDATION CATALYTIC CONVERTERS IF THE TRIALS ARE SUCCESSFUL; EMISSION LIMITS WILL BE LOWERED IF CONTROLS INSTALLED.

BLIS ID No. OH-0212

DATE ENTERED/UPDATED: 03/23/93

COMPANY NAME/SITE LOCATION: CGM TRANSMISSION
LEBANON, OH

COUNTY

DETERMINATION IS FOR A NEW SOURCE.

PERMIT NO. 014-2284

DETERMINATION MADE BY: OHIO ENVIRONMENTAL PROTECTION AGENCY
(AGENCY)

MISTY PARSONS
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 04/08/92
ESTIMATED START-UP DATE-- 10/30/92
(614) 644-2270
(PHONE)

AIRS ID NO.

EPA ID NO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT NAME	EMISSION LIMITS (PRIMARY) (STANDARDIZED)	CTRL EQUIPMENT/PROCESS MODIFICATION RANKING INFORMATION	BASIS EST % EFF
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ENGINES, NATURAL GAS COMPRESSOR (2)

4200.00 HP (EACH)

PROCESS CODE 15.004
SCC CODE 20200201

CO
CAS NO. 630-08-0

2.8000 G/B-HP-H
2.8000 G/B-HP-H
ENGINE TUNING (SEE NOTES)

BACT-PSD
0.000NOX
CAS NO. 10102-44-0

2.0000 G/B-HP-H
2.0000 G/B-HP-H
ENGINE TUNING (SEE NOTES)

BACT-PSD
0.000VOC
CAS NO.

0.9800 G/B-HP-H
0.9800 G/B-HP-H
ENGINE TUNING (SEE NOTES)

BACT-PSD
0.000

NOTES: 1. TOTAL HP FOR DETERMINATION: 8400.

2. PERMIT REQUIRES INSTALLATION OF OXIDATION CATALYTIC CONVERTERS IF THE
TRIALS ARE SUCCESSFUL; EMISSION LIMITS WILL BE LOWERED IF CONTROLS ARE
INSTALLED.

BLIS ID No. OH-0213

DATE ENTERED/UPDATED: 03/23/93

COMPANY NAME/SITE LOCATION: CGN TRANSMISSION
GILMORE, OH

COUNTY

DETERMINATION IS FOR A NEW SOURCE.

PERMIT NO. 06-3038

DETERMINATION MADE BY: OHIO ENVIRONMENTAL PROTECTION AGENCY
(AGENCY)

MISTY PARSONS
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 05/28/92
ESTIMATED START-UP DATE-- 10/30/92
(614) 644-2270
(PHONE)

AIRS ID NO.

EPA ID NO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT NAME	EMISSION LIMITS (PRIMARY) (STANDARDIZED)	CTRL EQUIPMENT/PROCESS MODIFICATION RANKING INFORMATION	BASIS EST % EFF
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ENGINE, NATURAL GAS COMPRESSOR

4200.00 HP

PROCESS CODE 15.004
SCC CODE 20200201

CO
CAS NO. 630-08-0

BACT-PSD
0.000

2.8000 G/B-HP-H
2.8000 G/B-HP-H
ENGINE TUNING (SEE NOTES) OCC

NOX
CAS NO. 10102-44-0

BACT-PSD
0.000

2.0000 G/B-HP-H
2.0000 G/B-HP-H
ENGINE TUNING (SEE NOTES)

VOC
CAS NO.

BACT-PSD
0.000

0.9000 G/B-HP-H
0.9000 G/B-HP-H
ENGINE TUNING (SEE NOTES)

ENGINE, NATURAL GAS COMPRESSOR

3200.00 HP

PROCESS CODE 15.004
SCC CODE 20200201

CO
CAS NO. 630-08-0

BACT-PSD
0.000

2.6000 G/B-HP-H
2.6000 G/B-HP-H
ENGINE TUNING (SEE NOTES)

NOX	2.0000 G/B-HP-H	BACT-PSD
CAS NO. 10102-44-0	2.0000 G/B-HP-H	0.000
	ENGINE TUNING (SEE NOTES)	
VOC	0.8000 G/B-HP-H	BACT-PSD
CAS NO.	0.8000 G/B-HP-H	0.000
	ENGINE TUNING (SEE NOTES)	

- NOTES: 1. TOTAL HP FOR DETERMINATION: 7400.
2. THE PERMIT REQUIRES INSTALLATION OF OXIDATION CATALYTIC CONVERTERS IF
THE TRIALS ARE SUCCESSFUL; EMISSION LIMITS WILL BE LOWERED IF CONTROLS
INSTALLED.

REPORT DATE: 07/27/93

DETAILED SOURCE LISTING (Part A)

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BLIS ID No. OH-0214

DATE ENTERED/UPDATED: 06/24/93

COMPANY NAME/SITE LOCATION: COULTON CHEMICAL CORP
OH

COUNTY

DETERMINATION IS FOR A NEW SOURCE.

PERMIT NO. 04-819

DETERMINATION MADE BY: CITY OF TOLEDO, ENV SERVICES DIV, OH

(AGENCY)

MATT STANFIELD

(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- / /

ESTIMATED START-UP DATE-- 08/01/93

(419) 693-0350

(PHONE)

AIRS ID NO.

EPA ID NO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT NAME	EMISSION LIMITS (PRIMARY) (STANDARDIZED)		BACT-OTHER
			CTRL EQUIPMENT/PROCESS MODIFICATION RANKING INFORMATION	EST % EFF	

MATERIAL STORAGE, TANK, SPENT SULFURIC ACID

9.00 MMGAL/YR

PROCESS CODE 62.015

SCC CODE

S02

CAS NO. 7446-09-5

0.0009 TPY

0.0000

CAUSTIC SCRUBBER

BACT-OTHER

99.000

VOC

CAS NO.

0.0020 TPY

0.0000

BACT-OTHER

0.000

NOTES:

BLIS ID No. OH-0215

DATE ENTERED/UPDATED: 06/15/93

COMPANY NAME/SITE LOCATION: GENERAL MOTORS TRUCK & BUS MORaine ASSEMBLY PLANT

2601 W. STROOP ROAD

MORaine, OH 45439-

MONTGOMERY COUNTY

DETERMINATION IS FOR A NEW SOURCE.

PERMIT NO. 08-2506

DETERMINATION MADE BY: MONTGOMERY CO REG AIR POLL CTRL AGCY, OH

(AGENCY)

ANDREE GEPHART

(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 10/23/92

ESTIMATED START-UP DATE-- 01/01/94

(513) 496-3153

(PHONE)

AIRS ID NO. 39-113-5113

EPA ID NO. 0857101349

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT NAME	EMISSION LIMITS (PRIMARY) (STANDARDIZED)	
			CTRL EQUIPMENT/PROCESS MODIFICATION RANKING INFORMATION	BASIS EST % EFF

SURFACE COATING, AUTOMOBILE AND TRUCK

348000.00 TRUCKS PER YEAR

PROCESS CODE 41.002

SCC CODE 4-02-001-10

VOC (TOPCOAT)

CAS NO.

8.2400 LB/GAL APPLIED. SOLID

0.0000

BACT-OTHER

0.000

CARBON ADSORPTION FOLLOWED BY THERMAL IN *

4/ 1 CONTROL OPTIONS EXAMINED/OPTION SELECTED

VOC (GUIDECOAT)

CAS NO.

0.0000

0.0000

BACT-OTHER

0.000

FILTRATION (FOR POWDER RECOVERY)

NOTES: 1. FACILITY IS PERMITTED AS A SYNTHETIC MINOR THROUGH NETTING FOR A PERMIT

WHICH WOULD HAVE BEEN A LAER PERMIT OTHERWISE. GM IS IN A NON-

ATTAINMENT AREA FOR OZONE; A PSD REVIEW WAS NOT TRIGGERED..

2. CONTROLS FOR VOC (TOPCOAT) EMISSIONS ARE FOR CLEARCOAT EMISSIONS ONLY.

3. OVERALL EFFICIENCY FOR VOC TOPCOAT: CLEARCOAT APPLICATION - 75.4%;

CAPTURE - 95%; DESTRUCTION, OVENS - 90.0% DESTRUCTION.

4. CONTROL COST INFORMATION UNKNOWN AT TIME OF DETERMINATION SUBMISSION.

COMPANY NAME/SITE LOCATION: BIOLOGICAL & ENVIRONMENTAL CONTROL LABORATORIES
615 FRONT STREET
TOLEDO, OH 43605-

LUCAS COUNTY

DETERMINATION IS FOR A NEW SOURCE.

PERMIT NO. 04-845

DETERMINATION MADE BY: CITY OF TOLEDO, ENV SERVICES DIV, OH
(AGENCY)

KAREN GRANATA
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- / /
ESTIMATED START-UP DATE-- 06/30/93
(419) 697-5129
(PHONE)

AIRS ID NO.

EPA ID NO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT NAME	EMISSION LIMITS (PRIMARY) (STANDARDIZED)		
			CTRL EQUIPMENT/PROCESS MODIFICATION RANKING INFORMATION	BASIS EST % EFF	

STERILIZER, COMMERCIAL

72.00 LB/CYCLE

PROCESS CODE 99.004
SCC CODE 3-15-020-02

ETO
CAS NO. 75-21-8

0.0500 LB/HR
0.0000
SCRUBBER

BACT-OTHER
93.000

CCL2F2
CAS NO. 75-71-8

1.3000 LB/HR
0.0000
RECLAIMER

BACT-OTHER
75.000

NOTES:

REPORT DATE: 07/27/93

DETAILED SOURCE LISTING (Part A)

PAGE H- 299

BLIS ID No. OH-0217

DATE ENTERED/UPDATED: 06/03/93

COMPANY NAME/SITE LOCATION: BP OIL CO. TOLEDO REFINERY
OREGON, OH

COUNTY

DETERMINATION IS FOR A MODIFIED SOURCE.

PERMIT NO. 04-816

DETERMINATION MADE BY: CITY OF TOLEDO, ENV SERVICES DIV, OH
(AGENCY)

MATT STANFIELD
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- / /
ESTIMATED START-UP DATE-- 08/01/93
(419) 693-0350
(PHONE)

AIRS ID NO.

EPA ID NO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT NAME	EMISSION LIMITS (PRIMARY) (STANDARDIZED)		BASIC EST % EFF
			CTRL EQUIPMENT/PROCESS MODIFICATION RANKING INFORMATION		

COKER (DELAYED)

72000.00 LBS/HR

PROCESS CODE 50.003
SCC CODE

VOC
CAS NO.

53.0000 LB/DRUM
0.0000

OTHER
99.000

FLARE

NOTES:

REPORT DATE: 07/27/93

DETAILED SOURCE LISTING (Part A)

PAGE H- 300

BLIS ID No. OH-0218

DATE ENTERED/UPDATED: 06/14/93

COMPANY NAME/SITE LOCATION: CNG TRANSMISSION
WASHINGTON COURT HOUSE, OH

COUNTY

DETERMINATION IS FOR A NEW SOURCE.

PERMIT NO. 01-3870

DETERMINATION MADE BY: OHIO ENVIRONMENTAL PROTECTION AGENCY
(AGENCY)

MISTY PARSONS
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 08/12/92
ESTIMATED START-UP DATE-- 11/01/92
(614) 644-2270
(PHONE)

AIRS ID NO.

EPA ID NO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT NAME	EMISSION LIMITS (PRIMARY) (STANDARDIZED)	CTRL EQUIPMENT/PROCESS MODIFICATION RANKING INFORMATION	BASIS EST % EFF
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TURBINE (NATURAL GAS) (3)

5500.00 HP (EACH)

PROCESS CODE 15.004
SCC CODE

NOX
CAS NO.

1.6000 G/HP-HR*
0.0000
BACT-OTHER
0.000

LOW NOX COMBUSTION

CO
CAS NO.

0.0150 G/HP-HR
0.0000
630-08-0

OTHER
0.000

USE OF NATURAL GAS

VOC
CAS NO.

0.1000 G/HP-HR
0.0000

OTHER
0.000

USE OF NATURAL GAS

PM
CAS NO.

0.0350 LB/MMBTU
0.0000

OTHER
0.000

USE OF NATURAL GAS

REPORT DATE: 07/27/93

DETAILED SOURCE LISTING (Part A)

BLIS ID No. OH-0218

PAGE H- 301

DATE ENTERED/UPDATED: 06/14/93

NOTES: 1. ALSO PERMIT 01-3871, ISSUED 08/12/92 IN NASHPORT, OH, WITH A STARTUP

DATE OF 11/01/92; FOR 5500 HP TURBINES (3).

2. * - INSTALLATION OF LOW NOX LEAN AIR COMBUSTION CONTROL IS REQUIRED BY
12/31/96; NEW ALLOWABLE WILL BE 42 PPMV AT 15% O₂.

REPORT DATE: 07/27/93

DETAILED SOURCE LISTING (Part A)

PAGE H- 302

BLIS ID No. OH-0219

DATE ENTERED/UPDATED: 06/03/93

COMPANY NAME/SITE LOCATION: SUPREME BUMPER, INC.
TOLEDO, OH

COUNTY

DETERMINATION IS FOR A NEW SOURCE.

PERMIT NO. 04-832

DETERMINATION MADE BY: CITY OF TOLEDO, ENV SERVICES DIV, OH
(AGENCY)

BOB KOSSOM
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- / /
ESTIMATED START-UP DATE-- 06/15/85
(419) 697-5104
(PHONE)

AIRS ID NO. 0448010036

EPA ID NO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT NAME	EMISSION LIMITS (PRIMARY) (STANDARDIZED)	
			CTRL EQUIPMENT/PROCESS MODIFICATION RANKING INFORMATION	BASIS EST % EFF

EVAPORATOR

160.00 LBS. H2O/HR

PROCESS CODE 99.005
SCC CODE

CR
CAS NO. 7440-47-3

0.0005 LBS/HR
0.0000
BACT-OTHER
99.000
CHEVRON ELIMINATORS, WET SCRUBBER, & MIS *

NOTES: 1. EMISSION LIMITS SET AS TLV AT THE STACK DISCHARGE WITH MODELING OF
GROUND LEVEL CONCENTRATIONS < TLV/42.

REPORT DATE: 07/27/93

DETAILED SOURCE LISTING (Part A)

PAGE H- 303

BLIS ID No. OH-0220

DATE ENTERED/UPDATED: 06/03/93

COMPANY NAME/SITE LOCATION: NORTH STAR RECYCLING CO.

TOLEDO, OH

COUNTY

DETERMINATION IS FOR A NEW SOURCE.

PERMIT NO. 04-824

DETERMINATION MADE BY: CITY OF TOLEDO, ENV SERVICES DIV, OH
(AGENCY)

MATT STANFIELD
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- / /
ESTIMATED START-UP DATE-- 06/01/93
(419) 693-0350
(PHONE)

AIRS ID NO.

EPA ID NO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT NAME	EMISSION LIMITS (PRIMARY) (STANDARDIZED)		BASIS EST % EFF
			CTRL EQUIPMENT/PROCESS MODIFICATION RANKING INFORMATION		

RECIPROCATING ENGINES (NATURAL GAS) (3)

1700.00 HP (EACH)

PROCESS CODE 15.004
SCC CODE

CO
CAS NO. 630-08-0

BACT-OTHER
80.000

NOX
CAS NO.

BACT-OTHER
85.000

VOC
CAS NO.

BACT-OTHER
60.000

NOTES:

REPORT DATE: 07/27/93

DETAILED SOURCE LISTING (Part A)

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BLIS ID No. OH-0221

DATE ENTERED/UPDATED: 06/03/93

COMPANY NAME/SITE LOCATION: BP OIL CO. TOLEDO REFINERY

, OH

COUNTY

DETERMINATION IS FOR A NEW SOURCE.

PERMIT NO. 04-804

DATE OF PERMIT ISSUANCE-- / /

ESTIMATED START-UP DATE-- 06/01/93

DETERMINATION MADE BY: CITY OF TOLEDO, ENV SERVICES DIV, OH

MATT STANFIELD

(AGENCY)

(AGENCY CONTACT PERSON)

(419) 693-0350

(PHONE)

AIRS ID NO.

EPA ID NO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT NAME	EMISSION LIMITS (PRIMARY) (STANDARDIZED)		BASIS EST % EFF
			CTRL EQUIPMENT/PROCESS MODIFICATION RANKING INFORMATION		

ASPHALT PLANT

960.00 TPD

PROCESS CODE 90.004
SCC CODE

VOC
CAS NO.

0.0023 LB/TON
0.0000

BACT-OTHER
99.000

THERMAL OXIDIZER

PM
CAS NO.

0.0893 LB/TON
0.0000

NSPS
0.000

THERMAL OXIDIZER

CO
CAS NO. 630-08-0

19.6000 LB/HR
0.0000

BACT-OTHER
0.000

NOX
CAS NO.

8.2000 LB/HR
0.0000

BACT-OTHER
0.000

REPORT DATE: 07/27/93

DETAILED SOURCE LISTING (Part A)

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BLIS ID No. OH-0221

DATE ENTERED/UPDATED: 06/03/93

SO2	3.8000 LB/HR	BACT-OTHER
CAS NO. 7446-09-5	0.0000	0.000

NOTES: 1. PROCESS (PETROLEUM REFINING - TREATMENT) IS SUBJECT TO NSPS SUBPARTS J, UU, GGG.

REPORT DATE: 07/27/93

DETAILED SOURCE LISTING (Part A)

PAGE H- 306

BLIS ID No. OH-0222

DATE ENTERED/UPDATED: 07/07/93

COMPANY NAME/SITE LOCATION: BP OIL COMPANY , TOLEDO REFINERY
OREGON, OH

COUNTY

DETERMINATION IS FOR A NEW SOURCE.

PERMIT NO. 04-811

DETERMINATION MADE BY: CITY OF TOLEDO, ENV SERVICES DIV, OH
(AGENCY)

MATT STANFIELD
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- / /
ESTIMATED START-UP DATE-- 05/04/94
(419) 693-0350
(PHONE)

AIRS ID NO.

EPA ID NO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT NAME	EMISSION LIMITS (PRIMARY) (STANDARDIZED)		BASIS EST % EFF
			CTRL EQUIPMENT/PROCESS MODIFICATION RANKING INFORMATION		

STORMWATER DIVERSION CHAMBER

0.10 MMGAL/HR

PROCESS CODE 50.009
SCC CODE

VOC
CAS NO.

5.9700 LB/HR
0.0000
CARBON CANISTERS (7)

BACT-OTHER
95.000

NOTES:

REPORT DATE: 07/27/93

DETAILED SOURCE LISTING (Part A)

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BLIS ID No. OK-0027

DATE ENTERED/UPDATED: 06/03/93

COMPANY NAME/SITE LOCATION: OKLAHOMA MUNICIPAL POWER AUTHORITY
PONCA CITY, OK

COUNTY

DETERMINATION IS FOR A MODIFIED SOURCE.

PERMIT NO. 92-016-C (PSD)

DETERMINATION MADE BY: OKLAHOMA AIR QUALITY SERVICE
(AGENCY)

DAVID SCHUTZ
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 12/17/92
ESTIMATED START-UP DATE-- 04/01/96
(405) 271-5220
(PHONE)

AIRS ID NO. 40-071-00005

EPA ID NO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT NAME	EMISSION LIMITS (PRIMARY) (STANDARDIZED)	CTRL EQUIPMENT/PROCESS MODIFICATION RANKING INFORMATION	BASIS EST % EFF
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TURBINE, COMBUSTION

58.00 MW

PROCESS CODE 15.007
SCC CODE

NOX (FROM OIL FUEL)
CAS NO.

65.0000 PPM
0.0000

BACT-OTHER
83.000

COMBUSTION CONTROLS

4/ 4 CONTROL OPTIONS EXAMINED/OPTION SELECTED

SO2
CAS NO. 7446-09-5

0.4300 LB/MMBTU
0.0000

BACT-OTHER
50.000

USE OF DISTILLATE FUEL

2/ 2 CONTROL OPTIONS EXAMINED/OPTION SELECTED

PM
CAS NO.

0.0125 LB/MMBTU
0.0000

BACT-OTHER
90.000

NONE

2/ 2 CONTROL OPTIONS EXAMINED/OPTION SELECTED

H2SO4	0.0130 LB/MM BTU	BACT-OTHER
CAS NO. 7664-93-9	0.0000	90.000
	NONE	
	2/ 2 CONTROL OPTIONS EXAMINED/OPTION SELECTED	
BE	0.0060 TPY	BACT-OTHER
CAS NO. 7440-41-7	0.0000	90.000
	NONE	
	2/ 2 CONTROL OPTIONS EXAMINED/OPTION SELECTED	
NOX (FROM GAS FUEL)	25.0000 PPM	BACT-OTHER
CAS NO.	0.0000	83.000
	NONE	

- NOTES: 1. TURBINE TO BE USED FOR ELECTRICAL GENERATION.
2. "BACT-OTHER" IS TOP-DOWN BACT (FOR ALL POLLUTANTS).
3. COST INFORMATION FOR SO2 CONTROL: OPTION SELECTED COSTS \$1979/TON.

COMPANY NAME/SITE LOCATION: CASCADE STEEL ROLLING MILLS

3200 NORTH HIGHWAY 99W

MCMINNVILLE, OR 97128

COUNTY

DETERMINATION IS FOR A NEW SOURCE.

PERMIT NO. 36-5034

DETERMINATION MADE BY: OREGON DEPT OF ENVIRONMENTAL QUALITY

(AGENCY) ,

JILL INAHARA

(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 09/04/90

ESTIMATED START-UP DATE-- / /

(503) 229-5749

(PHONE)

AIRS ID NO.

EPA ID NO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT NAME	EMISSION LIMITS (PRIMARY) (STANDARDIZED)		BASIS EST & EFF
			CTRL EQUIPMENT/PROCESS MODIFICATION RANKING INFORMATION		
FURNACE, ARC	114000.00 TPY				
PROCESS CODE 81.004	PM		0.0052 GR/DSCF	LAER	0.000
SCC CODE 30300904	CAS NO.		0.0000		
			BAGHOUSE		
			1/ 1 CONTROL OPTIONS EXAMINED/OPTION SELECTED		

NOTES: Also listed under SIC Code 3295 for Rock Crushing. BACT was required for Lead Particulate emissions. Emission limits lead to 1.29 TPY for total plant site, and 0.60 lb/hr (0.57 TPY) from baghouse.

COMPANY NAME/SITE LOCATION: PACIFIC GAS TRANSMISSION COMPANY
COMPRESSOR STATION II, US 26
MADRAS, OR 97741

JEFFERSON COUNTY

DATE OF PERMIT ISSUANCE-- 06/19/90
ESTIMATED START-UP DATE-- / /
(503) 229-5988
(PHONE)

DETERMINATION IS FOR A NEW SOURCE.
PERMIT NO. 16-0026

DETERMINATION MADE BY: OREGON DEPT OF ENVIRONMENTAL QUALITY
(AGENCY)

LARRY MILLER
(AGENCY CONTACT PERSON)

AIRS ID NO.

EPA ID NO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT NAME	EMISSION LIMITS (PRIMARY) (STANDARDIZED)		
			CTRL EQUIPMENT/PROCESS MODIFICATION RANKING INFORMATION	BASIS	EST % EFF

TURBINE GAS, COMPRESSOR STATION	0.00				
PROCESS CODE 15.004		NO2	199.0000 PPMVD @ 15% O2	NSPS	30.000
SCC CODE		CAS NO. 10102-44-0	0.0000		
			LOW NOx BURNER DESIGN		
			5/ 2 CONTROL OPTIONS EXAMINED/OPTION SELECTED		

NOTES: Turbine rated at 14,600 HP, Unit 11B. Required to investigate innovative technologies to reduce NOx dry methods. Goal of 42 ppmV (@ 15% O2), 17lb/hr

BLIS ID No. PA-0058

DATE ENTERED/UPDATED: 06/09/93

COMPANY NAME/SITE LOCATION: NORTH BRANCH ENERGY PARTNERS LP
R D #1 ROBINSON TWP.
MCDONALD, PA 15057-

WASHINGTON COUNTY

DETERMINATION IS FOR A NEW SOURCE.

PERMIT NO. 63-306-004A

DETERMINATION MADE BY: PENNSYLVANIA DER, BUR OF AIR QUAL CTRL
(AGENCY)BRUCE FRY
(AGENCY CONTACT PERSON)DATE OF PERMIT ISSUANCE-- 01/25/93
ESTIMATED START-UP DATE-- / /
(412)-645-7129
(PHONE)

AIRS ID NO. 00098

EPA ID NO. PAD987315561

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT NAME	EMISSION LIMITS (PRIMARY) (STANDARDIZED)	CTRL EQUIPMENT/PROCESS MODIFICATION RANKING INFORMATION	BASIS EST & EFF
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BOILER, CFB, 2 EA

563.50 MMBTU/HR

PROCESS CODE 11.002
SCC CODE 1-01-002-17PM10
CAS NO.0.0200 LB/MMBTU
0.0200 LB/MMBTUBACT-OTHER
99.970

FABRIC COLLECTOR

SO2
CAS NO. 7446-09-50.4900 LB/MMBTU
0.4900 LB/MMBTUBACT-PSD
46.000

LIMESTONE INJECTION

NOX
CAS NO.0.1500 LB/MMBTU
0.1500 LB/MMBTUBACT-PSD
75.000

NH3/UREA INJECTION

CO
CAS NO. 630-08-00.1500 LB/MMBTU
0.1500 LB/MMBTUBACT-OTHER
0.000

REPORT DATE: 07/27/93

DETAILED SOURCE LISTING (Part A)

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BLIS ID No. PA-0086

DATE ENTERED/UPDATED: 06/01/93

COMPANY NAME/SITE LOCATION: GLENDON ENERGY CO.
711 LEHIGH STREET
EASTON, PA 16509-

NORTHAMPTON COUNTY

DETERMINATION IS FOR A NEW SOURCE.

PERMIT NO. 48-340-003

DETERMINATION MADE BY: PENNSYLVANIA DER, BUR OF AIR QUAL CTRL
(AGENCY)

WILLIAM MUVER
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 02/05/90
ESTIMATED START-UP DATE-- 02/01/93
(215)-861-2070
(PHONE)

AIRS ID NO. 42095000087

EPA ID NO. PAD987306016

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT NAME	EMISSION LIMITS (PRIMARY) (STANDARDIZED)	CTRL EQUIPMENT/PROCESS MODIFICATION RANKING INFORMATION	BASIS EST % EFF
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INCINERATORS, 2, MASSBURN MUNIC. WASTE

250.00 T/D EACH

PROCESS CODE 21.001
SCC CODE 5-02-001-01

PM10	0.0100 GR/DSCF	BACT-PSD
CAS NO.	0.0000	0.000
FABRIC COLLECTOR		

S02	30.0000 PPMV, 1 HOUR	BACT-PSD
CAS NO. 7446-09-5	0.0000	75.000
SPRAY DRYER		

CO	50.0000 PPMV (8 HR)	BACT-PSD
CAS NO. 630-08-0	0.0000	0.000
COMBUSTION CONTROL		

NOX	180.0000 PPMV, 24 HOUR	BACT-PSD
CAS NO.	0.0000	34.000
SNCR/THERMAL DENOX		

HCL	30.0000 PPMV, 1 HOUR	BACT-OTHER
CAS NO. 7647-01-0	0.0000	90.000
	SPRAY DRYER	
PCDD & PCDF	1.0000 NG/NM3	BACT-OTHER
CAS NO. 1746-01-6	0.0000	0.000
	COMBUSTION CONTROL	
HG	0.0000	BACT-OTHER
CAS NO. 743-9976	0.0000	0.000
	ACTIVATED CARBON INJECTION OR NA2S INJEC	*

NOTES: CO LIMIT-50 PPMV (8 H), 200 PPMV (1 H). PCDD & PCDF EXPRESSED AS 2,3,7,8 TC DD EQUIV. CONC. CORR. TO 7% O2. CE=99.95%(8 H). CEM FOR VE,CO,S02,NOX, & HC L. STACK TEST (6 MO) REQ. FOR PM,PM10,HCL,NOX,S02,BE,AS,CD,CR(+6), PB,HG,NI ,ZN, AND ANNUALLY FOR PCDD/PCD. THIS IS A REVISION TO PREVIOUS SUBMITTAL DATED 02/20/90. SOURCE MUST ALSO COMPLY WITH SUBPART OF EACH REQUIREMENT.

CONTROL EQUIPMENT FOR HG EMISSIONS: EITHER ACTIVATED CARBON OR SODIUM SULFIDE INJECTION TECHNOLOGY WILL BE INSTALLED.

BLIS ID No. PA-0088

DATE ENTERED/UPDATED: 06/24/93

COMPANY NAME/SITE LOCATION: WHEELABRATOR FALLS, INC.

NEW FORD MILL ROAD
FALLS TOWNSHIP, PA

BUCKS COUNTY

DETERMINATION IS FOR A NEW SOURCE.

PERMIT NO. 09-340-003

DETERMINATION MADE BY: PENNSYLVANIA DER, BUR OF AIR QUAL CTRL
(AGENCY)THOMAS MCGINLEY
(AGENCY CONTACT PERSON)DATE OF PERMIT ISSUANCE-- 05/29/92
ESTIMATED START-UP DATE-- 05/30/95
(215) 832-6241
(PHONE)

AIRS ID NO. 4201700254

EPA ID NO. PAD987380938

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT NAME	EMISSION LIMITS (PRIMARY) (STANDARDIZED)		BASIS EST & EFF
			CTRL EQUIPMENT/PROCESS MODIFICATION RANKING INFORMATION		

INCINERATORS, MUNICIPAL WASTE (2)

750.00 TPD (EACH)

PROCESS CODE 21.001
SCC CODE 5-02-001-01PM10
CAS NO.0.0100 GR/DSCF
0.0000
FABRIC FILTERBACT-PSD
99.700SO2
CAS NO.

7446-09-5

30.0000 PPMDV-HR
0.0000
SPRAY DRY ABSORBERBACT-PSD
80.000CO
CAS NO.

630-08-0

85.0000 PPMDV-4 HR AVG
0.0000
COMBUSTION CONTROLBACT-PSD
0.000NOX
CAS NO.180.0000 PPMDV-24 HR
0.0000BACT-PSD
54.000

SNCR

HG	120.0000 MICROG/M3	BACT-PSD
CAS NO. 7439-97-6	0.0000	80.000
	ACTIVATED CARBON	
PCDD&PCDF	1.0000 NG/NM3	BACT-PSD
CAS NO. 1746-01-6	0.0000	0.000
	COMBUSTION CONTROL	
HCL	25.0000 PPMV	NSPS
CAS NO. 7647-01-0	0.0000	90.000
	SPRAY DRY ABSORBER	

NOTES: CO LIMIT: 85 PPM DV 4HR BLOCK AVG.; 85 PPM DV 8HR RUNNING AVG.; 200 PPM DV
1 HR AVG; PCDD&PCDF EXPRESSED AS 2,3,7,8 TCDD EQUIVALENTS. CONCENTRATIONS
CORRECTED TO 7% O₂. CEM FOR CO, SO₂, NO_x, COMBUSTER OPERATING TEMPERATURE,
LIME SLURRY FEED SYSTEM. STACK TESTS FOR PM, AS, CD, CR(+6), PB, BE, HG,
ZN, NI, VOC EVERY 6 MONTHS, FOR PCDD/PCDF EVERY YEAR. SOURCE IS SUBJECT TO
NSPS SUBPART EA & DB. HG CONTROL COST: \$0.73/TON OF REFUSE FEED,
\$273,800/TON OF HG REMOVED.
MASSBURN TYPE WATERWALL STEAM GENERATOR - MUNICIPAL WASTE INCINERATORS ARE
BEING USED.

REPORT DATE: 07/27/93

DETAILED SOURCE LISTING (Part A)

PAGE H- 317

BLIS ID No. PA-0089

DATE ENTERED/UPDATED: 06/01/93

COMPANY NAME/SITE LOCATION: INTER-POWER OF PENNSYLVANIA
PENN CENTER WEST SUITE 229
PITTSBURGH, PA 15927-

CAMBRIA COUNTY

DETERMINATION IS FOR A NEW SOURCE.

PERMIT NO. 11-306-006

DETERMINATION MADE BY: PENNSYLVANIA DER, BUR OF AIR QUAL CTRL
(AGENCY) WILLIAM CHARLTON
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 11/28/90
ESTIMATED START-UP DATE-- / /
(412) 442-4174
(PHONE)

AIRS ID NO. 4202100092

EPA ID NO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT NAME	EMISSION LIMITS (PRIMARY) (STANDARDIZED)	
			CTRL EQUIPMENT/PROCESS MODIFICATION RANKING INFORMATION	BASIS EST & EFF

BOILER, POWER, CIRCULATING COAL FIRED FLUIDIZED

1120.00 MMBTU/HR

PROCESS CODE 11.002

SCC CODE 1-01-002-17

SO2

CAS NO. 7446-09-5

700.0000 LB/HR, 24 HR ROL AVG

BACT-PSD

95.000

0.5800 LB/MMBTU
LIMESTONE INJECTION AND FUEL BENEF

NOX

CAS NO.

224.0000 LB/ 24 HR ROL. AVG.

BACT-PSD

63.000

0.2000 LB/MMBTU

UREA/AMMONIA INJECTION SYSTEM

3/ 1 CONTROL OPTIONS EXAMINED/OPTION SELECTED

PM

CAS NO.

21.3000 LB/HR

BACT-PSD

99.600

0.0200 LB/MMBTU

FABRIC COLLECTOR

1/ 1 CONTROL OPTIONS EXAMINED/OPTION SELECTED

VOC	0.0100 LB/MMBTU	BACT-OTHER
CAS NO.	0.0100 LB/MMBTU	49.500
	GOOD OPERATING PRACTICE	
PB	0.0023 LB/MMBTU	BACT-PSD
CAS NO. 7439-92-1	0.0023 LB/MMBTU	0.000
BE	0.0001 LB/MMBTU	BACT-PSD
CAS NO.	0.0001 LB/MMBTU	0.000
HG	0.0000 LB/MMBTU	BACT-PSD
CAS NO. 7439-97-6	0.0000 LB/MMBTU	0.000
F	0.0014 LB/MMBTU	BACT-PSD
CAS NO.	0.0014 LB/MMBTU	0.000
AS	0.0014 LB/MMBTU	BACT-PSD
CAS NO. 7440-38-2	0.0014 LB/MMBTU	0.000

NOTES: FUEL IS BITUMINOUS COAL WASTE - 4589 BTU/LB, 2.08 WT% S, 55.93 WT% ASH. INITIAL STACK TESTS - PM, SO₂, NO_x, VOC, & CO -- ALSO HG, BE, PB, AS, & FLUORIDES. CONTINUOUS MONITORING - VE, SO₂, NO_x, & O₂. DEPARTMENT RESERVES RIGHT TO ADD CEM FOR CO. FACILITY SUBMITTED BACT RE-ANALYSIS 07/15/92. EACH OF THE TWO BOILERS ARE RATED AT 563.5 MMBTU/HR.

REPORT DATE: 07/27/93

DETAILED SOURCE LISTING (Part A)

PAGE H- 318

BLIS ID No. PA-0089

DATE ENTERED/UPDATED: 06/01/93

CO	302.0000 LB/HR	BACT-PSD
CAS NO. 630-08-0	0.2500 LB/MMBTU	0.000
SYSTEM DESIGN/OPERATING PRACTICES		
1/ 1 CONTROL OPTIONS EXAMINED/OPTION SELECTED		

NOTES:

REPORT DATE: 07/27/93

DETAILED SOURCE LISTING (Part A)

PAGE H- 319

BLIS ID No. PA-0090

DATE ENTERED/UPDATED: 06/03/93

COMPANY NAME/SITE LOCATION: PENNTECH PAPERS INC. SUBSIDIARY WILLAMETTE IND.
100 CENTER STREET
JOHNSONBURG, PA 15845-

ELK COUNTY

DETERMINATION IS FOR A MODIFIED SOURCE.

PERMIT NO. 24-306-003

DETERMINATION MADE BY: PENNSYLVANIA DER, BUR OF AIR QUAL CTRL
(AGENCY) DEVENDER VERMA
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 12/09/92
ESTIMATED START-UP DATE-- / /
(814) 332-6940
(PHONE)

AIRS ID NO. 4204700001

EPA ID NO. PAD049836737

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT NAME	EMISSION LIMITS (PRIMARY) (STANDARDIZED)		BASIC EST % EFF
			CTRL EQUIPMENT/PROCESS MODIFICATION RANKING INFORMATION		

KRAFT RECOVERY FURNACE

630.00 ADT/DAY

PROCESS CODE 30-002
SCC CODE 3-07-001-04

NOX	110.0000 PPM AT 8% O2	BACT-PSD
CAS NO.	119.0000 PPM AT 8% O2	0.000
	GOOD BOILER DESIGN AND OPERATIONAL PRACT *	

CO
CAS NO. 630-08-0

CO	300.0000 PPM AT 8% O2	BACT-PSD
	300.0000 PPM AT 8% O2	0.000
	GOOD BOILER DESIGN AND OPERATIONAL PRACT *	

PM10
CAS NO.

PM10	0.0270 GR/DSCF AT 8% O2	BACT-OTHER
	0.0270 GR/DSCF AT 8% O2	99.700
	ESP	

PM
CAS NO.

PM	0.0270 GR/DSCF AT 8% O2	BACT-OTHER
	0.0270 GR/DSCF AT 8% O2	99.700
	ESP	

BLIS ID No. PA-0090

DATE ENTERED/UPDATED: 06/03/93

S02	110.0000 PPM AT 8% O2	OTHER
CAS NO. 7446-09-5	110.0000 PPM AT 8% O2	0.000
	NONE	
TRS	5.0000 PPM(V) DRY AT 8% O2	NSPS
CAS NO.	5.0000 PPM(V) DRY AT 8% O2	0.000
	NONE	
VOC (AS CH4)	18.2000 LB/HR	OTHER
CAS NO. 74-82-8	18.2000 LB/HR	0.000
	NONE	

SMELT DISSOLVING TANK

630.00 ADT/DAY

PROCESS CODE: 30.002
SCC CODE 3-07-001-05

PM	0.2000 LB/TON BLS	NSPS
CAS NO.	0.2000 LB/TON BLS	92.900
	VENTURI SCRUBBER	
S02	61.0000 PPM(V) DRY AT 8% O2	OTHER
CAS NO. 7446-09-5	61.0000 PPM(V) DRY AT 8% O2	0.000
	NONE	
TRS	18.5000 PPM(V) DRY AT 10% O2	NSPS
CAS NO.	18.5000 PPM(V) DRY AT 10% O2	0.000
	NONE	

NOTES:

REPORT DATE: 07/27/93

DETAILED SOURCE LISTING (Part A)

PAGE H- 321

BLIS ID No. PA-0092

DATE ENTERED/UPDATED: 06/15/93

COMPANY NAME/SITE LOCATION: NEW JERSEY STEEL CORPORATION

OAK RIDGE ROAD
HAZLETON, PA 18201-

LUZERNE COUNTY

DETERMINATION IS FOR A NEW SOURCE.

PERMIT NO. 40-307-002

DETERMINATION MADE BY: PENNSYLVANIA DER, BUR OF AIR QUAL CTRL
(AGENCY)

MIKE SAFKA
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 12/31/92
ESTIMATED START-UP DATE-- / /
(717) 826-2531
(PHONE)

AIRS ID NO.

EPA ID NO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT NAME	EMISSION LIMITS (PRIMARY) (STANDARDIZED)		
			CTRL EQUIPMENT/PROCESS MODIFICATION	RANKING INFORMATION	BASIS EST % EFF

FURNACE, ELECTRIC ARC

120.00 TPH

PROCESS CODE 81.006
SCC CODE 3-03-009-04

PM 0.0052 GR/DSCF BACT-PSD
CAS NO. 0.0052 GR/DSCF 99.300

FABRIC FILTER (PTFE MEMBRANE)

3/ 1 CONTROL OPTIONS EXAMINED/OPTION SELECTED

CO 153.6000 LB/HR BACT-PSD
CAS NO. 630-08-0 0.0000 91.000
4TH HOLE DES

NO2 6.7200 LB/HR OTHER
CAS NO. 10102-44-0 0.0000 0.000

VOC 12.8000 LB/HR BACT-PSD
CAS NO. 0.0000 0.000

AS CAS NO. 7440-38-2	0.0010 LB/HR 0.0000	BACT-PSD 0.000
CD CAS NO. 7440-43-9	0.0150 LB/HR 0.0000	OTHER 0.000
CRVI CAS NO.	0.0700 LB/HR 0.0000	OTHER 0.000
VE CAS NO.	3.0000 % 0.0000	NSPS 0.000
PB CAS NO. 7439-92-1	0.3870 LB/HR 0.0000	BACT-PSD 0.000
HG CAS NO. 7439-97-6	0.0590 LB/HR 0.0000	BACT-PSD 0.000

NOTES: 1. PERMIT CONDITIONS REQUIRE THE USE OF PTFE MEMBRANE IN FABRIC FILTER.

FINAL ALLOWABLE PM EMISSION RATE WILL BE DETERMINED THROUGH STACK TESTING. CO & VE CEM'S ON EAF. SECONDARY SOURCES: LIME STORAGE, DUST HANDLING.

2. COSTS FOR WHEELABRATOR FABRIC FILTER: CAPITAL COSTS - \$10,644,000 ; COST EFFECTIVENESS - \$187/TON.

3. VE EMISSION LIMIT IS LESS THAN 3%.

4. FACILITY LOCATED IN THE HUMBOLDT INDUSTRIAL PARK.

REPORT DATE: 07/27/93

DETAILED SOURCE LISTING (Part A)

PAGE H- 323

BLIS ID No. PA-0093

DATE ENTERED/UPDATED: 06/14/93

COMPANY NAME/SITE LOCATION: NEWMAN PAPER CO.
6101 TACONY STREET
PHILADELPHIA, PA

PHILADELPHIA COUNTY

DETERMINATION IS FOR A NEW SOURCE.

PERMIT NO. 92014, 92015, 92016

DETERMINATION MADE BY: PHILADELPHIA DOPH, AIR MGMT SERV, PA
(AGENCY)

THOMAS HUYNH
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 04/24/92
ESTIMATED START-UP DATE-- / /
(215) 823-7572
(PHONE)

AIRS ID NO. 42-101

EPA ID NO. PAD002280626

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT NAME	EMISSION LIMITS (PRIMARY) (STANDARDIZED)	CTRL EQUIPMENT/PROCESS MODIFICATION RANKING INFORMATION	BASIS EST & EFF
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BOILER (WOOD)

0.00

PROCESS CODE 11.008
SCC CODE 10200902

PM
CAS NO.

0.1000 LBS/MMBTU
0.0000
BAGHOUSE

BACT-OTHER
99.000

NOX
CAS NO.

0.3000 LB/MMBTU
0.0000
LOW NOX BURNERS

BACT-OTHER
0.000

CO
CAS NO. 630-08-0

0.3000 LBS/MMBTU
0.0000

BACT-OTHER
0.000

NOTES: 1. DETERMINATION FOR WOOD BURNING BOILERS, WITH AFTERBURNERS AND BAGHOUSES.

2. BAGHOUSE OPERATES AT 41,400 LB/HR.

3. ALTERNATIVE BASELINE EMISSION RATES: PM - 25 TPY; NOX - 112 TPY;

CO - 112 TPY.

REPORT DATE: 07/27/93

DETAILED SOURCE LISTING (Part A)

PAGE H- 324

BLIS ID No. PA-0094

DATE ENTERED/UPDATED: 06/04/93

COMPANY NAME/SITE LOCATION: SOIL REMEDIATION OF PHILADELPHIA
3201 S. 61ST STREET
PHILADELPHIA, PA 19153-

PHILADELPHIA COUNTY

DETERMINATION IS FOR A MODIFIED SOURCE.

PERMIT NO. 90097, 90098

DETERMINATION MADE BY: PHILADELPHIA DOPH, AIR MGMT SERV, PA
(AGENCY)

THOMAS HUYNH
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 07/02/92
ESTIMATED START-UP DATE-- / /
(215) 823-7572
(PHONE)

AIRS ID NO. 42-101-01417

EPA ID NO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT NAME	EMISSION LIMITS (PRIMARY) (STANDARDIZED)	CTRL EQUIPMENT/PROCESS MODIFICATION RANKING INFORMATION	BASIS EST % EFF
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SOIL REMEDIATION

50.00 TPH

PROCESS CODE 22-006
SCC CODE 50300101

PM
CAS NO.

0.0400 GR/DSCF
0.0000

BACT-OTHER
99.800

AFTERBURNER AND BAGHOUSE, CARBON ADSORBE *

VOC
CAS NO.

0.0000 SEE NOTES
0.0000

0.000

AFTERBURNER AND CARBON ADSORPTION

NOTES: 1. DETERMINATION IS FOR SOIL REMEDIATION PROCESS WITH AFTERBURNERS AND BAGHOUSE.

2. 3% HC, 10% H2O, PB < 22 PPM, CD < 0.2 PPM, CR < 15 PPM: SOIL HAS TO BE TESTED BEFORE AND AT SITE FOR ACCEPTANCE.

3. ALTERNATIVE BASELINE EMISSION RATE FOR PM = 11 TPY; PM ALSO A FUGITIVE EMISSION.

4. ALTERNATIVE BASELINE EMISSION RATE FOR VOC = 4 TPY; VOC ALSO A FUGITIVE EMISSION. CONTROL DEVICES FOR VOC EMISSIONS ARE FOR UNTREATED SOIL STORAGE.

5. VOC EMISSION LIMIT IS 1400F @ 1 SEC.

REPORT DATE: 07/27/93

DETAILED SOURCE LISTING (Part A)

PAGE H- 326

BLIS ID No. PA-0095

DATE ENTERED/UPDATED: 06/07/93

COMPANY NAME/SITE LOCATION: TEMPLE UNIVERSITY
3400 N. BROAD STREET
PHILADELPHIA, PA

PHILADELPHIA COUNTY

DETERMINATION IS FOR A NEW SOURCE.

DATE OF PERMIT ISSUANCE-- / /

PERMIT NO. 92310

ESTIMATED START-UP DATE-- / /

DETERMINATION MADE BY: PHILADELPHIA DOPH, AIR MGMT SERV, PA
(AGENCY)

THOMAS HUYNH
(AGENCY CONTACT PERSON)

(215) 823-7572
(PHONE)

AIRS ID NO.

EPA ID NO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT NAME	EMISSION LIMITS (PRIMARY) (STANDARDIZED)	
			CTRL EQUIPMENT/PROCESS MODIFICATION RANKING INFORMATION	BASIS EST % EFF

ELECTRIC GENERATOR (NATURAL GAS)

1.60 MW

PROCESS CODE 15.004
SCC CODE 20300201

NOX
CAS NO.

2.0000 GRAM/BHP-HR
0.0000

BACT-OTHER
0.000

LEAN BURN GAS ENGINE

CO
CAS NO. 630-08-0

1.9200 GRAMS/BHP-HR
0.0000

BACT-OTHER
0.000

VOC
CAS NO.

31.0000 LBS/HR
0.0000

BACT-OTHER
0.000

NOTES: 1. OPERATES DURING PEAK HOURS, MAXIMUM OF 500 HR/YR.

2. ALTERNATIVE EMISSION LIMITS: NOX - 25 TPY; CO - 24 TPY; VOC - 8 TPY.

BLIS ID No. PA-0096

DATE ENTERED/UPDATED: 06/07/93

COMPANY NAME/SITE LOCATION: PHILADELPHIA SOUTHWEST WATER TREATMENT PLANT
ENTERPRISE AVENUE
PHILADELPHIA, PA

PHILADELPHIA COUNTY

DETERMINATION IS FOR A NEW SOURCE.

PERMIT NO. 92285 TO 92298

DETERMINATION MADE BY: PHILADELPHIA DOPH, AIR MGMT SERV, PA
(AGENCY)

THOMAS HUYNH
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 10/15/92
ESTIMATED START-UP DATE-- / /
(215) 823-7572
(PHONE)

AIRS ID NO. 42-101-09514

EPA ID NO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT NAME	EMISSION LIMITS (PRIMARY) (STANDARDIZED)		BACT-OTHER
			CTRL EQUIPMENT/PROCESS MODIFICATION RANKING INFORMATION	BASIS EST % EFF	

ENGINES (2) (NATURAL GAS)

443.00 KW (EACH)

PROCESS CODE 15.004
SCC CODE 20300101

NOX
CAS NO.

2.0000 GRAMS/BHP-HR
0.0000

BACT-OTHER
0.000

PM
CAS NO.

0.3200 GRAM/BHP-HR
0.0000

BACT-OTHER
0.000

CO
CAS NO. 630-08-0

0.0000
6.4000 GRAMS/BHP-HR

OTHER
0.000

VOC
CAS NO.

0.0000
1.1200 GRAMS/BHP-HR

OTHER
0.000

BLIS ID No. PA-0096

DATE ENTERED/UPDATED: 06/07/93

ENGINES (11) (DIESEL)		1156.00 KW (EACH)			
PROCESS CODE 15.002 SCC CODE 20300201	NOX	2.0000	GRAMS/BHP-HR	BACT-OTHER	
	CAS NO.	0.0000		80.000	
		SCR			
PM	PM	0.3200	GRAM/BHP-HR	BACT-OTHER	
	CAS NO.	0.0000		0.000	
CO	CO	0.0000		OTHER	
	CAS NO. 630-08-0	6.4000	GRAMS/BHP-HR	0.000	
VOC	VOC	0.0000		OTHER	
	CAS NO.	1.1200	GRAMS/BHP-HR	0.000	

NOTES: 1. PEAK SHARING: 250 HR/YR FOR DIESEL ENGINES, 8000 HRS/YR FOR GAS ENGINES.
 2. ALTERNATIVE BASELINE EMISSION RATE: NOX - 30 TPY; PM - 1.5 TPY;
 CO - 58 TPY; VOC - 15 TPY.

BLIS ID No. PA-0097

DATE ENTERED/UPDATED: 06/07/93

COMPANY NAME/SITE LOCATION: PHILADELPHIA NORTHEAST WATER TREATMENT PLANT
3900 RICHMOND STREET
PHILADELPHIA, PA

PHILADELPHIA COUNTY

DETERMINATION IS FOR A NEW SOURCE.

PERMIT NO. 92299 TO 92309

DETERMINATION MADE BY: PHILADELPHIA DOPH, AIR MGMT SERV, PA
(AGENCY)THOMAS HUYNH
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- / /

ESTIMATED START-UP DATE-- / /

(215) 823-7572

(PHONE)

AIRS ID NO. 42-101-09513

EPA ID NO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT NAME	EMISSION LIMITS (PRIMARY) (STANDARDIZED)		BASIC EST % EFF
			CTRL EQUIPMENT/PROCESS MODIFICATION RANKING INFORMATION		

ENGINES (3) (NATURAL GAS)

443.00 KW (EACH)

PROCESS CODE 15.004
SCC CODE 20300101NOX
CAS NO. 2.0000 GRAMS/BHP-HR
0.0000 BACT-OTHER
0.000PM
CAS NO. 0.3200 GRAMS/BHP-HR
0.0000 BACT-OTHER
0.000CO
CAS NO. 630-08-0
0.0000 OTHER
6.4000 GRAMS/BHP-HR
0.000VOC
CAS NO. 0.0000 OTHER
1.1200 GRAMS/BHP-HR
0.000

ENGINES (7) (DIESEL)

1635.00 KW (EACH)

PROCESS CODE 15.002
SCC CODE 20300201

NOX	2.0000 GRAMS/BHP-HR	BACT-OTHER
CAS NO.	0.0000	80.000
	SCR	
PM	0.3200 GRAMS/BHP-HR	BACT-OTHER
CAS NO.	0.0000	0.000
CO	0.0000	OTHER
CAS NO. 630-08-0	6.4000 GRAMS/BHP-HR	0.000
VOC	0.0000	OTHER
CAS NO.	1.1200 GRAMS/BHP-HR	0.000

NOTES: 1. PEAK SHARING: 250 HPY FOR DIESEL ENGINES, 8000 HPY FOR GAS ENGINES.
2. ALTERNATIVE BASELINE EMISSION RATE: NOX - 40 TPY; PM - 1.5 TPY;
CO - 71 TPY; VOC - 21 TPY.

REPORT DATE: 07/27/93

DETAILED SOURCE LISTING (Part A)

PAGE H- 331

BLIS ID No. PA-0098

DATE ENTERED/UPDATED: 06/24/93

COMPANY NAME/SITE LOCATION: GRAYS FERRY CO. GENERATION PARTNERSHIP
2600 CHRISTIAN STREET
PHILADELPHIA, PA 19146-

PHILADELPHIA COUNTY

DETERMINATION IS FOR A MODIFIED SOURCE.

PERMIT NO. 92181 TO 92184

DETERMINATION MADE BY: PHILADELPHIA DOPH, AIR MGMT SERV, PA
(AGENCY)

THOMAS HUYNH
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 11/04/92
ESTIMATED START-UP DATE-- / /
(215) 823-7572
(PHONE)

AIRS ID NO. 42-101-04902

EPA ID NO. PAD000796326

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT NAME	EMISSION LIMITS (PRIMARY) (STANDARDIZED)	
			CTRL EQUIPMENT/PROCESS MODIFICATION RANKING INFORMATION	BASIS EST % EFF

TURBINE (NATURAL GAS & OIL)

1150.00 MMBTU

PROCESS CODE 15.007
SCC CODE 20100201

PM	0.1000 LB/MMBTU*	BACT-OTHER
CAS NO.	0.0000	0.000
	DRY LOW NOX BURNER	
NOX	9.0000 PPMVD (NAT. GAS)*	BACT-OTHER
CAS NO.	0.0000	0.000
	DRY LOW NOX BURNER	
CO	0.0055 LB/MMBTU (GAS)*	BACT-OTHER
CAS NO. 630-08-0	0.0000	0.000
	COMBUSTION	
VOC	0.0033 LB/MMBTU*	BACT-OTHER
CAS NO.	0.0000	0.000
	COMBUSTION	

REPORT DATE: 07/27/93

DETAILED SOURCE LISTING (Part A)
BLIS ID No. PA-0098

PAGE H- 332
DATE ENTERED/UPDATED: 06/24/93

GENERATOR, STEAM

450.00 MMBTU

PROCESS CODE 15.007
SCC CODE

PM
CAS NO.
0.1000 LB/MMBTU*
0.0000
DRY LOW NOX BURNER

BACT-OTHER
0.000

NOX
CAS NO.

9.0000 PPMVD (NAT. GAS)*
0.0000
DRY LOW NOX BURNER

BACT-OTHER
0.000

CO
CAS NO. 630-08-0

0.0055 LB/MMBTU (NAT GAS)*
0.0000
COMBUSTION

BACT-OTHER
0.000

VOC
CAS NO.

0.0033 LB/MMBTU*
0.0000
COMBUSTION

BACT-OTHER
0.000

BOILER (NATURAL GAS & OIL)

0.00

PROCESS CODE 11.004
SCC CODE

PM
CAS NO.

0.1000 LB/MMBTU*
0.0000
DRY LOW NOX BURNER

BACT-OTHER
0.000

NOX
CAS NO.

9.0000 PPMVD (NAT. GAS)*
0.0000
DRY LOW NOX BURNER

BACT-OTHER
0.000

CO
CAS NO. 630-08-0

0.0055 LB/MMBTU (NAT GAS)*
0.0000
COMBUSTION

BACT-OTHER
0.000

VOC
CAS NO.

0.0033 LB/MMBTU*
0.0000
COMBUSTION

BACT-OTHER
0.000

NOTES: 1. SOURCE IS NETTING OUT OF NSR.

2. * = EMISSION LIMITS IDENTIFIED ARE TOTAL FOR ENTIRE FACILITY.

REPORT DATE: 07/27/93

DETAILED SOURCE LISTING (Part A)

PAGE H- 333

BLIS ID No. SC-0015

DATE ENTERED/UPDATED: 07/07/93

COMPANY NAME/SITE LOCATION: WILLAMETTE INDUSTRIES
S.C. HIGHWAY 912
BENNETTSVILLE, SC 29512-

MARLBORO COUNTY

DETERMINATION IS FOR A NEW SOURCE.

PERMIT NO. 1680-0043

DETERMINATION MADE BY: SOUTH CAROLINA DEPT OF HEALTH & ENV CTRL
(AGENCY) BOB MAHONEY
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 09/29/88
ESTIMATED START-UP DATE-- 11/01/90
(803) 734-4476
(PHONE)

AIRS ID NO. 069 00043

EPA ID NO. SCD987575537

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT NAME	EMISSION LIMITS (PRIMARY) (STANDARDIZED)		
			CTRL EQUIPMENT/PROCESS MODIFICATION		BASIS
			RANKING INFORMATION		EST % EFF

BOILER, RECOVERY, #1

840.00 T/D ADP

PROCESS CODE 30.002
SCC CODE 3-07-001-10

PM 0.0300 GR/DSCF AT 8% O2 BACT-PSD
CAS NO. 0.0000 99.600

ESP

TRS 5.0000 PPM AT 8% O2 NSPS
CAS NO. 0.0000 0.000

LOW ODOR DESIGN BOILER

NOX 150.0000 PPM, DRY BASIS BACT-PSD
CAS NO. 0.0000 0.000

BOILER DESIGN & OPERATION

SO2 200.0000 PPM, DRY BASIS BACT-PSD
CAS NO. 7446-09-5 0.0000 0.000

LOW ODOR DESIGN BOILER

CO	2.0000 LB/T ADP	BACT-PSD
CAS NO. 630-08-0	0.0000	0.000
	BOILER DESIGN & OPER.	
VOC	2.0000 LB/T ADP	BACT-PSD
CAS NO.	0.0000	0.000
	BOILER DESIGN & OPERATION	
VE	35.0000 % OPACITY	NSPS
CAS NO.	0.0000	0.000
	840.00 T/D ADP	
DISSOLVING TANK #1, SMELT		
PROCESS CODE 30.002		
SCC CODE 3-07-001-05		
PM	0.1990 LB/T BLS	BACT-PSD
CAS NO.	0.0000	96.000
	WET SCRUBBER	
TRS	0.0300 LB/T BLS	BACT-PSD
CAS NO.	0.0000	0.000
	NON-SULFIDE SCRUBBING LIQUID	
SO2	0.0500 LB/T BLS	BACT-PSD
CAS NO. 7446-09-5	0.0000	0.000
	NON-SULFIDE SCRUBBING LIQUID	
VOC	0.1600 LB/T BLS	BACT-PSD
CAS NO.	0.0000	0.000
	NON-SULFIDE SCRUBBING LIQUID	
VE	20.0000 % OPACITY	OTHER
CAS NO.	0.0000	0.000

BLIS ID No. SC-0015

DATE ENTERED/UPDATED: 07/07/93

KILN #1, LIME

220.00 T/D CAO

PROCESS CODE 30.002

SCC CODE 3-07-001-06

PM	0.0540 GR/DSCF AT 10% O2	BACT-PSD
CAS NO.	0.0000	99.300
	ESP	
TRS	8.0000 PPM AT 10% O2	NSPS
CAS NO.	0.0000	0.000
	PROCESS CONTROLS	
NOX	35.0000 LB/H	BACT-PSD
CAS NO.	0.0000	0.000
	KILN DESIGN & OPERATION	
SO2	10.5000 LB/H	BACT-PSD
CAS NO.	0.0000	0.000
	CHEMICAL REACTION W/LIME	
CO	3.5000 LB/H	BACT-PSD
CAS NO.	0.0000	0.000
	KILN DESIGN & OPERATION	
VOC	8.8000 LB/H	BACT-PSD
CAS NO.	0.0000	0.000
	KILN DESIGN & OPERATION	
VE	20.0000 % OPACITY	OTHER
CAS NO.	0.0000	0.000

BOILER

470.00 MMBTU/H

PROCESS CODE 11.004

SCC CODE 1-02-009-02

PM	0.0500 LB/MMBTU	LAER
CAS NO.	0.0500 LB/MMBTU	92.500
	MULTICLONES & VENTURI SCRUBBER	

BLIS ID No. SC-0015

DATE ENTERED/UPDATED: 07/07/93

BOILER, GAS FIRED	PROCESS CODE 11.005 SCC CODE 1-02-006-01	305.00 MMBTU/H	NOX	0.3000 LB/MMBTU	LAER
			CAS NO.	0.3000 LB/MMBTU	0.000
				BOILER DESIGN & OPERATION	
			CO	0.3000 LB/MMBTU	LAER
			CAS NO. 630-08-0	0.3000 LB/MMBTU	0.000
				BOILER DESIGN & OPERATION	
			VOC	0.1000 LB/MMBTU	LAER
			CAS NO.	0.1000 LB/MMBTU	0.000
				BOILER DESIGN & OPERATION	
			VE	20.0000 % OPACITY	OTHER
			CAS NO.	0.0000	0.000
			NOX	0.1200 LB/MMBTU	BACT-PSD
			CAS NO.	0.1200 LB/MMBTU	0.000
				BOILER DESIGN & OPERATION	
			CO	12.0000 LB/H	BACT-PSD
			CAS NO. 630-08-0	0.0000	0.000
				BOILER DESIGN & OPERATION	
			VE	20.0000 % OPACITY	OTHER
			CAS NO.	0.0000	0.000
SLAKER #1, GREEN LIQUOR	PROCESS CODE 30.002 SCC CODE 3-07-001-99	9.50 T/H	PM	2.0000 LB/H	BACT-PSD
			CAS NO.	0.0000	0.000
				LOW ENERGY SCRUBBER	

BLIS ID No. SC-0015

DATE ENTERED/UPDATED: 07/07/93

WASHER, BROWN STOCK	VE	20.0000 % OPACITY	OTHER
	CAS NO.	0.0000	0.0000
PROCESS CODE 30.002 SCC CODE 3-07-001-99	TRS	5.0000 PPM, DRY BASIS	BACT-PSD
	CAS NO.	0.0000	0.0000
VENTED TO NCG INCINERATOR OR LIME KILN			
EVAPORATOR, MULTIPLE EFFECT	VE	20.0000 % OPACITY	OTHER
	CAS NO.	0.0000	0.0000
PROCESS CODE 30.002 SCC CODE 3-07-001-99	TRS	5.0000 PPM, DRY BASIS	BACT-PSD
	CAS NO.	0.0000	0.0000
VENTED TO NCG INCINERATOR OR LIME KILN			
TANK, ACCUMULATOR	VE	20.0000 % OPACITY	OTHER
	CAS NO.	0.0000	0.0000
PROCESS CODE 30.002 SCC CODE 3-07-001-99	TRS	5.0000 PPM, DRY BASIS	BACT-PSD
	CAS NO.	0.0000	0.0000
VENTED TO NCG INCINERATOR OR LIME KILN			
GENERATOR, GAS, CHLORINE DIOXIDE	VE	20.0000 % OPACITY	OTHER
	CAS NO.	0.0000	0.0000
PROCESS CODE 30.002 SCC CODE 3-07-001-99	CLO2	6.0000 LB/H	BACT-PSD
	CAS NO. 10049-04-4	0.0000	0.0000
ADSORPTION COLUMN			
PLANT, BLEACHING	VE	20.0000 % OPACITY	OTHER
	CAS NO.	0.0000	0.0000
PROCESS CODE 30.002 SCC CODE 3-07-001-99	CL	1.0000 LB/H	BACT-PSD
	CAS NO. 7782-50-5	0.0000	0.0000
SCRUBBER			

CLO2	1.0000 LB/H	BACT-PSD
CAS NO. 10049-04-4	0.0000	0.000
	SCRUBBER	
VE	20.0000 % OPACITY	OTHER
CAS NO.	0.0000	0.000

NOTES:

BLIS ID No. SC-0016

DATE ENTERED/UPDATED: 07/07/93

COMPANY NAME/SITE LOCATION: UNION CAMP PULP AND PAPER MILL
EASTOVER, SC 29044-

RICHLAND COUNTY

DETERMINATION IS FOR A NEW SOURCE.

PERMIT NO. 1900-0046

DETERMINATION MADE BY: SOUTH CAROLINA DEPT OF HEALTH & ENV CTRL
(AGENCY)

BOB MAHONEY
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 05/01/89
ESTIMATED START-UP DATE-- 01/01/91
(803) 734-4476
(PHONE)

AIRS ID NO. 079 00046

EPA ID NO. SCD987575651

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT NAME	EMISSION LIMITS (PRIMARY) (STANDARDIZED)	CTRL EQUIPMENT/PROCESS MODIFICATION RANKING INFORMATION	BASIS EST % EFF
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BOILER, RECOVERY, #2

1463.00 T/D ADP

PROCESS CODE 30.002

SCC CODE 3-07-001-10

PM

CAS NO.

0.0300 DR/DSCF AT 8% O2
0.0000

ESP

BACT-PSD
0.000

TRS

CAS NO.

5.0000 PPM AT 8% O2
0.0000

LOW ODOR DESIGN BOILER

NSPS
0.000

NOX

CAS NO.

150.0000 PPM, DRY BASIS AT 8%
0.0000

BOILER DESIGN & OPERATION

LAER
0.000

SO2

CAS NO. 7446-09-5

200.0000 PPM, DRY BASIS AT 8%
0.0000

BOILER DESIGN & OPERATION

LAER
0.000

BLIS ID No. SC-0016

DATE ENTERED/UPDATED: 07/07/93

CO		8.0000 LB/T ADP	BACT-PSD
CAS NO. 630-08-0		0.0000	0.000
BOILER DESIGN & OPER			
VE		35.0000 % OPACITY	NSPS
CAS NO.		0.0000	0.000
1463.00 T/D ADP			
TANK, SMELT DISSOLVING, #2			
PROCESS CODE 30.002			
SCC CODE 3-07-001-05			
PM		0.2000 LB/T BLS	NSPS
CAS NO.		0.0000	0.000
WET SCRUBBER			
TRS		0.0168 LB/T BLS	LAER
CAS NO.		0.0000	0.000
NON-SULFIDE SCRUBBING LIQUID			
S02		0.1000 LB/T ADP	BACT-PSD
CAS NO. 7446-09-5		0.0000	0.000
NON-SULFIDE SCRUBBING LIQUID			
VE		20.0000 % OPACITY	OTHER
CAS NO.		0.0000	0.000
265.00 T/D CAO			
KILN, LIME, #2			
PROCESS CODE 90.019		0.1000 GR/DSCF AT 10% O2	BACT-PSD
SCC CODE 3-07-001-06		0.0000	0.000
ESP			
PM			
CAS NO.			
TRS		8.0000 PPM AT 10% O2	NSPS
CAS NO.		0.0000	0.000
PROCESS CONTROLS			

BLIS ID No. SC-0016

DATE ENTERED/UPDATED: 07/07/93

NOX		0.8500 LB/MMBTU	BACT-PSD
CAS NO.		0.0000	0.000
		KILN DESIGN & OPERATION	
SO2		0.2000 LB/T ADP	BACT-PSD
CAS NO. 7446-09-5		0.0000	0.000
		CHEMICAL REACTION WITH LIME	
CO		0.1000 LB/T ADP	BACT-PSD
CAS NO. 630-08-0		0.0000	0.000
		KILN DESIGN & OPERATION	
VOC		1.6000 LB/T CAO	BACT-PSD
CAS NO.		0.0000	0.000
		KILN DESIGN & OPERATION	
VE		20.0000 % OPACITY	NSPS
CAS NO.		0.0000	0.000
BOILER, WOODWASTE/BARK/OIL/COAL FIRED		500.00 MMBTU/H	
PROCESS CODE 11.004			
SCC CODE 1-02-009-02			
PM		0.0600 LB/MMBTU	BACT-PSD
CAS NO.		0.0600 LB/MMBTU	0.000
		MULTICLONE/ESP	
SO2		1.2000 LB/MMBTU	NSPS
CAS NO. 7446-09-5		1.2000 LB/MMBTU	0.000
		BOILER DESIGN & OPERATION	
NOX		0.5000 LB/MMBTU	BACT-PSD
CAS NO.		0.5000 LB/MMBTU	0.000
		BOILER DESIGN & OPERATION	
CO		1.0000 LB/MMBTU	BACT-PSD
CAS NO. 630-08-0		1.0000 LB/MMBTU	0.000
		BOILER DESIGN & OPERATION	

SLAKER, GREEN LIQUOR, #2	770.00 GAL/MIN	PROCESS CODE 30.002		NSPS	0.000
		SCC CODE 3-07-001-99			
		BOILER DESIGN & OPERATION			
		VE	20.0000 % OPACITY		
		CAS NO.	0.0000		
		PM	2.0000 LB/H		
		CAS NO.	0.0000		
		WET SCRUBBER			
		VE	20.0000 % OPACITY		
		CAS NO.	0.0000		
PLANT, BLEACH, #2	1463.00 T/D ADP	PROCESS CODE 30.002		BACT-PSD	0.000
		SCC CODE 3-07-001-99			
		CL	3.4000 LB/H		
		CAS NO. 7782-50-5	0.0000		
		WET SCRUBBER			
		CHLOROFORM	25.0000 LB/H		
		CAS NO. 67-66-3	0.0000		
		WET SCRUBBER			
		VE	20.0000 % OPACITY		
		CAS NO.	0.0000		
STRIPPING SYSTEM #2, CONDENSATE	1463.00 T/D ADP	PROCESS CODE 30.002		BACT-PSD	0.000
		SCC CODE 3-07-001-99			
		TRS	0.0000		
		CAS NO.	0.0000		
		VENTED TO INCINERATOR #2/BOILER #2			

EVAPORATOR SET #2	1463.00 T/D ADP					
PROCESS CODE 30.002		TRS	0.0000	BACT-PSD		
SCC CODE 3-07-001-99		CAS NO.	0.0000	0.000		
			VENTED TO INCINERATOR #2/BOILER #2			
DIGESTER SYSTEM #2	1463.00 T/D ADP					
PROCESS CODE 30.002		TRS	0.0000	NSPS		
SCC CODE 3-07-001-99		CAS NO.	0.0000	0.000		
			INCINERATION			
WASHING SYSTEM #2, BROWN STOCK	1463.00 T/D ADP					
PROCESS CODE 30.002		TRS	0.0000	NSPS		
SCC CODE 3-07-001-99		CAS NO.	0.0000	0.000		
			INCINERATION			
FURNACE, RECOVERY #1	822.00 T/D ADP					
PROCESS CODE 30.002		PM	0.0360 GR/DSCF AT 8% O2	BACT-PSD		
SCC CODE 3-07-001-10		CAS NO.	0.0000	0.000		
			ESP			
		TRS	8.0000 PPM AT 8% O2	NSPS		
		CAS NO.	0.0000	0.000		
			LOW ODOR DESIGN BOILER			
		NOX	200.0000 PPM AT 8% O2	BACT-PSD		
		CAS NO.	0.0000	0.000		
			BOILER DESIGN & OPERATION			
		SO2	200.0000 PPM AT 8% O2	BACT-PSD		
		CAS NO. 7446-09-5	0.0000	0.000		
			BOILER DESIGN & OPERATION			

TANK, SMELT DISSOLVING, #1		822.00 T/D ADP		
PROCESS CODE 30.002				
SCC CODE 3-07-001-05				
CO	CAS NO. 630-08-0	8.0000 LB/T ADP	BACT-PSD	
		0.0000	0.000	
		BOILER DESIGN & OPERATION		
VE	CAS NO.	35.0000 % OPACITY	NSPS	
		0.0000	0.000	
PM	CAS NO.	0.2000 LB/T BLS	NSPS	
		0.0000	0.000	
		WET SCRUBBER		
TRS	CAS NO.	0.0168 LB/T BLS	LAER	
		0.0000	0.000	
		NON-SULFIDE SCRUBBING LIQUID		
SO2	CAS NO. 7446-09-5	0.1000 LB/T ADP	BACT-PSD	
		0.0000	0.000	
		NON-SULFIDE SCRUBBING LIQUID		
VE	CAS NO.	20.0000 % OPACITY	OTHER	
		0.0000	0.000	
		NON-SULFIDE SCRUBBING LIQUID		
PLANT, CHLORINE DIOXIDE, #1		52.00 T/D		
PROCESS CODE 30.002				
SCC CODE 3-07-001-99				
CLO2	CAS NO. 10049-04-4	2.0000 LB/H	BACT-PSD	
		0.0000	0.000	
		WET SCRUBBER		
VE	CAS NO.	20.0000 % OPACITY	OTHER	
		0.0000	0.000	

NOTES:

REPORT DATE: 07/27/93

DETAILED SOURCE LISTING (Part A)

PAGE H- 345

BLIS ID No. SC-0017

DATE ENTERED/UPDATED: 03/31/93

COMPANY NAME/SITE LOCATION: CELLWOOD PRODUCTS
100 CELLWOOD PLACE
GAFFNEY, SC 29340-

CHEROKEE COUNTY

DETERMINATION IS FOR A MODIFIED SOURCE.

PERMIT NO. 0600-0016

DETERMINATION MADE BY: SOUTH CAROLINA DEPT OF HEALTH & ENV CTRL
(AGENCY)

RHONDA H. BANKS
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 08/30/91
ESTIMATED START-UP DATE-- 12/01/91
(803)-734-5410
(PHONE)

AIRS ID NO. 021 00016

EPA ID NO. SCD054241229

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT NAME	EMISSION LIMITS (PRIMARY) (STANDARDIZED)	
			CTRL EQUIPMENT/PROCESS MODIFICATION RANKING INFORMATION	BASIS EST & EFF

COATING LINE, INCL. BOOTHS, DRYERS, AND OVENS 1000000.00 PAIRS OF SHUTTERS/YR

PROCESS CODE 41.016
SCC CODE 4-02-022-01

VOC 56.3500 LB/GAL ACS LAER 0.000
CAS NO. 0.0000
EQUIPMENT REPLACEMENTS, REFORMULATING PA *
6/ 1 CONTROL OPTIONS EXAMINED/OPTION SELECTED

COATING LINE2, INCL. BOOTHS, DRYERS, AND OVENS 1000000.00 PAIRS OF SHUTTERS/YR

PROCESS CODE 41.016
SCC CODE 4-02-022-01

VOC 56.3500 LB/GAL ACS LAER 0.000
CAS NO. 0.0000
EQUIPMENT REPLACEMENTS, REFORMULATING PA *
6/ 1 CONTROL OPTIONS EXAMINED/OPTION SELECTED

NOTES: MOLDING & SURFACE COATING OF POLYPROPYLENE SHUTTERS. LOWEST ACHIEVABLE EMIS
SION RATE FOR THIS FACILITY WAS ACHIEVED BY MODIFYING THE CURRENT OPERATION
RATHER THAN INSTALLING ADD-ON CONTROL TECHNOLOGY INCAPABLE OF CAPTURING FU
GITIVE EMISSIONS.
TOP DOWN BACT OPTION CHOSEN IS CONSIDERED "LOW COST."

REPORT DATE: 07/27/93

DETAILED SOURCE LISTING (Part A)
BLIS ID No. SC-0018

PAGE H- 346
DATE ENTERED/UPDATED: 06/24/93

COMPANY NAME/SITE LOCATION: FUJI PHOTO FILM, INC.
215 PUCKETTS FERRY ROAD
GREENWOOD, SC 29648-

GREENWOOD COUNTY

DETERMINATION IS FOR A NEW SOURCE.

PERMIT NO. 1240-0050-CG,CH,CI,CJ

DETERMINATION MADE BY: SOUTH CAROLINA DEPT OF HEALTH & ENV CTRL
(AGENCY)

STEVE HAWKINS
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 10/17/90
ESTIMATED START-UP DATE-- 10/01/92
(803) 734-4917
(PHONE)

AIRS ID NO. 047 00050

EPA ID NO. SCD987582038

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT NAME	EMISSION LIMITS (PRIMARY) (STANDARDIZED) CTRL EQUIPMENT/PROCESS MODIFICATION RANKING INFORMATION	BASIS EST % EFF
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MIXING AND COATING LINE, NO. 1

460.30 LB/HR

PROCESS CODE 41.999
SCC CODE 4-02-999-95

VOC
CAS NO.

97.5000 % REDUCTION
0.0000

LAER
97.500

100% CAPTURE, THERMAL INCINERATION

MIXING AND COATING LINE, NO. 2

460.30 LB/HR

PROCESS CODE 41.999
SCC CODE 4-02-999-95

VOC
CAS NO.

97.9000 % REDUCTION
0.0000

LAER
97.900

100% CAPTURE, THERMAL INCINERATION

NOTES: USEPA CONCLUDED THAT "BEST DEMONSTRATED TECHNOLOGY" WAS A 93% OVERALL EFFICIENT CONTROL SYSTEM. FUJI PROPOSES 100% CAPTURE W/ 97.5 AND 97.9% EFFICIENT THERMAL INCINERATORS.

REPORT DATE: 07/27/93

DETAILED SOURCE LISTING (Part A)

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BLIS ID No. SC-0019

DATE ENTERED/UPDATED: 03/31/93

COMPANY NAME/SITE LOCATION: UNION CAMP CORPORATION - BAG DIVISION
345 CEDAR SPRING ROAD
SPARTANBURG, SC 29304-

SPARTANBURG COUNTY

DETERMINATION IS FOR A NEW SOURCE.

PERMIT NO. 2060-0075

DETERMINATION MADE BY: SOUTH CAROLINA DEPT OF HEALTH & ENV CTRL
(AGENCY) RHONDA H BANKS
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 07/24/91
ESTIMATED START-UP DATE-- 11/20/91
(803)-734-5410
(PHONE)

AIRS ID NO. 083-00075

EPA ID NO. SCD003340692

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT NAME	EMISSION LIMITS (PRIMARY) (STANDARDIZED)	CTRL EQUIPMENT/PROCESS MODIFICATION RANKING INFORMATION	BASIS EST % EFF
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PRESS, UNIT 181

180.00 BAGS/MIN

PROCESS CODE 41.021

SCC CODE

VOC

CAS NO.

7.8800 T/YR

0.0000

LAER

0.000

WATER BASE INKS

3/ 1 CONTROL OPTIONS EXAMINED/OPTION SELECTED

PRESS, UNIT 182

180.00 BAGS/MIN

PROCESS CODE 41.021

SCC CODE

VOC

CAS NO.

7.8800 T/YR

0.0000

LAER

0.000

WATER BASE INKS

3/ 1 CONTROL OPTIONS EXAMINED/OPTION SELECTED

NOTES: THESE PRESSES WILL BE USED TO MANUFACTURE MICROWAVE POPCORN BAGS. WATER BASED INKS WERE ALSO PREFERRED TO PREVENT POSSIBLE RESIDUAL SOLVENTS FROM BEING RELEASED UPON HEATING THE BAGS AND ABSORBED INTO THE FOOD.

FLEXOGRAPHIC PRINTING AND HEAT SEAL ON THE BAGS

REPORT DATE: 07/27/93

DETAILED SOURCE LISTING (Part A)

BLIS ID No. SC-0021

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DATE ENTERED/UPDATED: 03/31/93

COMPANY NAME/SITE LOCATION: CAROLINA POWER AND LIGHT CO.
DARLINGTON, SC

DARLINGTON COUNTY

DETERMINATION IS FOR A NEW SOURCE.

PERMIT NO. 0820-0033-CA TO CC

DETERMINATION MADE BY: SOUTH CAROLINA DEPT OF HEALTH & ENV CTRL
(AGENCY)

JOHN HIERS
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 09/23/91
ESTIMATED START-UP DATE-- 06/01/94
(803) 734-4857
(PHONE)

AIRS ID NO. 031 00033

EPA ID NO. SCD987569969

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT NAME	EMISSION LIMITS (PRIMARY) (STANDARDIZED)	CTRL EQUIPMENT/PROCESS MODIFICATION RANKING INFORMATION	BASIS EST % EFF
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TURBINE, I.C.

80.00 MW

PROCESS CODE 15.007
SCC CODE 2-01-002-01

NOX
CAS NO.

292.0000 LB/H
0.0000
BACT-PSD
50.000

WATER INJECTION

6/ 5 CONTROL OPTIONS EXAMINED/OPTION SELECTED

PM
CAS NO.

15.0000 LB/H
0.0000
BACT-PSD
0.000

SO2
CAS NO. 7446-09-5

228.0000 LB/H
0.0000
BACT-PSD
0.000

LOW SULFUR FUEL

4/ 2 CONTROL OPTIONS EXAMINED/OPTION SELECTED

CO
CAS NO. 630-08-0

60.0000 LB/H
0.0000
BACT-PSD
0.000

BLIS ID No. SC-0021

DATE ENTERED/UPDATED: 03/31/93

VOC	10.0000 LB/H	BACT-PSD
CAS NO.	0.0000	0.000
H2SO4	3.0000 LB/H	BACT-PSD
CAS NO. 7664-93-9	0.0000	0.000

NOTES: THESE ARE PEAKING UNITS. LIMITED TO 2750 HOURS OF OPERATION/YR. PRIMARY FUEL IS NAT. GAS, W/ NO.2 FUEL OIL AS SECONDARY FUEL. MAX SULFUR CONTENT OF NO. 2 FUEL OIL IS 0.2%.

COMPANY NAME/SITE LOCATION: MACK TRUCKS, INC.
US 321 & SC 269
WINNSBORO, SC 29180-

FAIRFIELD COUNTY

DETERMINATION IS FOR A NEW SOURCE.
PERMIT NO. 1000-0014

DATE OF PERMIT ISSUANCE-- 02/03/86

ESTIMATED START-UP DATE-- / /

DETERMINATION MADE BY: SOUTH CAROLINA DEPT OF HEALTH & ENV CTRL
(AGENCY)

JAMES WHITE
(AGENCY CONTACT PERSON)

(803) 734-4750
(PHONE)

AIRS ID NO. 039 00014

EPA ID NO. SCD987575172

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT NAME	EMISSION LIMITS (PRIMARY) (STANDARDIZED)		BASIS EST % EFF
			CTRL EQUIPMENT/PROCESS MODIFICATION RANKING INFORMATION		
COATING OF VEHICLE CHASSIS, TANKS, PARTS (J-1)	100.00 TRUCKS PER DAY				
PROCESS CODE 41.013		VOC	2970.0000 LBS/WEEK	LAER	0.000
SCC CODE 40202599		CAS NO.	0.0000		
			LOW SOLVENT COATINGS		
COATING OF VEHICLE EXTERIORS WITH MULTITONES (K-2)	100.00 TRUCKS/DAY				
PROCESS CODE 41.013		VOC	591.8000 LBS/WEEK	LAER	0.000
SCC CODE 4020599		CAS NO.	0.0000		
			LOW SOLVENT COATINGS		
COATING OF VEHICLE EXTERIORS WITH CLEAR COAT (K-3)	100.00 TRUCKS/DAY				
PROCESS CODE 41.013		VOC	3795.9000 LBS/WEEK	LAER	0.000
SCC CODE 40202599		CAS NO.	0.0000		
			LOW SOLVENT COATINGS		

REPORT DATE: 07/27/93

DETAILED SOURCE LISTING (Part A)
BLIS ID No. SC-0022

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DATE ENTERED/UPDATED: 03/31/93

VEHICLE REPAIR PAINT BOOTH

100.00 TRUCKS/DAY

PROCESS CODE 41.013
SCC CODE 40202599

71.0000 LBS/WEEK

LAER

0.0000

0.000

LOW SOLVENT COATINGS

NOTES: EMISSIONS ARE CALCULATED ON A SEVEN (7) DAY AVERAGE.

REPORT DATE: 07/27/93

DETAILED SOURCE LISTING (Part A)

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BLIS ID No. SC-0027

DATE ENTERED/UPDATED: 06/24/93

COMPANY NAME/SITE LOCATION: SOUTH CAROLINA ELECTRIC AND GAS COMPANY
COPE POWER STATION
COPE, SC

ORANGEBURG COUNTY

DETERMINATION IS FOR A NEW SOURCE.

PERMIT NO. 1860-0044

DETERMINATION MADE BY: SOUTH CAROLINA DEPT OF HEALTH & ENV CTRL
(AGENCY)

JOHN HIERS
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 07/15/92
ESTIMATED START-UP DATE-- 05/01/96
(803) 734-4750
(PHONE)

AIRS ID NO. 075 00044

EPA ID NO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT NAME	EMISSION LIMITS (PRIMARY) (STANDARDIZED)	CTRL EQUIPMENT/PROCESS MODIFICATION RANKING INFORMATION	BASIS EST % EFF
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BOILER, PULVERIZED COAL FIRED, UNIT NO. 1

385.00 MEGAWATTS

PROCESS CODE 11.002

SCC CODE

PM

CAS NO.

0.0200 LB/MMBTU

0.0200 LB/MMBTU

BACT-PSD

0.000

FABRIC FILTERS

2/ 1 CONTROL OPTIONS EXAMINED/OPTION SELECTED

PM10

CAS NO.

0.0180 LB/MMBTU

0.0180 LB/MMBTU

BACT-PSD

99.500

FABRIC FILTERS

2/ 1 CONTROL OPTIONS EXAMINED/OPTION SELECTED

SO2

CAS NO. 7446-09-5

0.2500 LB/MMBTU

0.2500 LB/MMBTU

BACT-PSD

93.000

SPRAY DRYER ABSORBER

7/ 4 CONTROL OPTIONS EXAMINED/OPTION SELECTED

BLIS ID No. SC-0027

DATE ENTERED/UPDATED: 06/24/93

NOX	0.3200 LB/MMBTU	BACT-PSD
CAS NO.	0.3200 LB/MMBTU	0.000
	LOW NOX BURNERS WITH OVERFIRE AIR	
	3/ 3 CONTROL OPTIONS EXAMINED/OPTION SELECTED	
CO	0.1500 LB/MMBTU	BACT-PSD
CAS NO. 630-08-0	0.1500 LB/MMBTU	0.000
	COMBUSTION EFFICIENCY	
	1/ 1 CONTROL OPTIONS EXAMINED/OPTION SELECTED	
VOC	0.0100 LB/MMBTU	BACT-PSD
CAS NO.	0.0100 LB/MMBTU	0.000
	COMBUSTION EFFICIENCY	
	1/ 1 CONTROL OPTIONS EXAMINED/OPTION SELECTED	
HG	0.0010 LB/MMBTU	BACT-PSD
CAS NO. 7439-97-6	0.0010 LB/MMBTU	0.000
	FABRIC FILTERS	
	1/ 1 CONTROL OPTIONS EXAMINED/OPTION SELECTED	
BE	0.0010 LB/MMBTU	BACT-PSD
CAS NO. 7440-41-7	0.0010 LB/MMBTU	0.000
	FABRIC FILTERS	
	1/ 1 CONTROL OPTIONS EXAMINED/OPTION SELECTED	
FLUORIDES	0.0100 LB/MMBTU	BACT-PSD
CAS NO. 16984-48-8	0.0100 LB/MMBTU	0.000
	FABRIC FILTERS AND FGD SYSTEM	
	1/ 1 CONTROL OPTIONS EXAMINED/OPTION SELECTED	
H2SO4	0.0110 LB/MMBTU	BACT-PSD
CAS NO. 7664-93-9	0.0110 LB/MMBTU	0.000
	SPRAY DRYER ABSORBER	
	7/ 4 CONTROL OPTIONS EXAMINED/OPTION SELECTED	

BLIS ID No. SC-0027

DATE ENTERED/UPDATED: 06/24/93

VE	20.0000 PERCENT OPACITY	BACT-PSD
CAS NO.	0.0000	0.000
	FABRIC FILTERS	
PM	0.0200 LB/MMBTU	BACT-PSD
CAS NO.	0.0200 LB/MMBTU	99.500
	FABRIC FILTERS	
	2/ 1 CONTROL OPTIONS EXAMINED/OPTION SELECTED	
PM10	0.0180 LB/MMBTU	BACT-PSD
CAS NO.	0.0180 LB/MMBTU	99.500
	FABRIC FILTERS	
	2/ 1 CONTROL OPTIONS EXAMINED/OPTION SELECTED	
SO2	0.1700 LB/MMBTU	BACT-PSD
CAS NO. 7446-09-5	0.1700 LB/MMBTU	93.000
	SPRAY DRYER ABSORBER	
	7/ 4 CONTROL OPTIONS EXAMINED/OPTION SELECTED	
NOX	0.3200 LB/MMBTU	BACT-PSD
CAS NO.	0.3200 LB/MMBTU	0.000
	LOW NOX BURNERS WITH OVERFIRE AIR	
	3/ 3 CONTROL OPTIONS EXAMINED/OPTION SELECTED	
CO	0.1500 LB/MMBTU	BACT-PSD
CAS NO. 630-08-0	0.1500 LB/MMBTU	0.000
	COMBUSTION EFFICIENCY	
	1/ 1 CONTROL OPTIONS EXAMINED/OPTION SELECTED	
VOC	0.0100 LB/MMBTU	BACT-PSD
CAS NO.	0.0100 LB/MMBTU	0.000
	COMBUSTION EFFICIENCY	
	1/ 1 CONTROL OPTIONS EXAMINED/OPTION SELECTED	

BOILER, PULVERIZED COAL FIRED, UNIT NO. 2

385.00 MEGA WATTS

PROCESS CODE 11.002

SCC CODE

BLIS ID No. SC-0027

DATE ENTERED/UPDATED: 06/24/93

HG		0.0010 LB/MMBTU	BACT-PSD
CAS NO. 7439-97-6		0.0010 LB/MMBTU	0.000
		FABRIC FILTERS	
		1/ 1 CONTROL OPTIONS EXAMINED/OPTION SELECTED	
BE		0.0010 LB/MMBTU	BACT-PSD
CAS NO. 7440-41-7		0.0010 LB/MMBTU	0.000
		FABRIC FILTERS	
		1/ 1 CONTROL OPTIONS EXAMINED/OPTION SELECTED	
FLUORIDES		0.0100 LB/MMBTU	BACT-PSD
CAS NO. 16984-48-8		0.0100 LB/MMBTU	0.000
		FABRIC FILTERS AND FGD SYSTEM	
		1/ 1 CONTROL OPTIONS EXAMINED/OPTION SELECTED	
H2SO4		0.0110 LB/MMBTU	BACT-PSD
CAS NO. 7664-93-9		0.0110 LB/MMBTU	0.000
		SPRAY DRYER ABSORBER	
		7/ 4 CONTROL OPTIONS EXAMINED/OPTION SELECTED	
VE		20.0000 PERCENT OPACITY	BACT-PSD
CAS NO.		0.0000	0.000
		FABRIC FILTERS	
		385.00 MEGAWATTS	
PROCESS CODE 11.002			
SCC CODE			
PM		0.0200 LB/MMBTU	BACT-PSD
CAS NO.		0.0200 LB/MMBTU	99.500
		FABRIC FILTERS	
		2/ 1 CONTROL OPTIONS EXAMINED/OPTION SELECTED	
PM10		0.0180 LB/MMBTU	BACT-PSD
CAS NO.		0.0180 LB/MMBTU	99.500
		FABRIC FILTERS	
		2/ 1 CONTROL OPTIONS EXAMINED/OPTION SELECTED	

BOILER, PULVERIZED COAL FIRED, UNIT NO. 3

385.00 MEGAWATTS

PROCESS CODE 11.002

SCC CODE

BLIS ID No. SC-0027

DATE ENTERED/UPDATED: 06/24/93

SO2	0.1700 LB/MMBTU	BACT-PSD
CAS NO. 7446-09-5	0.1700 LB/MMBTU	93.000
	SPRAY DRYER ABSORBER	
	7/ 4 CONTROL OPTIONS EXAMINED/OPTION SELECTED	
NOX	0.3200 LB/MMBTU	BACT-PSD
CAS NO.	0.3200 LB/MMBTU	0.000
	LOW NOX BURNERS WITH OVERFIRE AIR	
	3/ 3 CONTROL OPTIONS EXAMINED/OPTION SELECTED	
CO	0.1500 LB/MMBTU	BACT-PSD
CAS NO. 630-08-0	0.1500 LB/MMBTU	0.000
	COMBUSTION EFFICIENCY	
	1/ 1 CONTROL OPTIONS EXAMINED/OPTION SELECTED	
VOC	0.0100 LB/MMBTU	BACT-PSD
CAS NO.	0.0100 LB/MMBTU	0.000
	COMBUSTION EFFICIENCY	
	1/ 1 CONTROL OPTIONS EXAMINED/OPTION SELECTED	
HG	0.0010 LB/MMBTU	BACT-PSD
CAS NO. 7439-97-6	0.0010 LB/MMBTU	0.000
	FABRIC FILTERS	
	1/ 1 CONTROL OPTIONS EXAMINED/OPTION SELECTED	
BE	0.0010 LB/MMBTU	BACT-PSD
CAS NO. 7440-41-7	0.0010 LB/MMBTU	0.000
	FABRIC FILTERS	
	1/ 1 CONTROL OPTIONS EXAMINED/OPTION SELECTED	
FLUORIDES	0.0100 LB/MMBTU	BACT-PSD
CAS NO. 16984-48-8	0.0100 LB/MMBTU	0.000
	FABRIC FILTERS AND FGD SYSTEM	
	1/ 1 CONTROL OPTIONS EXAMINED/OPTION SELECTED	

BLIS ID No. SC-0027

DATE ENTERED/UPDATED: 06/24/93

H2SO4
CAS NO. 7664-93-9

0.0110 LB/MMBTU	BACT-PSD
0.0110 LB/MMBTU	0.000

SPRAY DRYER ABSORBER

7/ 4 CONTROL OPTIONS EXAMINED/OPTION SELECTED

VE
CAS NO.

20.0000	PERCENT OPACITY	BACT-PSD
0.0000		0.0000

FABRIC FILTERS

400.00 KILOWATTS

GENERATOR, NO 2 OIL - EMERGENCY

PROCESS CODE 15.002
SCC CODE

S02
CAS NO. 7446-09-5

1.2000 LB/HR	BACT-PSD
0.0000	0.0000

0.3% SULFUR CONTENT FUEL; <500 HOURS/YEA ★

NOX	CAS NO.
1	107-13-1
2	107-13-1
3	107-13-1
4	107-13-1
5	107-13-1
6	107-13-1
7	107-13-1
8	107-13-1
9	107-13-1
10	107-13-1
11	107-13-1
12	107-13-1
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93	107-13-1
94	107-13-1
95	107-13-1
96	107-13-1
97	107-13-1
98	107-13-1
99	107-13-1
100	107-13-1

13.1000 LB/HR	BACT-PSD
0.0000	0.000

CAS NO. 630-08-0

1.0000 LB/HR	BACT-PSD
0.0000	0.000

VE CAS NO.

20.0000	PERCENT OPACITY	BACT-PSD
0.0000		0.0000

0.00

BOILER, NO 2 OIL - AUXILIARY

PM
CAS NO.

2.7000 LB/HR	BACT-PSD
0.0000	0.000

LOW ASH CONTENT FUEL OIL

PROCESS CODE 11.002
SCC CODE

PM10
CAS NO.

2.7000 LB/HR	BACT-PSD
0.0000	0.000

LOW ASH CONTENT FUEL OIL

S02 CAS NO. 7446-09-5	58.2000 LB/HR 0.0000	BACT-PSD 0.000
NOX CAS NO.	32.4000 LB/HR 0.0000	BACT-PSD 0.000
CO CAS NO. 630-08-0	6.8000 LB/HR 0.0000	BACT-PSD 0.000
VE CAS NO.	20.0000 PERCENT OPACITY 0.0000	BACT-PSD 0.000
	LOW SULFUR CONTENT FUEL OIL 0.3%	
	LOW ASH CONTENT FUEL OIL	

NOTES: THIS SOURCE IS SUBJECT TO NEW SOURCE PERFORMANCE STANDARDS SUBPART DA. FUGITIVE PARTICULATE EMISSIONS FROM COAL, LIME, AND ASH HANDLING AND CONVEYING WILL BE CONTROLLED BY WET SUPPRESSION AND ENCLOSURES. FUGITIVE PARTICULATE EMISSION ARE NOT TO EXCEED 20% OPACITY. FUGITIVE PARTICULATE EMISSIONS FROM THE COAL PILE WILL BE CONTROLLED BY WET SUPPRESSION AND IS NOT TO EXCEED 20% OPACITY.
MAXIMUM SULFUR CONTENT OF COAL IS 2.2%, BY WEIGHT.

BLIS ID No. SC-0028

DATE ENTERED/UPDATED: 06/24/93

COMPANY NAME/SITE LOCATION: SANTEE COOPER (S.C. PUBLIC SERVICE AUTHORITY)
MONCKS CORNER, SC 29461-

BERKELEY COUNTY

DETERMINATION IS FOR A NEW SOURCE.

PERMIT NO. 0420-0030

DETERMINATION MADE BY: SOUTH CAROLINA DEPT OF HEALTH & ENV CTRL
(AGENCY)

JOHN HIERS
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 11/28/90
ESTIMATED START-UP DATE-- 12/01/95
(803) 734-4750
(PHONE)

AIRS ID NO. 015 00030

EPA ID NO. SCD987570462

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT NAME	EMISSION LIMITS (PRIMARY) (STANDARDIZED)	CTRL EQUIPMENT/PROCESS MODIFICATION RANKING INFORMATION	BASIS EST % EFF
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BOILER, PULVERIZED COAL FIRED, CROSS UNIT NO. 1 500.00 MEGAWATTS

PROCESS CODE 11.002
SCC CODE 1-01-002-12

PM
CAS NO.

0.2500 LB/MMBTU BACT-PSD
0.2500 LB/MMBTU 99.500

ELECTROSTATIC PRECIPITATOR

2/ 1 CONTROL OPTIONS EXAMINED/OPTION SELECTED

PM10
CAS NO.

0.0230 LB/MMBTU BACT-PSD
0.0230 LB/MMBTU 99.500

ELECTROSTATIC PRECIPITATOR

2/ 1 CONTROL OPTIONS EXAMINED/OPTION SELECTED

SO2
CAS NO. 7446-09-5

0.3400 LB/MMBTU BACT-PSD
0.3400 LB/MMBTU 95.000

PROMOTED LIMESTONE FGD

8/ 2 CONTROL OPTIONS EXAMINED/OPTION SELECTED

BLIS ID No. SC-0028

DATE ENTERED/UPDATED: 06/24/93

NOX	0.3900 LB/MMBTU	BACT-PSD
CAS NO.	0.3900 LB/MMBTU	0.000
	LOW NOX COMBUSTION WITH LOW NOX BURNERS	
	3/ 3 CONTROL OPTIONS EXAMINED/OPTION SELECTED	
CO	0.1000 LB/MMBTU	BACT-PSD
CAS NO. 630-08-0	0.1000 LB/MMBTU	0.000
	COMBUSTION EFFICIENCY	
	1/ 1 CONTROL OPTIONS EXAMINED/OPTION SELECTED	
VOC	0.0120 LB/MMBTU	BACT-PSD
CAS NO.	0.0120 LB/MMBTU	0.000
	COMBUSTION EFFICIENCY	
	1/ 1 CONTROL OPTIONS EXAMINED/OPTION SELECTED	
PB	0.0003 LB/MMBTU	BACT-PSD
CAS NO. 7439-92-1	0.0003 LB/MMBTU	75.000
	ESP AND FGD SYSTEM (LIMIT = 0.00033 LB/ *	
	1/ 1 CONTROL OPTIONS EXAMINED/OPTION SELECTED	
FLUORIDES	0.0100 LB/MMBTU	BACT-PSD
CAS NO. 16984-48-8	0.0100 LB/MMBTU	82.000
	FGD SYSTEM	
BE	0.0010 LB/MMBTU	BACT-PSD
CAS NO. 7440-41-7	0.0010 LB/MMBTU	99.000
	ESP AND FGD SYSTEM	
HG	0.0010 LB/MMBTU	BACT-PSD
CAS NO. 7439-97-6	0.0010 LB/MMBTU	54.000
	ESP AND FGD SYSTEM	
H2SO4	0.0400 LB/MMBTU	BACT-PSD
CAS NO. 7664-93-9	0.0400 LB/MMBTU	50.000
	FGD SYSTEM	

20.0000	PERCENT OPACITY	BACT-PSD
0.0000		0.000

VE
CAS NO.

NOTES: THIS UNIT IS SUBJECT TO NSPS SUBPART DA. UPTO 15% OF GAS STREAM IS ALLOWED TO BYPASS FGD SYSTEM TO BE USED TO REHEAT GAS STREAM PRIOR TO STACK.

OVERALL SO2 REDUCTION IS 81%.

FUGITIVE PARTICULATE EMISSIONS FROM COAL PILE AND ASH HANDLING OPERATIONS WILL BE CONTROLLED BY WET SUPPRESSION AND ENCLOSED CONVEYORS. A MAXIMUM OPACITY OF 20% HAS BEEN ESTABLISHED AS BACT.

REPORT DATE: 07/27/93

DETAILED SOURCE LISTING (Part A)

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BLIS ID No. SC-0029

DATE ENTERED/UPDATED: 03/31/93

COMPANY NAME/SITE LOCATION: SC ELECTRIC AND GAS COMPANY - HAGOOD STATION
CHARLESTON, SC

CHARLESTON COUNTY

DETERMINATION IS FOR A NEW SOURCE.

PERMIT NO. 0560-0029

DETERMINATION MADE BY: SOUTH CAROLINA DEPT OF HEALTH & ENV CTRL
(AGENCY)

JOHN HIERS
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 12/11/89
ESTIMATED START-UP DATE-- / /
(803) 734-4750
(PHONE)

AIRS ID NO. 019 00029

EPA ID NO. SCD000822171

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT NAME	EMISSION LIMITS (PRIMARY) (STANDARDIZED)	CTRL EQUIPMENT/PROCESS MODIFICATION RANKING INFORMATION	BASIS EST & EFF
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INTERNAL COMBUSTION TURBINE

110.00 MEGAWATTS

PROCESS CODE 15.004
SCC CODE 2-01-001-01

PM	45.0000 LBS/HR	BACT-PSD
CAS NO.	0.0000	0.000
	LOW ASH CONTENT FUELS	
SO2	630.0000 LBS/HR	BACT-PSD
CAS NO.	0.0000	0.000
	LOW SULFUR CONTENT FUELS	
NOX	308.0000 LBS/HR	BACT-PSD
CAS NO.	0.0000	0.000
	WATER INJECTION	
CO	23.0000 LBS/HR	BACT-PSD
CAS NO.	0.0000	0.000

VOC	10.0000 LBS/HR	BACT-PSD
CAS NO.	0.0000	0.000
VE	20.0000 PERCENT OPACITY	BACT-PSD
CAS NO.	0.0000	0.000

NOTES: THIS SOURCE IS SUBJECT TO NSPS SUBPART GG. THIS UNIT CAN BURN ONLY NATURAL GAS AND NO. 2 FUEL OIL (0.3% SULFUR). THIS UNIT CANNOT OPERATE MORE THAN 2750 HRS PER YEAR.

COMPANY NAME/SITE LOCATION:

MICHELIN TIRE CORPORATION

2420 TWO NOTCH ROAD

LEXINGTON, SC 29072-

LEXINGTON COUNTY

DETERMINATION IS FOR A NEW SOURCE.

PERMIT NO. 1560-0042

DETERMINATION MADE BY: SOUTH CAROLINA DEPT OF HEALTH & ENV CTRL

(AGENCY)

JOHN HIERS

(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 11/16/89

ESTIMATED START-UP DATE-- 05/31/90

(803) 734-4857

(PHONE)

AIRS ID NO. 063 00042

EPA ID NO. SCD987575495

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT NAME	EMISSION LIMITS (PRIMARY) (STANDARDIZED)		
			CTRL EQUIPMENT/PROCESS MODIFICATION	RANKING INFORMATION	BASIS EST % EFF

RUBBER TIRE MANUFACTURING FOUR LINES, NSPS	33500.00 LB/HR				
PROCESS CODE 99.015		VOC	2.0000 TON/DAY		LAER
SCC CODE 3-08-001-04		CAS NO.	0.0000		43.000
			TWO 50 MM BTU/HR NATURAL GAS BOILERS WIT	*	

NOTES: MANUFACTURE OF RADIAL TIRES. LAER WAS ACHIEVED BY USING MICHELIN-A,B,& C TECHNOLOGY(40 CFR 60 SUBPART BBB) PLUS DUAL LOCALIZED CAPTURE HOODS & FLEXIBLE 3" DUCTS TO TWIN BOILERS (50 MM BTU/HR GAS BOILERS) RESULTING IN AN OVERALL CONTROL EFFICIENCY OF 22% OF HEPTANE FUMES.

REPORT DATE: 07/27/93

DETAILED SOURCE LISTING (Part A)

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BLIS ID No. SC-0031

DATE ENTERED/UPDATED: 06/24/93

COMPANY NAME/SITE LOCATION: BMM MANUFACTURING CORPORATION

, SC

COUNTY

DETERMINATION IS FOR A MODIFIED SOURCE.

PERMIT NO. 2060-0230-CA THROUGH CQ

DETERMINATION MADE BY: SOUTH CAROLINA DEPT OF HEALTH & ENV CTRL

(AGENCY)

(AGENCY CONTACT PERSON)

(PHONE)

DATE OF PERMIT ISSUANCE-- 03/17/93

ESTIMATED START-UP DATE-- / /

AIRS ID NO.

EPA ID NO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT NAME	EMISSION LIMITS (PRIMARY) (STANDARDIZED)	CTRL EQUIPMENT/PROCESS MODIFICATION RANKING INFORMATION	BASIS EST % EFF
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TURBINE, NAT.GAS FIRED (3 -1 SPARE) AND 2 BOILERS 54.50 MM BTU/HR TURBINES

PM10	3.7900 TONS/YR	BACT-PSD
CAS NO.	0.0000	0.000
	EACH OF THE 2 BOILER-TURBINE USE A CONMO *	
VOC	77.8600 LBS/DAY	LAER
CAS NO.	0.0000	0.000
	EACH OF THE 2 BOILER-TURBINE USE A CONMO *	

BODY SHOP FOR VEHICLE SUB-ASSEMBLIES 25.00 CARS/HOUR

PROCESS CODE 99.012	PM10 (CR,NI,PB,MN)	BACT-PSD
SCC CODE 3-14-009-01	CAS NO.	95.000
	FILTERS AND SEVEN (7) ESP'S	
	4/ 1 CONTROL OPTIONS EXAMINED/OPTION SELECTED	

VOC 9.2400 LB/DAY LAER
CAS NO. 0.0000
SOLVENTS WILL BE DISPENSED FROM SEAL CON *

2.73 MM BTU/HR

PHOSPHATE PREPARATION AREA

PROCESS CODE 41.002
SCC CODE 4-02-016-02

PM10 1.4300 TONS/YR BACT-PSD
CAS NO. 0.0000 0.000

NOX 0.9900 TONS/YR BACT-PSD
CAS NO. 0.0000 0.000
NATURAL GAS AS THE ONLY FUEL FOR AIR SUP *

VOC 8.9000 LBS/DAY LAER
CAS NO. 0.0000 0.000

25.00 CARS/HOUR

PRIMECOAT OPERATION - E-COAT

PROCESS CODE 41.002
SCC CODE 4-02-016-22

VOC 0.2200 LB VOC/GAL ACS LAER, NSPS
CAS NO. 0.0000 95.000
THERMAL INCINERATION FOR E-COAT OVEN
6/ 1 CONTROL OPTIONS EXAMINED/OPTION SELECTED

PM10 0.0940 TONS/YR BACT-PSD
CAS NO. 0.0000 0.000

NOX 1.8780 TONS/YR BACT-PSD
CAS NO. 0.0000 0.000
LOW-NOX BURNERS
1/ 1 CONTROL OPTIONS EXAMINED/OPTION SELECTED

COATING, GUIDE COAT OPERATION

25.00 CARS/HOUR

PROCESS CODE 41.002
SCC CODE 4-02-016-23

VOC	0.5000 LB VOC/ GAL ACS	LAER, NSPS
CAS NO.	0.3100 LBVOC/GACS UNDERBODY	95.000
	THERMAL INCINERATION FOR UNDERBODY & PRI *	
	6/ 1 CONTROL OPTIONS EXAMINED/OPTION SELECTED	
NOX	14.2400 TONS/YEAR	BACT-PSD
CAS NO.	0.0000	0.000
	LOW NOX BURNERS	
	1/ 1 CONTROL OPTIONS EXAMINED/OPTION SELECTED	
PM10	14.4300 TONS/YR	BACT-PSD
CAS NO.	0.0000	98.000
	DRY FILTRATION AND VENTURI SCRUBBER	
	4/ 1 CONTROL OPTIONS EXAMINED/OPTION SELECTED	

TOPCOAT OPERATION

25.00 CARS/HOUR

PROCESS CODE 41.002
SCC CODE 4-02-016-25

VOC	6.2400 LB VOC/GAL ACS	LAER, NSPS
CAS NO.	0.0000	95.000
	THERMAL INCINERATION	
	1/ 1 CONTROL OPTIONS EXAMINED/OPTION SELECTED	
NOX	20.7300 TONS/YR	BACT-PSD
CAS NO.	0.0000	0.000
	LOW NOX BURNERS FOR THE OVENS	
	1/ 1 CONTROL OPTIONS EXAMINED/OPTION SELECTED	
PM10	19.3300 TONS/YR	BACT-PSD
CAS NO.	0.0000	99.500
	CARBON WHEEL FOR CLEARCOAT OPERATION; DR *	
	1/ 1 CONTROL OPTIONS EXAMINED/OPTION SELECTED	

REPORT DATE: 07/27/93

DETAILED SOURCE LISTING (Part A)
BLIS ID No. SC-0031

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DATE ENTERED/UPDATED: 06/24/93

TOPCOAT - MAJOR REPAIR BASE AND CLEAR COAT BOOTHS		25.00 CARS/HOUR		
PROCESS CODE 41.002 SCC CODE 4-02-016-20	VOC	6.2400 LB VOC/GAL ACS	LAER, NSPS	
	CAS NO.	0.0000	0.000	
	PM10	0.4500 TONS/YEAT	BACT-PSD	
	CAS NO.	0.0000	98.000	
VENTURI SCRUBBERS				
1/ 1 CONTROL OPTIONS EXAMINED/OPTION SELECTED				
	NOX	2.5400 TONS/YEAR	BACT-PSD	
	CAS NO.	0.0000	0.000	
NATURAL GAS AS THE ONLY FUEL				
PAINT MIXING ROOM		25.00 CARS/HOUR		
PROCESS CODE 41.002 SCC CODE 4-02-016-03	VOC	4.1040 LB/DAY	LAER	
	CAS NO.	0.0000	0.000	
NO VAPORS ARE RELEASE INTO THE ROOM				
1/ 1 CONTROL OPTIONS EXAMINED/OPTION SELECTED				
SLUDGE ROOM		25.00 CARS/HOUR		
PROCESS CODE 41.002 SCC CODE	VOC	107.5000 LBS/DAY	LAER	
	CAS NO.	0.0000	0.000	
SPOT REPAIR BOOTHS		25.00 CARS/HOUR		
PROCESS CODE 41.002 SCC CODE 4-02-016-20	VOC	13.7800 LBS/DAY	LAER	
	CAS NO.	0.0000	0.000	
	NOX	0.4340 TONS/YEAR	BACT-PSD	
	CAS NO.	0.0000	0.000	
NATURAL GAS FUEL ONLY				

CLEANING SOLVENT AREA AND FLUID FILL		PM10 CAS NO.	0.1300 TONS/YEAR 0.0000	BACT-PSD 98.000
25.00 CARS/HOUR			DRY FILTRATION SYSTEM 1/ 1 CONTROL OPTIONS EXAMINED/OPTION SELECTED	
PROCESS CODE 41.002 SCC CODE		VOC CAS NO.	479.9130 LBS/DAY 0.0000	LAER 0.000
STAGE II VAPOR RECOVERY FOR FUEL TANK FI *				
COATING, COSMOLINE WAX APPLICATION BOOTH				
25.00 CARS/HOUR				
PROCESS CODE 41.002 SCC CODE		VOC CAS NO.	2.0960 LBS/HOUR 0.0000	LAER 90.000
ROTARY CARBON ABSORPTION FOLLOWED BY REC *				
1/ 1 CONTROL OPTIONS EXAMINED/OPTION SELECTED				
NOX			1.1400 TONS/YEAR 0.0000	BACT-PSD 0.000
CAS NO.			LOW NOX BURNERS ON INCINERATOR AND ONLY *	
PAINT REPAIR BOOTH FOR IMPORTED CARS				
100000.00 CAR/YEAR				
PROCESS CODE 41.002 SCC CODE 4-02-016-20		VOC CAS NO.	0.4960 LB/HR 0.0000	LAER 90.000
ROTARY CARBON ABSORPTION FOLLOWED BY THE *				
1/ 1 CONTROL OPTIONS EXAMINED/OPTION SELECTED				
NOX			1.1600 TONS/YEAR 0.0000	BACT-PSD 0.000
CAS NO.			LOW NOX BURNERS ON INCINERATOR AND NATUR *	
1/ 1 CONTROL OPTIONS EXAMINED/OPTION SELECTED				

DYNAMOMETER TESTING SYSTEM AND PAINT POLISH		100000.00 CARS/YEAR	PM10 CAS NO.	3.3730 TONS/YR 0.0000	BACT-PSD 98.000
PROCESS CODE 41.002 SCC CODE				WET VENTURI SCRUBBER 1/ 1 CONTROL OPTIONS EXAMINED/OPTION SELECTED	
			VOC CAS NO.	1.0560 LB/DAY 0.0000	LAER 0.000
			NOX CAS NO.	0.1050 TON/YR 0.0000	BACT-PSD 0.000
			PM10 CAS NO.	0.0219 TON/YR 0.0000	BACT-PSD 0.000
SANDING/POLISHING STATION IN PAINT SHOP		25.00 CARS/HOUR			
PROCESS CODE 41.002 SCC CODE			PM10 CAS NO.	0.7490 TONS/YR 0.0000	BACT-PSD 0.000
DECOSMOLINE SYSTEM W/ A HOHMEIER UNIT		100000.00 CARS/YEAR			
PROCESS CODE 41.002 SCC CODE			VOC CAS NO.	3.4100 LBS/HR 0.0000	LAER 0.000
				HOHMEIER UNIT BURNS RECOVERED KEROSENE A *	
			PM10 CAS NO.	0.4860 TON/YR 0.0000	BACT-PSD 0.000

MATERIAL STORAGE, TANK FARM				
PROCESS CODE 42.009	NOX CAS NO.	0.00	4.8700 TON/YEAR	BACT-PSD
SCC CODE 4-07-228-04			0.0000	0.000
STAGE I VAPOR CONTROL SYSTEM EQUIPPED ON *				
PROCESS CODE 42.009	VOC CAS NO.	0.00	3.7970 TONS/YR	LAER
SCC CODE 4-07-228-04			0.0000	0.000
STAGE I VAPOR CONTROL SYSTEM EQUIPPED ON *				

NOTES:

COMPANY NAME/SITE LOCATION: REXHAM INDUSTRIES, INC., DECORATIVE DIVISION

P.O. BOX 800

LANCASTER, SC 29720-

CANCASTER COUNTY

DETERMINATION IS FOR A MODIFIED SOURCE.

PERMIT NO. 1460-0005

DETERMINATION MADE BY: SOUTH CAROLINA DEPT OF HEALTH & ENV CTRL

(AGENCY)

LYNDA FLETCHER

(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 03/19/93

ESTIMATED START-UP DATE-- / /

(803) 734-4541

(PHONE)

AIRS ID NO. 057 00005

EPA ID NO. SCD000608331

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT NAME	EMISSION LIMITS (PRIMARY) (STANDARDIZED)		
			CTRL EQUIPMENT/PROCESS MODIFICATION	RANKING INFORMATION	BASIS EST % EFF

COATING, SURFACE, CAST FILM LINES, PLASTIC PARTS 3116633600.00 SQU FT OF COATED PRO

PROCESS CODE 41.016

SCC CODE 4-02-022-01

VOC

CAS NO.

245.0000 TONS/YEAR

0.0000

THERMAL OXIDIZER

LAER

95.000

NOTES:

BLIS ID No. SC-0033

DATE ENTERED/UPDATED: 06/24/93

COMPANY NAME/SITE LOCATION: ALLIED SIGNAL, INC. (WESTINGHOUSE FORTIN)
500 WESTINGHOUSE DRIVE
PENDLETON, SC 29670--

ANDERSON COUNTY

DETERMINATION IS FOR A NEW SOURCE.

PERMIT NO. 0200-0058-CD THROUGH CG

DETERMINATION MADE BY: SOUTH CAROLINA DEPT OF HEALTH & ENV CTRL
(AGENCY)

ROBERT J. BROWN
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 03/02/92
ESTIMATED START-UP DATE-- / /
(803) 734-4528
(PHONE)

AIRS ID NO.

EPA ID NO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT NAME	EMISSION LIMITS (PRIMARY) (STANDARDIZED)	CTRL EQUIPMENT/PROCESS MODIFICATION RANKING INFORMATION	BASIS EST % EFF
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EPOXY COATER/OVEN "TREATER #5"

1400.00 LB/HR

PROCESS CODE 41.017
SCC CODE 4-02-011-01

VOC
CAS NO.

24.9000 LB/HR
0.0000
THERMAL OXIDIZER

LAER
95.000

EPOXY COATER/OVEN "TREATER #6"

1050.00 LB/HR

PROCESS CODE 41.017
SCC CODE 4-02-011-01

VOC
CAS NO.

18.5000 LB/HR
0.0000
THERMAL OXIDIZER

LAER
95.000

EPOXY COATER/OVEN "TREATER #7"

1050.00 LB/HR

PROCESS CODE 41.017
SCC CODE 4-02-011-01

VOC
CAS NO.

18.5000 LB/HR
0.0000
THERMAL OXIDIZER

LAER
95.000

EPOXY MIXING ROOM	4840.00 LB COATING/HR				
PROCESS CODE 41.017		VOC		3.1000 LB/HR	LAER
SCC CODE 4-02-011-03		CAS NO.		0.0000	95.000
				THERMAL OXIDIZER 95% DESTR. & 85% CAPTUR *	
OXIDIZER, THERMAL & WASTE HEAT OIL HEATER	17.50 MM BTU/HR				
PROCESS CODE 41.017		VOC		65.6000 LB/HR	LAER
SCC CODE		CAS NO.		0.0000	95.000
				NSPS SUBPART DC	
				4/ 1 CONTROL OPTIONS EXAMINED/OPTION SELECTED	

NOTES: NEW TREATERS (EPOXY COATER/OVEN) #5, 6, & 7 ALONG WITH EXISTING MIX ROOM WILL EXHAUST TO NEW THERMAL OXIDIZER/WASTE HEAT OIL HEATER. THIS OIL HEATER WILL CONTROL VOC EMISSIONS AS WELL AS PROVIDE PROCESS HEAT. THE THREE EPOXY COATERS USE TOTAL ENCLOSURE FOR CAPTURE SYSTEM. PERCENT SOLIDS IN COATINGS MUST BE 55.0 OR HIGHER. THERMAL OXIDIZER/WASTE HEAT OIL HEATER (NSPS SUBPART DC) MUST PROVIDE 95% OR HIGHER DESTRUCTION EFFICIENCY. EXISTING MIXROOM MUST HAVE 85% COLLECTION EFFICIENCY.

REPORT DATE: 07/27/93

DETAILED SOURCE LISTING (Part A)

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BLIS ID No. SD-0001

DATE ENTERED/UPDATED: 06/08/93

COMPANY NAME/SITE LOCATION: NORTHERN STATES POWER COMPANY
PATHFINDER POWER PLANT
NEAR SIOUX FALLS, SOUTH DAKOTA, SD

MINNEHAHA COUNTY COUNTY

DETERMINATION IS FOR A MODIFIED SOURCE.

PERMIT NO. NONE

DETERMINATION MADE BY: EPA REGION VIII
(AGENCY)

CINDY REYNOLDS
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 09/02/92
ESTIMATED START-UP DATE-- / /
(303) 293-1755
(PHONE)

AIRS ID NO. 20400301

EPA ID NO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT NAME	EMISSION LIMITS (PRIMARY) (STANDARDIZED)	
			CTRL EQUIPMENT/PROCESS MODIFICATION RANKING INFORMATION	BASIS EST & EFF

TURBINE, SIMPLE CYCLE, 4 EACH

129.00 MM

PROCESS CODE 15.007
SCC CODE 20400301

NOX
CAS NO. 10102-44-0

24.0000 PPM @ 15% O2 GAS BACT-PSD
24.0000 PPM @ 15% O2 0.000
WATER INJECTION FOR GAS & DISTILLATION
4/ 3 CONTROL OPTIONS EXAMINED/OPTION SELECTED

SO2
CAS NO. 7446-09-5

14.0000 PPM @ 15% O2 GAS BACT-PSD
14.0000 PPM @ 15% O2 0.000
NATURAL GAS AND 0.37% SULFUR IN OIL
3/ 2 CONTROL OPTIONS EXAMINED/OPTION SELECTED

VOC
CAS NO.

6.0000 PPM FOR GAS BACT-PSD
0.0000 0.000
GOOD COMBUSTION TECHNIQUES
2/ 2 CONTROL OPTIONS EXAMINED/OPTION SELECTED

CO	50.0000 PPM FOR GAS	BACT-PSD
CAS NO. 630-08-0	0.0000	0.000
GOOD COMBUSTION TECHNIQUES		
2/ 2 CONTROL OPTIONS EXAMINED/OPTION SELECTED		
PM	12.0000 LB/H FOR GAS	BACT-PSD
CAS NO.	0.0000	0.000
NATURAL GAS AS PRIMARY FUEL AND		
4/ 3 CONTROL OPTIONS EXAMINED/OPTION SELECTED		

NOTES: NO PSD PROGRAM CURRENTLY EXISTS IN SD, SO NO PERMIT NUMBERS ARE ASSIGNED
NO COST WAS INCLUDED IN THE SUBMITTALS TO EPA REGION VIII

COMPANY NAME/SITE LOCATION: SCREEN ART, A DIVISION OF ENGRAPH INC.
1801 MID-PARK DRIVE
KNOXVILLE, TN 37921-

COUNTY

DETERMINATION IS FOR A MODIFIED SOURCE.
PERMIT NO. C-0541-01

DETERMINATION MADE BY: KNOX CO DEPT OF AIR POLL CONTROL, TN
(AGENCY)

DATE OF PERMIT ISSUANCE-- 08/09/90
ESTIMATED START-UP DATE-- 08/01/91
(615) 521-2488
(PHONE)

BILL GRANTHAM
(AGENCY CONTACT PERSON)

AIRS ID NO. 47-093-0542

EPA ID NO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT NAME	EMISSION LIMITS (PRIMARY) (STANDARDIZED)		BASIS EST % EFF
			CTRL EQUIPMENT/PROCESS MODIFICATION	RANKING INFORMATION	
COATING PROCESSES	0.00				
PROCESS CODE 41.016		VOC	0.0000		LAER
SCC CODE		CAS NO.	0.0000		96.900
			CATALYTIC INCINERATOR		

NOTES: GAS DRYER REFERS TO DRYING OVEN USING NATURAL GAS AS HEAT SOURCE. FIRM CONSTRUCTED NEW BUILDING TO MEET CRITERIA OF A PERMANENT TOTAL ENCLOSURE (PET) PICK-UP DUCTS LOCATED NEAR THE FLOOR OF EACH PRESS, PICK-UP DUCTS FOR LEXAN WASH OVEN (TABLES) LOCATED AT THE BACK OF EACH TABLE, PICK-UP DUCTS FOR SCREEN WASH AREA (SEPARATELY ENCLOSED ROOM) LOCATED IN OPPOSITE WALLS EMISSIONS FROM DRYERS VENTED TO THE CONTROL DEVICE. FIRST CONSTRUCT. PERMIT ISSUED 08/09/90. TESTED FOR CAPTURE AND DESTRUCTION EFFICIENCY 03/18/92. USEPA METHOD 25A USED TO MEASURE VOC CONCENTRATION. USEPA PROCEDURE T USED FOR PET.

TOTAL PROCESSES INCLUDE SILK SCREEN PRINTING ON VINYL AND POLYCARBONATE.

REPORT DATE: 07/27/93

DETAILED SOURCE LISTING (Part A)
BLIS ID No. VA-0187

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DATE ENTERED/UPDATED: 02/10/93

COMPANY NAME/SITE LOCATION: AMOCO FOAM PRODUCTS COMPANY
P. O. BOX 3178
WINCHESTER, VA 22601

FREDRICK COUNTY

DETERMINATION IS FOR A MODIFIED SOURCE.

PERMIT NO.

DETERMINATION MADE BY: VIRGINIA DEPT OF AIR POLLUTION CONTROL
(AGENCY)

WILLIAM MILLWARD
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 12/16/91
ESTIMATED START-UP DATE-- 09/01/88
(703) 644-0311
(PHONE)

AIRS ID NO.

EPA ID NO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT NAME	EMISSION LIMITS (PRIMARY) (STANDARDIZED)		
			CTRL EQUIPMENT/PROCESS MODIFICATION RANKING INFORMATION	BASIS EST % EFF	

EXPANDED POLYSTYRENE PRODUCTS MANUFACTURING PLANT 0.00

PROCESS CODE 63.031
SCC CODE

VOC
CAS NO.

1.1500 TPD
0.0000

BACT-PSD
0.000

LOW VOC BLOWING AGENTS

4/ 1 CONTROL OPTIONS EXAMINED/OPTION SELECTED

- NOTES: 1. PSD PERMIT TO MODIFY & OPERATE AN EXPANDED POLYSTYRENE MANUFACTURING PLANT W/2 FOOD SERVICE PRODUCT LINES, 1 AMOCOFOAM PRODUCT LINE & 1 AMOCOR PRODUCT LINE. DAILY EMISSION LIMITS DECREASE 25% EACH YR. UNTIL 1994; OVERALL ANNUAL EMISSIONS DECREASE 28% BY 1994.
2. SOURCE TO CONTINUE R&D FOR ALTERNATE BLOWING AGENTS; OTHERWISE BACK-UP INCINERATION CONTROL SYSTEM WILL BE REQUIRED.
3. DAILY MATERIAL BALANCE RECORDS TO BE MAINTAINED ON THE PREMISES W/QUARTERLY REPORTS SUBMITTED ON AMOUNTS & TYPES OF BLOWING AGENTS CONSUMED & EMITTED; ALSO PROGRESS REPORTS ON BLOWING AGENT SUBSTITUTION SCHEDULE.
4. COUNTY #1220 PLANT# 0096. PLANT MADE MODIFICATIONS WITHOUT OBTAINING PSD

REPORT DATE: 07/27/93

DETAILED SOURCE LISTING (Part A)

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BLIS ID No. VA-0189

DATE ENTERED/UPDATED: 03/23/93

COMPANY NAME/SITE LOCATION: GORDONSVILLE ENERGY L.P.

12500 FAIR LAKES CIR, STE 420

FAIRFAX, VA 22033-

FAIRFAX COUNTY

DETERMINATION IS FOR A NEW SOURCE.

PERMIT NO. REGISTRATION # 40808

DETERMINATION MADE BY: FAIRFAX COUNTY AIR POLLUTION CONTROL, VA

(AGENCY)

DAHLGREN VAUGHAN

(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 09/25/92

ESTIMATED START-UP DATE-- / /

(703) 899-4600

(PHONE)

AIRS ID NO.

EPA ID NO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT NAME	EMISSION LIMITS (PRIMARY) (STANDARDIZED)	
			CTRL EQUIPMENT/PROCESS MODIFICATION RANKING INFORMATION	BASIS EST % EFF

TURBINE FACILITY, GAS

1331.13 X10(7) SCF/Y NAT GAS

PROCESS CODE 15.007

SCC CODE 20100201

TSP/PM10

CAS NO.

50.6000 TOTAL TPY

0.0053 LB/MMBTU

CLEAN BURNING FUEL

1/ 1 CONTROL OPTIONS EXAMINED/OPTION SELECTED

BACT-PSD

0.000

SO2

CAS NO. 7446-09-5

249.9000 TOTAL TPY

0.0000

LOW SULFUR FUEL

BACT-PSD

0.000

NOX

CAS NO.

245.0000 TOTAL TPY

0.0330 LB/MMBTU

SELECTIVE CATALYTIC REDUCTION (SCR) W/ W *

2/ 1 CONTROL OPTIONS EXAMINED/OPTION SELECTED

BACT-PSD

80.000

CO	249.9000 TOTAL TPY	BACT-PSD
CAS NO. 630-08-0	0.0377 LB/MMBTU	0.000
	GOOD COMBUSTION PRACTICES	
	1/ 1 CONTROL OPTIONS EXAMINED/OPTION SELECTED	
VOC	97.1000 TOTAL TPY	BACT-PSD
CAS NO.	0.0146 LB/MMBTU	0.000
	GOOD COMBUSTION PRACTICES	
	1/ 1 CONTROL OPTIONS EXAMINED/OPTION SELECTED	
NH3	29.0000 LBS/HR/UNIT	NSPS
CAS NO. 7664-41-7	0.0000	0.000
	PROPER SCR OPERATION TO MINIMIZE NH3 SLI *	
FORMALDEHYDE	6.6000 LBS/HR/UNIT	NSPS
CAS NO. 50-00-0	0.0000	0.000
	GOOD COMBUSTION PRACTICES	
BENZENE	0.8800 LB/HR/UNIT	NSPS
CAS NO. 71-43-2	0.0000	0.000
	GOOD COMBUSTION PRACTICES	
CU	0.1900 LB/HR/UNIT	NSPS
CAS NO. 7440-50-8	0.0000	0.000
	GOOD COMBUSTION PRACTICES	
NI	0.0700 LB/HR/UNIT	NSPS
CAS NO. 7440-02-0	0.0000	0.000
	GOOD COMBUSTION PRACTICES	
V	0.0300 LB/HR/UNIT	NSPS
CAS NO. 7440-62-6	0.0000	0.000
	GOOD COMBUSTION PRACTICES	

TURBINE FACILITY, GAS

7.44 X10(7) GPY FUEL OIL

PROCESS CODE 15.007
SCC CODE 20100101

TSP/PM10 CAS NO.	50.6000 TOTAL TPY 0.0096 LB/MMBTU CLEANING BURNING FUEL 1/ 1 CONTROL OPTIONS EXAMINED/OPTION SELECTED	BACT-PSD 0.000
S02 CAS NO. 7446-09-5	249.9000 TOTAL TPY 0.0500 LB/MMBTU 0.2 WT LOW SULFUR FUEL 1/ 1 CONTROL OPTIONS EXAMINED/OPTION SELECTED	BACT-PSD 0.000
NOX CAS NO.	245.0000 TOTAL TPY 0.0485 LB/MMBTU SELECTIVE CATALYTIC REDUCTION (SCR) 2/ 1 CONTROL OPTIONS EXAMINED/OPTION SELECTED	BACT-PSD 80.000
CO CAS NO. 630-08-0	249.9000 TOTAL TPY 0.0500 LB/MMBTU GOOD COMBUSTION PRACTICES 1/ 1 CONTROL OPTIONS EXAMINED/OPTION SELECTED	BACT-PSD 0.000
VOC CAS NO.	97.1000 TOTAL TPY 0.1500 LB/MMBTU GOOD COMBUSTION PRACTICES 1/ 1 CONTROL OPTIONS EXAMINED/OPTION SELECTED	BACT-PSD 0.000
PB CAS NO. 7439-92-1	49.0000 LBS/YR 0.0000 LOW LEAD FUEL 1/ 1 CONTROL OPTIONS EXAMINED/OPTION SELECTED	BACT-PSD 60.000
NH3 CAS NO. 7664-41-7	29.0000 LBS/HR/UNIT 0.0000 PROPER SCR OPERATION TO MINIMIZE NH3 SLI *	NSPS 0.000

BLIS ID No. VA-0189

DATE ENTERED/UPDATED: 03/23/93

FORMALDEHYDE CAS NO. 50-00-0	6.6000 LBS/HR/UNIT	NSPS	0.0000
	0.0000		
	GOOD COMBUSTION PRACTICES		
BENZENE CAS NO. 71-43-2	0.8800 LB/HR/UNIT	NSPS	0.0000
	0.0000		
	GOOD COMBUSTION PRACTICES		
CU CAS NO. 7440-50-8	0.1900 LB/HR/UNIT	NSPS	0.0000
	0.0000		
	GOOD COMBUSTION PRACTICES		
NI CAS NO. 7440-02-0	0.0700 LB/HR/UNIT	NSPS	0.0000
	0.0000		
	GOOD COMBUSTION PRACTICES		
V CAS NO. 7440-62-6	0.0300 LB/HR/UNIT	NSPS	0.0000
	0.0000		
	GOOD COMBUSTION PRACTICES		
1.51 X10(9) BTU/HR N GAS			
PROCESS CODE 15.007 SCC CODE 20100201	TSP/PM10	BACT-PSD	
	CAS NO.		0.0000
	CLEAN BURNING FUEL		
	1/ 1 CONTROL OPTIONS EXAMINED/OPTION SELECTED		
SO2 CAS NO. 7446-09-5	0.5000 LB/HR/UNIT	BACT-PSD	
	0.0003 LB/MMBTU		0.0000
	LOW SULFUR FUEL		
	1/ 1 CONTROL OPTIONS EXAMINED/OPTION SELECTED		
NOX CAS NO.	9.0000 PPM DV/UNIT @ 15% O2	BACT-PSD	
	0.0330 LB/MMBTU		80.0000
	SCR WITH WATER INJECTION		
	2/ 1 CONTROL OPTIONS EXAMINED/OPTION SELECTED		

BLIS ID No. VA-0189

DATE ENTERED/UPDATED: 03/23/93

CO		57.0000 LBS/HR/UNIT	BACT-PSD
CAS NO. 630-08-0		0.0377 LB/MMBTU	0.000
GOOD COMBUSTION PRACTICES			
1/ 1 CONTROL OPTIONS EXAMINED/OPTION SELECTED			
VOC			
CAS NO.	22.0000 LBS/HR/UNIT	BACT-PSD	
	0.0146 LB/MMBTU	0.000	
GOOD COMBUSTION PRACTICES			
1/ 1 CONTROL OPTIONS EXAMINED/OPTION SELECTED			
TURBINES (2) [EACH WITH A SF]			
1.36 X10(9) BTU/H #2 OIL			
PROCESS CODE 15.007			
SCC CODE 20100101			
TSP/PM10		13.0000 LBS/HR/UNIT	BACT-PSD
CAS NO.		0.0096 LB/MMBTU	0.000
CLEAN BURNING FUEL			
1/ 1 CONTROL OPTIONS EXAMINED/OPTION SELECTED			
SO2		68.0000 LBS/HR/UNIT	BACT-PSD
CAS NO. 7446-09-5		0.0500 LB/MMBTU	0.000
0.2 WT LOW SULFUR FUEL			
1/ 1 CONTROL OPTIONS EXAMINED/OPTION SELECTED			
NOX		66.0000 LBS/HR/UNIT	BACT-PSD
CAS NO.		0.0485 LB/MMBTU	80.000
WATER INJECTION AND SCR			
2/ 1 CONTROL OPTIONS EXAMINED/OPTION SELECTED			
CO		68.0000 LBS/HR/UNIT	BACT-PSD
CAS NO. 630-08-0		0.0500 LB/MMBTU	0.000
GOOD COMBUSTION PRACTICES			
1/ 1 CONTROL OPTIONS EXAMINED/OPTION SELECTED			
VOC		21.0000 LBS/HR/UNIT	BACT-PSD
CAS NO.		0.1500 LB/MMBTU	0.000
GOOD COMBUSTION PRACTICES			
1/ 1 CONTROL OPTIONS EXAMINED/OPTION SELECTED			

PB
CAS NO. 7439-92-1
60.00 X10(-3) LBS/HR/UNIT
0.0000
BACT-PSD
60.000
LOW LEAD FUEL
1/ 1 CONTROL OPTIONS EXAMINED/OPTION SELECTED

60.00 X10(6) BTU/H N. GAS

BOILER, AUXILIARY

PROCESS CODE 11.004
SCC CODE 10100702

TSP/PM10
CAS NO.
0.2000 LB/HR/UNIT
0.0033 LB/MMBTU
BACT-PSD
0.000
CLEAN BURNING FUEL
1/ 1 CONTROL OPTIONS EXAMINED/OPTION SELECTED

SO2
CAS NO. 7446-09-5

0.0000
0.0000
BACT-PSD
0.000
LOW SULFUR FUEL
1/ 1 CONTROL OPTIONS EXAMINED/OPTION SELECTED

NOX
CAS NO.

6.7000 LBS/HR
0.1120 LB/MMBTU
BACT-PSD
0.000
LOW NOX BURNER
3/ 2 CONTROL OPTIONS EXAMINED/OPTION SELECTED

CO
CAS NO. 630-08-0

5.0000 LBS/HR
0.0830 LB/MMBTU
BACT-PSD
0.000
GOOD COMBUSTION PRACTICES

VOC
CAS NO.

1.4000 LBS/HR
0.0230 LB/MMBTU
BACT-PSD
0.000
GOOD COMBUSTION PRACTICES
1/ 1 CONTROL OPTIONS EXAMINED/OPTION SELECTED

60.00 X10(6) BTU/H #2 OIL

BOILER, AUXILIARY

PROCESS CODE 11.004
SCC CODE 10100501

TSP/PM10
CAS NO.
0.6000 LBS/HR/UNIT
0.0100 LB/MMBTU
BACT-PSD
0.000
USE OF CLEAN BURNING FUEL
1/ 1 CONTROL OPTIONS EXAMINED/OPTION SELECTED

S02	4.0000 LBS/HR	BACT-PSD
CAS NO. 7446-09-5	0.0600 LB/MMBTU	0.000
	USE OF 0.2 WT LOW SULFUR FUEL	
	1/ 1 CONTROL OPTIONS EXAMINED/OPTION SELECTED	
NOX	10.0000 LBS/HR	BACT-PSD
CAS NO.	0.1670 LB/MMBTU	0.000
	LOW NOX BURNER	
	3/ 2 CONTROL OPTIONS EXAMINED/OPTION SELECTED	
CO	5.0000 LBS/HR	BACT-PSD
CAS NO. 630-08-0	0.0830 LB/MMBTU	0.000
	GOOD COMBUSTION PRACTICES	
	1/ 1 CONTROL OPTIONS EXAMINED/OPTION SELECTED	
VOC	2.0000 LBS/HR	BACT-PSD
CAS NO.	0.0300 LB/MMBTU	0.000
	GOOD COMBUSTION PRACTICES	
P8	3.0000 X10(-4) LBS/HR	BACT-PSD
CAS NO. 7439-92-1	0.0500 LB/MMBTU	75.000
	USE OF LOW LEAD FUEL	

- NOTES: 1. GAS TURBINE FACILITY CONSISTS OF TWO TURBINES, EACH WITH A HEAT RECOVERY STEAM GENERATOR AND A SUPPLEMENTARY FIRED (SF) DUCT BURNER. THIS SOURCE IS A SYNTHETIC MINOR STATIONARY SOURCE WITH LIMITATIONS ON HOURS OF OPERATION AND LIMITATION ON HEAT INPUT TO DUCT BURNERS. THROUGH PERMIT CONDITION, AUXILIARY BOILER CAN NOT BE OPERATED AT THE SAME TIME A DUCT BURNER IS SUPPLEMENTARY FIRING FUEL. TURBINE AND SF HEAT INPUT IN DETERMINATION IS FOR AIR TEMPERATURE AT 0 DEGREE F.
2. ALTERNATIVE NOX EMISSION LIMIT FROM TURBINE AND SF (9 PPMDV/UNIT @ 15% O2) IS A 1 HR AVERAGE.
3. ALT. NH3 EMISSION LIMIT FOR FACILITY (NAT. GAS): 20 PPMDV @ 15% O2.

REPORT DATE: 07/27/93

DETAILED SOURCE LISTING (Part A)

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BLIS ID No. VA-0190

DATE ENTERED/UPDATED: 07/07/93

COMPANY NAME/SITE LOCATION: BEAR ISLAND PAPER COMPANY, L.P.
ON ROUTE 738, TWO MILES EAST 1
ASHLAND, VA 23005

HANOVER COUNTY

DETERMINATION IS FOR A MODIFIED SOURCE.

PERMIT NO. 50840

DETERMINATION MADE BY: VIRGINIA DEPT OF AIR POLLUTION CONTROL
(AGENCY)

(AGENCY CONTACT PERSON)

(PHONE)

DATE OF PERMIT ISSUANCE-- 10/30/92
ESTIMATED START-UP DATE-- / /

AIRS ID NO. 51-085-0042

EPA ID NO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT NAME	EMISSION LIMITS (PRIMARY) (STANDARDIZED)		BACT-PSD
			CTRL EQUIPMENT/PROCESS MODIFICATION RANKING INFORMATION	BASIS EST % EFF	

THERMO MECHANICAL LINES (4) - EXISTING

8.90 TPH/LINE DRY PULP

PROCESS CODE 30.004
SCC CODE 30701399

VOC
CAS NO.

25.7000 LBS/HR
0.0000
HEAT RECOVERY/CONDENSER

2/ 2 CONTROL OPTIONS EXAMINED/OPTION SELECTED

TERPENES
CAS NO.

19.8000 LBS/HR
0.0000
HEAT RECOVERY/CONDENSER

2/ 2 CONTROL OPTIONS EXAMINED/OPTION SELECTED

ETHANOL
CAS NO.

2.6000 LBS/HR
0.0000
HEAT RECOVERY/CONDENSER

2/ 2 CONTROL OPTIONS EXAMINED/OPTION SELECTED

BLIS ID No. VA-0190

DATE ENTERED/UPDATED: 07/07/93

THERMO MECHANICAL LINES (2) - NEW		8.90 TPH/LINE DRY PULP	
PROCESS CODE 30.004			
SCC CODE 30701399			
FATTY & RESIN ACIDS	2.0000 LBS/HR	OTHER	
CAS NO.	0.0000		55.000
HEAT RECOVERY/CONDENSER			
2/ 2 CONTROL OPTIONS EXAMINED/OPTION SELECTED			
FORMIC & ACETIC ACID	0.3000 LBS/HR	OTHER	
CAS NO.	0.0000		55.000
HEAT RECOVERY/CONDENSER			
2/ 2 CONTROL OPTIONS EXAMINED/OPTION SELECTED			
VOC			
CAS NO.	20.0000 LBS/HR	BACT-PSD	
	0.0000		65.000
HEAT RECOVERY/CONDENSER			
2/ 2 CONTROL OPTIONS EXAMINED/OPTION SELECTED			
TERPENES	15.4000 LBS/HR	NSPS	
CAS NO.	0.0000		65.000
HEAT RECOVERY/CONDENSER			
2/ 2 CONTROL OPTIONS EXAMINED/OPTION SELECTED			
ETHANOL	2.0000 LBS/HR	NSPS	
CAS NO.	0.0000		65.000
HEAT RECOVERY/CONDENSER			
2/ 2 CONTROL OPTIONS EXAMINED/OPTION SELECTED			
FATTY & RESIN ACIDS	1.6000 LBS/HR	NSPS	
CAS NO.	0.0000		65.000
HEAT RECOVERY/CONDENSER			
2/ 2 CONTROL OPTIONS EXAMINED/OPTION SELECTED			
FORMIC & ACETIC ACID	0.2000 LBS/HR	NSPS	
CAS NO.	0.0000		65.000
HEAT RECOVERY/CONDENSER			
2/ 2 CONTROL OPTIONS EXAMINED/OPTION SELECTED			

BLIS ID No. VA-0190

DATE ENTERED/UPDATED: 07/07/93

TURBINE, COMBUSTION GAS

474.00 X10(6) BTU/HR N. GAS

PROCESS CODE 15.007
SCC CODE 20200201TSP
CAS NO.5.3000 X10(-3) LB/MM BTU
0.0000 BACT-PSD
0.000

CLEAN BURN FUEL

2/ 2 CONTROL OPTIONS EXAMINED/OPTION SELECTED

PM10
CAS NO.5.3000 X10(-3) LB/MM BTU
0.0000 BACT-PSD
0.000

CLEAN BURN FUEL

2/ 2 CONTROL OPTIONS EXAMINED/OPTION SELECTED

SO2
CAS NO. 7446-09-53.2000 X10(-3) LB/MM BTU
0.0000 BACT-PSD
0.000

LOW SULFUR FUEL

1/ 1 CONTROL OPTIONS EXAMINED/OPTION SELECTED

NOX
CAS NO.9.0000 PPM
0.0000 BACT-PSD
74.500

SELECTIVE CATALYTIC REDUCTION (SCR)

1/ 1 CONTROL OPTIONS EXAMINED/OPTION SELECTED

CO
CAS NO. 630-08-011.0000 LBS/HR
0.0000 BACT-PSD
0.000

GOOD COMBUSTION

2/ 2 CONTROL OPTIONS EXAMINED/OPTION SELECTED

VOC
CAS NO.5.0000 LBS/HR
0.0000 BACT-PSD
0.000

GOOD COMBUSTION

1/ 1 CONTROL OPTIONS EXAMINED/OPTION SELECTED

TURBINE, COMBUSTION GAS

468.00 X10(6) BTU/HR #2 OIL

PROCESS CODE 15.007
SCC CODE 20200101TSP
CAS NO.3.6000 X10(-2) LBS/MM BTU
0.0000 BACT-PSD
0.000

CLEAN BURN FUEL

2/ 2 CONTROL OPTIONS EXAMINED/OPTION SELECTED

PM10 CAS NO.	3.6000 X10(-2) LB/MM BTU 0.0000	BACT-PSD 0.000
	CLEAN BURN FUEL	
	2/ 2 CONTROL OPTIONS EXAMINED/OPTION SELECTED	
S02 CAS NO. 7446-09-5	2.1000 X10(-1) LB/MM BTU 0.0000	BACT-PSD 0.000
	LOW SULFUR FUEL	
	1/ 1 CONTROL OPTIONS EXAMINED/OPTION SELECTED	
NOX CAS NO.	15.0000 PPM 0.0000	BACT-PSD 80.800
	SCR	
	1/ 1 CONTROL OPTIONS EXAMINED/OPTION SELECTED	
CO CAS NO. 630-08-0	11.0000 LBS/HR 0.0000	BACT-PSD 0.000
	GOOD COMBUSTION	
	2/ 2 CONTROL OPTIONS EXAMINED/OPTION SELECTED	
VOC CAS NO.	5.0000 LBS/HR 0.0000	BACT-PSD 0.000
	GOOD COMBUSTION	
	1/ 1 CONTROL OPTIONS EXAMINED/OPTION SELECTED	
TURBINE, COMBUSTION GAS (TOTAL) 0.00		
PROCESS CODE 15.007 SCC CODE	74.6000 TPY 0.0000	BACT-PSD 0.000
	CLEAN BURN FUEL	
	2/ 2 CONTROL OPTIONS EXAMINED/OPTION SELECTED	
PM10 CAS NO.	74.6000 TPY 0.0000	BACT-PSD 0.000
	CLEAN BURN FUEL	
	2/ 2 CONTROL OPTIONS EXAMINED/OPTION SELECTED	

BLIS ID No. VA-0190

DATE ENTERED/UPDATED: 07/07/93

S02	438.5000 TPY	BACT-PSD
CAS NO. 7446-09-5	0.0000	0.000
	LOW SULFUR FUEL	
	1/ 1 CONTROL OPTIONS EXAMINED/OPTION SELECTED	
NOX	69.7000 TPY	BACT-PSD
CAS NO.	0.0000	0.000
	SCR	
	1/ 1 CONTROL OPTIONS EXAMINED/OPTION SELECTED	
CO	48.2000 TPY	BACT-PSD
CAS NO. 630-08-0	0.0000	0.000
	GOOD COMBUSTION	
	2/ 2 CONTROL OPTIONS EXAMINED/OPTION SELECTED	
VOC	21.9000 TPY	BACT-PSD
CAS NO.	0.0000	0.000
	GOOD COMBUSTION	
	1/ 1 CONTROL OPTIONS EXAMINED/OPTION SELECTED	
129.00 X10(6) BTU/HR N. GAS		
BURNER, DUCT		
PROCESS CODE 11.004		
SCC CODE 10200601		
TSP	5.4000 X10(-3) LB/MM BTU	BACT-PSD
CAS NO.	0.0000	0.000
	CLEAN BURN FUEL	
	1/ 1 CONTROL OPTIONS EXAMINED/OPTION SELECTED	
PM10	5.4000 X10(-3) LB/MM BTU	BACT-PSD
CAS NO.	0.0000	0.000
	CLEAN BURN FUEL	
	1/ 1 CONTROL OPTIONS EXAMINED/OPTION SELECTED	
S02	3.1000 X10(-3) LB/MM BTU	BACT-OTHER
CAS NO. 7446-09-5	0.0000	0.000
	LOW SULFUR FUEL	
	1/ 1 CONTROL OPTIONS EXAMINED/OPTION SELECTED	

BLIS ID No. VA-0190

DATE ENTERED/UPDATED: 07/07/93

NOX		9.0000 PPM	BACT-PSD
CAS NO.		0.0000	74.500
SCR			
3/ 1 CONTROL OPTIONS EXAMINED/OPTION SELECTED			
CO		19.0000 LBS/HR	BACT-OTHER
CAS NO. 630-08-0		0.0000	0.000
GOOD COMBUSTION			
2/ 2 CONTROL OPTIONS EXAMINED/OPTION SELECTED			
VOC		10.0000 LBS/HR	BACT-PSD
CAS NO.		0.0000	0.000
GOOD COMBUSTION			
1/ 1 CONTROL OPTIONS EXAMINED/OPTION SELECTED			
136.00 X10(6) BTU/HR #2 OIL			
BURNER, DUCT			
PROCESS CODE 11.004			
SCC CODE 10200501			
TSP		3.7000 X10(-2) LB/MM BTU	BACT-PSD
CAS NO.		0.0000	0.000
CLEAN BURN FUEL			
1/ 1 CONTROL OPTIONS EXAMINED/OPTION SELECTED			
PM10		3.7000 X10(-3)	BACT-PSD
CAS NO.		0.0000	0.000
CLEAN BURN FUEL			
1/ 1 CONTROL OPTIONS EXAMINED/OPTION SELECTED			
SO2		2.1000 X10(-1) LB/MM BTU	BACT-PSD
CAS NO. 7446-09-5		0.0000	0.000
LOW SULFUR FUEL			
1/ 1 CONTROL OPTIONS EXAMINED/OPTION SELECTED			
NOX		15.0000 PPM	BACT-PSD
CAS NO.		0.0000	80.800
SCR			
4/ 1 CONTROL OPTIONS EXAMINED/OPTION SELECTED			

CO		18.0000 LBS/HR	BACT-PSD
CAS NO. 630-08-0		0.0000	0.000
GOOD COMBUSTION			
2/ 2 CONTROL OPTIONS EXAMINED/OPTION SELECTED			
VOC			
CAS NO.		9.0000 LBS/HR	BACT-PSD
		0.0000	0.000
GOOD COMBUSTION			
1/ 1 CONTROL OPTIONS EXAMINED/OPTION SELECTED			
129.00 X10(6) BTU/HR			
BURNER, DUCT (TOTAL)			
PROCESS CODE 11.004			
SCC CODE 10200601			
TSP		21.9000 TPY	BACT-PSD
CAS NO.		0.0000	0.000
CLEAN BURN FUEL			
1/ 1 CONTROL OPTIONS EXAMINED/OPTION SELECTED			
PM10		21.9000 TPY	BACT-PSD
CAS NO.		0.0000	0.000
CLEAN BURN FUEL			
1/ 1 CONTROL OPTIONS EXAMINED/OPTION SELECTED			
SO2		125.2000 TPY	BACT-PSD
CAS NO. 7446-09-5		0.0000	0.000
LOW SULFUR FUEL			
1/ 1 CONTROL OPTIONS EXAMINED/OPTION SELECTED			
NOX		20.4000 TPY	BACT-PSD
CAS NO.		0.0000	0.000
SCR			
4/ 1 CONTROL OPTIONS EXAMINED/OPTION SELECTED			
CO		83.1000 TPY	BACT-PSD
CAS NO. 630-08-0		0.0000	0.000
GOOD COMBUSTION			
2/ 2 CONTROL OPTIONS EXAMINED/OPTION SELECTED			

BLIS ID No. VA-0190

DATE ENTERED/UPDATED: 07/07/93

TURBINE, COMBUSTION GAS & DUCT BURNER (TOTAL)		474.00 X10(6) BTU/HR		
PROCESS CODE 15.999				
SCC CODE				
GOOD COMBUSTION				
1/ 1 CONTROL OPTIONS EXAMINED/OPTION SELECTED				
VOC	43.7000 TPY	BACT-PSD		
CAS NO.	0.0000	0.000		
NH3	15.5000 LBS/HR	NSPS		
CAS NO. 7664-41-7	0.0000	0.000		
BZ	0.6000 LB/HR	NSPS		
CAS NO. 71-43-2	0.0000	0.000		
FORMALDEHYDE	0.2000 LB/HR	NSPS		
CAS NO. 50-00-0	0.0000	0.000		
AS	0.0030 LB/HR	NSPS		
CAS NO. 7440-38-2	0.0000	0.000		
BE	0.0020 LB/HR	NSPS		
CAS NO. 7440-41-7	0.0000	0.000		
CD	0.0100 LB/HR	NSPS		
CAS NO. 7440-43-9	0.0000	0.000		
CR	0.0300 LB/HR	NSPS		
CAS NO. 7440-47-3	0.0000	0.000		

BLIS ID No. VA-0190

DATE ENTERED/UPDATED: 07/07/93

CU	0.2000 LB/HR	NSPS
CAS NO. 7440-50-8	0.0000	0.000
MN	0.0100 LB/HR	NSPS
CAS NO. 7439-96-5	0.0000	0.000
HG	0.0020 LB/HR	NSPS
CAS NO. 7439-97-6	0.0000	0.000
NI	0.1000 LB/HR	NSPS
CAS NO. 7440-02-0	0.0000	0.000
SE	0.0100 LB/HR	NSPS
CAS NO. 7782-49-2	0.0000	0.000
V	0.0400 LB/HR	NSPS
CAS NO. 7440-62-2	0.0000	0.000

BOILER, CIRCULATING FLUIDIZED COMBUSTION

690.00 MMBTU/HR

PROCESS CODE 11.004
SCC CODE

TSP	13.8000 LBS/HR	BACT-PSD
CAS NO.	0.0000	99.900
	ESP	
PM10	13.8000 LBS/HR	BACT-PSD
CAS NO.	0.0000	99.500
	ESP	
	3/ 3 CONTROL OPTIONS EXAMINED/OPTION SELECTED	

BLIS ID No. VA-0190

DATE ENTERED/UPDATED: 07/07/93

S02 CAS NO. 7446-09-5	52.5000 LBS/HR 0.0000	BACT-PSD 95.600
LIMESTONE INJECTION		
2/ 2 CONTROL OPTIONS EXAMINED/OPTION SELECTED		
NOX CAS NO.	103.5000 LBS/HR 0.0000	BACT-PSD 75.000
SNCR		
3/ 2 CONTROL OPTIONS EXAMINED/OPTION SELECTED		
CO CAS NO. 630-08-0	104.0000 LBS/HR 0.0000	BACT-PSD 0.000
GOOD COMBUSTION		
VOC CAS NO.	10.4000 LBS/HR 0.0000	BACT-PSD 0.000
GOOD COMBUSTION		
PB CAS NO. 7439-92-1	0.0100 LB/HR 0.0000	BACT-PSD 0.000
NH3 CAS NO. 7664-41-7	12.8000 LBS/HR 0.0000	NSPS 0.000
BZ CAS NO. 71-43-2	1.9000 LBS/HR 0.0000	NSPS 0.000
FORMALDEHYDE CAS NO. 50-00-0	0.1000 LB/HR 0.0000	NSPS 0.000
PHENOL CAS NO. 108-95-2	3.1000 LBS/HR 0.0000	NSPS 0.000

BLIS ID No. VA-0190

DATE ENTERED/UPDATED: 07/07/93

NAPHTHALENE CAS NO. 91-20-3	0.4000 LB/HR 0.0000	NSPS 0.000
AS CAS NO. 7440-38-2	0.0100 LB/HR 0.0000	NSPS 0.000
BE CAS NO. 7440-41-7	0.0005 LB/HR 0.0000	NSPS 0.000
CD CAS NO. 7440-43-9	0.0010 LB/HR 0.0000	NSPS 0.000
CR CAS NO. 7440-47-3	0.1600 LB/HR 0.0000	NSPS 0.000
CU CAS NO. 7440-50-8	0.0100 LB/HR 0.0000	NSPS 0.000
F CAS NO. 7782-41-4	0.0200 LB/HR 0.0000	NSPS 0.000
HCL CAS NO. 7647-01-0	0.0500 LB/HR 0.0000	NSPS 0.000
MN CAS NO. 7439-96-5	0.1000 LB/HR 0.0000	NSPS 0.000

BLIS ID No. VA-0190

DATE ENTERED/UPDATED: 07/07/93

BOILER, PACKAGE, NATURAL GAS FUEL		255000.00 CFT/HR		
PROCESS CODE 11.004				
SCC CODE 10200601				
TSP				
CAS NO.	5.1000 X10(-3) LB/MM BTU	BACT-PSD	0.0000	0.000
CLEAN BURN FUEL				
3/ 3 CONTROL OPTIONS EXAMINED/OPTION SELECTED				
PM10				
CAS NO.	5.1000 X10(-3) LB/MM BTU	BACT-PSD	0.0000	0.000
CLEAN BURN FUEL				
3/ 3 CONTROL OPTIONS EXAMINED/OPTION SELECTED				
HG				
CAS NO. 7439-97-6	0.0100 LB/HR	NSPS	0.0000	0.000
NI				
CAS NO. 7440-02-0	0.1000 LB/HR	NSPS	0.0000	0.000
SE				
CAS NO. 7782-49-2	0.0200 LB/HR	NSPS	0.0000	0.000
SILICA				
CAS NO.	3.8000 LBS/HR	NSPS	0.0000	0.000
SULFURIC ACID				
CAS NO. 7664-93-9	1.3000 LBS/HR	NSPS	0.0000	0.000
V				
CAS NO. 7440-62-2	0.0400 LB/HR	NSPS	0.0000	0.000

BLIS ID No. VA-0190

DATE ENTERED/UPDATED: 07/07/93

SO2		2.8000 X10(-3)	BACT-PSD
CAS NO. 7446-09-5		0.0000	0.000
LOW SULFUR FUEL			
2/ 2 CONTROL OPTIONS EXAMINED/OPTION SELECTED			
NOX		1.0000 X10(-1) LB/MM BTU	BACT-PSD
CAS NO.		0.0000	50.000
BOILER DESIGN			
CO		5.1000 LBS/HR	BACT-PSD
CAS NO. 630-08-0		0.0000	0.000
GOOD COMBUSTION			
VOC		2.6000 LBS/HR	BACT-PSD
CAS NO.		0.0000	0.000
GOOD COMBUSTION			
0.00			
BOILER, PACKAGE, NO. 2 FUEL OIL			
PROCESS CODE 11.004			
SCC CODE 10200501			
TSP		0.1000 LB/MMBTU	BACT-PSD
CAS NO.		0.1000 LB/MMBTU	0.000
CLEAN BURN FUEL			
3/ 3 CONTROL OPTIONS EXAMINED/OPTION SELECTED			
PM10		0.1000 LB/MMBTU	BACT-PSD
CAS NO.		0.1000 LB/MMBTU	0.000
CLEAN BURN FUEL			
3/ 3 CONTROL OPTIONS EXAMINED/OPTION SELECTED			
SO2		0.2200 LB/MMBTU	BACT-PSD
CAS NO. 7446-09-5		0.2200 LB/MMBTU	0.000
LOW SULFUR FUEL			
2/ 2 CONTROL OPTIONS EXAMINED/OPTION SELECTED			
NOX		0.1000 LB/MMBTU	BACT-PSD
CAS NO.		0.1000 LB/MMBTU	50.000
BOILER DESIGN			

BLIS ID No. VA-0190

DATE ENTERED/UPDATED: 07/07/93

CO		4.9000 LBS/HR	BACT-PSD
CAS NO. 630-08-0		0.0000	0.000
		GOOD COMBUSTION	
VOC		2.5000 LBS/HR	BACT-PSD
CAS NO.		0.0000	0.000
		GOOD COMBUSTION	
735.00 x10(6) CFT/Y			
PROCESS CODE 11.004			
SCC CODE			
BOILER, PACKAGE (TOTAL)			
TSP	35.3000 TPY	BACT-PSD	
CAS NO.	0.0000	0.000	
		CLEAN BURN FUEL	
		3/ 3 CONTROL OPTIONS EXAMINED/OPTION SELECTED	
PM10	35.3000 TPY	BACT-PSD	
CAS NO.	0.0000	0.000	
		CLEAN BURN FUEL	
		3/ 3 CONTROL OPTIONS EXAMINED/OPTION SELECTED	
SO2	76.1000 TPY	BACT-PSD	
CAS NO. 7446-09-5	0.0000	0.000	
		LOW SULFUR FUEL	
		2/ 2 CONTROL OPTIONS EXAMINED/OPTION SELECTED	
NOX	35.3000 TPY	BACT-PSD	
CAS NO.	0.0000	0.000	
		BOILER DESIGN	
CO	7.0000 TPY	BACT-PSD	
CAS NO. 630-08-0	0.0000	0.000	
		GOOD COMBUSTION	
VOC	3.6000 TPY	BACT-PSD	
CAS NO.	0.0000	0.000	
		GOOD COMBUSTION	

BLIS ID No. VA-0190

DATE ENTERED/UPDATED: 07/07/93

BZ CAS NO. 71-43-2	0.1000 LB/HR 0.0000	NSPS 0.000
FORMALDEHYDE CAS NO. 50-00-0	0.1000 LB/HR 0.0000	NSPS 0.000
AS CAS NO. 7440-38-2	0.0010 LB/HR 0.0000	NSPS 0.000
BE CAS NO. 7440-41-7	0.0010 LB/HR 0.0000	NSPS 0.000
CD CAS NO. 7440-43-9	0.0030 LB/HR 0.0000	NSPS 0.000
CR CAS NO. 7440-47-3	0.0100 LB/HR 0.0000	NSPS 0.000
CU CAS NO. 7440-50-8	0.0700 LB/HR 0.0000	NSPS 0.000
MN CAS NO. 7439-96-5	0.0030 LB/HR 0.0000	NSPS 0.000
HG CAS NO. 7439-97-6	0.0010 LB/HR 0.0000	NSPS 0.000

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DATE ENTERED/UPDATED: 07/07/93

0.00

BACT-PSD
95-000

BACT-PSD
95-000

BACT-PSD
95,000

BACT-PSD
0.000

3.

BACT-PSD
0.000

BACT-PSD

BACT-PSD

BLIS ID No. VA-0190

DATE ENTERED/UPDATED: 07/07/93

PB CAS NO. 7439-92-1	0.0030 LB/HR 0.0000	BACT-PSD 0.000
BZ CAS NO. 71-43-2	5.4000 LBS/HR 0.0000	NSPS 0.000
FORMALDEHYDE CAS NO. 50-00-0	0.1000 LB/HR 0.0000	NSPS 0.000
PHENOL CAS NO. 108-95-2	1.7000 LBS/HR 0.0000	NSPS 0.000
NAPHTHALENE CAS NO. 91-20-3	0.2000 LB/HR 0.0000	NSPS 0.000
AS CAS NO. 7440-38-2	0.0100 LB/HR 0.0000	NSPS 0.000
BE CAS NO. 7440-41-7	0.0010 LB/HR 0.0000	NSPS 0.000
CD CAS NO. 7440-43-9	0.0040 LB/HR 0.0000	NSPS 0.000
CR CAS NO. 7440-47-3	0.1000 LB/HR 0.0000	NSPS 0.000

BLIS ID No. VA-0190

DATE ENTERED/UPDATED: 07/07/93

CU CAS NO. 7440-50-8	0.0100 LB/HR 0.0000	NSPS 0.000
F CAS NO. 7782-41-4	0.0100 LB/HR 0.0000	NSPS 0.000
HCL CAS NO. 7647-01-0	0.0300 LB/HR 0.0000	NSPS 0.000
MN CAS NO. 7439-96-5	0.0500 LB/HR 0.0000	NSPS 0.000
HG CAS NO. 7439-97-6	0.0100 LB/HR 0.0000	NSPS 0.000
NI CAS NO. 7440-02-0	0.1000 LB/HR 0.0000	NSPS 0.000
SE CAS NO. 7782-49-2	0.0070 LB/HR 0.0000	NSPS 0.000
SILICA CAS NO.	3.2000 LBS/HR 0.0000	NSPS 0.000
SULFURIC ACID CAS NO. 7664-93-9	5.7000 LBS/HR 0.0000	NSPS 0.000

REPORT DATE: 07/27/93

DETAILED SOURCE LISTING (Part A)

BLIS ID No. VA-0190

PAGE H- 404
DATE ENTERED/UPDATED: 07/07/93

DEBARKING FACILITY		0.00	V	CAS NO.	7440-62-2	0.0200 LB/HR	0.0000	NSPS	0.0000
PROCESS CODE 30.004	SCC CODE 30701399		TSP			0.1000 LB/HR		BACT-PSD	
			CAS NO.			0.0000		35.000	
						ENCLOSED BUILDING			
						2/ 2 CONTROL OPTIONS EXAMINED/OPTION SELECTED			
			PM10			0.1000 LB/HR		BACT-PSD	
			CAS NO.			0.0000		35.000	
						ENCLOSED BUILDING			
						2/ 2 CONTROL OPTIONS EXAMINED/OPTION SELECTED			
MATERIAL TRANSFER/HANDLING, BARK		0.00							
PROCESS CODE 30.004	SCC CODE 30701399		TSP			0.5000 LB/HR		BACT-PSD	
			CAS NO.			0.0000		35.000	
						CLOSED CONDUIT			
						1/ 1 CONTROL OPTIONS EXAMINED/OPTION SELECTED			
			PM10			0.5000 LB/HR		BACT-NSPS	
			CAS NO.			0.0000		35.000	
						CLOSED CONDUIT			
						1/ 1 CONTROL OPTIONS EXAMINED/OPTION SELECTED			
MATERIAL TRANSFER/HANDLING, CHIP		0.00							
PROCESS CODE 30.004	SCC CODE 30701399		TSP			2.6000 LBS/HR		BACT-PSD	
			CAS NO.			0.0000		0.000	
						CLOSED CONDUIT			
						1/ 1 CONTROL OPTIONS EXAMINED/OPTION SELECTED			

MATERIAL TRANSFER/HANDLING, COAL	0.00	PM10	2.6000 LBS/HR	BACT-PSD
		CAS NO.	0.0000	35.000
			CLOSED CONDUIT	
			1/ 1 CONTROL OPTIONS EXAMINED/OPTION SELECTED	
PROCESS CODE 90.011 SCC CODE 30701399		TSP	0.5000 LB/HR	BACT-PSD
		CAS NO.	0.0000	35.000
			CLOSED CONDUIT	
			1/ 1 CONTROL OPTIONS EXAMINED/OPTION SELECTED	
MATERIAL STORAGE, LIME SILOS	0.00	PM10	0.5000 LB/HR	BACT-PSD
		CAS NO.	0.0000	35.000
			CLOSED CONDUIT	
			1/ 1 CONTROL OPTIONS EXAMINED/OPTION SELECTED	
PROCESS CODE 90.019 SCC CODE 30701399		TSP	1.0000 X10(-5) LB/HR	BACT-PSD
		CAS NO.	0.0000	99.000
			BAGHOUSE	
			2/ 1 CONTROL OPTIONS EXAMINED/OPTION SELECTED	
MATERIAL TRANSFER/HANDLING, ASH	0.00	PM10	1.0000 X10(-5) LB/HR	BACT-PSD
		CAS NO.	0.0000	99.000
			BAGHOUSE	
			2/ 1 CONTROL OPTIONS EXAMINED/OPTION SELECTED	
PROCESS CODE 11.999 SCC CODE 30701399		TSP	2.5000 LBS/HR	BACT-PSD
		CAS NO.	0.0000	99.000
			BAGHOUSE	
			3/ 1 CONTROL OPTIONS EXAMINED/OPTION SELECTED	

PM10	2.5000 LBS/HR	BACT-PSD
CAS NO.	0.0000	99.000
BAGHOUSE		
3/ 1 CONTROL OPTIONS EXAMINED/OPTION SELECTED		

- NOTES: 1. PERMIT TO CONSTRUCT & MODIFY A PULP & PAPER MILL. NEW CONSTRUCTION INCLUDES A COMBINED CYCLE COMBUSTION GAS TURBINE, HEAT RECOVERY SYSTEM GENERATOR (HRSG) WITH DUCT BURNER, CIRCULATING FLUIDIZED COMBUSTION (CFC) BOILER, PACKAGE BOILER, & TWO THERMOMECHANICAL PULP (TMP) LINES INCLUDING A VOC CONDENSATION SYSTEM. CGT USED TO GENERATE POWER TO RUN THE OPERATION OF THE PLANT, WITH EXCESS POWER SOLD LOCALLY.
2. CAPITAL COSTS (ACTUAL COST): A) CFC -- SNCR (NOX), \$5671/TON; LIME INJECTION (SO2), \$31.90/TON; ESP (PM), \$9/TON / B) TURBINE -- SCR (NOX), \$1910/TON.
3. FUEL FOR CFC BOILER IS SLUDGE, COAL, & BARK.

REPORT DATE: 07/27/93

DETAILED SOURCE LISTING (Part A)

PAGE H- 407

BLIS ID No. VA-0191

DATE ENTERED/UPDATED: 06/15/93

COMPANY NAME/SITE LOCATION: RW POWER PARTNERS, L.P.
SOUTH BOSTON INDUSTRIAL PARK
, VA

HALIFAX COUNTY

DETERMINATION IS FOR A NEW SOURCE.

PERMIT NO. 30890

DETERMINATION MADE BY: VIRGINIA DEPT OF AIR POLLUTION CONTROL
(AGENCY)

CASSANDRA JEFFRIES
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 01/28/93
ESTIMATED START-UP DATE-- / /
(804) 786-6849
(PHONE)

AIRS ID NO.

EPA ID NO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT NAME	EMISSION LIMITS (PRIMARY) (STANDARDIZED)		BASIC EST % EFF
			CTRL EQUIPMENT/PROCESS MODIFICATION RANKING INFORMATION		

GENERATORS, ELECTRIC (DIESEL) (3)

1200.00 KW (EACH)

PROCESS CODE 15.002
SCC CODE

NOX	137.3000 LB/HR	BACT-OTHER
CAS NO.	0.0000	0.000
	TURBOCHARGER AND INNER COOLER	

TSP/PM10	3.4000 LB/HR	BACT-OTHER
CAS NO.	0.0000	0.000
	GOOD COMBUSTION PRACTICES	

CO	3.4000 LB/HR	BACT-OTHER
CAS NO. 630-08-0	0.0000	0.000
	GOOD COMBUSTION PRACTICES	

VOC	4.6000 LB/HR	BACT-OTHER
CAS NO.	0.0000	0.000
	GOOD COMBUSTION PRACTICES	

S02	18.1000 LB/HR	BACT-OTHER
CAS NO. 7446-09-5	0.0000	0.000
USE OF 0.5% SULFUR FUEL		

- NOTES:
1. DETERMINATION IS FOR A DIESEL/ELECTRIC POWER FACILITY.
 2. GENERATORS ARE COOPER BESSEMER'S, EACH AT 1730 BHP. EACH USES 85 GALLONS OF RECYCLED OIL PER HOUR.
 3. THIS SOURCE IS ALSO CLASSIFIED AS A COGENERATOR. #2 FUEL OIL WILL BE USED AT STARTUP AND AS AN EMERGENCY FUEL. VISIBLE EMISSIONS NOT TO EXCEED 10% OPACITY.

REPORT DATE: 07/27/93

DETAILED SOURCE LISTING (Part A)
BLIS ID No. VA-0192

PAGE H- 409
DATE ENTERED/UPDATED: 07/07/93

COMPANY NAME/SITE LOCATION: NORFOLK AND WESTERN RAILWAY COMPANY
U.S. ROUTE 460
WINDSOR, VA

ISLE OF WRIGHT COUNTY

DETERMINATION IS FOR A NEW SOURCE.
PERMIT NO. 61130

DETERMINATION MADE BY: VIRGINIA DEPT OF AIR POLLUTION CONTROL
(AGENCY)

CASSANDRA JEFFRIES
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 03/04/93
ESTIMATED START-UP DATE-- / /
(804) 786-6849
(PHONE)

AIRS ID NO.

EPA ID NO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT NAME	EMISSION LIMITS (PRIMARY) (STANDARDIZED)	CTRL EQUIPMENT/PROCESS MODIFICATION RANKING INFORMATION	BASIS EST & EFF
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DUMPERS (2)

6000.00 TPH

PROCESS CODE 90.011
SCC CODE

TSP
CAS NO.

0.5000 LB/HR
0.0000
WET SUPPRESSION WITH SURFACTANT

BACT-OTHER
95.000

TRANSFERS (7)

6000.00 TPH

PROCESS CODE 90.011
SCC CODE

TSP
CAS NO.

4.7000 LB/HR
0.0000
WET SUPPRESSION WITH SURFACTANT

BACT-OTHER
95.000

STACKER/RECLAIMERS (2)						
PROCESS CODE 90.011	PM10		0.9000 LB/HR	BACT-OTHER		
SCC CODE	CAS NO.		0.0000	95.000		
		6000.00 TPH	WET SUPPRESSION WITH SURFACTANT			
	TSP		1.5000 LB/HR	BACT-OTHER		
	CAS NO.		0.0000	90.000		
			WET SUPPRESSION			
	PM10		0.3000 LB/HR	BACT-OTHER		
	CAS NO.		0.0000	90.000		
			WET SUPPRESSION			
	TSP		3.0000 LB/HR	BACT-OTHER		
	CAS NO.		0.0000	90.000		
			WET SUPPRESSION			
	PM10		0.6000 LB/HR	BACT-OTHER		
	CAS NO.		0.0000	90.000		
			WET SUPPRESSION			
	TSP		100.6000 TPY	BACT-OTHER		
	CAS NO.		0.0000	86.990		
			WET SUPPRESSION			
	PM10		18.1000 TPY	BACT-OTHER		
	CAS NO.		0.0000	86.990		
			WET SUPPRESSION			

VEHICLES, AUXILIARY
0.00PROCESS CODE 90.011
SCC CODEMATERIAL STORAGE, PILES, COAL
4000000.00 TONSPROCESS CODE 90.011
SCC CODE

NOTES: 1. THE DUMPERS, TRANSFERS, AND STACKER/RECLAIMERS PROCESSES EACH HAVE AN
ALTERNATIVE THROUGHPUT CAPACITY OF 40,000,000 TPY.
2. DETERMINATION FOR A COAL GROUND STORAGE FACILITY.

REPORT DATE: 07/27/93

DETAILED SOURCE LISTING (Part A)

PAGE H- 411

BLIS ID No. VA-0193

DATE ENTERED/UPDATED: 06/15/93

COMPANY NAME/SITE LOCATION: HOECHST CELANESE CORPORATION

ROUTE 460

NARROWS, VA

COUNTY

DETERMINATION IS FOR A MODIFIED SOURCE.

PERMIT NO. 20304

DETERMINATION MADE BY: VIRGINIA DEPT OF AIR POLLUTION CONTROL
(AGENCY)

CASSANDRA JEFFRIES
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 02/25/93
ESTIMATED START-UP DATE-- / /
(804) 786-6849
(PHONE)

AIRS ID NO.

EPA ID NO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT NAME	EMISSION LIMITS (PRIMARY) (STANDARDIZED)	CTRL EQUIPMENT/PROCESS MODIFICATION RANKING INFORMATION	BASIS EST % EFF
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CIGARETTE TOW PRODUCTION FACILITY

0.00

PROCESS CODE 65.999
SCC CODE

ACETONE (VOC)
CAS NO. 67-64-1

5204.0000 TPY
0.0000
CARBON ADSORPTION

BACT-PSD
98.900

PLATING, CHROME

0.00

PROCESS CODE 99.013
SCC CODE

CRVI
CAS NO.

0.0000 NA
0.0000

BACT-PSD
70.000

DECREASED SURFACE AREA OF PLATING BATH

NOTES: 1. TESTING WAS REQUIRED.

2. THROUGHPUT CAPACITY OF CIGARETTE TOW PRODUCTION FACILITY WAS DECLARED
CONFIDENTIAL.

3. IN ADDITION TO THE CARBON ADSORPTION UNITS, THE PLANT HAS INSTALLED
SEVERAL ADDITIONAL INNOVATIVE CONTROLS TO REDUCE THE AMOUNT OF ACETONE
EMISSIONS. THE RESULT IS AN EXPANSION IN CAPACITY WITHOUT AN INCREASE
IN EMISSIONS.

4. CAPACITY AND EMISSION LIMIT FOR CHROME PLATING OPERATION LISTED AS "NA".

5. DETERMINATION FOR A CIGARETTE TOW PRODUCTION FACILITY.

REPORT DATE: 07/27/93

DETAILED SOURCE LISTING (Part A)

PAGE H- 413

BLIS ID No. VA-0194

DATE ENTERED/UPDATED: 06/24/93

COMPANY NAME/SITE LOCATION: CITGO PETROLEUM CORPORATION , MARKETING DIVISION
THIRD AND MAURY STREETS
RICHMOND, VA

COUNTY

DETERMINATION IS FOR A NEW SOURCE.

PERMIT NO. 50334

DETERMINATION MADE BY: VIRGINIA DEPT OF AIR POLLUTION CONTROL
(AGENCY)

CASSANDRA JEFFRIES
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 02/26/93
ESTIMATED START-UP DATE-- / /
(804) 786-6849
(PHONE)

AIRS ID NO.

EPA ID NO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT NAME	EMISSION LIMITS (PRIMARY) (STANDARDIZED) CTRL EQUIPMENT/PROCESS MODIFICATION RANKING INFORMATION	BASIS EST % EFF
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MATERIAL STORAGE, TANK, PETRO PRODUCT (TANK #SV-4) 0.00 SEE NOTES

PROCESS CODE 42.006

SCC CODE

VOC

CAS NO.

1.2000 LB/HR

0.0000

BACT-OTHER

0.000

INTERNAL FLOATING ROOF

NOTES: 1. STORAGE TANK HOLDS THREE DIFFERENT PETROLEUM PRODUCTS WITH DIFFERENT
THROUGHPUT CAPACITIES: UNLEADED GASOLINE - 93,240,000 GPY; KEROSENE -
28,800,000 GPY; AND DIESEL - 13,920,000 GPY.
2. TESTING IS REQUIRED.

COMPANY NAME/SITE LOCATION: TEXASGULF, INC.
GOVERNMENT PLANT ROAD
SALTVILLE, VA 24370-

SMYTH COUNTY

DATE OF PERMIT ISSUANCE-- 02/23/93
ESTIMATED START-UP DATE-- / /
(804) 786-6849
(PHONE)

DETERMINATION IS FOR A MODIFIED SOURCE.
PERMIT NO. 10813

DETERMINATION MADE BY: VIRGINIA DEPT OF AIR POLLUTION CONTROL
(AGENCY) CASSANDRA JEFFRIES
(AGENCY CONTACT PERSON)

AIRS ID NO. 51-173-0085

EPA ID NO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT NAME	EMISSION LIMITS (PRIMARY) (STANDARDIZED)	
			CTRL EQUIPMENT/PROCESS MODIFICATION RANKING INFORMATION	BASIS EST & EFF

PHOSPHATE ROCK UNLOADING

60.00 TPH

TSP & PM10
CAS NO.

1.4000 LB/HR
0.0000
BAGHOUSE

BACT-OTHER
99.000

SODA ASH UNLOADING

30.00 TPH

TSP & PM10
CAS NO.

0.5000 TPY*
0.0000
BAGHOUSE

BACT-OTHER
99.000

RAW MATERIAL BELT TRANSFER

90.00 TPH

TSP & PM-10
CAS NO.

0.5000 TPY*
0.0000
BAGHOUSE

BACT-OTHER
99.000

LIME UNLOADING

30.00 TPH

PROCESS CODE 90.019
SCC CODE 30501107TSP & PM10
CAS NO.0.5000 TPY*
0.0000
BAGHOUSEBACT-OTHER
99.000

KILN FEED MIX PRODUCTION

75.00 TPH

PROCESS CODE 90.026
SCC CODE 30501902TSP & PM10
CAS NO.0.5000 TPY*
0.0000
WET SCRUBBERBACT-OTHER
99.000HF
CAS NO. 7664-39-30.1700 LB/HR
0.0000
WET SCRUBBERBACT-OTHER
90.000

#3 KILN DEFLUORINATION

19.10 TPH

PROCESS CODE 90.026
SCC CODE 30501905TSP & PM10
CAS NO.12.0000 LB/HR
0.0000
HORIZ. WET SCRUBBER & VENTURI SCRUBBER I *BACT-OTHER
96.600SO2
CAS NO. 7446-09-523.7000 LB/HR
0.0000
HORIZ. WET SCRUBBER & VENTURI SCRUBBER I *BACT-OTHER
97.300NOX
CAS NO.48.5000 LB/HR
0.0000BACT-OTHER
0.000HF
CAS NO. 7664-39-30.3000 LB/HR
0.0000
HORIZ. WET SCRUBBER & VENTURI SCRUBBER I *BACT-OTHER
99.970

CLINKER CONVEYING	30.00 TPH					
PROCESS CODE 90.026		TSP & PM10	5.0000 LB/HR	BACT-OTHER		
SCC CODE 30501903		CAS NO.	0.0000	90.000		
			WET SUPPRESSION			
PRODUCT SIZING AND DEDUSTING	40.00 TPH					
PROCESS CODE 90.026		TSP & PM10	1.5000 LB/HR	BACT-OTHER		
SCC CODE 30502004		CAS NO.	0.0000	99.000		
			BAGHOUSE			
PRODUCT STORAGE	75.00 TPH					
PROCESS CODE 90.026		TSP & PM10	0.6000 LB/HR	BACT-OTHER		
SCC CODE 30501903		CAS NO.	0.0000	99.000		
			BAGHOUSE			
PRODUCT STORAGE - #3 SILO	40.00 TPH					
PROCESS CODE 70.007		TSP & PM10	0.5000 LB/HR	BACT-OTHER		
SCC CODE		CAS NO.	0.0000	99.000		
			BAGHOUSE			
COAL UNLOADING	50.00 TPH					
PROCESS CODE 90.011		TSP & PM10	0.5000 TPY*	BACT-OTHER		
SCC CODE		CAS NO.	0.0000	90.000		
			WET MATERIAL			
BULK PRODUCT LOADING	60.00 TPH					
PROCESS CODE 70.007		TSP & PM10	1.4000 LB/HR	BACT-OTHER		
SCC CODE		CAS NO.	0.0000	99.000		
			BAGHOUSE			

- NOTES: 1. THE EMISSIONS FROM ALL THE PROCESSES IN THIS PLANT WERE RECALCULATED TO DETERMINE THE NEW LIMITS FROM THE INCREASE IN PRODUCTION. TESTING HAS AND WILL CONTINUE YEARLY ON THE KILN STACK AND ONE TEST FOR TOXICS WILL BE REQUIRED.
2. * = EMISSION LIMIT IS < 0.5 TPY OF THE POLLUTANT.
3. APPLICATION DEEMED COMPLETE 02/17/93.
4. DETERMINATION FOR A DEFLUORINATED PHOSPHATE PRODUCTION FACILITY.

REPORT DATE: 07/27/93

DETAILED SOURCE LISTING (Part A)

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BLIS ID No. VA-0197

DATE ENTERED/UPDATED: 06/24/93

COMPANY NAME/SITE LOCATION: VIRGINIA COMMONWEALTH UNIVERSITY
WEST SIDE OF 17TH STREET
, VA

COUNTY

DETERMINATION IS FOR A NEW SOURCE.

PERMIT NO. 50126

DETERMINATION MADE BY: VIRGINIA DEPT OF AIR POLLUTION CONTROL
(AGENCY)

CASSANDRA JEFFRIES
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 02/22/93
ESTIMATED START-UP DATE-- / /
(804) 786-6849
(PHONE)

AIRS ID NO.

EPA ID NO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT NAME	EMISSION LIMITS (PRIMARY) (STANDARDIZED)		BACT-OTHER
			CTRL EQUIPMENT/PROCESS MODIFICATION RANKING INFORMATION	EST % EFF	

BOILER, UTILITY, NATURAL GAS & #6 FUEL OIL (3)

0.00

PROCESS CODE 11.004
SCC CODE

NOX
CAS NO.

145.0000 LB/HR
0.0000
LOW-NOX BURNERS

BACT-OTHER
82.000

SO2
CAS NO. 7446-09-5

157.0000 LB/HR
0.0000
0.5% SULFUR LIMIT ON FUEL OIL

BACT-OTHER
0.000

PM10
CAS NO.

17.5000 LB/HR
0.0000

BACT-OTHER
0.000

NOTES: 1. DETERMINATION FOR A STEAM GENERATION PLANT.

2. THE PROJECT INCLUDED NETTED EMISSIONS, WHICH REDUCED EMISSION INCREASES TO BELOW PSD SIGNIFICANCE LEVELS AND THUS ELIMINATING PSD REQUIREMENTS.
3. EMISSION LIMIT BASED ON MAXIMUM OF NATURAL GAS AND #6 FUEL OIL USAGE.
4. EFFICIENCY: 82% EQUIV., FOR NOX, BASED ON AP-42 FACTORS FOR UNCONTROLLED
5. TESTING AND CEM(S) REQUIRED.
6. APPLICATION DEEMED COMPLETE 11/12/92.
7. SITE LOCATION: ON WEST SIDE OF 17TH STREET NEXT TO THE MARTIN LUTHER KING BRIDGE.

REPORT DATE: 07/27/93

DETAILED SOURCE LISTING (Part A)

PAGE H- 420

BLIS ID No. WA-0028

DATE ENTERED/UPDATED: 06/18/93

COMPANY NAME/SITE LOCATION: KING COMPANY LANDFILL
29000 SE 440TH STREET
ENUMCLAW, WA 98022-

COUNTY

DETERMINATION IS FOR A NEW SOURCE.

PERMIT NO. 3193

DETERMINATION MADE BY: PUGET SOUND AIR POLL CONTROL AGENCY, WA
(AGENCY)

CLAUDE WILLIAMS
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 04/13/89
ESTIMATED START-UP DATE-- 04/01/90
(206) 689-4066
(PHONE)

AIRS ID NO.

EPA ID NO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT NAME	EMISSION LIMITS (PRIMARY) (STANDARDIZED)		BASIS EST % EFF
			CTRL EQUIPMENT/PROCESS MODIFICATION RANKING INFORMATION		

FLARE, ZINC (2)

400.00 CFM

PROCESS CODE 21.002
SCC CODE

HCL
CAS NO. 7647-01-0

100.0000 PPM @ 7% O2
0.0000
RACT
0.000

NOTES: SOURCE TEST FOR TRACE ORGANIC & INORGANIC TOXIC COMPOUNDS BY TO-14 CHECK
WITH ALLOWABLE SOURCE IMPACT LEVELS (ASIL) IN REGULATION III (BACT).
ALSO, THE PERMIT REQUIRES THAT THE MINIMUM RESIDENCE TIME IS 1.0 SEC.
AND THE MINIMUM TEMPERATURE IS 1300 DEGREES F. WITHIN THE COMBUSTION
ZONE (RACT).

GAS COLLECTION SYSTEM CONSISTING OF A JOHN ZINK MODEL ZTOF COMBUSTOR WITH
A MAIN BURNER AND A PILOT BURNER AND TWO HAUCK BLOWERS AT 400 CFM.

REPORT DATE: 07/27/93

DETAILED SOURCE LISTING (Part A)

PAGE H- 421

BLIS ID No. WA-0029

DATE ENTERED/UPDATED: 06/23/93

COMPANY NAME/SITE LOCATION: SALMON BAY STEEL CORPORATION

22011 84TH STREET

KENT, WA 98031-

COUNTY

DETERMINATION IS FOR A NEW SOURCE.

PERMIT NO. 3195

DETERMINATION MADE BY: PUGET SOUND AIR POLL CONTROL AGENCY, WA

(AGENCY)

CLAUDE WILLIAMS

(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 03/30/89

ESTIMATED START-UP DATE-- 08/01/89

(206) 689-4066

(PHONE)

AIRS ID NO. 033-00241

EPA ID NO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT NAME	EMISSION LIMITS (PRIMARY) (STANDARDIZED)		BASIC EST % EFF
			CTRL EQUIPMENT/PROCESS MODIFICATION RANKING INFORMATION		

CASTER & FURNACES (2)

720000.00 CFM

PROCESS CODE 81.006

SCC CODE

PM

CAS NO.

0.0100 GR/DSCF

0.0000

REVERSE AIR BAGHOUSE

BACT

0.000

VE

CAS NO.

0.0000 NO VISIBLE EMISSIONS

0.0000

REVERSE AIR BAGHOUSE

BACT

0.000

NOTES: 1. REGULATION I SECTION 9.20 - MAINTENANCE OF EQUIPMENT

2. REGULATION I SECTION 9.15(C) - NO FUGITIVE EMISSIONS

ONE 8-COMPARTMENT BAUM CO. RESOURCE DESIGN REVERSE AIR BAGHOUSE OR
EQUIVALENT AT 720,000 (150F) CFM WITH TWO FANS TO CONTROL TWO FURNACES
AND CASTER.

BLIS ID No. WA-0030

DATE ENTERED/UPDATED: 06/18/93

COMPANY NAME/SITE LOCATION: UNOCAL CORPORATION
2901 WESTERN AVE
SEATTLE, WA 98121-

COUNTY

DETERMINATION IS FOR A NEW SOURCE.

PERMIT NO. 3196

DETERMINATION MADE BY: PUGET SOUND AIR POLL CONTROL AGENCY, WA
(AGENCY)CLAUDE WILLIAMS
(AGENCY CONTACT PERSON)DATE OF PERMIT ISSUANCE--- 03/30/89
ESTIMATED START-UP DATE--- 10/01/89
(206) 689-4066
(PHONE)

AIRS ID NO.

EPA ID NO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT NAME	EMISSION LIMITS (PRIMARY) (STANDARDIZED)		BASIS EST & EFF
			CTRL EQUIPMENT/PROCESS MODIFICATION RANKING INFORMATION		

ENTIRE FACILITY

0.00

PROCESS CODE 22.006
SCC CODEVOC
CAS NO.15.0000 LB/DAY
0.0000BACT-OTHER
0.000

VAPOR EXTRACTION STACK

0.00

PROCESS CODE 22.006
SCC CODEVOC
CAS NO.1000.0000 PPM
0.0000BACT-OTHER
0.000

MONITOR SYSTEM

0.00

PROCESS CODE 22.006
SCC CODEVOC
CAS NO.5.0000 PPM
0.0000BACT-OTHER
0.000

REPORT DATE: 07/27/93

DETAILED SOURCE LISTING (Part A)

BLIS ID No. WA-0031

PAGE H- 424

DATE ENTERED/UPDATED: 07/06/93

COMPANY NAME/SITE LOCATION: CELLO BAG CO., INC.
17100 W. VALLEY HWY
TUKWITA, WA 98188-

COUNTY

DETERMINATION IS FOR A NEW SOURCE.

PERMIT NO. 3201

DETERMINATION MADE BY: PUGET SOUND AIR POLL CONTROL AGENCY, WA
(AGENCY)

CLAUDE WILLIAMS
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 04/11/89
ESTIMATED START-UP DATE-- 12/15/89
(206) 689-4066
(PHONE)

AIRS ID NO. 033-00139

EPA ID NO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT NAME	EMISSION LIMITS (PRIMARY) (STANDARDIZED)		BASIS EST % EFF
			CTRL EQUIPMENT/PROCESS MODIFICATION RANKING INFORMATION		

FLEXOGRAPHIC PRINTING, ENTIRE FACILITY

0.00

PROCESS CODE 41.021
SCC CODE

VOC
CAS NO.

40.0000 % OF UNCONTROLLED
0.0000
CONTROL OF VOC

RACT
60.000

FLEXOGRAPHIC PRINTING, FUME INCINERATOR

0.00

PROCESS CODE 41.021
SCC CODE

VOC
CAS NO.

10.0000 % OF UNCONTROLLED
0.0000
CONTROL OF VOC

RACT
90.000

NOTES: * REGULATION II SECTION 3.05

ONE CMF FLEXOGRAPHIC PRESS, MIRAGE 806, MODEL 140.

THE PRESS SHALL BE CONNECTED TO THE EXISTING FUME INCINERATOR.

REPORT DATE: 07/27/93

DETAILED SOURCE LISTING (Part A)
BLIS ID No. WA-0032

PAGE H- 425
DATE ENTERED/UPDATED: 07/07/93

COMPANY NAME/SITE LOCATION: NW ENVIROSERVICE, INC.
1500 AIRPORT WAY S.
SEATTLE, WA 98134-

COUNTY

DETERMINATION IS FOR A NEW SOURCE.

PERMIT NO. 3358

DETERMINATION MADE BY: PUGET SOUND AIR POLL CONTROL AGENCY, WA
(AGENCY)

CLAUDE WILLIAMS
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 10/10/89
ESTIMATED START-UP DATE-- 12/09/89
(206) 689-4066
(PHONE)

AIRS ID NO.

EPA ID NO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT NAME	EMISSION LIMITS (PRIMARY) (STANDARDIZED)		BASIC EST & EFF
			CTRL EQUIPMENT/PROCESS MODIFICATION RANKING INFORMATION		

MATERIAL STORAGE, TANKS

17000.00 GAL

PROCESS CODE 42.999

SCC CODE

VOC

CAS NO.

0.0000

0.0000

BACT-OTHER

0.000

SODIUM HYDROXIDE BUBBLER/CARBON ADSORPTI *

- NOTES: 1. TWO 17,000 GALLON TANKS FOR PROCESSING WASTE OIL, CONTROLLED BY A SODIUM HYDROXIDE BUBBLER FOLLOWED BY A BARNEY & SUTCLIFFE CARBON ABSORPTION SYSTEM.
2. TANKS SEALED IN SUCH A MANNER THAT ALL OF THE GAS RELEASED FROM TANKS DURING FILLING AND PROCESSING IS VENTED TO SODIUM HYDROXIDE BUBBLER.
3. SODIUM HYDROXIDE BUBBLER SEALED IN SUCH A MANNER THAT ALL THE GAS FROM THE BUBBLER IS VENTED TO THE CARBON ADSORPTION SYSTEM.

REPORT DATE: 07/27/93

DETAILED SOURCE LISTING (Part A)

BLIS ID No. WA-0033

PAGE H- 426
DATE ENTERED/UPDATED: 06/18/93

COMPANY NAME/SITE LOCATION: WESTERN PNEUMATIC TUBE CO.

835 6TH STREET

KIRKLAND, WA 98033-

COUNTY

DETERMINATION IS FOR A NEW SOURCE.

PERMIT NO. 3364

DETERMINATION MADE BY: PUGET SOUND AIR POLL CONTROL AGENCY, WA

(AGENCY)

CLAUDE WILLIAMS

(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 01/10/90

ESTIMATED START-UP DATE-- 08/10/90

(206) 689-4066

(PHONE)

AIRS ID NO. 033-00225

EPA ID NO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT NAME	EMISSION LIMITS (PRIMARY) (STANDARDIZED)		BACT-OTHER
			CTRL EQUIPMENT/PROCESS MODIFICATION RANKING INFORMATION	BASIS EST % EFF	

DEGREASER, VAPOR

0.00

PROCESS CODE 49.008

SCC CODE

VOC

CAS NO.

0.0000

0.0000

BACT-OTHER

0.000

100% FREEBOARD WITH CHILLER

NOTES: ONE DEXTREX 2-D-500 (MODIFIED) VAPOR DEGREASER WITH 100% FREEBOARD.

BLIS ID No. WA-0034

DATE ENTERED/UPDATED: 06/18/93

COMPANY NAME/SITE LOCATION: BOEING AEROSPACE, PLANT 2
7755 E. MARGINAL WAY S.
SEATTLE, WA 98108-

COUNTY

DETERMINATION IS FOR A MODIFIED SOURCE.
PERMIT NO. 3366

DETERMINATION MADE BY: PUGET SOUND AIR POLL CONTROL AGENCY, WA
(AGENCY) CLAUDE WILLIAMS
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 12/14/89
ESTIMATED START-UP DATE-- 01/08/90
(206) 689-4066
(PHONE)

AIRS ID NO. 033-00156

EPA ID NO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT NAME	EMISSION LIMITS (PRIMARY) (STANDARDIZED)		
			CTRL EQUIPMENT/PROCESS MODIFICATION	RANKING INFORMATION	BASIS EST % EFF

DEGREASER, VAPOR

0.00

PROCESS CODE 49.008
SCC CODE

VOC
CAS NO.

0.0000
0.0000

BACT-OTHER
0.000

75% FREEBOARD WITH FREEBOARD CHILLER

NOTES: RETROFIT J-25 TCE DEGREASER TO 75% FREEBOARD RATIO WITH 4-PASS REFRIGERATED
FREEBOARD CHILLER, LOCATED AT COL. J-25, BLDG 2.41. DEGREASER MAY OPERATE
WITH COVER OPEN.

REPORT DATE: 07/27/93

DETAILED SOURCE LISTING (Part A)

PAGE H- 428

BLIS ID No. WA-0035

DATE ENTERED/UPDATED: 06/23/93

COMPANY NAME/SITE LOCATION: WATSON ASPHALT PAVING CO.
19220 NE 80TH STREET
REDMOND, WA 98052-

COUNTY

DETERMINATION IS FOR A NEW SOURCE.

PERMIT NO. 3367 & 3367A

DETERMINATION MADE BY: PUGET SOUND AIR POLL CONTROL AGENCY, WA
(AGENCY)

CLAUDE WILLIAMS
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 11/21/89
ESTIMATED START-UP DATE-- 05/01/90
(206) 689-4066
(PHONE)

AIRS ID NO.

EPA ID NO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT NAME	EMISSION LIMITS (PRIMARY) (STANDARDIZED)	CTRL EQUIPMENT/PROCESS MODIFICATION RANKING INFORMATION	BASIS EST % EFF
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ASPHALT MIX PLANT

400.00 TPH

PROCESS CODE 90.003

SCC CODE

PM

CAS NO.

0.0400 GR/DSCF

0.0000

BAGHOUSE

BACT-OTHER

0.000

VE

CAS NO.

20.0000 % OPACITY

0.0000

CONDENSER

BACT-OTHER

0.000

NOTES: ONE CMI CORPORATION PVM-10X ASPHALT CONCRETE DRUM MIX PLANT AT 400 TPH,
CONTROLLED BY A CMI #SAF-3630 PULSEJET BAGHOUSE AT 56,000 CFM (300F).
SUPPLEMENT-NC3367A: 42" DIA. BY 20' HIGH CONDENSOR AT 3000 CFM TO CONTROL
EMISSIONS FROM THE SILOS AND THE DRAG CONVEYOR.

THIS PLANT IS SUBJECT TO THE REQUIREMENTS OF 40 CFR 60, SUBPART I.

BLIS ID No. WA-0036

DATE ENTERED/UPDATED: 06/18/93

COMPANY NAME/SITE LOCATION: PRINCETON PACKAGING INC.

8039 S. 192ND STREET

KENT, WA 98031-

COUNTY

DETERMINATION IS FOR A NEW SOURCE.

PERMIT NO. 3368

DETERMINATION MADE BY: PUGET SOUND AIR POLL CONTROL AGENCY, WA

(AGENCY)

CLAUDE WILLIAMS

(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 01/02/90

ESTIMATED START-UP DATE-- 03/01/90

(206) 689-4066

(PHONE)

AIRS ID NO. 033-00157

EPA ID NO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT NAME	EMISSION LIMITS (PRIMARY) (STANDARDIZED)		BACT-OTHER
			CTRL EQUIPMENT/PROCESS MODIFICATION RANKING INFORMATION	BASIS EST % EFF	

PRINTING PRESS, FLEXOGRAPHIC

0.00

PROCESS CODE 41.021

SCC CODE

VOC

CAS NO.

10.0000 % OF UNCONTROLLED

0.0000

BACT-OTHER

90.000

CATALYTIC INCINERATOR

NOTES: SOURCE TEST REQUIRED WITHIN 30 DAYS OF STARTUP.

ONE WINDMOELLER & HOELSCHER OLYMPIA 746ST 6-COLOR FLEXO PRESS (W&H PRESS
#007) WITH 1.5 MMH GAS BURNER, CONTROLLED BY A DEC-E-TECH CI-5000
CATALYTIC INCINERATOR (WITH CARULITE 100 MANGANESE DIOXIDE PELLETS).

BLIS ID No. WA-0037

DATE ENTERED/UPDATED: 06/17/93

COMPANY NAME/SITE LOCATION: HOLNAM, INC.
5400 W. MARGINAL WAY SW
SEATTLE, WA 98106-1599

COUNTY

DETERMINATION IS FOR A NEW SOURCE.

PERMIT NO. 3374

DETERMINATION MADE BY: PUGET SOUND AIR POLL CONTROL AGENCY, WA
(AGENCY)

CLAUDE WILLIAMS
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 02/23/90
ESTIMATED START-UP DATE-- 08/01/91
(206) 689-4066
(PHONE)

AIRS ID NO. 53-033-00017

EPA ID NO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT NAME	EMISSION LIMITS (PRIMARY) (STANDARDIZED)		BACT-OTHER
			CTRL EQUIPMENT/PROCESS MODIFICATION RANKING INFORMATION	BASIS	

METERING UNIT

4493.00 LB/HR

PROCESS CODE 90.006
SCC CODE

SO2
CAS NO. 7446-09-5

256.0000 TPY
0.0000

0.000

ELECTROSTATIC PRECIPITATOR

PM
CAS NO.

0.0000
0.0000

0.000

NOX
CAS NO.

0.0000
0.0000

0.000

METALS
CAS NO.

0.0000
0.0000

0.000

REPORT DATE: 07/27/93

DETAILED SOURCE LISTING (Part A)

PAGE H- 431

BLIS ID No. WA-0037

DATE ENTERED/UPDATED: 06/17/93

NOTES: SOURCE TESTING REQUIRED WITHIN 60 DAYS OF STARTUP.

ONE WRI MUP-240 TDF (TIRE DERIVED FUEL) METERING UNIT AT 4493 LB/HR (25%)
DESIGN MAXIMUM

DETERMINATION FOR A HYDRAULIC CEMENT MANUFACTURING FACILITY.

REPORT DATE: 07/27/93

DETAILED SOURCE LISTING (Part A)
BLIS ID No. WA-0038

PAGE H- 432
DATE ENTERED/UPDATED: 06/18/93

COMPANY NAME/SITE LOCATION: SNOHOMISH CITY SOLID WASTE-CATHCART
14528 HIGHWAY 9
SNOHOMISH, WA 98290-

COUNTY

DETERMINATION IS FOR A NEW SOURCE.

PERMIT NO. 3269

DETERMINATION MADE BY: PUGET SOUND AIR POLL CONTROL AGENCY, WA
(AGENCY)

CLAUDE WILLIAMS
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 09/20/89
ESTIMATED START-UP DATE-- 12/01/89
(206) 689-4066
(PHONE)

AIRS ID NO.

EPA ID NO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT NAME	EMISSION LIMITS (PRIMARY) (STANDARDIZED)		BASIS EST & EFF
			CTRL EQUIPMENT/PROCESS MODIFICATION RANKING INFORMATION		

LANDFILL - TOTAL PROCESS

450.00 BTU/CF

PROCESS CODE 21.002
SCC CODE

CO
CAS NO. 630-08-0

250.0000 TPY
0.0000
NSPS
0.000

NOX
CAS NO.

250.0000 TPY
0.0000
NSPS
0.000

NOTES: EIGHT WAUKESHA 7100 IC ENGINES OR EQUAL AT 1210 KW AND EIGHT WAUKESHA 7042
GL GENERATORS OR EQUAL AND FUELED BY LANDFILL GAS AT 450 BTU/CF, PRECEDED
BY ONE CONDENSATE KNOCKOUT/PARTICULATE FILTER AND TWO RECIPROCATING
COMPRESSORS WITH INTERCOOLERS.

THIS INSTALLATION IS SUBJECT TO THE STANDARDS & REQUIREMENTS OF SUBPART
FF, 44 FR 43152, 7/23/79, AND ARTICLE 5 OF REGULATION I.

REPORT DATE: 07/27/93

DETAILED SOURCE LISTING (Part A)

PAGE H- 433

BLIS ID No. WA-0039

DATE ENTERED/UPDATED: 06/18/93

COMPANY NAME/SITE LOCATION: KING CO. SOLID WASTE
16645 228TH AVE SE
MAPLE VALLEY, WA 98038-

COUNTY

DETERMINATION IS FOR A MODIFIED SOURCE.

PERMIT NO. 3271

DETERMINATION MADE BY: PUGET SOUND AIR POLL CONTROL AGENCY, WA
(AGENCY)

CLAUDE WILLIAMS
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 08/07/89
ESTIMATED START-UP DATE-- 12/01/89
(206) 689-4066
(PHONE)

AIRS ID NO. 033-00101

EPA ID NO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT NAME	EMISSION LIMITS (PRIMARY) (STANDARDIZED)		BASIS EST % EFF
			CTRL EQUIPMENT/PROCESS MODIFICATION RANKING INFORMATION		

FLARE, GROUND (2)

4000.00 CFM

PROCESS CODE 21-002
SCC CODE

TOXICS
CAS NO.

0.0000 ASIL*
0.0000

BACT-OTHER
0.000

NOTES: EXPANSION OF LANDFILL GAS SYSTEM WITH 72 WELLS, THREE BLOWERS AT 4000 CFM
EACH, AND TWO MCGILL (OR EQUAL) 120 MMBH LFG BURNERS WITH PROPANE PILOT,
EXHAUST AT 78,000 CFM (1400F) EACH.

* ASIL - AMBIENT SOURCE IMPACT LEVELS IN REGULATION III

REPORT DATE: 07/27/93

DETAILED SOURCE LISTING (Part A)

PAGE H- 434

BLIS ID No. WA-0040

DATE ENTERED/UPDATED: 06/18/93

COMPANY NAME/SITE LOCATION: BOEING ELECTRONICS (RENTON)

600 SW 41 ST,BLD 7.81-2,-7,-12
RENTON, WA 98055-

COUNTY

DETERMINATION IS FOR A NEW SOURCE.

PERMIT NO. NC3290

DETERMINATION MADE BY: PUGET SOUND AIR POLL CONTROL AGENCY, WA
(AGENCY)

CLAUDE WILLIAMS
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 08/09/89
ESTIMATED START-UP DATE-- 12/01/89
(206) 689-4066
(PHONE)

AIRS ID NO. 033-00202

EPA ID NO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT NAME	EMISSION LIMITS (PRIMARY) (STANDARDIZED)		BASIS EST % EFF
			CTRL EQUIPMENT/PROCESS MODIFICATION RANKING INFORMATION		

DEGREASER, VAPOR, ULTRASONIC

0.00

PROCESS CODE 49.008
SCC CODE

NONE IDENTIFIED
CAS NO.

0.0000
0.0000

BACT-OTHER
0.000

REFRIGERATED FREEBOARD CHILLER

SOLVENT BENCH

1200.00 CFM

PROCESS CODE 49.008
SCC CODE

NONE IDENTIFIED
CAS NO.

0.0000
0.0000

BACT-OTHER
0.000

ETCHER (W/ GLASS CABINETS)

0.00

PROCESS CODE 49.999
SCC CODE

NONE IDENTIFIED
CAS NO.

0.0000
0.0000

BACT-OTHER
0.000

SCRUBBER

BLIS ID No. WA-0040

- NOTES: 1. DETERMINATION IS FOR ONE BRANSON B400R (PN 927-211) ULTRASONIC VAPOR
DEGREASER (7.81-7,H3), ONE DEXON SOLVENT BENCH @ 1200 CFM (7.81-12,C3),
& ONE PLASMATHERM 730/740 ETCHER WITH GLASS CABINETS (7.81-12, RIE LAB)
CONTROLLED BY EXISTING HARRINGTON SCRUBBER. THE FOLLOWING ARE EXEMPTED
FROM PSAPCA REGISTRATION: A. BLUEPRINT EXHAUST; B. E-BEAM EVAPORATOR;
AND C. ANNEALING FURNACE.
2. DEGREASER MUST BE OPERATED AT 100% FREEBOARD RATIO AND MUST BE EQUIPPED
WITH A REFRIGERATED FREEBOARD CHILLER W/ A RATED COOLING CAPACITY OF AT
LEAST 100 BTU/HOUR/FOOT OF DEGREASER PERIMETER.
3. PERMIT COVERS BUILDINGS 7.81-2,-7,-12.

REPORT DATE: 07/27/93

DETAILED SOURCE LISTING (Part A)
BLIS ID No. WA-0041

PAGE H- 436
DATE ENTERED/UPDATED: 07/07/93

COMPANY NAME/SITE LOCATION: SALMONN BAY STEEL CORP (BIRMINGHAM)
22011 84TH S
KENT, WA 98032-

COUNTY

DETERMINATION IS FOR A NEW SOURCE.

PERMIT NO. NC3304

DETERMINATION MADE BY: PUGET SOUND AIR POLL CONTROL AGENCY, WA
(AGENCY)

CLAUDE WILLIAMS
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 01/30/90
ESTIMATED START-UP DATE-- 07/30/90
(206) 689-4066
(PHONE)

AIRS ID NO. 033-00241

EPA ID NO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT NAME	EMISSION LIMITS (PRIMARY) (STANDARDIZED) CTRL EQUIPMENT/PROCESS MODIFICATION RANKING INFORMATION	BASIS EST % EFF
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FURNACE, LADLE REFINING

80.00 TPH

PROCESS CODE 81.006

SCC CODE

PM

CAS NO.

0.0100 GRAINS/DSCF

0.0000

BACT-OTHER

0.000

10-COMPARTMENT BAGHOUSE @ 720,000 CFM

BURNER, OXYFUEL (2)

20.00 MMBH/UNIT

PROCESS CODE 11.999

SCC CODE

PM

CAS NO.

0.0100 GRAINS/DSCF

0.0000

BACT-OTHER

0.000

10-COMPARTMENT BAGHOUSE @ 720,000 CFM

NOTES: 1. DETERMINATION FOR STEEL FOUNDRY MELT SHOP (350,000 TPY) CONSISTING OF:

PHASE 1: (MODIFY NC3195) ONE BAUMCO (OR EQUAL) 10-COMPARTMENT BAGHOUSE @ 720,000 CFM; ONE 80 TPH LADLE REFINING FURNACE; AND TWO LIQUID AIR CO. OXYFUEL BURNERS AT 20 MMBH/UNIT. MELT SHOP CAPACITY INCREASED TO 350,000 TPY. ESTIMATED CONSTRUCTION TIME FROM LATE 1990 TO END OF 1991

2. VISIBLE EMISSIONS FROM THE BAGHOUSE ARE CONSIDERED EVIDENCE THAT THE BAGHOUSE IS NOT BEING MAINTAINED IN GOOD WORKING ORDER.

BLIS ID No. WA-0042

DATE ENTERED/UPDATED: 06/18/93

COMPANY NAME/SITE LOCATION: OVERHALL LAUNDRY SERVICE, INC.

7200 HARDESON RD

EVERETT, WA 98201-

COUNTY

DETERMINATION IS FOR A NEW SOURCE.

PERMIT NO. NC4459

DETERMINATION MADE BY: PUGET SOUND AIR POLL CONTROL AGENCY, WA
(AGENCY)CLAUDE WILLIAMS
(AGENCY CONTACT PERSON)DATE OF PERMIT ISSUANCE-- 05/12/92
ESTIMATED START-UP DATE-- 06/30/92
(206) 689-4066
(PHONE)

AIRS ID NO.

EPA ID NO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT NAME	EMISSION LIMITS (PRIMARY) (STANDARDIZED)		BACT-OTHER
			CTRL EQUIPMENT/PROCESS MODIFICATION RANKING INFORMATION	EST % EFF	

BOILER

350.00 HP

PROCESS CODE 11.999

SCC CODE

NOX

CAS NO.

0.1000 LB/MMBTU

0.1000 LB/MMBTU

BACT-OTHER

0.000

LO-NOX BURNER

HEATER - HOT WATER

236.00 GPM

PROCESS CODE 11.999

SCC CODE

NOX

CAS NO.

0.1000 LBS/MMBTU

0.0000

BACT-OTHER

0.000

LO-NOX BURNER

NOTES: 1. DETERMINATION IS FOR ONE BRYON RM1500 BOILER @ 350 HP AND ONE LUDELL

DC10000 HOT WATER HEATER AT 236 GPM AND 10 MMBH.

REPORT DATE: 07/27/93

DETAILED SOURCE LISTING (Part A)

PAGE H- 438

BLIS ID No. WA-0043

DATE ENTERED/UPDATED: 06/18/93

COMPANY NAME/SITE LOCATION: LAS VEGAS PAVING CORPORATION

1656 E "J" ST

TACOMA, WA 98421-

COUNTY

DETERMINATION IS FOR A NEW SOURCE.

PERMIT NO. NC3647

DETERMINATION MADE BY: PUGET SOUND AIR POLL CONTROL AGENCY, WA
(AGENCY)

CLAUDE WILLIAMS
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 09/28/90
ESTIMATED START-UP DATE-- 02/20/91
(206) 689-4066
(PHONE)

AIRS ID NO.

EPA ID NO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT NAME	EMISSION LIMITS (PRIMARY) (STANDARDIZED)		BACT-OTHER
			CTRL EQUIPMENT/PROCESS MODIFICATION RANKING INFORMATION	BASIS EST % EFF	

SOIL-HEATING/VOC FLARING TRAILER

0.00

PROCESS CODE 22.006
SCC CODE

VOC
CAS NO.

10.0000 % OPACITY
0.0000

BACT-OTHER
0.000

EMISSION CONTROL TRAILER

0.00

PROCESS CODE 22.006
SCC CODE

VOC
CAS NO.

10.0000 % OPACITY
0.0000

BACT-OTHER
0.000

A. CYCLONE, B. BAGHOUSE, & C. AFTERBURNE *

NOTES: 1. SOURCE TYPE: SOLID WASTE DISPOSAL - REFUSE INCINERATION.

2. DETERMINATION IS FOR ONE 12 TPH FALCON 105 LOW TEMPERATURE THERMAL SOIL

TREATMENT UNIT W/ TWO 40'X8' TRAILERS, (#1-SOIL-HEATING/VOC FLARING

TRAILER AND #2 EMISSION CONTROL TRAILER); #1 W/ EAGLE PROTOTYPE DUAL

PORT COUNTERFLOW DRUM W/ A FEED HOPPER & A 6300 MBH BURNER AND #2 W/ AN

AAF 225 CYCLONE; AN AAF 4-252-600 BAGHOUSE, AND A JOHNSON DHF150-G4G

PROPANE-FIRED AFTERBURNER AR 6300 MBH.

3. OPACITY FROM THIS UNIT SHALL NOT EXCEED 10% FOR MORE THAN AN AGGREGATE
OF THREE MINUTES IN ANY HOUR.

4. TEMP. IN AFTERBURNER MUST BE MAINTAINED ABOVE 1400F & CONTIN. MONITORED.

REPORT DATE: 07/27/93

DETAILED SOURCE LISTING (Part A)

PAGE H- 440
DATE ENTERED/UPDATED: 06/18/93

BLIS ID No. WA-0044

COMPANY NAME/SITE LOCATION: ASARCO, INC.

N 51ST ST & N BALTIMORE ST
RUSTON, WA 98402-

COUNTY

DETERMINATION IS FOR A NEW SOURCE.

PERMIT NO. 3652

DETERMINATION MADE BY: (AGENCY)

PUGET SOUND AIR POLL CONTROL AGENCY, WA

CLAUDE WILLIAMS
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 10/23/90
ESTIMATED START-UP DATE-- / /
(206) 689-4066
(PHONE)

AIRS ID NO.

EPA ID NO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT NAME	EMISSION LIMITS (PRIMARY) (STANDARDIZED)		BASIS EST % EFF
			CTRL EQUIPMENT/PROCESS MODIFICATION RANKING INFORMATION		

INCINERATOR, WOOD

0.00

PROCESS CODE 29.999
SCC CODE

PM
CAS NO.

0.0100 GR/DSCF
0.0000
BAGHOUSE

BACT-OTHER
99.000

NOTES: ONE CONVERTER (#1), 30' LONG BY 13' DIAMETER, TO INCINERATE WOOD;
CONTROLLED BY 11 MODULES OF A FULLER BAGHOUSE AT 220,000 CFM (MAX)
AND 44,133 CFM (EXPECTED AVG) AT 245F. BAGHOUSE FORMERLY USED TO CONTROL
THE HERRESHOFF ROASTERS (NC1629).

REPORT DATE: 07/27/93

DETAILED SOURCE LISTING (Part A)

PAGE H- 441

BLIS ID No. WA-0045

DATE ENTERED/UPDATED: 06/18/93

COMPANY NAME/SITE LOCATION: HEATH TECNA AEROSPACE CO.

7650/7837 S 196TH ST

KENT, WA 98032-

COUNTY

DETERMINATION IS FOR A NEW SOURCE.

PERMIT NO. 4342

DETERMINATION MADE BY: PUGET SOUND AIR POLL CONTROL AGENCY, WA

(AGENCY)

CLAUDE WILLIAMS

(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 03/27/92

ESTIMATED START-UP DATE-- 03/15/91

(206) 689-4066

(PHONE)

AIRS ID NO. 033-00194

EPA ID NO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT NAME	EMISSION LIMITS (PRIMARY) (STANDARDIZED)		BASIC EST % EFF
			CTRL EQUIPMENT/PROCESS MODIFICATION RANKING INFORMATION		

SPRAY BOOTH, ADHESIVE

9815.00 CFM

PROCESS CODE 41.001

SCC CODE

VOC

CAS NO.

2.4000 TPY (METHYLENE CHL.)

0.0000

CARBON ABSORBER

BACT-OTHER

0.000

NOTES: ONE BLEEKER BROS ADHESIVE SPRAY BOOTH, USING METHYLENE CHLORIDE SOLVENT AT

9,815 CFM IN PLANT 6A, ZONE 2. REFERENCE NC3594 AND NC3769.

REPORT DATE: 07/27/93

DETAILED SOURCE LISTING (Part A)

PAGE H- 442

BLIS ID No. WA-0046

DATE ENTERED/UPDATED: 06/18/93

COMPANY NAME/SITE LOCATION: UNITED GRAPHICS
21409 72ND AVE S
KENT, WA 98032-

COUNTY

DETERMINATION IS FOR A NEW SOURCE.

PERMIT NO. NC4355

DETERMINATION MADE BY: PUGET SOUND AIR POLL CONTROL AGENCY, WA
(AGENCY)

CLAUDE WILLIAMS
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 03/17/92
ESTIMATED START-UP DATE-- 04/20/92
(206) 689-4066
(PHONE)

AIRS ID NO.

EPA ID NO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT NAME	EMISSION LIMITS (PRIMARY) (STANDARDIZED)		BACT-OTHER
			CTRL EQUIPMENT/PROCESS MODIFICATION RANKING INFORMATION	EST % EFF	

PRINTING PRESS, OFFSET

4755.00 CFM

PROCESS CODE 41.023
SCC CODE

VOC
CAS NO.

0.0000
0.0000

BACT-OTHER
70.000

CATALYTIC AFTERBURNER

PRINTING PRESS, OFFSET

1623.00 CFM

PROCESS CODE 41.023
SCC CODE

VOC
CAS NO.

0.0000
0.0000

BACT-OTHER
70.000

CATALYTIC AFTERBURNER

NOTES: 1. DETERMINATION IS FOR ONE HARRIS M120C PRINTING PRESS W/ A TEC DRYER AT
4755 CFM AND ONE HARRIS M110 PRINTING PRESS W/ A TEC DRYER @ 1623 CFM
BOTH CONTROLLED BY A QUANTUM 4000 CATALYTIC AFTERBURNER @ 4000 CFM.

2. UNITED GRAPHICS MUST OPERATE AND MAINTAIN CATALYTIC AFTERBURNER W/ AN
OVERALL CAPTURE AND DESTRUCTION EFFICIENCY OF AT LEAST 70%.

BLIS ID No. WA-0047

DATE ENTERED/UPDATED: 07/06/93

COMPANY NAME/SITE LOCATION: PCL/SMI, A JOINT VENTURE
7417 4TH AVE S
SEATTLE, WA 98108-

COUNTY

DETERMINATION IS FOR A NEW SOURCE.

PERMIT NO. NC4369

DETERMINATION MADE BY: PUGET SOUND AIR POLL CONTROL AGENCY, WA
(AGENCY)

CLAUDE WILLIAMS

(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 06/12/92

ESTIMATED START-UP DATE-- 06/30/92

(206) 689-4066

(PHONE)

AIRS ID NO.

EPA ID NO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT NAME	EMISSION LIMITS (PRIMARY) (STANDARDIZED)		BACT-OTHER
			CTRL EQUIPMENT/PROCESS MODIFICATION RANKING INFORMATION	BASIS EST % EFF	

BURNER (WASTE OIL)

0.00

PROCESS CODE 11.007

SCC CODE

PM

CAS NO.

0.0000

0.0000

BACT-OTHER

0.000

BAGHOUSE @ 7400 CFM

HCL

CAS NO. 7647-01-0

0.0000

0.0000

BACT-OTHER

0.000

BAGHOUSE @ 7400 CFM

NOX

CAS NO.

0.0000

0.0000

BACT-OTHER

0.000

BAGHOUSE @ 7400 CFM

SO2

CAS NO. 7446-09-5

0.0000

0.0000

BACT-OTHER

0.000

BAGHOUSE @ 7400 CFM

REPORT DATE: 07/27/93

DETAILED SOURCE LISTING (Part A)
BLIS ID No. WA-0047

PAGE H- 444
DATE ENTERED/UPDATED: 07/06/93

SEWAGE SLUDGE DRYER, FUME INCINERATOR		7400.00 CFM (380F)	
PROCESS CODE 21.003			
SCC CODE			
VOC CAS NO.	0.0000 0.0000	BAGHOUSE @ 7400 CFM	BACT-OTHER 0.000
HEAVY METALS CAS NO.	0.0000 0.0000	BAGHOUSE @ 7400 CFM	BACT-OTHER 0.000
PM CAS NO.	0.0000 0.0000	BAGHOUSE @ 3500 CFM	BACT-OTHER 0.000
HCL CAS NO. 7647-01-0	0.0000 0.0000	BAGHOUSE @ 3500 CFM	BACT-OTHER 0.000
NOX CAS NO.	0.0000 0.0000	BAGHOUSE @ 3500 CFM	BACT-OTHER 0.000
SO2 CAS NO. 7446-09-5	0.0000 0.0000	BAGHOUSE @ 3500 CFM	BACT-OTHER 0.000
VOC CAS NO.	0.0000 0.0000	BAGHOUSE @ 3500 CFM	BACT-OTHER 0.000
HEAVY METALS CAS NO.	0.0000 0.0000	BAGHOUSE @ 3500 CFM	BACT-OTHER 0.000

REPORT DATE: 07/27/93

DETAILED SOURCE LISTING (Part A)

PAGE H- 445

BLIS ID No. WA-0047

DATE ENTERED/UPDATED: 07/06/93

SEWAGE SLUDGE DRYER, FLUE GAS RECIRCULATION		7400.00 CFM (220F)	
PROCESS CODE 21.003	PM	0.0000	BACT-OTHER
SCC CODE	CAS NO.	0.0000	0.000
		BAGHOUSE @ 3500 CFM	
	HCL	0.0000	BACT-OTHER
	CAS NO. 7647-01-0	0.0000	0.000
		BAGHOUSE @ 3500 CFM	
	NOX	0.0000	BACT-OTHER
	CAS NO.	0.0000	0.000
		BAGHOUSE @ 3500 CFM	
	SO2	0.0000	BACT-OTHER
	CAS NO. 7446-09-5	0.0000	0.000
		BAGHOUSE @ 3500 CFM	
	VOC	0.0000	BACT-OTHER
	CAS NO.	0.0000	0.000
		BAGHOUSE @ 3500 CFM	
	HEAVY METALS	0.0000	BACT-OTHER
	CAS NO.	0.0000	0.000
		BAGHOUSE @ 3500 CFM	

NOTES: 1. SOURCE TYPE: SEWAGE SLUDGE INCINERATION

2. DETERMINATION IS FOR SLUDGE DRYING PROCESS CONSISTING OF ONE INDUSTRIAL

COMBUSTION WASTE OIL MODEL D BURNER, ONE DM210-S INDUSTRIAL COMBUSTION

FUME INCINERATION @ 7400 CFM (380F), FLUE GAS RECIRCULATION @ 373 CFM

(220F), AND ACID GAS CONTROL @ 7400 CFM (380F) W/ ONE MIKROPUL CFH-42-C

BAGHOUSE @ 7400 CFM AND TWO MIKROPUL CFH-6 BAGHOUSES @ 3500 CFM EACH.

3. RWS SHALL NOT OPERATE THIS PLANT AFTER JUNE 30, 1997 UNDER THIS NC4369

PERMIT.

COMPANY NAME/SITE LOCATION: GATX TANK STORAGE TERMINALS CORPORATION

1733 ALASKAN WY S (PIER 34)

SEATTLE, WA 98134-

COUNTY

DATE OF PERMIT ISSUANCE-- 04/02/92

ESTIMATED START-UP DATE-- 06/17/92

(206) 689-4066

(PHONE)

DETERMINATION IS FOR A MODIFIED SOURCE.

PERMIT NO. 4376

DETERMINATION MADE BY: PUGET SOUND AIR POLL CONTROL AGENCY, WA

CLAUDE WILLIAMS

(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 04/02/92

ESTIMATED START-UP DATE-- 06/17/92

(206) 689-4066

(PHONE)

AIRS ID NO.

EPA ID NO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT NAME	EMISSION LIMITS (PRIMARY) (STANDARDIZED)		BASIS EST % EFF
			CTRL EQUIPMENT/PROCESS MODIFICATION RANKING INFORMATION		

MATERIAL STORAGE, BULK TERMINALS	0.00				
PROCESS CODE 42.002		VOC	0.0000		BACT-OTHER
SCC CODE		CAS NO.	0.0000		0.000

NOTES: THREE CONE ROOF TANKS WITH INTERNAL FLOATING ROOFS & A LOADING RACK FOR STORAGE AND HANDLING OF ALCOHOL (CONVERTED FROM EXISTING TANKS).

REPORT DATE: 07/27/93

DETAILED SOURCE LISTING (Part A)

PAGE H- 447

BLIS ID No. WA-0049

DATE ENTERED/UPDATED: 06/22/93

COMPANY NAME/SITE LOCATION: ST. CLARE HOSPITAL
11315 BRIDGEPORT WY SW
TACOMA, WA 98499-

COUNTY

DETERMINATION IS FOR A MODIFIED SOURCE.

PERMIT NO. 4377

DETERMINATION MADE BY: PUGET SOUND AIR POLL CONTROL AGENCY, WA
(AGENCY)

CLAUDE WILLIAMS
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 04/15/92
ESTIMATED START-UP DATE-- 04/15/93
(206) 689-4066
(PHONE)

AIRS ID NO.

EPA ID NO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT NAME	EMISSION LIMITS (PRIMARY) (STANDARDIZED)		BASIC EST & EFF
			CTRL EQUIPMENT/PROCESS MODIFICATION RANKING INFORMATION		

STERILIZATION, ETHYLENE OXIDE

50.00 CFM @ 330F

PROCESS CODE 99.008

SCC CODE

ETO

CAS NO. 75-21-8

0.0000

0.0000

BACT-OTHER

0.000

ETHYLENE OXIDE ABATOR

NOTES: ONE DONALDSON 50A ETHYLENE OXIDE ABATOR AT 50 CFM (330F) CONNECTED TO
STERILIZER.

THIS FACILITY MUST COMPLY WITH SECTION 3.07 OF REGULATION III.

IT IS UNLAWFUL FOR ST. CLARE HOSPITAL TO DISCHARGE ETHYLENE OXIDE IN THE
STERILIZER EXHAUST VACUUM PUMP WORKING FLUID TO THE WASTE WATER STREAM.

BLIS ID No. WA-0050

DATE ENTERED/UPDATED: 12/07/92

COMPANY NAME/SITE LOCATION: BOEING COMMERCIAL AIRPLANE-FREDERKSN

6222 184TH ST E

PUYALLUP, WA 98373-

COUNTY

DETERMINATION IS FOR A NEW SOURCE.

PERMIT NO. 4382

DETERMINATION MADE BY: PUGET SOUND AIR POLL CONTROL AGENCY, WA
(AGENCY)CLAUDE WILLIAMS
(AGENCY CONTACT PERSON)DATE OF PERMIT ISSUANCE-- 04/02/92
ESTIMATED START-UP DATE-- 04/30/92
(206) 689-4066
(PHONE)

AIRS ID NO.

EPA ID NO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT NAME	EMISSION LIMITS (PRIMARY) (STANDARDIZED)		BACT-OTHER
			CTRL EQUIPMENT/PROCESS MODIFICATION RANKING INFORMATION	BASIS EST % EFF	

BOILERS (2)

0.00

PROCESS CODE 11.004
SCC CODENOX (FROM NAT GAS)
CAS NO.0.1000 LB/MMBTU
0.1000 LB/MMBTU
LO-NOX BURNERBACT-OTHER
0.000NOX (FROM #2 OIL)
CAS NO.0.2000 LB/MMBTU
0.2000 LB/MMBTU
LO-NOX BURNERBACT-OTHER
0.000NOTES: TWO GAS FIRED CLEAVER BROOKS CB200-800-150 BOILERS @ 26 MMBTU/HR OUTPUT IN
THE 24-40 BUILDING.

THESE BOILERS ARE SUBJECT TO 40 CFR 60, SUBPART DC.

THIS NC4382 SUPERCEDES NC3909 WITH RESPECT TO THE REQUIREMENT TO INSTALL A
NOX CEM SYSTEM.

BLIS ID No. WA-0051

DATE ENTERED/UPDATED: 06/18/93

COMPANY NAME/SITE LOCATION: ASBESTOS CONVERSION SYSTEMS

1221 2ND AVE N
KENT, WA 98032-

COUNTY

DETERMINATION IS FOR A NEW SOURCE.

PERMIT NO. 4404

DETERMINATION MADE BY: PUGET SOUND AIR POLL CONTROL AGENCY, WA
(AGENCY)CLAUDE WILLIAMS
(AGENCY CONTACT PERSON)DATE OF PERMIT ISSUANCE-- 04/15/92
ESTIMATED START-UP DATE-- 06/30/92
(206) 689-4066
(PHONE)

AIRS ID NO.

EPA ID NO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT NAME	EMISSION LIMITS (PRIMARY) (STANDARDIZED)		BASIS EST % EFF
			CTRL EQUIPMENT/PROCESS MODIFICATION RANKING INFORMATION		

FURNACE, ASBESTOS CONVERSION

1000.00 CFM @ (800F)

PROCESS CODE 22.999

SCC CODE

ASBESTOS

CAS NO. 1332-21-4

0.0000

0.0000

NESHAPS

0.000

HEPA FILTER

NOTES: A PROTOTYPE MOBILE LABORATORY TEST/DEMONSTRATION UNIT AT 1000 CFM (800F)

FOR CONVERSION OF ASBESTOS CONTAINING MATERIALS TO NON-TOXIC, NON-FIBROUS
NATURALLY OCCURRING MATERIALS. THE UNIT CONSISTS OF AN ASBESTOS CONVERSION
FURNACE AND A HEPA FILTER SYSTEM.THIS SYSTEM MUST MEET THE REQUIREMENTS OF SECTION 152 OF 40 CFR 61,
SUBPART M.

REPORT DATE: 07/27/93

DETAILED SOURCE LISTING (Part A)

PAGE H- 450

BLIS ID No. WA-0052

DATE ENTERED/UPDATED: 12/02/92

COMPANY NAME/SITE LOCATION: OCCIDENTAL CHEMICAL CORPORATION
605 ALEXANDER AVENUE
TACOMA, WA 98421-

COUNTY

DETERMINATION IS FOR A MODIFIED SOURCE.

PERMIT NO. 4406

DETERMINATION MADE BY: PUGET SOUND AIR POLL CONTROL AGENCY, WA
(AGENCY)

CLAUDE WILLIAMS
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 04/16/92
ESTIMATED START-UP DATE-- 06/08/92
(206) 689-4066
(PHONE)

AIRS ID NO. 053-00002

EPA ID NO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT NAME	EMISSION LIMITS (PRIMARY) (STANDARDIZED)		BASIS EST % EFF
			CTRL EQUIPMENT/PROCESS MODIFICATION RANKING INFORMATION		

BOILER

0.00

PROCESS CODE 11.004
SCC CODE

NOX
CAS NO.

0.0000
0.0000

BACT-OTHER
0.000

FUEL CHANGE TO BURN HYDROGEN

NOTES: CONVERT EXISTING #4 B&W F-1275 BOILER (70.6 MMBTU/HR) TO FIRE HYDROGEN IN
ADDITION TO NATURAL GAS AND #6 FUEL OIL.

REPORT DATE: 07/27/93

DETAILED SOURCE LISTING (Part A)

PAGE H- 451

BLIS ID No. WA-0053

DATE ENTERED/UPDATED: 06/23/93

COMPANY NAME/SITE LOCATION: ENVIRO-KLEAN SOIL, INC.

208 SE BENSON RD

KENT, WA 98031-

COUNTY

DETERMINATION IS FOR A NEW SOURCE.

PERMIT NO. 4427

DETERMINATION MADE BY: PUGET SOUND AIR POLL CONTROL AGENCY, WA

(AGENCY)

CLAUDE WILLIAMS

(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 04/14/92

ESTIMATED START-UP DATE-- 10/14/92

(206) 689-4066

(PHONE)

AIRS ID NO.

EPA ID NO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT NAME	EMISSION LIMITS (PRIMARY) (STANDARDIZED)		BASIS EST % EFF
			CTRL EQUIPMENT/PROCESS MODIFICATION RANKING INFORMATION		

THERMAL PROCESSING SYSTEM

2.00 MMBTU/HR

PROCESS CODE 22.006

SCC CODE

VOC

CAS NO.

0.0000

0.0000

BACT-OTHER

0.000

THERMAL OXIDIZER

VE

CAS NO.

0.0000

0.0000

BACT-OTHER

0.000

RADIAL FAN, BAGHOUSE, CYCLONE

NOTES: SOIL REMEDIATION WITH A THERMAL PROCESSING SYSTEM WITH A CAPACITY OF TWO MILLION BTU/HR (1500F), A THERMAL OXIDIZER AT 2800 CFM (1200F), AND A RADIAL N.Y. BROWER FAN AT 648 CFM WITH A DONALDSON MODEL 16 BAGHOUSE AND A CYCLONE.

THIS FACILITY MUST MEET THE REQUIREMENTS OF ARTICLE 12 OF REGULATION 1 FOR OPACITY CEM; MUST ONLY PROCESS PCS < 3% PETROLEUM HC BY WEIGHT.

THE THERMAL OXIDIZER TEMPERATURE MUST BE MAINTAINED ABOVE 1400F WHILE IN OPERATION.

REPORT DATE: 07/27/93

DETAILED SOURCE LISTING (Part A)

PAGE H- 453

BLIS ID No. WA-0054

DATE ENTERED/UPDATED: 06/23/93

COMPANY NAME/SITE LOCATION: SEGALE M A INC. (#2601)
18500 SOUTH CENTER PKY
TUKWILA, WA 98188-

COUNTY

DETERMINATION IS FOR A MODIFIED SOURCE.

PERMIT NO. 4457

DETERMINATION MADE BY: PUGET SOUND AIR POLL CONTROL AGENCY, WA
(AGENCY)

CLAUDE WILLIAMS
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 04/30/92
ESTIMATED START-UP DATE-- 06/25/92
(206) 689-4066
(PHONE)

AIRS ID NO.

EPA ID NO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT NAME	EMISSION LIMITS (PRIMARY) (STANDARDIZED)	CTRL EQUIPMENT/PROCESS MODIFICATION RANKING INFORMATION	BASIS EST % EFF
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DRUM MIX ASPHALT PLANT, PORTABLE

540.00 TPH

PROCESS CODE 90.003
SCC CODE

VE
CAS NO.

0.0000
0.0000

BACT-OTHER
0.000

VENTURI SCRUBBER

PM
CAS NO.

0.0000
0.0000

BACT-OTHER
0.000

VENTURI SCRUBBER

NOTES: PORTABLE MS400 DRUM MIX ASPHALT PLANT, CAPACITY 540 TPH.

MINIMUM OF 20" DROP AT VENTURI SCRUBBER.

REPORT DATE: 07/27/93

DETAILED SOURCE LISTING (Part A)

PAGE H- 454

BLIS ID No. WA-0055

DATE ENTERED/UPDATED: 06/23/93

COMPANY NAME/SITE LOCATION: PEMCO

2941 148TH DRIVE NE
BELLEVUE, WA 98007-

COUNTY

DETERMINATION IS FOR A NEW SOURCE.

PERMIT NO. 4468

DETERMINATION MADE BY: PUGET SOUND AIR POLL CONTROL AGENCY, WA
(AGENCY)

CLAUDE WILLIAMS
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 05/06/92
ESTIMATED START-UP DATE-- 06/08/92
(206) 689-4066
(PHONE)

AIRS ID NO.

EPA ID NO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT NAME	EMISSION LIMITS (PRIMARY) (STANDARDIZED)		BACT-OTHER
			CTRL EQUIPMENT/PROCESS MODIFICATION RANKING INFORMATION	BASIS EST % EFF	

SOIL REMEDIATION UNIT

25.00 TPH

PROCESS CODE 22.006

SCC CODE

VOC

CAS NO.

0.0000

0.0000

BACT-OTHER

0.000

AFTERBURNER AND REVERSE AIR BAGHOUSE

VE

CAS NO.

0.0000

0.0000

BACT-OTHER

0.000

AFTERBURNER AND REVERSE AIR BAGHOUSE

NOTES: ONE 25 TPH MOBILE SOIL REMEDIATION UNIT AT 25 MMBH & 10,000 CFM (350F),
CONTROLLED BY A REVERSE AIR BAGHOUSE AT 10,000 CFM & A DIESEL OIL-FIRED
AFTERBURNER AT 22 MMBH.

THE FACILITY MUST USE PCS < 3% PETROLEUM HC BY WEIGHT; MUST MAINTAIN
OXIDIZER TEMPERATURE ABOVE 1400F DURING OPERATION; MUST MEET THE
REQUIREMENTS OF ARTICLE 12 OF REGULATION 1 FOR OPACITY CEM.

REPORT DATE: 07/27/93

DETAILED SOURCE LISTING (Part A)

PAGE H- 455

BLIS ID No. WA-0056

DATE ENTERED/UPDATED: 06/23/93

COMPANY NAME/SITE LOCATION: WOODWORTH & CO. (LAKEVIEW)

2800 104TH ST CT S

TACOMA, WA 98444-

COUNTY

DETERMINATION IS FOR A MODIFIED SOURCE.

PERMIT NO. 4471

DETERMINATION MADE BY: PUGET SOUND AIR POLL CONTROL AGENCY, WA
(AGENCY)

CLAUDE WILLIAMS
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 06/01/92
ESTIMATED START-UP DATE-- 06/15/92
(206) 689-4066
(PHONE)

AIRS ID NO.

EPA ID NO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT NAME	EMISSION LIMITS (PRIMARY) (STANDARDIZED)	
			CTRL EQUIPMENT/PROCESS MODIFICATION RANKING INFORMATION	BASIS EST & EFF

SOIL REMEDIATION UNIT

30.00 TPH

PROCESS CODE 22.006
SCC CODE

VE	0.0000	BACT-OTHER
CAS NO.	0.0000	0.000
	THERMO OXIDIZER, BAGHOUSE, AND AN AFTERB	*
PM	0.0200 GR/SCF	BACT-OTHER
CAS NO.	0.0000	0.000
	THERMO OXIDIZER, BAGHOUSE, AND AFTERBURN	*
VOC	0.0000	BACT-OTHER
CAS NO.	0.0000	0.000
	THERMO OXIDIZER, BAGHOUSE, AND AFTERBURN	*
NOX	0.0000	BACT-OTHER
CAS NO.	0.0000	0.000
	THERMO OXIDIZER, BAGHOUSE, AND AFTERBURN	*

DETAILED SOURCE LISTING (Part A)
BLIS ID No. WA-0056

REPORT DATE: 07/27/93

NOTES: ONE CEDARRAPIDS SOIL D564T REMEDIATION UNIT AT 30 TPH INCLUDING A THERMO
OXIDIZER AT 52,000 CFM (1600F), A BAGHOUSE AT 3520 CFM, A HAUCK SJ150
DRYER AT 12,000 CFM (300F), AND AN AFTERBURNER.

THIS FACILITY MUST MEET THE REQUIREMENTS OF ARTICLE 12 OF REGULATION 1 FOR
OPACITY CEM; MUST ONLY PROCESS PCS < 3% PETROLEUM HC BY WEIGHT; MUST
MAINTAIN A TEMPERATURE OF 1400F WHILE OPERATING THERMAL OXIDIZER.

REPORT DATE: 07/27/93

DETAILED SOURCE LISTING (Part A)

PAGE H- 457

BLIS ID No. WA-0057

DATE ENTERED/UPDATED: 07/07/93

COMPANY NAME/SITE LOCATION: SALMON BAY STEEL CORPORATION
2424 SW ANDOVER ST
SEATTLE, WA 98106-

COUNTY

DETERMINATION IS FOR A MODIFIED SOURCE.

PERMIT NO. 4492

DETERMINATION MADE BY: PUGET SOUND AIR POLL CONTROL AGENCY, WA
(AGENCY)

CLAUDE WILLIAMS
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 06/16/92
ESTIMATED START-UP DATE-- 10/30/92
(206) 689-4066
(PHONE)

AIRS ID NO. 033-00006

EPA ID NO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT NAME	EMISSION LIMITS (PRIMARY) (STANDARDIZED)		BASIC EST % EFF
			CTRL EQUIPMENT/PROCESS MODIFICATION RANKING INFORMATION		

FURNACE, REHEAT

32400.00 CFM

PROCESS CODE 81.006
SCC CODE

NOX
CAS NO.

0.2500 LB/MMBTU
0.0000
LO-NOX BURNER

BACT-OTHER
0.000

NOTES: REPLACE AN EXISTING REHEAT FURNACE WITH A NEW BRIGHMONT REHEAT FURNACE WITH
A NATURAL GAS FIRED LO-NOX BLOOM BURNER AT 32,400 CFM (500F).

REPORT DATE: 07/27/93

DETAILED SOURCE LISTING (Part A)

PAGE H- 458

BLIS ID No. WA-0058

DATE ENTERED/UPDATED: 07/07/93

COMPANY NAME/SITE LOCATION: SALMON BAY STEEL CORPORATION - WEST SEATTLE

2424 SW ANDOVER STREET

SEATTLE, WA 98106-

COUNTY

DETERMINATION IS FOR A MODIFIED SOURCE.

PERMIT NO. 4493

DETERMINATION MADE BY: PUGET SOUND AIR POLL CONTROL AGENCY, WA
(AGENCY)

CLAUDE WILLIAMS
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 05/26/92
ESTIMATED START-UP DATE-- 10/30/93
(206) 689-4066
(PHONE)

AIRS ID NO. 033-00006

EPA ID NO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT NAME	EMISSION LIMITS (PRIMARY) (STANDARDIZED)	
			CTRL EQUIPMENT/PROCESS MODIFICATION RANKING INFORMATION	BASIS EST % EFF

FURNACE, ELECTRIC ARC

0.00

PROCESS CODE 81.006
SCC CODE

PM
CAS NO.

0.0000
0.0000
BACT-OTHER
0.000

LOW TEMPERATURE BAGHOUSE AND BAUMCO BAGH *

VE
CAS NO.

0.0000
0.0000
BACT-OTHER
0.000

LOW TEMP. BAGHOUSE & BAUMCO BAGHOUSE

NOTES: REMOVE ONE HIGH TEMPERATURE BAGHOUSE AT 200,000 CFM, MODIFY EXISTING
LOW TEMPERATURE BAGHOUSE (200,000 CFM), AND RELOCATE A BAUMCO BAGHOUSE
WITH HOODS AND DUCTS AT 642,600 CFM (140F) FROM THE KENT PLANT.

REPORT DATE: 07/27/93

DETAILED SOURCE LISTING (Part A)

PAGE H- 459

BLIS ID No. WA-0059

DATE ENTERED/UPDATED: 06/18/93

COMPANY NAME/SITE LOCATION: U.S. NAVY UNDERSEA WARFARE ENGINEERING

HWY 308

KEYPORT, WA 98345-

COUNTY

DETERMINATION IS FOR A MODIFIED SOURCE.

PERMIT NO. 4494

DETERMINATION MADE BY: PUGET SOUND AIR POLL CONTROL AGENCY, WA

(AGENCY)

CLAUDE WILLIAMS

(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 06/01/92

ESTIMATED START-UP DATE-- 01/01/93

(206) 689-4066

(PHONE)

AIRS ID NO. 035-00001

EPA ID NO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT NAME	EMISSION LIMITS (PRIMARY) (STANDARDIZED)		BASIC EST % EFF
			CTRL EQUIPMENT/PROCESS MODIFICATION RANKING INFORMATION		

PLATING, PRECIOUS METALS/COPPER

25163.00 CFM

PROCESS CODE 99.013

SCC CODE

VOC

CAS NO.

0.0000

0.0000

BACT-OTHER

0.000

VENTILATION HOOD

NOTES: INSTALL AN ADDITIONAL VENTILATION HOOD OVER TANKS 6,7,8 IN THE DEEP SINK
ROOM OF THE MARK 48 TORPEDO SHOP IN BLDG. 514, INCREASING CFM BY 4,000 TO
25,163 CFM.

TANKS USING VOC SHALL BE COVERED WHEN NOT BEING LOADED OR UNLOADED.

REPORT DATE: 07/27/93

DETAILED SOURCE LISTING (Part A)

PAGE H- 460

BLIS ID No. WA-0060

DATE ENTERED/UPDATED: 06/23/93

COMPANY NAME/SITE LOCATION: CHEVRON OIL
2751 1ST AVE S
SEATTLE, WA

COUNTY

DETERMINATION IS FOR A NEW SOURCE.

PERMIT NO. 4498

DETERMINATION MADE BY: PUGET SOUND AIR POLL CONTROL AGENCY, WA
(AGENCY)

CLAUDE WILLIAMS
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 05/19/92
ESTIMATED START-UP DATE-- 06/15/92
(206) 689-4066
(PHONE)

AIRS ID NO.

EPA ID NO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT NAME	EMISSION LIMITS (PRIMARY) (STANDARDIZED)		BACT-OTHER
			CTRL EQUIPMENT/PROCESS MODIFICATION RANKING INFORMATION	BASIS EST % EFF	

SOIL REMEDIATION, MOBILE UNIT

25.00 TPH

PROCESS CODE 22.006
SCC CODE

VE
CAS NO.

BACT-OTHER
0.000

REVERSE AIR BAGHOUSE, AFTERBURNER

VOC
CAS NO.

BACT-OTHER
0.000

REVERSE AIR BAGHOUSE, AFTERBURNER

PM
CAS NO.

BACT-OTHER
0.000

REVERSE AIR BAGHOUSE, AFTERBURNER

NOX
CAS NO.

BACT-OTHER
0.000

REVERSE AIR BAGHOUSE, AFTERBURNER

NOTES: ONE 25 TPH MOBILE SOIL REMEDIATION UNIT AT 25 MMBH AND 10,000 CFM (350F),
CONTROLLED BY A REVERSE AIR BAGHOUSE AT 10,000 CFM & A DIESEL OIL-FIRED
AFTERBURNER AT 22 MMBH.

THIS FACILITY MUST ONLY PROCESS PCS < 3% PETROLEUM HC BY WEIGHT; MUST
MAINTAIN THE THERMAL OXIDIZER TEMPERATURE ABOVE 1400F WHILE IN OPERATION;
MUST MEET THE REQUIREMENTS OF ARTICLE 12 OF REGULATION 1 FOR OPACITY CEM.

COMPANY NAME/SITE LOCATION: SOUND REFINING INC. (DIV. OF CRYSEN)
2628 MARINE VW DRIVE
TACOMA, WA 98422-

COUNTY

DETERMINATION IS FOR A NEW SOURCE.
PERMIT NO. 4535

DETERMINATION MADE BY: PUGET SOUND AIR POLL CONTROL AGENCY, WA
(AGENCY)

CLAUDE WILLIAMS
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 06/18/92
ESTIMATED START-UP DATE-- 12/01/92
(206) 689-4066
(PHONE)

AIRS ID NO. 053-00021

EPA ID NO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT NAME	EMISSION LIMITS (PRIMARY) (STANDARDIZED)		BASIS EST % EFF
			CTRL EQUIPMENT/PROCESS MODIFICATION RANKING INFORMATION		
BOILER	0.00				
PROCESS CODE 11.004 SCC CODE		NOX CAS NO.	0.1000 LB/MMBTU 0.1000 LB/MMBTU LO-NOX BURNER		BACT 0.000

NOTES: ONE CB 200-500-250 NATURAL GAS FIRED BOILER (REFERENCE NC 3893).
THIS BOILER IS SUBJECT TO 40 CFR 60, SUBPART DC AND REG. I, SEC. 9.14.

REPORT DATE: 07/27/93

DETAILED SOURCE LISTING (Part A)

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BLIS ID No. WA-0062

DATE ENTERED/UPDATED: 06/22/93

COMPANY NAME/SITE LOCATION: VALLEY MEDICAL CENTER
400 S 43RD ST
RENTON, WA 98055-

COUNTY

DETERMINATION IS FOR A NEW SOURCE.

PERMIT NO. 4549

DETERMINATION MADE BY: PUGET SOUND AIR POLL CONTROL AGENCY, WA
(AGENCY)

CLAUDE WILLIAMS
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 06/26/92
ESTIMATED START-UP DATE-- 08/30/93
(206) 689-4066
(PHONE)

AIRS ID NO.

EPA ID NO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT NAME	EMISSION LIMITS (PRIMARY) (STANDARDIZED)		BACT-OTHER EST % EFF
			CTRL EQUIPMENT/PROCESS MODIFICATION RANKING INFORMATION	BASIS	

STERILIZER, ETHYLENE OXIDE

110.00 CFM

PROCESS CODE 99.008

SCC CODE

ETO

CAS NO.

0.0000

0.0000

BACT-OTHER

0.000

ETHYLENE OXIDE CATALYTIC AFTERBURNER

NOTES: ONE EP01-000 ETHYLENE OXIDE CATALYTIC AFTERBURNER AT 110 CFM (500F).

VALLEY MEDICAL CENTER MAY NOT CAUSE OR ALLOW THE DISCHARGE OF ETHYLENE
OXIDE IN THE STERILIZER EXHAUST VACUUM PUMP WORKING FLUID TO THE WASTE
WATER STREAM.

REPORT DATE: 07/27/93

DETAILED SOURCE LISTING (Part A)

PAGE H- 464

BLIS ID No. WA-0063

DATE ENTERED/UPDATED: 06/23/93

COMPANY NAME/SITE LOCATION: REMEDCO, INC.
14905 237TH PLACE SE
ISSAQUAH, WA 98027-

COUNTY

DETERMINATION IS FOR A NEW SOURCE.

PERMIT NO. 4552

DETERMINATION MADE BY: PUGET SOUND AIR POLL CONTROL AGENCY, WA
(AGENCY)

CLAUDE WILLIAMS
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 06/29/92
ESTIMATED START-UP DATE-- 09/15/92
(206) 689-4066
(PHONE)

AIRS ID NO.

EPA ID NO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT NAME	EMISSION LIMITS (PRIMARY) (STANDARDIZED)		
			CTRL EQUIPMENT/PROCESS MODIFICATION RANKING INFORMATION	BASIS EST % EFF	

DESORPTION, THERMAL, MOBILE

0.00

PROCESS CODE 22.006

SCC CODE

VOC

CAS NO.

0.0000

0.0000

BACT-OTHER

0.000

THERMAL OXIDIZER, STANSTEEL BAGHOUSE

VE

CAS NO.

0.0000

0.0000

BACT-OTHER

0.000

THERMAL OXIDIZER, STANSTEEL BAGHOUSE

NOTES: THERMAL REMEDIATION UNIT INCLUDING A HAUCK BURNER AT 18,000 CFM (500F),
ROTARY KILN AT 37 MBTU/HR, A THERMAL OXIDIZER AT 18,000 CFM CONNECTED
TO A STANSTEEL BAGHOUSE.

THIS FACILITY MUST ONLY PROCESS PCS < 3% PETROLEUM HC BY WEIGHT; MUST
MAINTAIN THE THERMAL OXIDIZER ABOVE 1400F DURING OPERATION; MUST MEET
THE REQUIREMENTS OF ARTICLE 12 OF REGULATION 1 FOR OPACITY CEM.

BLIS ID No. WA-0064

DATE ENTERED/UPDATED: 06/18/93

COMPANY NAME/SITE LOCATION: TEXACO
6200 CORSON AVE S
SEATTLE, WA 98108-

COUNTY

DETERMINATION IS FOR A NEW SOURCE.

PERMIT NO. NC10461

DETERMINATION MADE BY: PUGET SOUND AIR POLL CONTROL AGENCY, WA
(AGENCY) CLAUDE WILLIAMS
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 10/10/91
ESTIMATED START-UP DATE-- 04/10/92
(206) 689-4066
(PHONE)

AIRS ID NO.

EPA ID NO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT NAME	EMISSION LIMITS (PRIMARY) (STANDARDIZED)		BACT-OTHER
			CTRL EQUIPMENT/PROCESS MODIFICATION RANKING INFORMATION	BASIS	

MATERIAL STORAGE, UNDERGROUND TANK, GASOLINE

10000.00 GALLONS EACH

PROCESS CODE 42.002

SCC CODE

VOC

CAS NO.

0.0000

0.0000

BACT-OTHER

0.000

STAGE 1 & 2 VAPOR RECOVERY USING 2-POINT *

MATL TRANSFER/HAND, NOZZLES

0.00

PROCESS CODE 42.002

SCC CODE

VOC

CAS NO.

0.0000

0.0000

BACT-OTHER

0.000

BALANCE STYLE DISPENSER WITH HIGH HANG

NOTES: 1. SOURCE TYPE: GASOLINE DISPENSING STATION.

2. DETERMINATION IS FOR STAGE 1 & 2 VAPOR RECOVERY USING OPW 233 2-POINT

SYSTEM ON THREE 10,000 GALLON UNDERGROUND GASOLINE STORAGE TANKS, AND

34 OPW 111V NOZZLES ON A BALANCE STYLE DISPENSER WITH HIGH HANG.

3. STAGE 2 VAPOR RECOVERY SYSTEM SHALL BE OPERABLE BY MAY 01, 1992.

4. APPLICABLE REGULATIONS: REGULATION II, SECTION 2.07.

BLIS ID No. WA-0065

DATE ENTERED/UPDATED: 06/23/93

COMPANY NAME/SITE LOCATION: ASH GROVE CEMENT WEST INC.

3801 E MARGINAL WAY S

SEATTLE, WA 98134-1113

COUNTY

DETERMINATION IS FOR A NEW SOURCE.

PERMIT NO. 3382

DETERMINATION MADE BY: PUGET SOUND AIR POLL CONTROL AGENCY, WA
(AGENCY)

CLAUDE WILLIAMS

(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 06/19/93

ESTIMATED START-UP DATE-- 01/01/93

(206) 689-4066

(PHONE)

AIRS ID NO.

EPA ID NO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT NAME	EMISSION LIMITS (PRIMARY) (STANDARDIZED)	
			CTRL EQUIPMENT/PROCESS MODIFICATION RANKING INFORMATION	BASIS EST % EFF

CEMENT PLANT

92.00 TPH

PROCESS CODE 90.028
SCC CODE

CO	100.0000 PPM	BACT-OTHER
CAS NO. 630-08-0	0.0000	0.000
	CEM	

NOX	668.0000 PPM	BACT-OTHER
CAS NO.	0.0000	0.000
	CEM	

S02	33.0000 PPM	BACT-OTHER
CAS NO. 7446-09-5	0.0000	0.000
	CEM	

PM	0.0100 GR/DSCF	BACT-OTHER
CAS NO.	0.0000	99.900
	BAGHOUSES (24)	

VE	5.0000 %/HR OPACITY	BACT-OTHER
CAS NO.	0.0000	0.000
	CEM	

NOTES: ONE DRY PROCESS 92 TPH (2200 TPD, 750,000 TPY) COAL-FIRED CEMENT PLANT
WITH BAGHOUSE CONTROL AT 177,000 CFM.

THIS FACILITY IS SUBJECT TO SUBPART F OF 40 CFR 60, ARTICLE 12 OF
REGULATION 1, AND SECTION 6.08 OF REGULATION 1.

EMISSIONS FROM MAIN BAGHOUSE MUST NOT EXCEED THE FOLLOWING LIMITS:

- A) CO: 1000 PPM @ 10% OXYGEN, 538 PPH 8-HR AVE., AND 2353 TPY; B) NOX:
668 PPM @ 10% O2 1-HR, 590 PPH, 422 PPH (24-HR AVE), 478 PPM @ 10% O2 - 24
HR, AND 1846 TPY; C) SO2: 33 PPM @ 10% O2 - 1 HR, 40 PPH AND 176 TPY;
D) PM: 10.6 PPH AND 46 TPY.

BLIS ID No. WA-0066

DATE ENTERED/UPDATED: 07/07/93

COMPANY NAME/SITE LOCATION: ADVANCED TECHNOLOGY LABORATORIES

22100 BOTHELL HWY SE
BOTHELL, WA 98041-3003

COUNTY

DETERMINATION IS FOR A NEW SOURCE.

PERMIT NO. NC3405

DETERMINATION MADE BY: PUGET SOUND AIR POLL CONTROL AGENCY, WA
(AGENCY)CLAUDE WILLIAMS
(AGENCY CONTACT PERSON)DATE OF PERMIT ISSUANCE-- 01/04/90
ESTIMATED START-UP DATE-- / /
(206) 689-4066
(PHONE)

AIRS ID NO. 061-00015

EPA ID NO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT NAME	EMISSION LIMITS (PRIMARY) (STANDARDIZED)		BASIS EST & EFF
			CTRL EQUIPMENT/PROCESS MODIFICATION RANKING INFORMATION		

BOILER, HYDRONIC

0.00

PROCESS CODE 11.999
SCC CODENONE IDENTIFIED
CAS NO.0.0000
0.0000BACT-OTHER
0.000

BOILER, HYDRONIC

0.00

PROCESS CODE 11.999
SCC CODENONE IDENTIFIED
CAS NO.0.0000
0.0000BACT-OTHER
0.000

DEGREASER, VAPOR (7)

0.00

PROCESS CODE 49.008
SCC CODENONE IDENTIFIED
CAS NO.0.0000
0.0000BACT-OTHER
0.000

UPGRADE OF FREEBOARD RATIO FOR DEGREASER *

BLIS ID No. WA-0066

DATE ENTERED/UPDATED: 07/07/93

BLAST BOOTH, ABRASIVE (2)	0.00				
PROCESS CODE 41.999		NONE IDENTIFIED	0.0000	BACT-OTHER	
SCC CODE		CAS NO.	0.0000		0.000
			DUST COLLECTORS (2)		
PLATING/ETCHING CONSOLE	0.00				
PROCESS CODE 99.013		NONE IDENTIFIED	0.0000	BACT-OTHER	
SCC CODE		CAS NO.	0.0000		0.000
FUME HOODS (11)	0.00				
PROCESS CODE 41.999		NONE IDENTIFIED	0.0000	BACT-OTHER	
SCC CODE		CAS NO.	0.0000		0.000
OVEN, CURING (7)	0.00				
PROCESS CODE 41.999		NONE IDENTIFIED	0.0000	BACT-OTHER	
SCC CODE		CAS NO.	0.0000		0.000

NOTES: 1. DETERMINATION IS FOR ONE TELEDYNE LAARS HJ1446 HYDRONIC BOILER @ 1.1
MMBH, ONE TELEDYNE LAARS HJ1666 HYDRONIC BOILER @ 1.25 MMBH, SEVEN
VAPOR DEGREASERS (2 BRANSON-#B250-RS & #B125-R; 5 BARON-BLAAKESLEE
4-#MLR 120 & MRL216), TWO PENWALT MODEL K ABRASIVE BOOTHS WITH TWO
TORIT 64 DUST COLLECTORS, ONE PLATING/ETCHING CONSOLE, ELEVEN FUME
HOODS, & SEVEN CURING OVENS (4-BLUE M #OV490A2, BLUE M #POM326E1,
AMERICAN DK62, & GRIEVE #333).

2. ATL SHALL NOT OPERATE DEGREASER #55113 UNTIL IT RECEIVES PSAPCA NC
PERMIT FOR UPGRADE OF FREEBOARD RATIO (SEE ATL LETTER OF 12/13/89).

REPORT DATE: 07/27/93

DETAILED SOURCE LISTING (Part A)

PAGE H- 470

BLIS ID No. WA-0067

DATE ENTERED/UPDATED: 06/23/93

COMPANY NAME/SITE LOCATION: POPE & TALBOT INC.
STATE HIGHWAY 104
PORT GAMBLE, WA 98364-0217

COUNTY

DETERMINATION IS FOR A NEW SOURCE.

PERMIT NO. 3425

DETERMINATION MADE BY: PUGET SOUND AIR POLL CONTROL AGENCY, WA
(AGENCY)

CLAUDE WILLIAMS
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 03/26/90
ESTIMATED START-UP DATE-- / /
(206) 689-4066
(PHONE)

AIRS ID NO.

EPA ID NO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT NAME	EMISSION LIMITS (PRIMARY (STANDARDIZED))		BASIS EST % EFF
			CTRL EQUIPMENT/PROCESS MODIFICATION RANKING INFORMATION		

BURNER, WOOD & DRUM DRYER

30.00 TPH

PROCESS CODE 30.999
SCC CODE

PM
CAS NO.

0.2000 GR/DSCF
0.0000
BACT
0.000

CYCLONES, BAGHOUSES

VE
CAS NO.

0.0000
0.0000
BACT
0.000

CEM TO MEET PSAPCA OPACITY REQUIREMENTS

NOTES:

ONE WOOD PELLET PLANT WITH A 30 TPH PRODUCTION INC. (PI) 3PHV-120-500
ROTARY DRUM DRYER (WITH 2 PI 12' DRYER CYCLONES @ 120,000 CFM & 4 MAC 168-
RPT144 BAGHOUSES @ 95,000 CFM), 1 PSI 60" TRANSFER CYCLONE @ 8500 CFM, 2 PI
SF65 SELF FEEDERS & 1 WILLIAMS GA-40 WOOD HOG @ 65,000 #/HR, 1 PI FUEL METE
RING BIN, 1 60 MMBH PI VDC-60 WOOD BURNER, 1 WILLIAMS 30 METEOR HAMMERMILL
& 1 ROTEX 72A-AL/MS MAT'L SCREENER @ 35,000 #/HR, 3 PI 275CF METERING BINS,
3 15,000 #/HR SIMON 2400-DT141 PELLET MILLS, A PELLET COOLER & SCREENER, 2
1000 TON PELLET STORAGE SILOS W/ TRUCK LOADOUT, 1 PI 12' CYCLONE AND 1 MAC
144-RPT-336 BAGHOUSE @ 60,000 CFM (CONTROL OF HAMMERMILL AND PELLET COOLER)
A PELLET ELEVATOR, & AN ABORT STACK. EFF: MAC BAGHOUSES-99.9%, CYCLONES-90%

BLIS ID No. WA-0068

DATE ENTERED/UPDATED: 07/07/93

COMPANY NAME/SITE LOCATION: B.S.B. DIVERSIFIED CO. INC.

S SIDE OF S 200TH ST

KENT, WA 98032-

COUNTY

DETERMINATION IS FOR A NEW SOURCE.

PERMIT NO. 3448

DETERMINATION MADE BY: PUGET SOUND AIR POLL CONTROL AGENCY, WA
(AGENCY)CLAUDE WILLIAMS
(AGENCY CONTACT PERSON)DATE OF PERMIT ISSUANCE-- 10/16/90
ESTIMATED START-UP DATE-- / /
(206) 689-4066
(PHONE)

AIRS ID NO.

EPA ID NO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT NAME	EMISSION LIMITS (PRIMARY) (STANDARDIZED)		BACT-OTHER
			CTRL EQUIPMENT/PROCESS MODIFICATION RANKING INFORMATION	BASIS EST & EFF	

STRIPPER, AIR

80.00 GPM

PROCESS CODE 29.002

SCC CODE

VOC

CAS NO.

15.0000 LB/DAY

0.0000

BACT-OTHER

0.000

NOTES: ONE DELTA 52-190 AIR STRIPPER @ 1550 CFM & 80 GPM, WITH 34' STACK HEIGHT.

B.S.B. DIVERSIFIED CO., INC. MUST OPERATE A MONITORING PROGRAM IN
ACCORDANCE WITH LETTER SUBMITTED TO PSAPCA 10/10/90.

COMPANY NAME/SITE LOCATION: B.P. OIL COMPANY (TACOMA)

520 E D ST

TACOMA, WA 98421-

COUNTY

DETERMINATION IS FOR A NEW SOURCE.

PERMIT NO. 3507

DETERMINATION MADE BY: PUGET SOUND AIR POLL CONTROL AGENCY, WA

CLAUDE WILLIAMS

(AGENCY)

(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 05/04/90

ESTIMATED START-UP DATE-- / /

(206) 689-4066

(PHONE)

AIRS ID NO. 053-00052

EPA ID NO.

* PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT NAME	EMISSION LIMITS (PRIMARY)		BASIC EST % EFF
			(STANDARDIZED)	CTRL EQUIPMENT/PROCESS MODIFICATION RANKING INFORMATION	

MATERIAL STORAGE, TANK (2)

43000.00 BBL EACH

PROCESS CODE 42.006

VOC

0.0000

BACT-OTHER

0.000

SCC CODE

CAS NO.

0.0000

INTERNAL FLOATING ROOF (FOR ONE TANK)

NOTES: ONE 43,000 BBL DIESEL #2 OIL STORAGE TANK (TANK #10) & ONE 43,000 BBL
GASOLINE STORAGE TANK WITH FLOATING ROOF (TANK #11).

THE GASOLINE STORAGE TANK IS SUBJECT TO THE PROVISIONS OF 40 CFR PART 60,
SUBPART KB.

EMISSION LIMITS - NSPS

COMPANY NAME/SITE LOCATION: ARCO PETROLEUM PRODUCTS COMPANY

1652 SW LANDER STREET

SEATTLE, WA 98134-1029

COUNTY

DATE OF PERMIT ISSUANCE-- 05/21/90

ESTIMATED START-UP DATE-- / /

(206) 689-4066

(PHONE)

DETERMINATION IS FOR A NEW SOURCE.

PERMIT NO. 3511

DETERMINATION MADE BY: PUGET SOUND AIR POLL CONTROL AGENCY, WA

CLAUDE WILLIAMS

(AGENCY CONTACT PERSON)

AIRS ID NO. 033-00033

EPA ID NO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT NAME	EMISSION LIMITS (PRIMARY) (STANDARDIZED)		BASIS EST & EFF
			CTRL EQUIPMENT/PROCESS MODIFICATION RANKING INFORMATION		

MATERIAL STORAGE, TANK, GASOLINE

58147.00 BBL

PROCESS CODE 42.002

VOC

SCC CODE

CAS NO.

0.0000

0.0000

BACT-OTHER

0.000

CONE ROOF, INTERNAL PAN

NOTES: TANK #5 (CONE ROOF, INTERNAL PLAN, 102'DIAX40', 58,147 BBL) FROM DIESEL #2
OIL TO UNLEADED GASOLINE.

THE GASOLINE STORAGE TANK IS SUBJECT TO THE PROVISIONS OF 40 CFR PART 60,
SUBPART KB.

EMISSION LIMITS - NSPS

BLIS ID No. WA-0071

DATE ENTERED/UPDATED: 06/23/93

COMPANY NAME/SITE LOCATION: ASKO PROCESSING INC.
434 N 35TH ST
SEATTLE, WA 98103-

COUNTY

DETERMINATION IS FOR A NEW SOURCE.

PERMIT NO. 3540

DETERMINATION MADE BY: PUGET SOUND AIR POLL CONTROL AGENCY, WA
(AGENCY)

CLAUDE WILLIAMS
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 07/13/90
ESTIMATED START-UP DATE-- / /
(206) 689-4066
(PHONE)

AIRS ID NO.

EPA ID NO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT NAME	EMISSION LIMITS (PRIMARY) (STANDARDIZED)		
			CTRL EQUIPMENT/PROCESS MODIFICATION RANKING INFORMATION	BASIS EST % EFF	

PLATING TANK, CHROME (2)

4000.00 CFM

PROCESS CODE 99.007
SCC CODE

CR
CAS NO. 7440-47-3

1.0000 KG/YR
0.0000
2 SCRUBBERS W/FILTER

BACT-OTHER
0.000

NOTES: TWO DUALL F-103-4 SCRUBBERS WITH A KIMBE PACK FILTER AT 4000 CFM TO CONTROL
TWO EXISTING CHROME PLATING TANKS.

ASKO PROCESSING INC. MUST COMPLY WITH SECTION 3.01 OF REGULATION III.

BLIS ID No. WA-0072

DATE ENTERED/UPDATED: 07/07/93

COMPANY NAME/SITE LOCATION: STARROW ENTERPRISES
3102 B ST NW
AUBURN, WA 98001-

COUNTY

DETERMINATION IS FOR A NEW SOURCE.

PERMIT NO. NC3546

DETERMINATION MADE BY: PUGET SOUND AIR POLL CONTROL AGENCY, WA
(AGENCY)

CLAUDE WILLIAMS
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 07/27/90
ESTIMATED START-UP DATE-- / /
(206) 689-4066
(PHONE)

AIRS ID NO.

EPA ID NO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT NAME	EMISSION LIMITS (PRIMARY) (STANDARDIZED)		BASIC EST % EFF
			CTRL EQUIPMENT/PROCESS MODIFICATION RANKING INFORMATION		
SPRAY BOOTH, GEL COAT	0.00				
PROCESS CODE 41.016		PM	0.0500 GR/DSCF		BACT-OTHER 0.000
SCC CODE		CAS NO.	0.0000	DRY FILTERS	
MOLD LINE (CLOSED), POLYESTER RESIN	0.00				
PROCESS CODE 49.005		PM	0.0500 GR/DSCF		BACT-OTHER 0.000
SCC CODE		CAS NO.	0.0000		
GRINDING BOOTH (2)	0.00				
PROCESS CODE 49.005		PM	0.0500 GR/DSCF		BACT-OTHER 0.000
SCC CODE		CAS NO.	0.0000	BAGHOUSES	

MIXER, HOBART	0.00			
PROCESS CODE 41.016			0.0500 GR/DSCF	BACT-OTHER
SCC CODE		PM	0.0000	0.000
		CAS NO.		

NOTES: 1. DETERMINATION FOR ONE GEL COAT SPRAY BOOTH, CLOSED MOLD POLYESTER LINE,
TWO GRINDING BOOTHS W/ BAGHOUSES, AND ONE HOBART MIXER.
2. GEL COAT SHALL BE APPLIED USING LOW PRESSURE SPRAY EQUIPMENT.

BLIS ID No. WA-0073

DATE ENTERED/UPDATED: 06/18/93

COMPANY NAME/SITE LOCATION: BOEING COMMERCIAL AIRPLANES (AUBURN)

700 15TH AVENUE SW

AUBURN, WA 98002-

COUNTY

DETERMINATION IS FOR A NEW SOURCE.

PERMIT NO. 3552

DETERMINATION MADE BY: PUGET SOUND AIR POLL CONTROL AGENCY, WA
(AGENCY)

CLAUDE WILLIAMS

(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 06/21/90

ESTIMATED START-UP DATE-- / /

(206) 689-4066

(PHONE)

AIRS ID NO. 033-00146

EPA ID NO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT NAME	EMISSION LIMITS (PRIMARY) (STANDARDIZED)		BASIS EST % EFF
			CTRL EQUIPMENT/PROCESS MODIFICATION RANKING INFORMATION		

AUTOCLAVE, GAS-FIRED

16.00 MMBH

PROCESS CODE 11.005

SCC CODE

NOX

CAS NO.

0.1000 LBS/MMBTU

0.0000

LO-NOX BURNER

BACT-OTHER

0.000

NOTES: ONE PITTS.-DEMOINS AUTOCLAVE #7 WITH A BLOOM LO-NOX GAS-FIRED BURNER AT 16

MMBH, AT 13,040 CFM (350F) IN BLDG 17-05.

BLIS ID No. WA-0074

DATE ENTERED/UPDATED: 06/18/93

COMPANY NAME/SITE LOCATION: BOEING COMMERCIAL AIRPLANE (NBF)

7370/8701 E MARGINAL WY S

SEATTLE, WA 98108-

COUNTY

DETERMINATION IS FOR A NEW SOURCE.

PERMIT NO. NC3560

DETERMINATION MADE BY: PUGET SOUND AIR POLL CONTROL AGENCY, WA
(AGENCY)CLAUDE WILLIAMS
(AGENCY CONTACT PERSON)DATE OF PERMIT ISSUANCE-- 01/02/91
ESTIMATED START-UP DATE-- / /
(206) 689-4066
(PHONE)

AIRS ID NO. 033-00146

EPA ID NO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT NAME	EMISSION LIMITS (PRIMARY) (STANDARDIZED)		BASIC EST % EFF
			CTRL EQUIPMENT/PROCESS MODIFICATION RANKING INFORMATION		

PAINT APPLICATION (737 BAY)

229000.00 CFM

PROCESS CODE 41.001
SCC CODEVOC
CAS NO.0.0000
0.0000BACT-OTHER
0.000

CLEANING, SOLVENT (737 BAY)

382000.00 CFM

PROCESS CODE 49.008
SCC CODEVOC
CAS NO.0.0000
0.0000BACT-OTHER
0.000

PAINT APPLICATION (737/757 BAY)

331000.00 CFM

PROCESS CODE 41.001
SCC CODEVOC
CAS NO.0.0000
0.0000BACT-OTHER
0.000

CLEANING, SOLVENT (737/757 BAY)	552000.00 CFM			
PROCESS CODE 49.008		VOC	0.0000	BACT-OTHER
SCC CODE		CAS NO.	0.0000	0.000
SPRAY BOOTH (FOR TOUCH UP PAINTING & CURING)	32000.00 CFM			
PROCESS CODE 41.001		VOC	0.0000	BACT-OTHER
SCC CODE		CAS NO.	0.0000	0.000
FUME HOOD, GUN/POT CLEANING AREA (2)	0.00			
PROCESS CODE 49.999		VOC	0.0000	BACT-OTHER
SCC CODE		CAS NO.	0.0000	0.000
FUME HOOD, WASTE STAGING AREA (2)	0.00			
PROCESS CODE 49.999		VOC	0.0000	BACT-OTHER
SCC CODE		CAS NO.	0.0000	0.000

NOTES: 1. DETERMINATION IS FOR AIRCRAFT PAINT HANGAR, BUILDING 3-380, W/ A 737 BAY (AT 229,000 CFM FOR PAINT APPLICATION & 382,000 CFM FOR SOLVENT CLEANING), A 737/757 BAY (AT 331,000 CFM & 552,000 CFM RESPECTIVELY), A BINKS TRUCK SPRAY BOOTH (FOR TOUCH UP PAINTING & CURING; 32.5'X17'W X14'H) AT 32,000 CFM, TWO GUN/POT CLEANING AREA FUME HOODS, AND TWO WASTE STAGING AREA FUME HOODS.

2. BOEING MUST PROVIDE 120 TPY VOC EMISSIONS REDUCTION TO MEET REQUIREMENTS OF THE PSD PERMIT FOR THIS INSTALLATION.

REPORT DATE: 07/27/93

DETAILED SOURCE LISTING (Part A)

PAGE H- 481

BLIS ID No. WA-0075

DATE ENTERED/UPDATED: 12/02/92

COMPANY NAME/SITE LOCATION: CITY OF PUYALLUP PUBLIC WORKS DEPT.
PUYALLUP/SUMNER LANDFILL
PUYALLUP, WA 98373-

COUNTY

DETERMINATION IS FOR A NEW SOURCE.

PERMIT NO. 3568

DETERMINATION MADE BY: PUGET SOUND AIR POLL CONTROL AGENCY, WA
(AGENCY)

CLAUDE WILLIAMS
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 01/23/91
ESTIMATED START-UP DATE-- / /
(206) 689-4066
(PHONE)

AIRS ID NO.

EPA ID NO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT NAME	EMISSION LIMITS (PRIMARY) (STANDARDIZED)		BASIS EST % EFF
			CTRL EQUIPMENT/PROCESS MODIFICATION RANKING INFORMATION		

LANDFILL GAS COLLECTION SYSTEM 9550.00 CFM

PROCESS CODE 21.002
SCC CODE

VOC
CAS NO.

0.0000
0.0000

BACT-OTHER
0.000

FLARE, 9500 CFM (1200F)

NOTES: ONE LFG COLLECTION SYSTEM WITH TWO 300 CFM BLOWERS, 11 LFG EXTRACTION WELLS
AND 8 LFG MONITORING WELLS, CONTROLLED BY A MCGILL 5'OD X 24'0AH FLARE AT
9550 CFM (1200F).

FLARE MUST BE PROVIDED WITH A FLAME SCANNER WHICH RESTARTS OF SHUTS DOWN
THE SYSTEM AND THEREBY PREVENTS THE EMISSION OF UNCOMBUSTED LANDFILL GAS.

REPORT DATE: 07/27/93

DETAILED SOURCE LISTING (Part A)

PAGE H- 482

BLIS ID No. WA-0076

DATE ENTERED/UPDATED: 06/18/93

COMPANY NAME/SITE LOCATION: NORTHWEST HOSPITAL
1550 N 115TH STREET
SEATTLE, WA 98133-8401

COUNTY

DETERMINATION IS FOR A NEW SOURCE.

PERMIT NO. 3575

DETERMINATION MADE BY: PUGET SOUND AIR POLL CONTROL AGENCY, WA
(AGENCY)

CLAUDE WILLIAMS
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 08/30/90
ESTIMATED START-UP DATE-- / /
(206) 689-4066
(PHONE)

AIRS ID NO.

EPA ID NO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT NAME	EMISSION LIMITS (PRIMARY) (STANDARDIZED)	
			CTRL EQUIPMENT/PROCESS MODIFICATION RANKING INFORMATION	BASIS EST % EFF

BOILER, WASTE HEAT (IN INCINERATION SYSTEM) 1230.00 LB/HR

PROCESS CODE 29.004
SCC CODE

HCL
CAS NO. 7647-01-0
30.0000 PPM
0.0000
BACT 0.000
DRY SCRUBBER

CO
CAS NO. 630-08-0
140.0000 PPM
0.0000
BACT 0.000

PM
CAS NO.
0.0200 GR/SCF
0.0000
BACT 0.000
BAGHOUSE

VE
CAS NO.
5.0000 % HOURLY AVE.
0.0000
BACT 0.000
BAGHOUSE

NOTES: 1 CONSUMAT MODEL C-325PA-2 INCINERATOR SYS. (@ 1230 LB/HR) W/ YORK SHIPLEY HRH-1500 WASTE HEAT BOILER CONTROLLED BY A CONSUMAT 2180 DRY SCRUBBER/BAGHOUSE AT 6,000 CFM (300F) W/ DRY SORBENT (HYDRATED LIME) INJECTOR. THE TEMP. IN COMBUSTION ZONE MUST BE AT LEAST 1600F (2 MIN AVE.) & 1800F (15 MIN AVE.); THE FACILITY MUST COMPLY WITH ARTICLE 12, REG. I (PSAPCA); INCINERATOR MAY NOT OPERATE AT MORE THAN 12 TONS OF WASTE CHARGED PER DAY. NORTHWEST HOSPITAL MUST NOT EXCEED THE FOLLOWING STANDARDS: (1) HR AVE., CORRECTED TO 7% O₂: A) HCL-20% UNCONTROLLED (BUT < 100 PPM) OR 30 PPM; OR CO-140 PPM; OR (2) PM-0.020 GRAINS/DSCF, CORRECTED TO 7% O₂; OR (3) FOUR HR AVE, CORRECTED TO 7% O₂, CO-50 PPM; OR (4) OPACITY 5% HOURLY AVE.

REPORT DATE: 07/27/93

DETAILED SOURCE LISTING (Part A)

PAGE H- 484

BLIS ID No. WA-0079

DATE ENTERED/UPDATED: 11/02/92

COMPANY NAME/SITE LOCATION: U.S. VETERAN'S MEDICAL CENTER
1660 S. COLUMBIAN WAY
SEATTLE, WA 98108-

COUNTY

DETERMINATION IS FOR A NEW SOURCE.

PERMIT NO. NC3607

DETERMINATION MADE BY: PUGET SOUND AIR POLL CONTROL AGENCY, WA
(AGENCY) CLAUDE WILLIAMS
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 08/23/90
ESTIMATED START-UP DATE-- / /
(206) 689-4066
(PHONE)

AIRS ID NO.

EPA ID NO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT NAME	EMISSION LIMITS (PRIMARY) (STANDARDIZED)		BASIC EST & EFF
			CTRL EQUIPMENT/PROCESS MODIFICATION RANKING INFORMATION		

INCINERATOR

400.00 LB/HR

PROCESS CODE 29.004

SCC CODE

PM

CAS NO.

0.0500 GR/SCF

0.0000

SCRUBBER

RACT

0.000

HCL

CAS NO. 7647-01-0

100.0000 PPM

0.0000

SCRUBBER

RACT

90.000

NOTES: ONE W.W. SLY 230 IMPINGEJET HCL ABSORBER AT 4255 CFM (250F) ON EXISTING
INCINERATOR SYSTEM (REF. NC3006 & NC2793).

THIS FACILITY MUST COMPLY WITH SECTION 9.09 AND SECTION 9.10 OF REG.1.

REPORT DATE: 07/27/93

DETAILED SOURCE LISTING (Part A)

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BLIS ID No. WA-0080

DATE ENTERED/UPDATED: 06/23/93

COMPANY NAME/SITE LOCATION: PRECISION ENGINEERING INC.

1231 S DIRECTOR ST
SEATTLE, WA 98108-

COUNTY

DETERMINATION IS FOR A NEW SOURCE.

PERMIT NO. 3612

DETERMINATION MADE BY: PUGET SOUND AIR POLL CONTROL AGENCY, WA
(AGENCY)

CLAUDE WILLIAMS
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 09/12/90
ESTIMATED START-UP DATE-- / /
(206) 689-4066
(PHONE)

AIRS ID NO.

EPA ID NO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT NAME	EMISSION LIMITS (PRIMARY) (STANDARDIZED)		BASIS EST & EFF
			CTRL EQUIPMENT/PROCESS MODIFICATION RANKING INFORMATION		

PLATING, CHROME

16500.00 CFM

PROCESS CODE 99.007

SCC CODE

CR

CAS NO. 7440-47-3

1.0000 KG/YR

0.0000

RACT

95.000

SCRUBBER/MIST ELIMINATOR

NOTES: ONE SPECTRA V KCH HIGH EFFICIENCY MIST ELIMINATOR AT 16,500 CFM TO CONTROL
THREE CHROME TANKS (#1, #2, & #7).

THIS FACILITY MUST MEET ALL PROVISIONS OF REGULATION III AND CONDITION 4
OF THIS NC3612.

REPORT DATE: 07/27/93

DETAILED SOURCE LISTING (Part A)

PAGE H- 486

BLIS ID No. WA-0081

DATE ENTERED/UPDATED: 06/23/93

COMPANY NAME/SITE LOCATION: HYTEK FINISHES CO.
8127 S 216TH
KENT, WA 98032-1164

COUNTY

DETERMINATION IS FOR A NEW SOURCE.

PERMIT NO. NC3616

DETERMINATION MADE BY: PUGET SOUND AIR POLL CONTROL AGENCY, WA
(AGENCY)

CLAUDE WILLIAMS
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- / /
ESTIMATED START-UP DATE-- 12/31/90
(206) 689-4066
(PHONE)

AIRS ID NO. 53-033-00195

EPA ID NO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT NAME	EMISSION LIMITS (PRIMARY) (STANDARDIZED)		BASIS EST % EFF
			CTRL EQUIPMENT/PROCESS MODIFICATION RANKING INFORMATION		

PLATING, CHROME

0.00

PROCESS CODE 99.007

SCC CODE

CRVI

CAS NO.

0.0060 MILLIGRAMS/AMPERE-HR

0.0000

RACT

99.600

SCRUBBERS (THREE)

NOTES: 1. PERMIT IS FOR THREE TRI-MER CHROME SCRUBBERS (MODEL CF/S-6 AT 6000 CFM, CF/S-9 AT 9000 CFM, AND CF/S AT 12,000 CFM) AND A PPC ET II JUNI CHROME EVAPORATOR. TWO SCRUBBERS WILL SERVE TWO HARD CROMIUM TANKS EACH, THE CHROMIC ACID ANODIZE OPERATION IS CONTROLLED BY THE THIRD SCRUBBER, AND THE EVAPORATOR IS EXHAUSTED INTO THE SCRUBBERS.

2. HYTEK FINISHES CO. MUST MEET THE APPLICABLE PROVISIONS OF REGULATION III, INCLUDING SECTION 3.01(C)(2)(C) WHICH LIMITS EMISSIONS OF HEXAVALENT CHROMIUM TO LESS THAN 0.006 MILLIGRAMS PER AMPERE-HOUR OF ELECTRICAL CHARGE APPLIED TO THE TANK.

REPORT DATE: 07/27/93

DETAILED SOURCE LISTING (Part A)

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BLIS ID No. WA-0082

DATE ENTERED/UPDATED: 06/23/93

COMPANY NAME/SITE LOCATION: WOODWORTH & CO (LAKEVIEW)

2800 104TH ST CT S

TACOMA, WA 98444-

COUNTY

DETERMINATION IS FOR A NEW SOURCE.

PERMIT NO. NC3627

DETERMINATION MADE BY: PUGET SOUND AIR POLL CONTROL AGENCY, WA
(AGENCY)

CLAUDE WILLIAMS
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 09/04/90

ESTIMATED START-UP DATE-- / /

(206) 689-4066

(PHONE)

AIRS ID NO.

EPA ID NO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT NAME	EMISSION LIMITS (PRIMARY) (STANDARDIZED)	CTRL EQUIPMENT/PROCESS MODIFICATION RANKING INFORMATION	BASIS EST % EFF
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RECYCLE OF PCS IN ASPHALT DRUM MIXER

43300.00 CFM

PROCESS CODE 90.004

SCC CODE

VE

CAS NO.

10.0000 PERCENT OPACITY

0.0000

SCRUBBER

BACT-OTHER

0.000

PETRO. CONTAM. SOILS

CAS NO.

3.0000 % PETRO. HYDROCARBON

0.0000

BACT-OTHER

0.000

INSERTION OF ROTATING CERAMIC CYLINDER B *

NOTES: 1. PERMIT FOR MODIFICATION OF THE EXISTING CEDAR RAPIDS 10040 ASPHALT DRUM

MIXER TO RECYCLE PETROLEUM CONTAMINATED SOIL (PCS) WITH THE INSERTION
OF A 6' DIAMETER BY 8' LONG ROTATING CERAMIC CYLINDER BETWEEN THE
BURNER AND THE DRYER.

2. WOODWORTH SHALL ONLY PROCESS PCS WHICH IS LESS THAN 3% PETROLEUM

HYDROCARBON BY WEIGHT, HAS NO "FREE LIQUIDS", AND MEETS OTHER CRITERIA
OF THE PERMIT.

3. VISIBLE EMISSIONS (VE) LIMIT IS 10% OPACITY FOR MORE THAN AN AGGREGATE
OF THREE MINUTES IN ANY HOUR.

REPORT DATE: 07/27/93

DETAILED SOURCE LISTING (Part A)

BLIS ID No. WA-0083

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DATE ENTERED/UPDATED: 06/22/93

COMPANY NAME/SITE LOCATION: WEYERHAEUSER CO. (SNOQUALMIE)

7001 396TH AVENUE SE

SNOQUALMIE, WA 98065-

COUNTY

DETERMINATION IS FOR A NEW SOURCE.

PERMIT NO. NC3628

DETERMINATION MADE BY: PUGET SOUND AIR POLL CONTROL AGENCY, WA

(AGENCY)

CLAUDE WILLIAMS

(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 09/25/90

ESTIMATED START-UP DATE-- 07/29/92

(206) 689-4066

(PHONE)

AIRS ID NO. 53-033-0013

EPA ID NO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT NAME	EMISSION LIMITS (PRIMARY) (STANDARDIZED)	
			CTRL EQUIPMENT/PROCESS MODIFICATION RANKING INFORMATION	BASIS EST % EFF

BOILER, WOOD WASTE (TWO - #5, #6)

0.00

PROCESS CODE 11.008

SCC CODE

PM

CAS NO.

0.1000 GR/SCF AT 7% OXYGEN

0.0000

RACT

0.000

MULTIPLE-CYCLONE COLLECTORS (2 - 1 PER B *

PM

CAS NO.

0.1000 GR/SCF @ 7% O2

0.0000

RACT

0.000

VENTURI WET SCRUBBER WITH CEM

VE

CAS NO.

20.0000 PERCENT OPACITY

0.0000

RACT

0.000

SEC. 9.03 OF THE PSAPCA REGULATIONS

TRANS.

CAS NO. 55738-54-0

5.0000 % HOURLY AVERAGE

0.0000

RACT

0.000

SEC. 9.09 OF PSAPCA REGULATIONS

- NOTES: 1. PERMIT FOR A BOILER POLLUTION CONTROL SYSTEM WITH TWO ZURN MULTIT-TUBE
MTSA-180-9CYT-XD-NRV-STD MULTIPLE-CYCLONE COLLECTOR (ONE EACH FOR
BOILER #5 AND #6), 20-TUBES WIDE X 9-ROWS DEEP; AND ONE AIRPOL VENTURI
WET SCRUBBER AT 96,000 CFM. THIS PROJECT ALSO INCLUDES AN ECONOMIZER.
2. LIMITS FOR POLLUTANTS:
FOR PM - 0.1 GR/SCF @ 7% OXYGEN CONTENT
FOR VE - 20%/3 MINUTE PERIOD OPACITY
FOR TRANS - 5% HOURLY AVERAGE
3. CONTROL SYSTEM IS SUBJECT TO REQUIREMENTS OF ARTICLE 12 OF REGULATION I

REPORT DATE: 07/27/93

DETAILED SOURCE LISTING (Part A)
BLIS ID No. WA-0084

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DATE ENTERED/UPDATED: 06/22/93

COMPANY NAME/SITE LOCATION: U.S. ARMY (AFZH-DEQ)
FT LEWIS HDQ (1 CORPS & LEWIS)
FORT LEWIS, WA 98433-5000

PIERCE COUNTY

DETERMINATION IS FOR A NEW SOURCE.

PERMIT NO. NC3638

DETERMINATION MADE BY: PUGET SOUND AIR POLL CONTROL AGENCY, WA
(AGENCY) CLAUDE WILLIAMS
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 09/24/90
ESTIMATED START-UP DATE-- / /
(206) 689-4066
(PHONE)

AIRS ID NO. WA-053-00020

EPA ID NO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT NAME	EMISSION LIMITS (PRIMARY) (STANDARDIZED)	CTRL EQUIPMENT/PROCESS MODIFICATION RANKING INFORMATION	BASIS EST & EFF
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INCINERATOR, MEDICAL WASTE (WITH 3 GAS BURNERS) 175.00 LB/HR

PROCESS CODE 29.004

SCC CODE

PM

CAS NO.

0.0500 GR/SCFT @ 7% O2

0.0000

RACT

0.000

NONE

NOTES: 1. PERMIT IS FOR ONE 175 LB/HR CONSUMAT C-75P MEDICAL WASTE INCINERATOR

WITH THREE GAS BURNERS (TWO AT 350 MBH AND ONE AT 500 MBH).

2. PERMIT REQUIRED A PSAPCA-APPROVED SCRUBBER TO BE USED WHEN THE
INCINERATOR IS OPERATED.

3. THIS UNIT WAS BID AT THE WRONG AP STANDARD. PSAPCA ALLOWED THEM TO
TEST THE UNIT TO DETERMINE IF THE UNIT COULD MEET THE BID SPEC. (0.10
GR/SCF AT 7% O2) AND SHUT THE UNIT DOWN UNTIL A CONTROL SYSTEM WAS
INSTALLED.

REPORT DATE: 07/27/93

DETAILED SOURCE LISTING (Part A)

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BLIS ID No. WA-0085

DATE ENTERED/UPDATED: 06/18/93

COMPANY NAME/SITE LOCATION: PACCAR, INC./KENWORTH TRUCK

1500 N 8TH ST

RENTON, WA 98055-

COUNTY

DETERMINATION IS FOR A NEW SOURCE.

PERMIT NO. NC4212

DETERMINATION MADE BY: PUGET SOUND AIR POLL CONTROL AGENCY, WA

(AGENCY)

CLAUDE WILLIAMS

(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 03/02/92

ESTIMATED START-UP DATE-- 01/31/93

(206) 689-4066

(PHONE)

AIRS ID NO. 033-00037

EPA ID NO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT NAME	EMISSION LIMITS (PRIMARY) (STANDARDIZED)	CTRL EQUIPMENT/PROCESS MODIFICATION RANKING INFORMATION	BASIS EST % EFF
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PAINT BOOTH - CAB PRIME

42400.00 CFM

PROCESS CODE 41.002

SCC CODE

VOC

CAS NO.

6.0000 LBS/GAL

0.0000

WATER WELL (900 GPM)

BACT-OTHER

90.000

PAINT OVEN - CAB PRIME

9464.00 CFM

PROCESS CODE 41.002

SCC CODE

VOC

CAS NO.

6.0000 LBS/HR

0.0000

NONE

BACT-OTHER

0.000

PAINT BOOTH - CAB (3)

169500.00 CFM (SUM OF ALL 3)

PROCESS CODE 41.002

SCC CODE

VOC

CAS NO.

85.0000 TPY

0.0000

WATER WELL (500 GPM)

BACT-OTHER

90.000

PAINT FLASH TUNNEL - CAB	32050.00 CFM					
PROCESS CODE 41.002		VOC	3.5000 LBS/HR	BACT-OTHER		
SCC CODE		CAS NO.	0.0000	0.000		
			NONE			
PAINT OVEN - CAB	9349.00 CFM					
PROCESS CODE 41.002		VOC	3.5000 LBS/HR	BACT-OTHER		
SCC CODE		CAS NO.	0.0000	0.000		
			NONE			
CHASSIS PREP BOOTH	42000.00 CFM					
PROCESS CODE 41.002		VOC	3.5000 LBS/GAL	BACT-OTHER		
SCC CODE		CAS NO.	0.0000	0.000		
			NONE			
PAINT BOOTH - CHASSIS	90000.00 CFM					
PROCESS CODE 41.002		VOC	3.5000 LBS/GAL	BACT-OTHER		
SCC CODE		CAS NO.	0.0000	95.000		
			DRY FILTERS			
PAINT OVEN - CHASSIS	3310.00 CFM					
PROCESS CODE 41.002		VOC	3.5000 LBS/GAL	BACT-OTHER		
SCC CODE		CAS NO.	0.0000	0.000		
			NONE			
TOUCH-UP BOOTH (#1)	90000.00 CFM					
PROCESS CODE 41.002		VOC	3.5000 LBS/GAL	BACT-OTHER		
SCC CODE		CAS NO.	0.0000	95.000		
			DRY FILTERS			

REPORT DATE: 07/27/93

DETAILED SOURCE LISTING (Part A)
BLIS ID No. WA-0085

PAGE H- 493
DATE ENTERED/UPDATED: 06/18/93

TOUCH-UP BOOTH (#2)/OVEN	90000.00 CFM			
PROCESS CODE 41.002		VOC	3.5000 LBS/GAL	BACT-OTHER
SCC CODE		CAS NO.	0.0000	95.000
			DRY FILTERS	

- NOTES: 1. PERMIT IS FOR ONE 20 TRUCK/DAY PAINTING AND ASSEMBLY PLANT WITH FOUR PROCESS AREAS (CAB, CHASSIS, TOUCH-UP, AND SMALL PARTS PAINTING), A PYROLYTIC OVEN, A STILL, STORAGE TANKS, & FUEL TANK WELDING OPERATIONS.
2. ALL UNITS MANUFACTURED BY HADEN-SCHWEITZER; AUXILIARY EQUIPMENT IS DEVILBISS JGV-570 PAINT GUNS IN THE SPRAY BOOTHS.
3. FOR THE CAB PAINT BOOTHS, THE 2 LARGER BOOTHS ARE 63,550 CFM APIECE, & THE SMALLER BOOTH IS 42,400 CFM.
4. PERMIT CONDITION: PACCAR SHALL NOT EXCEED 85 TPY OF VOC EMISSIONS AND SHALL PROVIDE 94 TPY OF PSAPCA-APPROVED VOC EMISSIONS OFFSET PRIOR TO STARTUP.

REPORT DATE: 07/27/93

DETAILED SOURCE LISTING (Part A)

BLIS ID No. WA-0086

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DATE ENTERED/UPDATED: 06/18/93

COMPANY NAME/SITE LOCATION: DUSTCOATING, INC/EMR (FOR KENT SCHOOL DISTRICT)

19600 SE 272ND ST
KENT, WA 98042-

COUNTY

DETERMINATION IS FOR A NEW SOURCE.

PERMIT NO. NC4222

DETERMINATION MADE BY: PUGET SOUND AIR POLL CONTROL AGENCY, WA
(AGENCY)

CLAUDE WILLIAMS
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 12/19/91
ESTIMATED START-UP DATE-- 03/02/92
(206) 689-4066
(PHONE)

AIRS ID NO.

EPA ID NO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT NAME	EMISSION LIMITS (PRIMARY) (STANDARDIZED)		
			CTRL EQUIPMENT/PROCESS MODIFICATION RANKING INFORMATION	BASIS	EST % EFF

DESORBER, THERMAL - TREATMENT OF PCS

25.00 TPH

PROCESS CODE 22.006

SCC CODE

VOC

CAS NO.

15.0000 LBS/DAY

0.0000

BACT-OTHER

0.000

BAGHOUSE AND THERMAL OXIDIZER

NOTES: 1. PERMIT IS FOR ONE 25 TPH GENCO THERMAL DESORBER WITH A 25 MMBH BURNER
AT 12,000 CFM (350F), CONTROLLED BY A GENCO 232 BAGHOUSE AND A GENCO
THERMAL OXIDIZER WITH A 12 MMBH BURNER AT 33,627 CFM (1400F) TO TREAT
PETROLEUM CONTAMINATED SOILS (PCS).

2. PERMIT CONDITIONS:

-MAY ONLY PROCESS PCS WHICH IS LESS THAN 3% PETROLEUM HYDROCARBON BY
WEIGHT & SHALL MONITOR THE TEMP. IN THE THERMAL OXIDIZER CONTINUOUSLY
TEMP. MUST BE MAINTAINED ABOVE 1400F DURING OPERATION.

-SHALL CONTINUOUSLY MONITOR OPACITY IF EMISSIONS FROM DRYER STACK EX-
CEED 10% OPACITY FOR MORE THAN AN AGGREGATE OF 3 MIN. IN ANY HR.

REPORT DATE: 07/27/93

DETAILED SOURCE LISTING (Part A)

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BLIS ID No. WA-0087

DATE ENTERED/UPDATED: 06/18/93

COMPANY NAME/SITE LOCATION: JAMES HARDIE GYPSUM (WASHINGTON) INC.

5931 E MARGINAL WY S

SEATTLE, WA 98134-2414

COUNTY

DETERMINATION IS FOR A MODIFIED SOURCE.

PERMIT NO. NC4257

DETERMINATION MADE BY: PUGET SOUND AIR POLL CONTROL AGENCY, WA

(AGENCY)

CLAUDE WILLIAMS

(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 01/17/92

ESTIMATED START-UP DATE-- 11/30/92

(206) 689-4066

(PHONE)

AIRS ID NO. 033-00034

EPA ID NO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT NAME	EMISSION LIMITS (PRIMARY) (STANDARDIZED)		BASIC EST % EFF
			CTRL EQUIPMENT/PROCESS MODIFICATION RANKING INFORMATION		

MANUFACTURING, WALLBOARD/DRYWALL

8.00 TPH

PROCESS CODE 90.024

SCC CODE

PM

CAS NO.

0.0000

0.0000

BACT-OTHER

0.000

CARTRIDGE DUST COLLECTOR AND BAGHOUSE

PM

CAS NO.

0.0000

0.0000

BACT-OTHER

0.000

2 CARTRIDGE DUST COLLECTORS, 2 BAGHOUSES

NOTES: 1. PERMIT IS FOR ONE 8 TPH CALCINING SYSTEM "C" WITH A RAYMOND MILL AND CALCINING KETTLE CONTROLLED BY A FFWW 36-3 CARTRIDGE DUST COLLECTOR AT 2,000 CFM (BH 1C) AND A FFWW 100-10 TR BAGHOUSE AT 6,400 CFM (BH 2C) AND TWO FFWW 36-3 CARTRIDGE DUST COLLECTORS (1A, 1B) AND TWO FFWW 100-19 BAGHOUSES (2A, 2B) TO REPLACE EXISTING BAGHOUSES ON CALCINING SYSTEMS "A" AND "B".

2. INSTALLATION IS SUBJECT TO REQUIREMENTS OF 40 CFR 60, SUBPART UUU.

REPORT DATE: 07/27/93

DETAILED SOURCE LISTING (Part A)
BLIS ID No. WA-0088

PAGE H- 496
DATE ENTERED/UPDATED: 06/23/93

COMPANY NAME/SITE LOCATION: ASKO PROCESSING INC
434 N 35TH
SEATTLE, WA 98103-

COUNTY

DETERMINATION IS FOR A MODIFIED SOURCE.

PERMIT NO. NC4267

DETERMINATION MADE BY: PUGET SOUND AIR POLL CONTROL AGENCY, WA
(AGENCY)

CLAUDE WILLIAMS
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 01/09/92
ESTIMATED START-UP DATE-- 09/01/92
(206) 689-4066
(PHONE)

AIRS ID NO.

EPA ID NO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT NAME	EMISSION LIMITS (PRIMARY (STANDARDIZED))		BACT-OTHER
			CTRL EQUIPMENT/PROCESS MODIFICATION RANKING INFORMATION	EST % EFF	

ELECTROPLATING, HARD CHROME

0.00

PROCESS CODE 99.007
SCC CODE

CRVI
CAS NO.

0.0300 MILLIGRAMS/AMPERE-HR
0.0000
SCRUBBER

BACT-OTHER
0.000

- NOTES: 1. PERMIT FOR ONE DUAL F103-58HM HEX MASTER CHROME SCRUBBER AT 10,000 CFM
TO CONTROL CHROME TANK #3.
2. SCRUBBER MUST COMPLY WITH SECTION 3.01 OF REGULATION III (PSAPCA).

REPORT DATE: 07/27/93

DETAILED SOURCE LISTING (Part A)

PAGE H- 497

BLIS ID No. WA-0089

DATE ENTERED/UPDATED: 06/18/93

COMPANY NAME/SITE LOCATION: TEMPAR INCORPORATED
1609 S. CENTRAL AVE.
KENT, WA 98032-

COUNTY

DETERMINATION IS FOR A NEW SOURCE.

PERMIT NO. NC4289

DETERMINATION MADE BY: PUGET SOUND AIR POLL CONTROL AGENCY, WA
(AGENCY)

CLAUDE WILLIAMS
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 01/30/92
ESTIMATED START-UP DATE-- 02/15/92
(206) 689-4066
(PHONE)

AIRS ID NO.

EPA ID NO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT NAME	EMISSION LIMITS (PRIMARY) (STANDARDIZED)	CTRL EQUIPMENT/PROCESS MODIFICATION RANKING INFORMATION	BASIS EST % EFF
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SPRAY BOOTH, MILLWORK/GLUEING PANELS

19275.00 CFM

PROCESS CODE 41.006

SCC CODE

VOC

CAS NO.

0.0000

0.0000

BACT-OTHER

0.000

FILTERS

METHYLENE CHLORIDE

CAS NO. 75-09-2

2000.0000 LBS/YR

0.0000

0.000

EMISSION LIMITATION OUTLINED IN NC4289

NOTES: 1. PERMIT IS FOR ONE BLEEKER BROS. MODEL F-12-10-7 SPRAY BOOTH AT 19,275
CFM.

2. VOC EMISSIONS REGULATED BY SECTION 9.16 OF REGULATION I (PSAPCA).

REPORT DATE: 07/27/93

DETAILED SOURCE LISTING (Part A)

BLIS ID No. WA-0090

COMPANY NAME/SITE LOCATION: U.S. ARMY (AFZH-DEQ)

FT LEWIS HDQ (1 CORPS & LEWIS)

FORT LEWIS, TACOMA, WA 98433-5000

PIERCE COUNTY

DETERMINATION IS FOR A NEW SOURCE.

PERMIT NO. NC4304

DETERMINATION MADE BY: PUGET SOUND AIR POLL CONTROL AGENCY, WA
(AGENCY)

CLAUDE WILLIAMS
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 03/09/92
ESTIMATED START-UP DATE-- 03/13/92
(206) 689-4066
(PHONE)

AIRS ID NO. WA-053-00020

EPA ID NO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT NAME	EMISSION LIMITS (PRIMARY) (STANDARDIZED)		BASIC EST & EFF
			CTRL EQUIPMENT/PROCESS MODIFICATION RANKING INFORMATION		

SMOKE AND RIOT CONTROL TRAINING (SMOKE GENERATORS) 0.00

PROCESS CODE 99.999

SCC CODE

VE

CAS NO.

0.0000

0.0000

RACT

0.000

NOT ALLOWED DURING BURN BANS

NOTES: 1. PERMIT FOR THE CONDUCTING OF SMOKE AND RIOT CONTROL GAS TRAINING, USING

RIOT CONTROL AGENTS AND SMOKE AGENTS, AND RIOT CONTROL EQUIPMENT,

SMOKE GENERATORS, SMOKE POTS, AND SMOKE GRENADES.

2. THE U.S. ARMY SHALL NOT CONDUCT SMOKE OR RIOT CONTROL TRAINING DURING

PERIODS WHEN A BURN BAN IS IN EFFECT IN PIERCE COUNTY, WHEN SUCH

TRAINING CONSISTS OF ANY OF THE FOLLOWING:

A) A MOUNTED CS DISPENSER (M5), B) MECHANICAL SMOKE GENERATION M3A3,

A HELICOPTER-MOUNTED M52 SMOKE-GENERATOR, OR D) MORE THAN THREE SMOKE

POTS (M5 AND M7).

3. VES ARE CONTROLLED BY SECTION 8.02 OF REGULATION I (PSAPCA).

REPORT DATE: 07/27/93

DETAILED SOURCE LISTING (Part A)

PAGE H- 499

BLIS ID No. WA-0091

DATE ENTERED/UPDATED: 12/08/92

COMPANY NAME/SITE LOCATION: TOP CLEANERS

3202 S 23RD ST, ROOM F8
TACOMA, WA 98444-

COUNTY

DETERMINATION IS FOR A NEW SOURCE.

PERMIT NO. NC4307

DETERMINATION MADE BY: PUGET SOUND AIR POLL CONTROL AGENCY, WA
(AGENCY)

CLAUDE WILLIAMS
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 02/12/92
ESTIMATED START-UP DATE-- 03/10/92
(206) 689-4066
(PHONE)

AIRS ID NO.

EPA ID NO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT NAME	EMISSION LIMITS (PRIMARY) (STANDARDIZED)		BASIS EST & EFF
			CTRL EQUIPMENT/PROCESS MODIFICATION RANKING INFORMATION		

DRY CLEANING

0.00

PROCESS CODE 49.002

SCC CODE

VOC
CAS NO.

40.0000 GAL/YR
0.0000

BACT-OTHER
0.000

PERCHLOROETHYLENE
CAS NO. 127184

40.0000 GAL/YR
0.0000
NONE IDENTIFIED

BACT-OTHER
0.000

NOTES: 1. PERMIT IS FOR ONE AJAX B-5 DRY-TO-DRY CLEANING MACHINE.

COMPANY NAME/SITE LOCATION: WEBCRAFT PRINTING CO. INC.
2521B PACIFIC HIGHWAY E
TACOMA, WA 98424-

COUNTY

DETERMINATION IS FOR A NEW SOURCE.
PERMIT NO. NC 4313
DETERMINATION MADE BY: PUGET SOUND AIR POLL CONTROL AGENCY, WA
(AGENCY)

CLAUDE WILLIAMS
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 02/10/92
ESTIMATED START-UP DATE-- 04/01/92
(206) 689-4066
(PHONE)

AIRS ID NO.

EPA ID NO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT NAME	EMISSION LIMITS (PRIMARY) (STANDARDIZED)	
			CTRL EQUIPMENT/PROCESS MODIFICATION RANKING INFORMATION	BASIS EST % EFF

PRINTING PRESS, WEB OFFSETTING (LITHOGRAPHY)			0.00	
PROCESS CODE 41.021	VOC		0.0000	BACT-OTHER
SCC CODE	CAS NO.		0.0000	95.000
CATALYTIC AFTERBURNER				
DRYERS (2) WITH BURNERS			0.00	
PROCESS CODE 41.021	VOC		0.0000	BACT-OTHER
SCC CODE	CAS NO.		0.0000	95.000
CATALYTIC AFTERBURNER				

- NOTES: 1. PERMIT IS FOR ONE SPECTRUM 3000 CATALYTIC AFTERBURNER AT 2.63 MMBH AND 5425 CFM (750F) TO CONTROL A HARRIS V-30 WEB OFFSET PRESS AND TWO DRYERS WITH BURNERS AT 2.2 MMBH EACH.
2. A CONTINUOUS TEMPERATURE MONITORING SYSTEM IN ACCORDANCE WITH THE REQUIREMENTS OF ARTICLE 12 OF REGULATIONS MUST BE INSTALLED AND MAINTAINED.
3. THE PRESS AND CONTROL SYSTEM ARE SUBJECT TO REQUIREMENTS OF 40 CFR 60 SUBPART QQ.
4. VOCs ARE REGULATED BY SECTION 12, OF REGULATIONS (PSAPCA), AS WELL AS 40 CFR 60 SUBPART QQ.

REPORT DATE: 07/27/93

DETAILED SOURCE LISTING (Part A)

PAGE H- 502

BLIS ID No. WA-0093

DATE ENTERED/UPDATED: 06/18/93

COMPANY NAME/SITE LOCATION: CAMPUS CLEANERS (JUHN'S INC.)

4100 ROOSEVELT WY NE

SEATTLE, WA 98105-

COUNTY

DETERMINATION IS FOR A NEW SOURCE.

PERMIT NO. NC4330

DETERMINATION MADE BY: PUGET SOUND AIR POLL CONTROL AGENCY, WA

(AGENCY)

CLAUDE WILLIAMS

(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 02/18/92

ESTIMATED START-UP DATE-- 11/01/91

(206) 689-4066

(PHONE)

AIRS ID NO.

EPA ID NO.

EMISSION LIMITS (PRIMARY)

(STANDARDIZED)

PROCESSES SUBJECT TO THIS PERMIT

THROUGHPUT
CAPACITY

POLLUTANT NAME

CTRL EQUIPMENT/PROCESS MODIFICATION
RANKING INFORMATION

BASIS
EST % EFF

DRY CLEANING MACHINE

36.00 LBS.

PROCESS CODE 49.002

SCC CODE

VOC

CAS NO.

0.0000

0.0000

CARBON ADSORBER

BACT-OTHER

0.000

NOTES: 1. PERMIT IS FOR ONE 36 LB. PERMAC P536 DRY CLEANING MACHINE.

2. CONSORBA CARBON ADSORBER FOR VOC CONTROL ONLY NECESSARY IF ODOR
COMPLAINTS ARE VERIFIED.

REPORT DATE: 07/27/93

DETAILED SOURCE LISTING (Part A)
BLIS ID No. WA-0094

PAGE H- 503
DATE ENTERED/UPDATED: 06/18/93

COMPANY NAME/SITE LOCATION: SUPERIOR OIL CO. (DIVISION OF TIME OIL CO.)

250 E "D" ST
TACOMA, WA 98401-

COUNTY

DETERMINATION IS FOR A MODIFIED SOURCE.

PERMIT NO. CA4332

DETERMINATION MADE BY: PUGET SOUND AIR POLL CONTROL AGENCY, WA
(AGENCY) CLAUDE WILLIAMS
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 03/18/92
ESTIMATED START-UP DATE-- 08/31/92
(206) 689-4066
(PHONE)

AIRS ID NO. 053-00032

EPA ID NO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT NAME	EMISSION LIMITS (PRIMARY) (STANDARDIZED)		
			CTRL EQUIPMENT/PROCESS MODIFICATION	BASIS	EST & EFF
			RANKING INFORMATION		

MATERIAL STORAGE, BULK TERMINAL WITH LOADING ARMS 0.00

PROCESS CODE 42.002

SCC CODE

VOC

CAS NO.

2.0000 PERCENT VOC

0.0000

BACT-OTHER

0.000

VAPOR RECOVERY UNIT (CARBON ADSORPTION) *

NOTES: 1. PERMIT IS TO REPLACE EXISTING MCGILL 124 VAPOR RECOVERY UNIT (VRU) WITH

A MCGILL MODEL 1004 VRU, AND REBUILD AN EXISTING LOADING RACK WHICH
WILL HAVE ONE LANE WITH SIX TRUCK LOADING ARMS FOR GASOLINE/BLENDS AND
A LANE WITH TWO DIESEL LOADING ARMS.

2. PERMIT CONDITIONS: SUPERIOR MUST COMPLY WITH PSAPCA'S REGULATIONS --

A) ARTICLE 12, REGULATION I (INSTALLATION & OPERATION OF CEM);

B) SECTION 2.05, REGULATION II

COMPANY NAME/SITE LOCATION: HY-COR-TECH
9895 SE SUNNYSIDE RD #C223
CLACKAMAS (OREGON), WA 97015-

COUNTY

DETERMINATION IS FOR A NEW SOURCE.
PERMIT NO. NC4336
DETERMINATION MADE BY: PUGET SOUND AIR POLL CONTROL AGENCY, WA
(AGENCY) CLAUDE WILLIAMS
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE--- 02/25/92
ESTIMATED START-UP DATE--- 08/25/92
(206) 689-4066
(PHONE)

AIRS ID NO.

EPA ID NO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT NAME	EMISSION LIMITS (PRIMARY) (STANDARDIZED)		
			CTRL EQUIPMENT/PROCESS MODIFICATION RANKING INFORMATION	BASIS	EST % EFF

SOIL REMEDIATION UNIT, THERMAL	PROCESS CODE 22.006 SCC CODE	2.50 MMBH	VE CAS NO.	0.0200 GRAIN/SCF (SEE NOTES	BACT-OTHER
				0.0000	0.000
				SCRUBBER	
			VOC CAS NO.	0.0200 GRAIN/SCF (SEE NOTES	BACT-OTHER
				0.0000	0.000
				SCRUBBER	

NOTES: 1. PERMIT IS FOR ONE SOIL/TEK ST-300 THERMAL SOIL REMEDIATION UNIT WITH A 32" DIA. X 17'6" ROTARY DRUM, A 2.5 MMBH AFTERBURNER, A 23" DIA. X 30'L QUENCH CHAMBER, AND A POWERCLONE PCS-22 SCRUBBER.

2. EMISSION REQUIREMENTS:
0.02 GRAINS/SCF AND 10% OPACITY,
AND PCS IS LESS THAN 3% PETROLEUM HYDROCARBON BY WT.,
AND TEMP. OF THERMAL OXIDIZER BE GREATER THAN 1400F

REPORT DATE: 07/27/93

DETAILED SOURCE LISTING (Part A)

PAGE H- 505

BLIS ID No. WA-0096

DATE ENTERED/UPDATED: 07/07/93

COMPANY NAME/SITE LOCATION: SALMON BAY STEEL CORP (KENT)

22011 84TH S

KENT, WA 98032-

COUNTY

DETERMINATION IS FOR A NEW SOURCE.

PERMIT NO. NC3305

DETERMINATION MADE BY: PUGET SOUND AIR POLL CONTROL AGENCY, WA
(AGENCY)

CLAUDE WILLIAMS
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 01/30/90
ESTIMATED START-UP DATE-- 07/01/90
(206) 689-4066
(PHONE)

AIRS ID NO. 033-00241

EPA ID NO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT NAME	EMISSION LIMITS (PRIMARY) (STANDARDIZED)		BASIC EST % EFF
			CTRL EQUIPMENT/PROCESS MODIFICATION RANKING INFORMATION		

FURNACE, ELECTRIC ARC (2)

75.00 TONS EACH

PROCESS CODE 81.006

SCC CODE

NONE IDENTIFIED

CAS NO.

0.0000

0.0000

BACT

0.000

MELT SHOP

400000.00 TPY

PROCESS CODE 81.006

SCC CODE

NONE IDENTIFIED

CAS NO.

0.0000

0.0000

BACT

0.000

NOTES: 1. DETERMINATION IS FOR PHASE 2: (MODIFY ARC FURNACES TO 18' DIA. SHELL)

TWO ELECTROMELT MT EAF AT 75 TONS EACH; INSTALL 4TH STRAND ON CONTINUOUS
CASTER. MELT SHOP CAPACITY INCREASED TO 400,000 TPY. ESTIMATED
CONSTRUCTION TIME FROM MID 1991 TO LATE 1992.

2. APPLICABLE REQUIREMENTS: 40 CFR 60, SUBPART AAA (FOR EAFURNACES),

ARTICLE 12 OF REGULATION I (FOR MONITORING OF OPACITY).

3. SOURCE NEVER CONSTRUCTED.

REPORT DATE: 07/27/93

DETAILED SOURCE LISTING (Part A)

BLIS ID No. WA-0097

PAGE H- 506
DATE ENTERED/UPDATED: 07/07/93

COMPANY NAME/SITE LOCATION: SALMON BAY STEEL CORP (BIRMINGHAM)

22011 84TH S
KENT, WA 98032-

COUNTY

DETERMINATION IS FOR A NEW SOURCE.

PERMIT NO. NC3306

DETERMINATION MADE BY: PUGET SOUND AIR POLL CONTROL AGENCY, WA
(AGENCY)

CLAUDE WILLIAMS
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 01/30/90
ESTIMATED START-UP DATE-- 07/01/90
(206) 689-4066
(PHONE)

AIRS ID NO. 033-00241

EPA ID NO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT NAME	EMISSION LIMITS (PRIMARY) (STANDARDIZED)		BASIS EST % EFF
			CTRL EQUIPMENT/PROCESS MODIFICATION RANKING INFORMATION		

FURNACE, ARC

33.00 MVA

PROCESS CODE 81.006
SCC CODE

PM
CAS NO.

0.0100 GRAIN/DSCF
0.0000
BAGHOUSE

BACT
0.000

CASTER AND LADLE REFINING STATION

0.00

PROCESS CODE 81.006
SCC CODE

PM
CAS NO.

0.0100 GRAIN/DSCF
0.0000
(2) BAGHOUSES (1 @ 105,000 CFM, 1 @ 76,0 *

BACT
0.000

MELT SHOP

600000.00 TPY

PROCESS CODE 81.006
SCC CODE

NONE IDENTIFIED
CAS NO.

0.0000
0.0000

0.000

NOTES: 1. DETERMINATION FOR PHASE 3: INSTALL NEW 33 MVA ARC FURNACE TRANSFORMERS;

REFURBISH AND REACTIVATE TWO EXISTING BAGHOUSES (ONE 8-COMPARTMENT

WHEELABRATOR #1224F71 SERIES 55 BAGHOUSE AT 105,000 CFM AND ONE

WHEELABRATOR 36-RW-48 BAGHOUSE AT 76,000 CFM) TO CONTROL CASTER AND

LADLE REFINING STATION, WHILE BAUMCO (OR EQUAL) BAGHOUSE (NC3304)

CONTROLS ARC FURNACES. MELT SHOP CAPACITY INCREASED TO 600,000 TPY.

ESTIMATED CONSTRUCTION TIME FROM MID 1992 TO END OF 1994.

2. VISIBLE EMISSIONS FROM THE BAGHOUSES SHALL BE CONSIDERED EVIDENCE THAT

THE BAGHOUSES ARE NOT BEING MAINTAINED IN GOOD WORKING ORDER.

3. PHASE 3 NEVER BUILT.

REPORT DATE: 07/27/93

DETAILED SOURCE LISTING (Part A)

PAGE H- 508

BLIS ID No. WA-0098

DATE ENTERED/UPDATED: 07/07/93

COMPANY NAME/SITE LOCATION: SALMON BAY STEEL CORP. (KENT)

22011 84TH S
KENT, WA 98032-

COUNTY

DETERMINATION IS FOR A MODIFIED SOURCE.

PERMIT NO. NC3307

DETERMINATION MADE BY: PUGET SOUND AIR POLL CONTROL AGENCY, WA
(AGENCY)

CLAUDE WILLIAMS
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 02/28/90
ESTIMATED START-UP DATE-- 07/01/90
(206) 689-4066
(PHONE)

AIRS ID NO. 033-00241

EPA ID NO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT NAME	EMISSION LIMITS (PRIMARY) (STANDARDIZED)	
			CTRL EQUIPMENT/PROCESS MODIFICATION RANKING INFORMATION	BASIS EST % EFF

ROLLING MILL OPERATION - STEEL MILL

100.00 TPH

PROCESS CODE 81.006
SCC CODE

NONE IDENTIFIED
CAS NO.

0.0000
0.0000

0.000

FURNACE, REHEAT - STEEL MILL

100.00 MMBH

PROCESS CODE 81.006
SCC CODE

NOX
CAS NO.

0.1000 LB/MMBTU
0.0000

0.000

NOTES: 1. PERMIT FOR PHASE 4: ONE 100 TPH ROLLING MILL; AND ONE REHEAT FURNACE WITH LOW-NOX GAS BURNERS AT 100 MMBH. MELT SHOP CAPACITY AT 600,000 TPY. ESTIMATED CONSTRUCTION TIME FROM MID 1993 TO THE END OF 1995.

2. PERMIT CONDITIONS:

- A) SALMON BAY SHALL NOT EXCEED 0.1 LB/MMBTU FOR NOX EMISSIONS FROM THE REHEAT FURNACE & SHALL MONITOR THESE NOX EMISSIONS IN ACCORDANCE WITH ARTICLE 12, REGULATION I (PSAPCA).
- B) SALMON BAY SHALL EMIT NO MORE THAN 1 LB NOX/TON OF STEEL PRODUCED IN ITS EAFS NOR 6.85 LB/HR FROM ITS EAFS.

COMPANY NAME/SITE LOCATION: U.S ARMY FORT LEWIS (MADIGAN ARMY MEDICAL CENTER)

HEADQUARTERS (I CORPS & FT. L)

FORT LEWIS, WA 98433-

COUNTY

DETERMINATION IS FOR A NEW SOURCE.

PERMIT NO. NC3311

DETERMINATION MADE BY: PUGET SOUND AIR POLL CONTROL AGENCY, WA
(AGENCY)CLAUDE WILLIAMS
(AGENCY CONTACT PERSON)DATE OF PERMIT ISSUANCE-- 01/25/90
ESTIMATED START-UP DATE-- / /
(206) 689-4066
(PHONE)

AIRS ID NO. 053-00020

EPA ID NO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT NAME	EMISSION LIMITS (PRIMARY) (STANDARDIZED)		BACT-OTHER EST % EFF
			CTRL EQUIPMENT/PROCESS MODIFICATION RANKING INFORMATION	BASIS	

BOILER, FIRETUBE STEAM (HP-1)

0.00

PROCESS CODE 11.004
SCC CODENOX (GAS FUEL)
CAS NO.0.1000 LB/MMBTU
0.1000 LB/MMBTUBACT-OTHER
0.000

BOILER, FIRETUBE STEAM (HP-2,3) TWO-EACH 16.7 MMBH

0.00

PROCESS CODE 11.004
SCC CODENOX (GAS FUEL)
CAS NO.0.1000 LB/MMBTU
0.1000 LB/MMBTUBACT-OTHER
0.000

NOX (RESIDUAL OIL F)	0.3000 LB/MMBTU	BACT-OTHER
CAS NO.	0.3000 LB/MMBTU	0.000

- NOTES: 1. PERMIT IS FOR ONE CLEAVER-BROOKS CB-400-600 FIRETUBE STEAM BOILER (HP-1) AT 20.1 MMBH, AND TWO CLEAVER-BROOKS CB-400-500 FIRETUBE STEAM BOILERS (HP-2,3) AT 16.7 MMBH EACH.
2. NOX SHALL BE MONITORED IN ACCORDANCE WITH ARTICLE 12, REGULATION I (PSAPCA).
3. TOTAL NOX EMISSIONS FOR THE INSTALLATION MUST REMAIN BELOW 40 TPY.
4. DEMONSTRATION OF COMPLIANCE MUST BY REPORT REQUIRED BY ARTICLE 5, REGULATION I (PSAPCA).

REPORT DATE: 07/27/93

DETAILED SOURCE LISTING (Part A)

BLIS ID No. WA-0100

PAGE H- 512
DATE ENTERED/UPDATED: 06/18/93

COMPANY NAME/SITE LOCATION: NORTHWEST COOPERAGE CO INC

7152 1ST AVE S

SEATTLE, WA 98108-4199

COUNTY

DETERMINATION IS FOR A NEW SOURCE.

PERMIT NO. NC3312

DETERMINATION MADE BY: PUGET SOUND AIR POLL CONTROL AGENCY, WA
(AGENCY)

CLAUDE WILLIAMS
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 09/29/89
ESTIMATED START-UP DATE--- 10/29/89
(206) 689-4066
(PHONE)

AIRS ID NO.

EPA ID NO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT NAME	EMISSION LIMITS (PRIMARY) (STANDARDIZED)		BASIS EST % EFF
			CTRL EQUIPMENT/PROCESS MODIFICATION RANKING INFORMATION		

RECLAMATION, DRUM AND BARREL

0.00

PROCESS CODE 99.999

SCC CODE

PM

CAS NO.

0.0500 GR/DSCF @ 7% O2

0.0000

RACT

0.000

SCRUBBER

NOTES: 1. PERMIT FOR ONE MUNTERS T271-S DEMISTER MODULE ON EXISTING SCRUBBER
SYSTEM.

2. MUST CONDUCT APPROVED SOURCE TEST TO DEMONSTRATE COMPLIANCE.

BLIS ID No. WA-0101

DATE ENTERED/UPDATED: 06/23/93

COMPANY NAME/SITE LOCATION: SNOQUALMIE VALLEY HOSPITAL
1505 MEADOWBROOK WAY SE
SNOQUALMIE, WA 98065-

COUNTY

DETERMINATION IS FOR A MODIFIED SOURCE.

PERMIT NO. NC3315

DETERMINATION MADE BY: PUGET SOUND AIR POLL CONTROL AGENCY, WA
(AGENCY)CLAUDE WILLIAMS
(AGENCY CONTACT PERSON)DATE OF PERMIT ISSUANCE-- 10/10/89
ESTIMATED START-UP DATE-- 01/01/90
(206) 689-4066
(PHONE)

AIRS ID NO.

EPA ID NO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT NAME	EMISSION LIMITS (PRIMARY) (STANDARDIZED)		BASIS EST % EFF
			CTRL EQUIPMENT/PROCESS MODIFICATION RANKING INFORMATION		

INCINERATION, HOSPITAL

12.00 TPD (LESS THAN)

PROCESS CODE 29.004

SCC CODE

PM

CAS NO.

0.0500 GR/DSCF @ 7% O2

0.0000

RACT

0.000

IMPINJET SCRUBBER

HCL

CAS NO. 7647-01-0

100.0000 PPM HCL @ 7% O2

0.0000

RACT

0.000

IMPINJET SCRUBBER

NOTES: 1. PERMIT IS FOR ONE SLY MANUFACTURING MODEL #220 IMPINJET SCRUBBER TO
CONTROL HCL AND PARTICULATE EMISSIONS FROM EXISTING INCINERATOR.

2. FACILITY REQUIRED TO CONDUCT A SOURCE TEST TO DEMONSTRATE COMPLIANCE
WITH SECTIONS 9.09 AND 9.10 OF REGULATION I (PSAPCA).

REPORT DATE: 07/27/93

DETAILED SOURCE LISTING (Part A)
BLIS ID No. WA-0102

PAGE H- 514
DATE ENTERED/UPDATED: 06/18/93

COMPANY NAME/SITE LOCATION: BOEING COMMERCIAL AIRPLANES (AUBURN)
700 15TH AVE SW
AUBURN, WA 98002-

COUNTY

DETERMINATION IS FOR A NEW SOURCE.

PERMIT NO. NC3335

DETERMINATION MADE BY: PUGET SOUND AIR POLL CONTROL AGENCY, WA
(AGENCY)

CLAUDE WILLIAMS
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 11/09/90
ESTIMATED START-UP DATE-- 06/01/91
(206) 689-4066
(PHONE)

AIRS ID NO. 033-00015

EPA ID NO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT NAME	EMISSION LIMITS (PRIMARY) (STANDARDIZED)		BASIS EST % EFF
			CTRL EQUIPMENT/PROCESS MODIFICATION RANKING INFORMATION		

BOILER, GAS-FIRED (WITH OIL STANDBY)

140000.00 LBS STEAM/HR

PROCESS CODE 11.004
SCC CODE

NOX
CAS NO.

0.1000 LB/MMBTU
0.1000 LB/MMBTU
LOW NOX BURNERS

BACT-OTHER
0.000

- NOTES: 1. PERMIT FOR ONE RILEY/UNION IRON WORKS MH-120E GAS-FIRED BOILER (#4) AT
140,000 LBS STEAM/HR WITH OIL STANDBY USING LOW NOX BURNERS. THIS
BOILER WILL BE LOCATED IN BUILDING 17-09 AT BOEING'S AUBURN PLANT AND
WILL OPERATE ABOUT 50% OF THE TIME ANNUALLY.
2. CEM OF NOX FROM THE BOILER MEETS REQUIREMENTS OF ARTICLE 12 IN
REGULATION 1.

REPORT DATE: 07/27/93

DETAILED SOURCE LISTING (Part A)

PAGE H- 515

BLIS ID No. WA-0103

DATE ENTERED/UPDATED: 06/18/93

COMPANY NAME/SITE LOCATION: CHEMICAL PROOF CORP
19205 144TH AVE NE
WOODINVILLE, WA 98072-

COUNTY

DETERMINATION IS FOR A MODIFIED SOURCE.

PERMIT NO. NC3344

DETERMINATION MADE BY: PUGET SOUND AIR POLL CONTROL AGENCY, WA
(AGENCY)

CLAUDE WILLIAMS
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 11/07/89
ESTIMATED START-UP DATE-- 12/01/89
(206) 689-4066
(PHONE)

AIRS ID NO. 033-00204

EPA ID NO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT NAME	EMISSION LIMITS (PRIMARY) (STANDARDIZED)	CTRL EQUIPMENT/PROCESS MODIFICATION RANKING INFORMATION	BASIS EST % EFF
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MANUFACTURING, FIBERGLASS VESSELS

0.00

PROCESS CODE 49.005

SCC CODE

VOC

CAS NO.

0.0000

0.0000

BACT-OTHER

0.000

EXHAUST FANS - 2 (ONE 10,000 CFM, ONE 16 *

NOTES:

BLIS ID No. WA-0104

DATE ENTERED/UPDATED: 06/18/93

COMPANY NAME/SITE LOCATION: RED DOT CORPORATION
495 ANDOVER PARK EAST
SEATTLE, WA 98138-

COUNTY

DETERMINATION IS FOR A MODIFIED SOURCE.

PERMIT NO. NC3350

DETERMINATION MADE BY: PUGET SOUND AIR POLL CONTROL AGENCY, WA
(AGENCY)

CLAUDE WILLIAMS
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 12/13/89
ESTIMATED START-UP DATE-- 08/04/90
(206) 689-4066
(PHONE)

AIRS ID NO. 033-00229

EPA ID NO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT NAME	EMISSION LIMITS (PRIMARY) (STANDARDIZED)		
			CTRL EQUIPMENT/PROCESS MODIFICATION RANKING INFORMATION	BASIS	EST % EFF

SPRAY BOOTHS, MISC. METAL PARTS (2)

19500.00 CFM (SUM OF BOTH)

PROCESS CODE 41.013
SCC CODE

VOC
CAS NO.

0.0000
0.0000

RACT
0.000

HIGH VOLUME LOW PRESSURE (HVLP) EQUIPMEN *

DEGREASING, VAPOR

0.00

PROCESS CODE 49.008
SCC CODE

NONE IDENTIFIED
CAS NO.

0.0000
0.0000

BACT-OTHER
0.000

100% FREEBOARD AND REFRIGERATED CHILLER

NOTES:

1. PERMIT IS FOR TWO BARON-BLAKESLEE MODEL 1620 DEGREASERS USING TRICHLOROETHYLENE, ONE BARON-BLAKESLEE MODEL HRS-120 HEAVY-DUTY SOLVENT RECOVERY STILL, AND TWO 13'LX12'WX7'H BINKS CONVEYORIZED SPRAY BOOTHS (EAST BOOTH AT 12,000 CFM, WEST BOOTH AT 7500 CFM).
2. RED DOT CORP SHALL EMPLOY HIGH VOLUME LOW PRESSURE (HVLP) SPRAY COATING EQUIPMENT AND AN AGENCY APPROVED ENCLOSED SPRAY GUN CLEANING SYSTEM.
3. VAPOR DEGREASER SHALL BE EQUIPPED WITH 100% FREEBOARD AND REFRIGERATED CHILLER BY JULY 01,1990.
4. RACT FOR SPRAY COATING OPERATION ASSOCIATED WITH VOC CONTROLS IN REGULATION II (PSAPCA).

COMPANY NAME/SITE LOCATION: OLYMPUS ENVIRONMENTAL INC
12855 48TH AVE. S
TUKWILA, WA 98188-

COUNTY

DETERMINATION IS FOR A NEW SOURCE.
PERMIT NO. NC3233

DETERMINATION MADE BY: PUGET SOUND AIR POLL CONTROL AGENCY, WA
(AGENCY)

CLAUDE WILLIAMS
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 05/04/89
ESTIMATED START-UP DATE-- 12/01/89
(206) 689-4066
(PHONE)

AIRS ID NO.

EPA ID NO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT NAME	EMISSION LIMITS (PRIMARY) (STANDARDIZED)		BASIS EST % EFF
			CTRL EQUIPMENT/PROCESS MODIFICATION RANKING INFORMATION		
SOIL REMEDIATION	0.00				
PROCESS CODE 22.006		PM	0.0500 GRAINS/DSCF		RACT
SCC CODE		CAS NO.	0.0000		99.900
			CYCLONE AND BAGHOUSE		
		VE	0.0000		RACT
		CAS NO.	0.0000		99.900
			CYCLONE AND BAGHOUSE		

- NOTES: 1. PERMIT IS FOR ONE HYDROCARBON CONTAMINATED SOIL CLEANUP SYSTEM WITH ONE PIONEER 90-32 DM SOIL BURNER WITH A GENCO FP-129 BURNER, CONTROLLED BY AN ESSTEE MODEL 1000 CYCLONE AND A BARBER GREEN MODEL CE 230 BAGHOUSE.
2. EMISSION LIMIT FOR VISIBLE EMISSIONS (VE) IS BASED ON SECTION 9.03 OF REGULATION I (PSAPCA).

BLIS ID No. WA-0106

DATE ENTERED/UPDATED: 11/04/92

COMPANY NAME/SITE LOCATION: FRED MEYERS
4505 S 19TH ST
TACOMA, WA 98405-

COUNTY

DETERMINATION IS FOR A NEW SOURCE.

PERMIT NO. NC3234

DETERMINATION MADE BY: PUGET SOUND AIR POLL CONTROL AGENCY, WA
(AGENCY)

CLAUDE WILLIAMS
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 05/04/89
ESTIMATED START-UP DATE-- 09/06/89
(206) 689-4066
(PHONE)

AIRS ID NO.

EPA ID NO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT NAME	EMISSION LIMITS (PRIMARY) (STANDARDIZED)		BACT-OTHER
			CTRL EQUIPMENT/PROCESS MODIFICATION RANKING INFORMATION	BASIS EST % EFF	

SOIL REMEDIATION

0.00

PROCESS CODE 22.006

SCC CODE

VOC

CAS NO.

15.0000 LB/DAY

0.0000

BACT-OTHER

0.000

HIGH VACUUM VAPOR CONTROL SYSTEM WITH A *

NOTES: 1. PERMIT IS FOR ONE SOIL TREATMENT SYSTEM WITH AN ORS ENVIRONMENTAL
EQUIPMENT MODEL 1139002 HIGH VACUUM VAPOR CONTROL SYSTEM WITH A CARBON
ADSORBER CONTROL SYSTEM TO ASSURE THAT VOC EMISSIONS DO NOT EXCEED
15 LB/DAY.

COMPANY NAME/SITE LOCATION: WILDER CONSTRUCTION CO

SEE NOTES

2 MILES WEST OF DARRINGTON, WA 98241-

COUNTY

DETERMINATION IS FOR A NEW SOURCE.

PERMIT NO. NC3237

DATE OF PERMIT ISSUANCE-- 05/31/89

DETERMINATION MADE BY: PUGET SOUND AIR POLL CONTROL AGENCY, WA

CLAUDE WILLIAMS

ESTIMATED START-UP DATE-- 12/01/89

(AGENCY)

(AGENCY CONTACT PERSON)

(206) 689-4066

(PHONE)

AIRS ID NO.

EPA ID NO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT NAME	EMISSION LIMITS (PRIMARY) (STANDARDIZED)		BACT-OTHER
			CTRL EQUIPMENT/PROCESS MODIFICATION RANKING INFORMATION	BASIS EST & EFF	
DRUM MIX ASPHALT PLANT	350.00 TPH				
PROCESS CODE 90.003		NONE IDENTIFIED	0.0100 GRAINS/DSCF		
SCC CODE		CAS NO.	0.0000		0.000
			BAGHOUSE, AND SILO		

- NOTES: 1. PERMIT IS FOR ONE 350 TPH BARBER GREEN MODEL DC 65 DRUM MIX ASPHALT PLANT, CONTROLLED BY A 45,000 CFM DUSTEX RA-15-40 BAGHOUSE, AND ONE 100-TON 43'X11' SILO.
2. THE PLANT IS SUBJECT TO THE REQUIREMENTS OF 40 CFR 60, SUBPART I.
3. OPERATIONAL REQUIREMENTS (NOT IDENTIFIED) FOR STACK TEMPERATURE, PRESSURE DROP, OPACITY, PERCENT RECYCLE ASPHALT PAVEMENT, AND OTHER PARAMETERS DEPENDENT ON CONDITIONS DURING SOURCE TEST.
4. REQUIRED TO CONTINUOUSLY MONITOR AND RECORD THE STACK TEMPERATURE AND PRESSURE DROP ACROSS THE CONTROL DEVICE.
5. FAC. LOCATION: T32N, R9E, SEC.15, SE 1/4 OF THE SW 1/4 OF SEC. 15.

REPORT DATE: 07/27/93

DETAILED SOURCE LISTING (Part A)

PAGE H- 521

BLIS ID No. WA-0108

DATE ENTERED/UPDATED: 06/18/93

COMPANY NAME/SITE LOCATION: HARDIE JAMES GYPSUM (WASHINGTON) INC
5931 MARGINAL WAY S
SEATTLE, WA 98134-2414

COUNTY

DETERMINATION IS FOR A NEW SOURCE.

PERMIT NO. NC3238

DETERMINATION MADE BY: PUGET SOUND AIR POLL CONTROL AGENCY, WA
(AGENCY)

CLAUDE WILLIAMS
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 08/07/89
ESTIMATED START-UP DATE-- 04/05/90
(206) 689-4066
(PHONE)

AIRS ID NO. 033-00034

EPA ID NO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT NAME	EMISSION LIMITS (PRIMARY) (STANDARDIZED)		BASIC EST % EFF
			CTRL EQUIPMENT/PROCESS MODIFICATION RANKING INFORMATION		

BURNER, GAS/NO. 6 OIL-FIRED - GYPSUM BOARD DRYER 180.00 FT/MIN

PROCESS CODE 11.004
SCC CODE

PM
CAS NO.

0.0500 GRAINS/DSCF
0.0000

RACT
0.000

NOTES: 1. PERMIT IS FOR ONE 180 FT/MIN AMERICAN KILN 2-ZONE BOARD DRYER WITH
GAS/#6 OIL-FIRED BURNERS AT 60 MMBH TOTAL.

COMPANY NAME/SITE LOCATION: BOEING AEROSPACE (PLT 2)

7755 E MARGINAL WAY S, BG 2-15

SEATTLE, WA 98108-

COUNTY

DATE OF PERMIT ISSUANCE-- 08/21/89

ESTIMATED START-UP DATE-- 01/15/90

(206) 689-4066

(PHONE)

DETERMINATION IS FOR A NEW SOURCE.

PERMIT NO. NC3239

DETERMINATION MADE BY: PUGET SOUND AIR POLL CONTROL AGENCY, WA

CLAUDE WILLIAMS

(AGENCY)

(AGENCY CONTACT PERSON)

AIRS ID NO. 033-00156

EPA ID NO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT NAME	EMISSION LIMITS (PRIMARY) (STANDARDIZED)		BASIS EST % EFF
			CTRL EQUIPMENT/PROCESS MODIFICATION RANKING INFORMATION		
BOILER, STEAM (2) - AIRPLANE MANUFACTURING	80000.00 LB/HR (EACH BOILER)				
PROCESS CODE 11.004		NOX (GAS FUEL)	0.0900 LB/MMBTU		BACT-OTHER
SCC CODE		CAS NO.	0.0900 LB/MMBTU		0.000
			LOW-NOX BURNERS		
		NOX (OIL FUEL)	0.3000 LB/MMBTU		BACT-OTHER
		CAS NO.	0.3000 LB/MMBTU		0.000
			LOW-NOX BURNERS		

- NOTES:
1. PERMIT IS FOR TWO 80,000 LB/HR CLEAVER BROOKS MODEL DLD94 STEAM BOILERS WITH A COAN DAF30 GAS/OIL-FIRED LO-NOX BURNER, REPLACING SIX EXISTING BOILERS.
 2. RESIDUAL OIL MAY BE BURNED IN THE BOILERS ONLY WHEN NATURAL GAS SERVICE IS INTERRUPTED OR AS PART OF THE ANNUAL TURNOVER OF DAYTANK FUEL.
ANNUAL USAGE OF RESIDUAL OIL SHALL NOT EXCEED 40,000 GALLONS.
 3. NOX EMISSIONS MUST BE UNDER 40 TPY TO MEET PSD REQUIREMENTS.
 4. SIX EXISTING BOILERS TO BE OPERATED IN A STANDBY MODE FOR EMERGENCY USE ONLY.
 5. CEM IS REQUIRED BY ARTICLE 12, REGULATION I (PSAPCA).

REPORT DATE: 07/27/93

DETAILED SOURCE LISTING (Part A)
BLIS ID No. WA-0110

PAGE H- 524
DATE ENTERED/UPDATED: 06/22/93

COMPANY NAME/SITE LOCATION: SWEDISH HOSPITAL MEDICAL CENTER
C FL, W WING, 701 SUMMIT AVE
SEATTLE, WA 98104-

COUNTY

DETERMINATION IS FOR A MODIFIED SOURCE.

PERMIT NO. NC3250

DETERMINATION MADE BY: PUGET SOUND AIR POLL CONTROL AGENCY, WA
(AGENCY)

CLAUDE WILLIAMS
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 05/09/89
ESTIMATED START-UP DATE-- 10/04/89
(206) 689-4066
(PHONE)

AIRS ID NO.

EPA ID NO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT NAME	EMISSION LIMITS (PRIMARY) (STANDARDIZED)		BASIS EST % EFF
			CTRL EQUIPMENT/PROCESS MODIFICATION RANKING INFORMATION		

INCINERATION, HOSPITAL, TYPE IV WASTE MATERIAL 800.00 MBH

PROCESS CODE 29.004
SCC CODE

PM
CAS NO.

0.1000 GR/DSCF @ 7% O2
0.0000

RACT
0.000

- NOTES: 1. PERMIT FOR ONE INCINOMITE GAS BURNER AT 800 MBH IN AN EXISTING JOSEPH
GODER JC1 100 PATHOLOGICAL INCINERATOR.
2. THE INCINERATOR MAY ONLY BURN TYPE IV WASTE.

BLIS ID No. WA-0111

DATE ENTERED/UPDATED: 06/21/93

COMPANY NAME/SITE LOCATION: NAVAL SUPPLY CENTER-PUGET SOUND
MANCHESTER FUEL DEPARTMENT
MANCHESTER, WA 98353-

COUNTY

DETERMINATION IS FOR A NEW SOURCE.

PERMIT NO. NC3251

DETERMINATION MADE BY: PUGET SOUND AIR POLL CONTROL AGENCY, WA
(AGENCY)CLAUDE WILLIAMS
(AGENCY CONTACT PERSON)DATE OF PERMIT ISSUANCE-- 06/07/89
ESTIMATED START-UP DATE-- 06/01/89
(206) 689-4066
(PHONE)

AIRS ID NO. 035-00223

EPA ID NO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT NAME	EMISSION LIMITS (PRIMARY) (STANDARDIZED)		BASIC EST % EFF
			CTRL EQUIPMENT/PROCESS MODIFICATION RANKING INFORMATION		

MATL TRANSFER/HAND, FUEL LOADING RACK (TRUCK) 350.00 GPM

PROCESS CODE 42.999
SCC CODEVOC
CAS NO.0.5200 MMBBL/YR
0.0000 0.000

MATL TRANSFER/HAND, FUEL LOADING RACK (MARINE) 3000.00 BBL/HR

PROCESS CODE 42.999
SCC CODEVOC
CAS NO.2.0160 MMBBL/YR
0.0000 0.000

MATERIAL STORAGE, TANKS, FUEL (10)

581000.00 BBL (SUM OF ALL 10)

PROCESS CODE 42.006
SCC CODENONE IDENTIFIED
CAS NO.0.0000
0.0000 0.000

- NOTES: 1. PERMIT IS FOR THREE 27,000 BBL UNDERGROUND STORAGE TANKS (#48, 49, 50):
TWO 50,000 BBL UNDERGROUND STORAGE TANKS (#141, 142): AND FIVE 80,000
BBL 12 FT DEEP BY 44 FT HIGH STORAGE TANKS (#145, 146, 147, 148, 149)
WITH THE FLOATING ROOF AND SECONDARY SEALS. ONE 350 GPM TRUCK LOADING
ARM, AND ONE 3000 BBL/HR MARINE LOADING ARM; ALL ON JP-4 FUEL.
2. TANKS 145-149 ARE SUBJECT TO THE REQUIREMENTS OF SECTION 3.02 OF
REGULATION II (PSAPCA).
3. JP-4 THRUPUT OUT THE TRUCK RACK SHALL NOT EXCEED 520,000 BBL/YR, AND
FOR THE BARGE RACK, JP-4 THRUPUT SHALL NOT EXCEED 2,016,000 BBL/YR.
4. AUTHORITY TO OPERATE THE FACILITY UNDER NC3251 EXPIRED ON 06/30/92.

REPORT DATE: 07/27/93

DETAILED SOURCE LISTING (Part A)
BLIS ID No. WA-0112

PAGE H- 527
DATE ENTERED/UPDATED: 06/21/93

COMPANY NAME/SITE LOCATION: BP OIL COMPANY
520 E D ST
TACOMA, WA 98421-

COUNTY

DETERMINATION IS FOR A NEW SOURCE.

PERMIT NO. NC3253

DETERMINATION MADE BY: PUGET SOUND AIR POLL CONTROL AGENCY, WA
(AGENCY)

CLAUDE WILLIAMS
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 07/25/89
ESTIMATED START-UP DATE-- 12/01/89
(206) 689-4066
(PHONE)

AIRS ID NO. 053-00052

EPA ID NO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT NAME	EMISSION LIMITS (PRIMARY) (STANDARDIZED) CTRL EQUIPMENT/PROCESS MODIFICATION RANKING INFORMATION	BASIS EST % EFF
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MATL TRANSFER/HAND, GASOLINE LOADING

0.00

PROCESS CODE 42.002
SCC CODE

VOC
CAS NO.

35.0000 MG/L GASOLINE TRANSF
0.0000

0.000

CARBON ADSORPTION SYSTEM

CARBON ADSORPTION

0.00

PROCESS CODE 42.002
SCC CODE

VOC
CAS NO.

35.0000 MG/L GASOLINE TRANSF
0.0000

0.000

VAPOR COMBUSTOR

- NOTES: 1. PERMIT FOR ONE J.R. ZINK GVLH8400-2 VAPOR COMBUSTOR UNIT.
2. PERMIT CONDITIONS:
- A) VOC EMISSIONS FROM THE CARBON ADSORPTION SYSTEM SHALL NOT EXCEED 35 MG/L OF GASOLINE TRANSFERRED OF 2% PROPANE BY VOLUME.
 - B) VOC EMISSIONS FROM THE VAPOR COMBUSTOR SHALL NOT EXCEED 35 MG/L OF GASOLINE TRANSFERRED.
 - C) TEMP. OF THE VAPOR COMBUSTOR SHALL BE AT LEAST 1200F WHENEVER IT PROCESSES VAPORS.
 - D) CEM SYSTEMS SHALL BE INSTALLED TO COMPLY WITH AGENCY REGULATIONS.

BLIS ID No. WA-0113

DATE ENTERED/UPDATED: 12/03/92

COMPANY NAME/SITE LOCATION: U.S. NAVY PUGET SOUND NAVAL SHIPYARD
BLDG 431 (STEAM TEST FACILITY)
BREMERTON, WA 98314-5000

COUNTY

DETERMINATION IS FOR A NEW SOURCE.

PERMIT NO. NC3255

DETERMINATION MADE BY: PUGET SOUND AIR POLL CONTROL AGENCY, WA
(AGENCY)CLAUDE WILLIAMS
(AGENCY CONTACT PERSON)DATE OF PERMIT ISSUANCE-- 07/12/89
ESTIMATED START-UP DATE-- 12/01/89
(206) 689-4066
(PHONE)

AIRS ID NO. 035-00003

EPA ID NO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT NAME	EMISSION LIMITS (PRIMARY) (STANDARDIZED)		BASIC EST & EFF
			CTRL EQUIPMENT/PROCESS MODIFICATION RANKING INFORMATION		

STEAM GENERATION

37.00 MMBH

PROCESS CODE 11.999

SCC CODE

NONE IDENTIFIED

CAS NO.

0.0000

0.0000

0.000

NOTES: 1. PERMIT IS FOR TWO SKIDS, EACH SKID WITH TWO VAPOR RG11-E(2)8500-300-
5973-VHK-75-2 STEAM GENERATORS AND ONE SUPERHEATER AT 37 MMBH.2. INSTALLATION IS SUBJECT TO 40 CFR PART 60, SUBPART DC AND SECTION
60.47C SUBPART DC.

REPORT DATE: 07/27/93

DETAILED SOURCE LISTING (Part A)
BLIS ID No. WA-0114

PAGE H- 530
DATE ENTERED/UPDATED: 06/21/93

COMPANY NAME/SITE LOCATION: KITSAP COUNTY SANITARY LANDFILL, INC.
31645 HANVILLE RD NE
HANSVILLE, WA 98340-

COUNTY

DETERMINATION IS FOR A NEW SOURCE.

PERMIT NO. NC3257

DETERMINATION MADE BY: PUGET SOUND AIR POLL CONTROL AGENCY, WA
(AGENCY)

CLAUDE WILLIAMS
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 07/28/89
ESTIMATED START-UP DATE--- 12/01/89
(206) 689-4066
(PHONE)

AIRS ID NO.

EPA ID NO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT NAME	EMISSION LIMITS (PRIMARY) (STANDARDIZED)		BASIC EST & EFF
			CTRL EQUIPMENT/PROCESS MODIFICATION RANKING INFORMATION		

PASSIVE GAS COLLECTION - FLARES (8)

1250.00 ACFM/FLARE

PROCESS CODE 21.002
SCC CODE

VOC
CAS NO.

0.0000
0.0000

BACT-OTHER
0.000

- NOTES: 1. PERMIT IS FOR A PASSIVE GAS COLLECTION SYSTEM WITH EIGHT FLARES AT
1,250 ACFM/FLARE.
2. GAS MONITORING AND SAMPLING IS CONDUCTED IN ACCORDANCE WITH THE PLAN
SUBMITTED TO PSAPCA BY THE OWNER.

REPORT DATE: 07/27/93

DETAILED SOURCE LISTING (Part A)

PAGE H- 531

BLIS ID No. WA-0115

DATE ENTERED/UPDATED: 06/22/93

COMPANY NAME/SITE LOCATION: SWEDISH HOSPITAL MEDICAL CENTER
(INCINERATION FAC.) MARION ST.
SEATTLE, WA 98104-

COUNTY

DETERMINATION IS FOR A NEW SOURCE.

PERMIT NO. NC3266

DETERMINATION MADE BY: PUGET SOUND AIR POLL CONTROL AGENCY, WA
(AGENCY)

CLAUDE WILLIAMS
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 08/01/89
ESTIMATED START-UP DATE-- 09/05/91
(206) 689-4066
(PHONE)

AIRS ID NO.

EPA ID NO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT NAME	EMISSION LIMITS (PRIMARY) (STANDARDIZED)		BASIC EST % EFF
			CTRL EQUIPMENT/PROCESS MODIFICATION RANKING INFORMATION		

INCINERATION, MEDICAL WASTE

800.00 LB/HR

PROCESS CODE 29.004
SCC CODE

PM
CAS NO.

0.0200 GR/DSCF @ 7% O₂
0.0000
BAGHOUSE

BACT-OTHER
0.000

HCL
CAS NO. 7647-01-0

100.0000 PPM @ 7% O₂
0.0000
DRY INJECTION SYSTEM

BACT-OTHER
0.000

NOTES: 1. PERMIT IS FOR ONE THERM-TEC CMM 2980 DRY INJECTION SYSTEM TO CONTROL

ACID GAS EMISSIONS FROM THE INCINERATOR.

2. A CEM SYSTEM FOR HCL AND OXYGEN MUST BE INSTALLED TO MEET ARTICLE 12 OF
REGULATION I (PSAPCA).

REPORT DATE: 07/27/93

DETAILED SOURCE LISTING (Part A)
BLIS ID No. WA-0116

PAGE H- 532
DATE ENTERED/UPDATED: 06/23/93

COMPANY NAME/SITE LOCATION: PRECISION ENGINEERING, INC.

1231 S DIRECTOR ST
SEATTLE, WA 98108-4802

COUNTY

DETERMINATION IS FOR A NEW SOURCE.

PERMIT NO. NC3967

DETERMINATION MADE BY: PUGET SOUND AIR POLL CONTROL AGENCY, WA
(AGENCY)

CLAUDE WILLIAMS
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 07/17/91
ESTIMATED START-UP DATE-- 01/17/92
(206) 689-4066
(PHONE)

AIRS ID NO.

EPA ID NO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT NAME	EMISSION LIMITS (PRIMARY) (STANDARDIZED)		
			CTRL EQUIPMENT/PROCESS MODIFICATION RANKING INFORMATION	BASIS	EST % EFF

ELECTROPLATING, HARD CHROME

0.00

PROCESS CODE 99.007
SCC CODE

CRVI
CAS NO.

0.0060 MG/AMP-HR
0.0000
MIST ELIMINATOR SCRUBBER

BACT-OTHER
0.000

- NOTES: 1. PERMIT IS FOR ONE SPECTRA V KCH HIGH EFFICIENCY MIST ELIMINATOR AT
16,750 CFM TO CONTROL HARD CHROME TANKS #3, #4, AND #5.
2. MUST MEET ALL APPLICABLE PROVISIONS OF PSAPCA'S REGULATION III,
INCLUDING SECTION 3.01(c)(2)(c)

REPORT DATE: 07/27/93

DETAILED SOURCE LISTING (Part A)
BLIS ID No. WA-0117

PAGE H- 533
DATE ENTERED/UPDATED: 06/21/93

COMPANY NAME/SITE LOCATION: CHEMICAL WASTE MANAGEMENT
7215 S 196TH
KENT, WA

COUNTY

DETERMINATION IS FOR A MODIFIED SOURCE.

PERMIT NO. NC3971

DETERMINATION MADE BY: PUGET SOUND AIR POLL CONTROL AGENCY, WA
(AGENCY)

CLAUDE WILLIAMS
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 08/06/91
ESTIMATED START-UP DATE-- 10/31/91
(206) 689-4066
(PHONE)

AIRS ID NO.

EPA ID NO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT NAME	EMISSION LIMITS (PRIMARY) (STANDARDIZED)		BASIC EST & EFF
			CTRL EQUIPMENT/PROCESS MODIFICATION RANKING INFORMATION		

VENTILATION SYSTEM, HAZARDOUS WASTE TRMT PLANT 3500.00 CFM

PROCESS CODE 22.999
SCC CODE

VOC
CAS NO.

0.0000 NOT IDENTIFIED
0.0000
CARBON ADSORBERS (2)

BACT-OTHER
0.000

- NOTES: 1. PERMIT FOR TWO CALGON CARBON IAP-5000 CARBON ADSORBERS AT 3500 CFM TO
REPLACE THE PRESENT CONTROL SYSTEM (SEE NC3004).
2. A PSAPCA APPROVED METHOD MUST BE USED TO MONITOR THE CARBON ADSORBERS
TO ASSURE THAT BREAKTHROUGH DOES NOT OCCUR.

REPORT DATE: 07/27/93

DETAILED SOURCE LISTING (Part A)

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BLIS ID No. WA-0118

DATE ENTERED/UPDATED: 06/22/93

COMPANY NAME/SITE LOCATION: CENTRAL PRE-MIX CONCRETE CO/SEA-TAC
NORTH END OF SEA-TAC RUNWAYS
SEATTLE, WA 98188-

COUNTY

DETERMINATION IS FOR A NEW SOURCE.

PERMIT NO. NC4000

DETERMINATION MADE BY: PUGET SOUND AIR POLL CONTROL AGENCY, WA
(AGENCY)

CLAUDE WILLIAMS
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE--- 08/06/92
ESTIMATED START-UP DATE--- 02/06/92
(206) 689-4066
(PHONE)

AIRS ID NO.

EPA ID NO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT NAME	EMISSION LIMITS (PRIMARY) (STANDARDIZED) CTRL EQUIPMENT/PROCESS MODIFICATION RANKING INFORMATION	BASIS EST & EFF
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CONCRETE BATCH PLANT, PORTABLE

200.00 CY/HR

PROCESS CODE 90.012
SCC CODE

PM
CAS NO.

0.0000
0.0000
PULSE JET BAGHOUSE

BACT-OTHER
0.000

MATERIAL STORAGE, SILO, CEMENT

2400.00 CFT

PROCESS CODE 90.006
SCC CODE

PM
CAS NO.

0.0000
0.0000
PULSE JET BAGHOUSE

BACT-OTHER
0.000

MATERIAL STORAGE, SILO, FLY-ASH

1600.00 CFT

PROCESS CODE 90.006
SCC CODE

PM
CAS NO.

0.0000
0.0000
PULSE JET BAGHOUSE

BACT-OTHER
0.000

- NOTES: 1. PERMIT IS FOR ONE 200 CY/HR PORTABLE CONCRETE BATCH PLANT WITH ONE 2400 CUBIC FEET (CFT) CEMENT SILO AND ONE 1600 CFT FLY-ASH SILO CONTROLLED BY A FFNW 81-10 PULSE JET BAGHOUSE.
2. CENTRAL PRE-MIX/SEA-TAC MUST COMPLY WITH PSAPCA REQUIREMENTS FOR FUGITIVE DUST CONTROL FOR CONCRETE BATCH PLANTS.
3. THE INSTALLATION MUST MEET THE REQUIREMENTS OF SECTION 9.15 OF REGULATION I (PSAPCA).

BLIS ID No. WA-0119

DATE ENTERED/UPDATED: 06/22/93

COMPANY NAME/SITE LOCATION: MANKE LUMBER CO INC (MARINE DR)
1717 MARINE VW DR NE
TACOMA, WA 98422-

COUNTY

DETERMINATION IS FOR A MODIFIED SOURCE.

PERMIT NO. NC4033

DETERMINATION MADE BY: PUGET SOUND AIR POLL CONTROL AGENCY, WA
(AGENCY)

CLAUDE WILLIAMS
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 08/13/91
ESTIMATED START-UP DATE-- 09/01/91
(206) 689-4066
(PHONE)

AIRS ID NO.

EPA ID NO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT NAME	EMISSION LIMITS (PRIMARY) (STANDARDIZED)		BASIC EST % EFF
			CTRL EQUIPMENT/PROCESS MODIFICATION RANKING INFORMATION		

MANUFACTURING, WOOD PELLET

50.00 MMBH/6250 LB/HR WOOD

PROCESS CODE 30.999
SCC CODE

PM
CAS NO.
0.0200 GRAIN/DSCF
0.0000
BACT-OTHER
0.000
REPLACE TRIPLE PASS DRYER SYSTEM WITH SI *

SO2
CAS NO. 7446-09-5
0.0000 NOT GIVEN
0.0000
BACT-OTHER
0.000

NOX
CAS NO.
0.0000 NOT GIVEN
0.0000
BACT-OTHER
0.000
REPLACE TRIPLE PASS DRYER SYSTEM WITH SI *

CO
CAS NO. 630-08-0
0.0000 NOT GIVEN
0.0000
BACT-OTHER
0.000
REPLACE TRIPLE PASS DRYER SYSTEM WITH SI *

VOC	0.0000 NOT LISTED	BACT-OTHER
CAS NO.	0.0000	0.0000
	REPLACE TRIPLE PASS DRYER SYSTEM WITH SI *	
VE	0.0000 NOT GIVEN	BACT-OTHER
CAS NO.	0.0000	0.0000
	REPLACE TRIPLE PASS DRYER SYSTEM WITH SI *	

- NOTES: 1. PERMIT IS TO REPLACE TRIPLE PASS DRYER SYSTEM WITH SINGLE PASS/RECYCLE LINE DESIGN SYSTEM, USING A COEN 230 NATURAL GAS/WOOD-FIRED BURNER AT 50 MMBH/6250 LBS/HR WOOD. THE NEW FLOW LINES WITH RECYCLE ARE PER NATURAL RESOURCES RECOVERY (NR2) REPORT.
2. IF SOURCE TEST DOESN'T DEMONSTRATE COMPLIANCE FOR PARTICULATE EMISSION, THE COMPANY MUST INSTALL A BAGHOUSE (OR EQUIVALENT) WITHIN 90 DAYS.
3. THE INSTALLATION MUST COMPLY WITH SECTION 9.09(A)(B)(4), REGULATION I (PSAPCA).

REPORT DATE: 07/27/93

DETAILED SOURCE LISTING (Part A)

PAGE H- 538

BLIS ID No. WA-0120

DATE ENTERED/UPDATED: 06/21/93

COMPANY NAME/SITE LOCATION: SUPERIOR OIL CO (DIV OF TIME OIL CO)

250 E "D" ST

TACOMA, WA 98421-

COUNTY

DETERMINATION IS FOR A MODIFIED SOURCE.

PERMIT NO. NC4036

DETERMINATION MADE BY: PUGET SOUND AIR POLL CONTROL AGENCY, WA
(AGENCY)

CLAUDE WILLIAMS
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 08/06/91
ESTIMATED START-UP DATE-- 08/01/92
(206) 689-4066
(PHONE)

AIRS ID NO. 053-00032

EPA ID NO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT NAME	EMISSION LIMITS (PRIMARY) (STANDARDIZED)	CTRL EQUIPMENT/PROCESS MODIFICATION RANKING INFORMATION	BASIS EST % EFF
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MATERIAL STORAGE, TANKS (5) - PETROLEUM BULK TERML 125900.00 BBLs (SUM OF ALL 5)

PROCESS CODE 42.002
SCC CODE

VOC
CAS NO.

0.0000 NOT GIVEN
0.0000
INTERNAL FLOATING PANS

BACT-OTHER
0.000

- NOTES: 1. PERMIT IS FOR FIVE REPLACEMENT (GASOLINE/DIESEL/VOC) STORAGE TANKS WITH
INTERNAL FLOATING PANS: #9802, 9800 BBLs (400 X 44); #9803, 9800 BBLs
(400 X 44); #9806, 9800 BBLs (400 X 44), #7904, 7900 BBLs (360 X 44);
AND #88605, 88600 BBLs (1200X44).
2. THE STORAGE TANKS ARE SUBJECT TO THE REQUIREMENTS OF 40 CFR PART 60,
SUBPART KB; AND ALSO TO SECTION 2.04, REGULATION II (PSAPCA).

REPORT DATE: 07/27/93

DETAILED SOURCE LISTING (Part A)

PAGE H- 539

BLIS ID No. WA-0121

DATE ENTERED/UPDATED: 07/07/93

COMPANY NAME/SITE LOCATION: CRESCENT FOODS, INC.
21612 88TH AVE S.
KENT, WA 98031-

COUNTY

DETERMINATION IS FOR A NEW SOURCE.

PERMIT NO. NC4045

DETERMINATION MADE BY: PUGET SOUND AIR POLL CONTROL AGENCY, WA
(AGENCY)

CLAUDE WILLIAMS
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 08/07/91
ESTIMATED START-UP DATE-- 09/01/91
(206) 689-4066
(PHONE)

AIRS ID NO.

EPA ID NO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT NAME	EMISSION LIMITS (PRIMARY) (STANDARDIZED)		BASIS EST & EFF
			CTRL EQUIPMENT/PROCESS MODIFICATION RANKING INFORMATION		

STERILIZATION & DEGASSING, ETHYLENE OXIDE

1000.00 CF

PROCESS CODE 99.004
SCC CODE

ETO (FROM STERILIZ.)
CAS NO. 75-21-8

BACT-OTHER
99.900

ETHYLENE OXIDE (ETO) ABATOR WITH CATALYT *

ETO (FROM DEGAS)
CAS NO. 75-21-8

BACT-OTHER
99.000

ETO ABATOR WITH CATALYTIC CELLS

NOTES: 1. PERMIT FOR ONE MCKENNA 65 HP SCOTCH BOILER AT 3.6 MMBH; ONE AMSCO 1000
CF ETO STERILIZER AND DEGAS CHAMBER CONTROLLED BY A DONALDSON CO.
ETO-ABATOR WITH CATALYTIC CELLS AT 1000 SCFM.

COMPANY NAME/SITE LOCATION: NORTHWEST PLATING CO
825 S DAKOTA ST
SEATTLE, WA 98108-

COUNTY

DETERMINATION IS FOR A NEW SOURCE.

PERMIT NO. NC4049

DETERMINATION MADE BY: PUGET SOUND AIR POLL CONTROL AGENCY, WA
(AGENCY)

CLAUDE WILLIAMS
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 08/27/91
ESTIMATED START-UP DATE-- 08/30/91
(206) 689-4066
(PHONE)

AIRS ID NO. 033-00166

EPA ID NO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT NAME	EMISSION LIMITS (PRIMARY (STANDARDIZED))		BASIC EST % EFF
			CTRL EQUIPMENT/PROCESS MODIFICATION RANKING INFORMATION		

ELECTROPLATING, HARD CHROMIUM

0.00

PROCESS CODE 99.007
SCC CODE

CRVI
CAS NO.

0.0060 MG/AMPERE-HR
0.0000
TANK VENTED AT 1285 CFM, WITH SULFURIC A *

NOTES: 1. PERMIT FOR ONE HALOX HARD COAT ANODIZING SYSTEM, TANK #2 IS VENTED AT
1285 CFM, WITH SULFURIC ACID, SODIUM SULFATE, AND OXALIC ACID.
2. EMISSION LIMIT BASED ON REGULATION III (PSAPCA).

REPORT DATE: 07/27/93

DETAILED SOURCE LISTING (Part A)

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BLIS ID No. WA-0123

DATE ENTERED/UPDATED: 06/21/93

COMPANY NAME/SITE LOCATION: QUEEN CITY PLATING CO INC
11910 CYRUS WY
MUKILTEO, WA 98375-

COUNTY

DETERMINATION IS FOR A NEW SOURCE.

PERMIT NO. NC4072

DETERMINATION MADE BY: PUGET SOUND AIR POLL CONTROL AGENCY, WA
(AGENCY)

CLAUDE WILLIAMS
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 10/10/91
ESTIMATED START-UP DATE-- 04/01/92
(206) 689-4066
(PHONE)

AIRS ID NO.

EPA ID NO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT NAME	EMISSION LIMITS (PRIMARY) (STANDARDIZED)		BASIC EST % EFF
			CTRL EQUIPMENT/PROCESS MODIFICATION RANKING INFORMATION		

BLASTER, BEAD - DECORATIVE CHROMIUM PLATING

300.00 CFM

PROCESS CODE 99.005
SCC CODE

AIR TOXIC (SEE NTS)
CAS NO.

0.0000 NOT GIVEN
0.0000
0.000

PLATING TANK - DECORATIVE CHROMIUM PLATING

0.00

PROCESS CODE 99.005
SCC CODE

AIR TOXIC (SEE NTS)
CAS NO.

0.1500 MG/AMPERE-HR
0.0000
FUME SUPPRESSOR AND AMP-HR METER
BACT-OTHER
0.000

SPRAY BOOTH - DECORATIVE CHROMIUM PLATING

13000.00 CFM

PROCESS CODE 99.005
SCC CODE

AIR TOXIC (SEE NTS)
CAS NO.

0.0000 NOT GIVEN
0.0000
0.000

BLIS ID No. WA-0123

DATE ENTERED/UPDATED: 06/21/93

POLISHING - DECORATIVE CHROMIUM PLATING	0.00				
PROCESS CODE 99.005		AIR TOXIC (SEE NTS)	0.0000 NOT GIVEN		
SCC CODE		CAS NO.	0.0000	0.000	
			CYCLONE AND AN AFTER-FILTER		
DEGREASER, VAPOR - DECORATIVE CHROMIUM PLATING	0.00				
PROCESS CODE 49.008		VOC	0.0000 NOT GIVEN	BACT-OTHER	
SCC CODE		CAS NO.	0.0000	0.000	
			100% FREEBOARD USING TRICHLOROETHYLENE		

- NOTES: 1. PERMIT IS FOR: ONE ZERO MODEL 50-2 BEAD BLASTER AT 300 CFM, ONE DECORATIVE CHROME PLATING TANK WITH FUME SUPPRESSOR AND AMP-HR METER, ONE BLEEKER BROS F-12-8-10 SPRAY BOOTH AT 13,000 DFM, A POLISHING AREA WITH THREE LATHES AND A CYCLONE AT 3000 CFM AND AN AFTER-FILTER, AND A DETREX VS800E VAPOR DEGREASER WITH 100% FREEBOARD USING TRICHLOROETHYLENE.
2. DETERMINATION IDENTIFIES POLLUTANT REGULATED AS "AIR TOXIC" -- MOST LIKELY, THIS POLLUTANT IS CHROMIUM, OR A CHROMIUM COMPOUND.
3. VAPOR DEGREASER CAN NOT BE OPERATED WITHOUT AN APPROVED FREEBOARD CHILLER AFTER 07/01/93.

REPORT DATE: 07/27/93

DETAILED SOURCE LISTING (Part A)

PAGE H- 543

BLIS ID No. WA-0124

DATE ENTERED/UPDATED: 06/21/93

COMPANY NAME/SITE LOCATION: BOEING COMMERCIAL AIRPLANE (EVERETT)

3003 W CASINO RD
EVERETT, WA 98201-

COUNTY

DETERMINATION IS FOR A NEW SOURCE.

PERMIT NO. NC4075

DETERMINATION MADE BY: PUGET SOUND AIR POLL CONTROL AGENCY, WA
(AGENCY)

CLAUDE WILLIAMS
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 12/31/91
ESTIMATED START-UP DATE-- 06/30/92
(206) 689-4066
(PHONE)

AIRS ID NO. 061-00039

EPA ID NO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT NAME	EMISSION LIMITS (PRIMARY) (STANDARDIZED)	
			CTRL EQUIPMENT/PROCESS MODIFICATION RANKING INFORMATION	BASIS EST % EFF

VENTILATION SYSTEM - AIRPLANE MANUFACTURING

35000.00 CFM (VENT SYS)

PROCESS CODE 41.001

SCC CODE

VOC

CAS NO.

0.0000 NONE GIVEN

0.0000

BACT-OTHER

0.000

NOTES: 1. PERMIT IS FOR ONE CIC (CORROSION INHIBITING COMPOUND) PORTABLE

VENTILATING SYSTEM AT 35,000 CFM IN BLDG 40-25, COL L/M-8 (777FBJ).

2. BOEING SHALL PROVIDE VOC OFFSETS AS REQUIRED BY ITS PSD PERMIT FROM
ECOLOGY.

REPORT DATE: 07/27/93

DETAILED SOURCE LISTING (Part A)
BLIS ID No. WA-0125

PAGE H- 544
DATE ENTERED/UPDATED: 06/21/93

COMPANY NAME/SITE LOCATION: BOEING COMMERCIAL AIRPLANE (EVERETT)
3003 W CASINO RD
EVERETT, WA 98201-

COUNTY

DETERMINATION IS FOR A NEW SOURCE.

PERMIT NO. NC4076

DETERMINATION MADE BY: PUGET SOUND AIR POLL CONTROL AGENCY, WA
(AGENCY)

CLAUDE WILLIAMS
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 12/31/91
ESTIMATED START-UP DATE-- 06/30/92
(206) 689-4066
(PHONE)

AIRS ID NO. 061-00039

EPA ID NO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT NAME	EMISSION LIMITS (PRIMARY) (STANDARDIZED)		BACT-OTHER
			CTRL EQUIPMENT/PROCESS MODIFICATION RANKING INFORMATION	BASIS EST % EFF	

VENTILATION SYSTEM - AIRPLANE MANUFACTURING

35000.00 CFM

PROCESS CODE 41.001

SCC CODE

VOC

CAS NO.

0.0000 NONE GIVEN

0.0000

BACT-OTHER
0.000

NOTES: 1. PERMIT IS FOR ONE CIC (CORROSION INHIBITING COMPOUND) PORTABLE

VENTILATING SYSTEM AT 35,000 CFM IN BLDG 40-26, COL N/08 (777 FBJ).

2. BOEING SHALL PROVIDE VOC OFFSETS AS REQUIRED BY ITS PSD PERMIT FROM
ECOLOG.

REPORT DATE: 07/27/93

DETAILED SOURCE LISTING (Part A)

PAGE H- 545

BLIS ID No. WA-0126

DATE ENTERED/UPDATED: 06/21/93

COMPANY NAME/SITE LOCATION: MATSUSHITA SEMICONDUCTOR CRP/AMERICA
1111 39TH AVE SE
PUYALLUP, WA 98374-

COUNTY

DETERMINATION IS FOR A MODIFIED SOURCE.

PERMIT NO. NC4097

DETERMINATION MADE BY: PUGET SOUND AIR POLL CONTROL AGENCY, WA
(AGENCY)

CLAUDE WILLIAMS
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE--- 04/22/92
ESTIMATED START-UP DATE--- 10/22/92
(206) 689-4066
(PHONE)

AIRS ID NO.

EPA ID NO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT NAME	EMISSION LIMITS (PRIMARY) (STANDARDIZED)		BACT-OTHER
			CTRL EQUIPMENT/PROCESS MODIFICATION RANKING INFORMATION	BASIS EST % EFF	

MANUFACTURING, SEMICONDUCTOR - WAFER FABRICATION 0.00

PROCESS CODE 99.011
SCC CODE

NONE IDENTIFIED
CAS NO.

0.0000
0.0000
TWO GUARDIAN AFTERBURNERS AND ONE ACID S *

NOTES: 1. PERMIT FOR 10-K EXPANSION OF THE C-BLDG 6" WAFER FAB WITH A TUBE
CLEANER, SIX WET STATIONS, SEVEN REACTORS, FOUR PLASMA ETCHERS,
FOUR ANNEAL FURNACES, AND A CURE FURNACE WITH TWO GUARDIAN
AFTERBURNERS, AND AN ACID SCRUBBER AT 34,500 CFM

REPORT DATE: 07/27/93

DETAILED SOURCE LISTING (Part A)
BLIS ID No. WA-0127

PAGE H- 546
DATE ENTERED/UPDATED: 06/21/93

COMPANY NAME/SITE LOCATION: KING CO PUBLIC WORKS (CEDAR HILLS)
16645 228TH AVE SE
MAPLE VALLEY, WA 98038-

COUNTY

DETERMINATION IS FOR A MODIFIED SOURCE.

PERMIT NO. NC4109

DETERMINATION MADE BY: PUGET SOUND AIR POLL CONTROL AGENCY, WA
(AGENCY)

CLAUDE WILLIAMS
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 02/25/92
ESTIMATED START-UP DATE-- 08/25/92
(206) 689-4066
(PHONE)

AIRS ID NO. 033-00101

EPA ID NO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT NAME	EMISSION LIMITS (PRIMARY) (STANDARDIZED)		BACT-OTHER
			CTRL EQUIPMENT/PROCESS MODIFICATION RANKING INFORMATION	BASIS EST % EFF	

LANDFILL - BLOWERS (2)

30000.00 CFM @ 523 THERMS/HR

PROCESS CODE 21.002
SCC CODE

NONE IDENTIFIED
CAS NO.

0.0000 NONE GIVEN
0.0000
GAS FLARE

- NOTES: 1. PERMIT FOR TWO NEW BLOWERS AND ONE NEW 4000 CFM LANDFILL GAS FLARE, 12' DIAM. X 40' HIGH, AT 30,000 CFM (1600F) AT 523 THERMS/HOUR.
2. A GEM SYSTEM MUST BE INSTALLED AND OPERATED FOR THE FLARE TEMPERATURE AND GAS FLOWS TO FLARES #1, #2, & #3 PER ARTICLE 12 OF REGULATION I (PSAPCA).
3. ALL FLARES SHALL BE TESTED USING EPA METHODS: 1 & 2 (INLET AND OUTLET); 3A, 4, AND TO-14 (INLET AND OUTLET) (FOR FLARE #3); AND 6C, 7E, AND PSAPCA'S HCL TEST (ON THE OUTLET).

REPORT DATE: 07/27/93

DETAILED SOURCE LISTING (Part A)
BLIS ID No. WA-0128

PAGE H- 547
DATE ENTERED/UPDATED: 12/03/92

COMPANY NAME/SITE LOCATION: HOLNAM, INC., IDEAL DIVISION
5400 W MARGINAL WY SW
SEATTLE, WA 98106-1599

COUNTY

DETERMINATION IS FOR A MODIFIED SOURCE.

PERMIT NO. NC4110

DETERMINATION MADE BY: PUGET SOUND AIR POLL CONTROL AGENCY, WA
(AGENCY)

CLAUDE WILLIAMS
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 10/18/91
ESTIMATED START-UP DATE-- 01/02/92
(206) 689-4066
(PHONE)

AIRS ID NO. 033-00017

EPA ID NO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT NAME	EMISSION LIMITS (PRIMARY (STANDARDIZED))		BASIC EST & EFF
			CTRL EQUIPMENT/PROCESS MODIFICATION RANKING INFORMATION		

CEMENT PLANT (WET PROCESS)

0.00

PROCESS CODE 90.006

SCC CODE

VOC

CAS NO.

0.0000 NONE GIVEN

0.0000

BACT-OTHER 0.000
FUEL REPLACEMENT (TESTS): TBO INSTEAD OF *

NOTES: 1. PERMIT FOR FUEL REPLACEMENT TESTS; START AT 5% COKE FUEL REPLACEMENT
WITH TANK BOTTOM OIL (TBO), UP TO 10% REPLACEMENT.

2. HOLNAM MUST OBTAIN A NC PERMIT FOR A PERMANENT REPLACEMENT WITH TBO.

REPORT DATE: 07/27/93

DETAILED SOURCE LISTING (Part A)

PAGE H- 548

BLIS ID No. WA-0129

DATE ENTERED/UPDATED: 06/21/93

COMPANY NAME/SITE LOCATION: BOEING COMMERCIAL AIRPLANE (EVERETT)

3003 W CASINO RD
EVERETT, WA 98201-

COUNTY

DETERMINATION IS FOR A NEW SOURCE.

PERMIT NO. NC4119

DETERMINATION MADE BY: PUGET SOUND AIR POLL CONTROL AGENCY, WA
(AGENCY)

CLAUDE WILLIAMS
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 01/03/92
ESTIMATED START-UP DATE-- 06/15/92
(206) 689-4066
(PHONE)

AIRS ID NO. 061-00039

EPA ID NO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT NAME	EMISSION LIMITS (PRIMARY) (STANDARDIZED)	
			CTRL EQUIPMENT/PROCESS MODIFICATION RANKING INFORMATION	BASIS EST % EFF

COATING, SURFACE - AIRPLANE MANUFACTURING

84.00 PANELS/YR @ 60000 CFM

PROCESS CODE 41.001

SCC CODE

VOC

CAS NO.

0.0000 IDENTIFIED AS "CALL"

0.0000

BACT-OTHER

0.000

TWO STAGE AIR FILETRS

- NOTES: 1. PERMIT FOR ONE 777 WING PANEL CS&P (CLEAN, SEAL, & PAINT) FACILITY #1,
150'X10'X30', 84 PANELS/YR, AT 60,000 CFM WITH TWO STAGE AIR FILTERS
IN BLDG. 40-34.
2. BOEING SHALL PROVIDE VOC OFFSETS AS REQUIRED BY ITS PSD PERMIT FROM
ECOLOGY.
3. INSTALLATION MUST COMPLY WITH SECTION 3.09 OF REGULATION II (PSAPCA).

REPORT DATE: 07/27/93

DETAILED SOURCE LISTING (Part A)

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BLIS ID No. WA-0136

DATE ENTERED/UPDATED: 06/21/93

COMPANY NAME/SITE LOCATION: BOEING COMMERCIAL AIRPLANE (EVERETT)

3003 W CASINO RD

EVERETT, WA 98201-

COUNTY

DETERMINATION IS FOR A NEW SOURCE.

PERMIT NO. 4126

DETERMINATION MADE BY: PUGET SOUND AIR POLL CONTROL AGENCY, WA

(AGENCY)

CLAUDE WILLIAMS

(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 01/03/92

ESTIMATED START-UP DATE-- 06/15/92

(206) 689-4066

(PHONE)

AIRS ID NO. 061-00039

EPA ID NO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT NAME	EMISSION LIMITS (PRIMARY) (STANDARDIZED)		
			CTRL EQUIPMENT/PROCESS MODIFICATION RANKING INFORMATION	BASIS EST % EFF	

COATING, SURFACE - AIRPLANE MANUFACTURING

84.00 SPARS/YR @ 53000 CFM

PROCESS CODE 41.001

SCC CODE

VOC

CAS NO.

0.0000 NONE GIVEN

0.0000

BACT-OTHER

0.000

TWO STAGE AIR FILTERS

NOTES: 1. PERMIT FOR ONE 777 WING SPAR CS&P (CLEAN, SEAL, & PAINT) FACILITY #4,
126'X15'XOPEN, 84 SPARS/YR, AT 53,000 CFM WITH TWO STAGE AIR FILTERS
IN BLDG. 40-04.

2. BOEING MUST PROVIDE VOC OFFSETS AS REQUIRED BY ITS PSD PERMIT FROM
ECOLOGY.

REPORT DATE: 07/27/93

DETAILED SOURCE LISTING (Part A)
BLIS ID No. WA-0137

PAGE H- 550
DATE ENTERED/UPDATED: 06/21/93

COMPANY NAME/SITE LOCATION: BOEING COMMERCIAL AIRPLANE (EVERETT)
3003 W CASINO RD
EVERETT, WA 98201-

COUNTY

DETERMINATION IS FOR A NEW SOURCE.

PERMIT NO. NC4127

DETERMINATION MADE BY: PUGET SOUND AIR POLL CONTROL AGENCY, WA
(AGENCY)

CLAUDE WILLIAMS
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 01/03/92
ESTIMATED START-UP DATE-- 07/03/92
(206) 689-4066
(PHONE)

AIRS ID NO. 061-00039

EPA ID NO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT NAME	EMISSION LIMITS (PRIMARY) (STANDARDIZED)		BASIC EST % EFF
			CTRL EQUIPMENT/PROCESS MODIFICATION RANKING INFORMATION		

COATING, SURFACE - AIRPLANE MANUFACTURING

42.00 STUBS/YR @ 88600 CFM

PROCESS CODE 41.001
SCC CODE

VOC
CAS NO.

0.0000 GIVEN AS "CALL"
0.0000
TWO STAGE FILTERS
BACT-OTHER
0.000

- NOTES: 1. PERMIT FOR ONE 777 WING BODY JOIN CS&P (CLEAN, SEAL, & PAINT) FACILITY
#1, 60'X28'X32', 42 WING STUBS/YR AT 85,000 CFM (72"DIA. STACK), 3,000
CFM (20" DIA. STACK) AND 600 CFM (10" DIA. STACK) WITH TWO STAGE
FILTERS IN BLDG 40-26, COL L/M-9.
2. BOEING MUST PROVIDE VOC OFFSETS AS REQUIRED IN ITS PSD PERMIT FROM
ECOLOGY.
3. INSTALLATION MUST COMPLY WITH SECTION 3.09 OF REGULATION II (PSAPCA).
4. 88,600 CFM PROCESS THRUPUT IS SUM OF THREE FLOWS.

REPORT DATE: 07/27/93

DETAILED SOURCE LISTING (Part A)

PAGE H- 551

BLIS ID No. WA-0138

DATE ENTERED/UPDATED: 06/21/93

COMPANY NAME/SITE LOCATION: BOEING COMMERCIAL AIRPLANE (EVERETT)

3003 W CASINO RD
EVERETT, WA 98201-

COUNTY

DETERMINATION IS FOR A NEW SOURCE.

PERMIT NO. NC4128

DETERMINATION MADE BY: PUGET SOUND AIR POLL CONTROL AGENCY, WA
(AGENCY) CLAUDE WILLIAMS
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 01/03/92
ESTIMATED START-UP DATE-- 07/03/92
(206) 689-4066
(PHONE)

AIRS ID NO. 061-00039

EPA ID NO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT NAME	EMISSION LIMITS (PRIMARY) - (STANDARDIZED)	
			CTRL EQUIPMENT/PROCESS MODIFICATION RANKING INFORMATION	BASIS EST & EFF

COATING, SURFACE - AIRPLANE MANUFACTURING

42.00 STUBS/YR @ 88600 CFM

PROCESS CODE 41.001

SCC CODE

VOC

CAS NO.

0.0000 GIVEN AS "CALL"

0.0000

BACT-OTHER

0.000

TWO STAGE FILTERS

- NOTES: 1. PERMIT IS FOR ONE 777 WING BODY JOIN CS&P (CLEAN, SEAL, & PAINT)
FACILITY #2, 60'X28'X32', 42 WING STUBS/YR AT 85,000 CFM (72" DIA.
STACK, 3,000 CFM (20" DIA. STACK), AND 600 CFM (10" DIA. STACK) WITH
TWO STAGE FILTERS IN BLDG. 40-26, COL N/0-9.
2. BOEING MUST PROVIDE VOC OFFSETS AS REQUIRED BY ITS PSD PERMIT FROM
ECOLOG.
3. INSTALLATION MUST COMPLY WITH SECTION 3.09 OF REGULATION II (PSAPCA).
4. 88,600 CFM IN THE PROCESS THRUPUT IS THE SUM OF THREE FLOWS.

REPORT DATE: 07/27/93

DETAILED SOURCE LISTING (Part A)

PAGE H- 552

BLIS ID No. WA-0139

DATE ENTERED/UPDATED: 06/21/93

COMPANY NAME/SITE LOCATION: AMD TECHNOLOGIES INC/US EPA-WELL 12A SUPERFUND SITE
3011 S FIFE ST
TACOMA, WA 98409-

COUNTY

DETERMINATION IS FOR A NEW SOURCE.

PERMIT NO. NC4148

DETERMINATION MADE BY: PUGET SOUND AIR POLL CONTROL AGENCY, WA
(AGENCY)

CLAUDE WILLIAMS
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 10/22/91
ESTIMATED START-UP DATE-- 04/21/92
(206) 689-4066
(PHONE)

AIRS ID NO.

EPA ID NO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT NAME	EMISSION LIMITS (PRIMARY) (STANDARDIZED)	CTRL EQUIPMENT/PROCESS MODIFICATION RANKING INFORMATION	BASIS EST % EFF
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SOIL VENT. SYSTEM - SUPERFUND SITE

0.00

PROCESS CODE 22.004

SCC CODE

VOC
CAS NO.

15.0000 LBS/DAY PET. HYDROC.
0.0000
AIR STRIPPER

BACT-OTHER
0.000

PCB

CAS NO. 1336-36-3

0.0000 SEE NOTES
0.0000

BACT-OTHER
0.000

ATSP SOLVENT RECOVERY SYS. W/ THREE CARB *

PCB

CAS NO. 1336-36-3

0.0000 SEE NOTES
0.0000

BACT-OTHER
0.000

FULTON BOILER

- NOTES: 1. PERMIT FOR ONE VIC MODEL 606-30 AIR STRIPPER, A VIC MODEL 572 ATSP SOLVENT RECOVERY SYSTEM WITH THREE CARBON VESSELS, AND A FULTON BOILER TO CONTROL EMISSIONS FROM A SOIL VENTING SYSTEM. THE GROUNDWATER IS CONTAMINATED WITH TRICHLOROETHYLENE (CAS 79-01-06), PERCHLOROETHYLENE (CAS 127-18-4), AND PERCHLOROETHANE (CAS 79-34-5).
2. A CEM SYSTEM MUST BE INSTALLED TO ASSURE THAT APPLICABLE ASIL (AMBIENT SOURCE IMPACT LEVEL) ARE NOT EXCEEDED, PER APPENDIX A, REGULATION III (PSAPCA).
3. THE INSTALLATION MUST COMPLY WITH ARTICLE 12, REGULATION I (PSAPCA).

REPORT DATE: 07/27/93

DETAILED SOURCE LISTING (Part A)
BLIS ID No. WA-0140

PAGE H- 554
DATE ENTERED/UPDATED: 06/21/93

COMPANY NAME/SITE LOCATION: ARLINGTON SAND & GRAVEL CO (KENMORE)
6423 NE 175TH ST
KENMORE, WA 98155-

COUNTY

DETERMINATION IS FOR A NEW SOURCE.

PERMIT NO. NC4150

DETERMINATION MADE BY: PUGET SOUND AIR POLL CONTROL AGENCY, WA
(AGENCY)

CLAUDE WILLIAMS
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 12/02/91
ESTIMATED START-UP DATE-- 04/25/91
(206) 689-4066
(PHONE)

AIRS ID NO.

EPA ID NO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT NAME	EMISSION LIMITS (PRIMARY) (STANDARDIZED)		BASIS EST % EFF
			CTRL EQUIPMENT/PROCESS MODIFICATION RANKING INFORMATION		

CONCRETE BATCH PLANT, READY MIX

0.00

PROCESS CODE 90.012

SCC CODE

NOT IDENTIFIED
CAS NO.

0.0000 NONE GIVEN
0.0000

BACT-OTHER
0.000

BAGHOUSE (AT 4800 CFM)

NOTES: 1. PERMIT FOR ONE COLUMBUS MODEL 1492 BAGHOUSE AT 4800 CFM TO CONTROL A
READY MIX CONCRETE BATCH PLANT.

2. ARLINGTON SAND & GRAVEL CO (KENMORE) MUST IMPLEMENT THE APPLICABLE
REQUIREMENTS CONTAINED ON PSAPCA'S "FUGITIVE DUST CONTROL TECHNIQUES
FOR ASPHALT AND CONCRETE BATCH PLANTS".

3. POLLUTANT EMISSION LIMIT ASSOCIATED WITH SECTION 9.15 OF REGULATION I
(PSAPCA).

REPORT DATE: 07/27/93

DETAILED SOURCE LISTING (Part A)

PAGE H- 555

BLIS ID No. WA-0141

DATE ENTERED/UPDATED: 06/21/93

COMPANY NAME/SITE LOCATION: CHEMICAL PROOF CORP
7220 201ST AVE NE
ARLINGTON, WA 98223-

COUNTY

DETERMINATION IS FOR A NEW SOURCE.

PERMIT NO. NC4165

DETERMINATION MADE BY: PUGET SOUND AIR POLL CONTROL AGENCY, WA
(AGENCY)

CLAUDE WILLIAMS
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 01/17/92
ESTIMATED START-UP DATE-- 11/15/91
(206) 689-4066
(PHONE)

AIRS ID NO.

EPA ID NO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT NAME	EMISSION LIMITS (PRIMARY) (STANDARDIZED)		BACT-OTHER
			CTRL EQUIPMENT/PROCESS MODIFICATION RANKING INFORMATION	BASIS EST % EFF	

MANUFACTURING, FIBERGLASS (FOR CHEMICAL CONTAINERS 0.00

PROCESS CODE 90.033
SCC CODE

VOC
CAS NO.

0.0000 NONE GIVEN
0.0000
INTEGRATED WALL FILTER SYSTEM, DOWNDRAFT *

- NOTES: 1. PERMIT FOR THE MANUFACTURE OF CUSTOM FIBERGLASS FOR CHEMICAL CONTAINERS AND PIPING IN SEVEN AREAS: RESIN PREPARATION/MIXING ROOM; GLASS PREPARATION/CUTTING AREA EXHAUSTED THROUGH FILTERS; TANK FABRICATION AREA WITH FOUR STATIONS, EACH WITH A MANDREL DRIVE, A MOLD, A WINDING CARRIAGE, AND A CHOPPER GUN, USED FOR CONTACT MOLDING PROCESS OR FILAMENT WINDING PROCESS; PIPE FABRICATION AREA: FLATWORK AREA; FITTINGS AREA; AND ASSEMBLY AREA.
2. MUST SUBMIT TO PSAPCA AN EVALUATION OF TEMPLEX AND/OR OTHER WATER/DETERGENT EMULSION ALTERNATIVES TO ACETONE BY JULY 01, 1992.
3. INSTALLATION MUST COMPLY WITH SECTION 9.16, REGULATION I (PSAPCA).

BLIS ID No. WA-0142

DATE ENTERED/UPDATED: 06/21/93

COMPANY NAME/SITE LOCATION: US OIL & REFINING CO
3001 MARSHALL AVENUE
TACOMA, WA 98421-

COUNTY

DETERMINATION IS FOR A NEW SOURCE.

PERMIT NO. NC3170

DETERMINATION MADE BY: PUGET SOUND AIR POLL CONTROL AGENCY, WA
(AGENCY) CLAUDE WILLIAMS
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 12/21/88
ESTIMATED START-UP DATE-- / /
(206) 689-4066
(PHONE)

AIRS ID NO. 053-00022

EPA ID NO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT NAME	EMISSION LIMITS (PRIMARY) (STANDARDIZED)		BASIS EST % EFF
			CTRL EQUIPMENT/PROCESS MODIFICATION RANKING INFORMATION		

MATERIAL STORAGE, TANKS, NAPHTHA (2)

15000.00 BARREL (EACH)

PROCESS CODE 42.006
SCC CODE

VOC
CAS NO.

0.0000 NONE GIVEN - SEE NTS
0.0000
FLOATING ROOF

0.000

MATERIAL STORAGE, TANKS, DIESEL FUEL

28000.00 BARREL

PROCESS CODE 42.999
SCC CODE

VOC
CAS NO.

0.0000 NONE GIVEN - SEE NTS
0.0000

0.000

NOTES: 1. PERMIT FOR TWO 15,000 BARREL NAPHTHA STORAGE TANKS, 52' DIAMETER BY
40' HIGH (#15001 AND #15002) WITH FLOATING ROOF; AND ONE 28,000 BARREL
DIESEL FUEL STORAGE TANK, 70' DIAMETER BY 42' HIGH (#28001).
2. TANKS #15001 AND #15002 ARE SUBJECT TO THE REQUIREMENTS OF 40 CFR PART
60, SUBPART KB.

BLIS ID No. WA-0143

DATE ENTERED/UPDATED: 06/21/93

COMPANY NAME/SITE LOCATION: SUMMIT TIMBER CO
BENNETTVILLE STORE ROAD
DARRINGTON, WA 98241-

COUNTY

DETERMINATION IS FOR A MODIFIED SOURCE.

PERMIT NO. NC3176

DETERMINATION MADE BY: PUGET SOUND AIR POLL CONTROL AGENCY, WA
(AGENCY) CLAUDE WILLIAMS
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 01/06/89
ESTIMATED START-UP DATE-- 06/01/89
(206) 689-4066
(PHONE)

AIRS ID NO. 061-00047

EPA ID NO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT NAME	EMISSION LIMITS (PRIMARY) (STANDARDIZED)		BASIC EST % EFF
			CTRL EQUIPMENT/PROCESS MODIFICATION RANKING INFORMATION		

BOILER, WOOD WASTE

600.00 HP

PROCESS CODE 11.008

SCC CODE

PM

CAS NO.

0.2000 GRAINS/DSCF @ 7% O2

0.0000

RACT

0.000

REGENERATING FLY-ASH COLLECTOR

- NOTES: 1. PERMIT IS FOR A BRESLOVE H-4-RR REGENERATING FLY-ASH COLLECTOR TO
CONTROL EMISSIONS FROM AN EXISTING 600 HP WOOD-WASTE BOILER.
2. OPERATING CONDITIONS FOR UNDERFIRE/OVERFIRE AIR, CINDER REINJECTION,
EXCESS AIR, MAXIMUM FIRING RATE, AND OTHER OPERATING PARAMETERS WILL
BE BASED ON THE CONDITIONS USED DURING A SUCCESSFUL SOURCE TEST.
3. EMISSION LIMIT IS BASED ON TABLE II. B-1 OF SECTION 9.09, REGULATION I
(PSAPCA).

REPORT DATE: 07/27/93

DETAILED SOURCE LISTING (Part A)
BLIS ID No. WA-0144

PAGE H- 558
DATE ENTERED/UPDATED: 06/21/93

COMPANY NAME/SITE LOCATION: SNOHOMISH COUNTY LANDFILL
14528 HIGHWAY 9
SNOHOMISH, WA 98201-

SNOHOMISH COUNTY

DETERMINATION IS FOR A NEW SOURCE.

PERMIT NO. NC3177

DETERMINATION MADE BY: PUGET SOUND AIR POLL CONTROL AGENCY, WA
(AGENCY)

CLAUDE WILLIAMS
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 03/10/89
ESTIMATED START-UP DATE-- 09/01/90
(206) 689-4066
(PHONE)

AIRS ID NO.

EPA ID NO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT NAME	EMISSION LIMITS (PRIMARY) (STANDARDIZED)	CTRL EQUIPMENT/PROCESS MODIFICATION RANKING INFORMATION	BASIS EST % EFF
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LANDFILL GAS CONTROL SYSTEM (3 FLARES)

900.00 CFM

PROCESS CODE 21.002

SCC CODE

VOC

CAS NO.

0.0000 NONE GIVEN

0.0000

BACT-OTHER

0.000

TEMP. = 1500F, MINIMUM RESIDENCE TIME = *

NOTES: 1. PERMIT IS FOR SNOHOMISH COUNTY SOLID WASTE CATHCART LANDFILL GAS
CONTROL SYSTEM CONSISTING OF: (3) JOHN ZINK MODEL ZTOF FLARES OR
EQUIVALENT; (2) HAUCK MODEL TBAB-081-291 OR EQUIVALENT; AND GAS
EXTRACTION PIPING SYSTEM CONNECTED TO EXISTING GAS COLLECTOR TRENCHES.

2. PERMIT CONDITIONS:

- EXHAUST EMISSIONS MUST BE CHARACTERIZED. ANALYSIS SHALL INCLUDE
METHANE, CO₂, CO, O₂, HCL, NOX, SO₂, TRACE ORGANIC AND TRACE
INORGANIC GASES.
- SOURCE TEST FOR HCL, NOX, SO₂, AND TRACE ORGANIC AND INORGANIC
GASES TO BE PERFORMED BY METHOD TO-14.

REPORT DATE: 07/27/93

DETAILED SOURCE LISTING (Part A)

PAGE H- 559

BLIS ID No. WA-0145

DATE ENTERED/UPDATED: 06/22/93

COMPANY NAME/SITE LOCATION: NORTH STAR CASTEEL PRODUCTS, INC.

3901 9TH AVE. S.
SEATTLE, WA 98108-

COUNTY

DETERMINATION IS FOR A NEW SOURCE.

PERMIT NO. NC3181

DETERMINATION MADE BY: PUGET SOUND AIR POLL CONTROL AGENCY, WA
(AGENCY)

CLAUDE WILLIAMS
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 01/23/89
ESTIMATED START-UP DATE-- 06/01/90
(206) 689-4066
(PHONE)

AIRS ID NO.

EPA ID NO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT NAME	EMISSION LIMITS (PRIMARY) (STANDARDIZED)	CTRL EQUIPMENT/PROCESS MODIFICATION RANKING INFORMATION	BASIS EST % EFF
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IRON FOUNDRY (MOLDS)

0.00

PROCESS CODE 81.004
SCC CODE

PM
CAS NO.

0.0200 GRAINS/DSCF
0.0000
BAGHOUSE (16,000 CFM) WITH DUST WETTER S *

BACT-OTHER
0.000

IRON FOUNDRY (SAND SYSTEM)

0.00

PROCESS CODE 81.004
SCC CODE

PM
CAS NO.

0.0200 GRAINS/DSCF
0.0000
BAGHOUSE (31,500 CFM) WITH DUST WETTER S *

BACT-OTHER
0.000

IRON FOUNDRY (WELDING OPERATIONS)

0.00

PROCESS CODE 81.004
SCC CODE

PM
CAS NO.

0.0200 GRAINS/DSCF
0.0000
BAGHOUSE

BACT-OTHER
0.000

- NOTES: 1. PERMIT IS FOR ONE ICA MODEL 625-5 BAGHOUSE AT 16,000 CFM, ONE ICA MODEL 625-8 BAGHOUSE AT 31,500 CFM (SAND SYSTEM), AND REVISE EXISTING MICROPUL BAGHOUSE TO 15,080 CFM AND 4:1 FPM A/C RATIO; EACH ICA BAGHOUSE WITH A DUST WETTER SYSTEM.

REPORT DATE: 07/27/93

DETAILED SOURCE LISTING (Part A)

PAGE H- 561

BLIS ID No. WA-0146

DATE ENTERED/UPDATED: 06/21/93

COMPANY NAME/SITE LOCATION: PRINCETON PACKAGING, INC.

8039 SOUTH 192ND STREET

KENT, WA 98032-

COUNTY

DETERMINATION IS FOR A NEW SOURCE.

PERMIT NO. NC3182

DETERMINATION MADE BY: PUGET SOUND AIR POLL CONTROL AGENCY, WA

(AGENCY)

CLAUDE WILLIAMS

(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 01/23/89

ESTIMATED START-UP DATE-- 03/01/89

(206) 689-4066

(PHONE)

AIRS ID NO. 033-00157

EPA ID NO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT NAME	EMISSION LIMITS (PRIMARY) (STANDARDIZED)		BACT-OTHER EST % EFF
			CTRL EQUIPMENT/PROCESS MODIFICATION RANKING INFORMATION	BASIS	

SOLVENT STILL

0.00

PROCESS CODE 49.008

SCC CODE

VOC

0.0000

CAS NO.

0.0000

0.000

PRINTING PRESS, FLEXOGRAPHIC

0.00

PROCESS CODE 41.021

SCC CODE

VOC

0.0000

CAS NO.

0.0000 NONE GIVEN

0.0000

CATALYTIC REACTOR

BACT-OTHER

60.000

NOTES: 1. PERMIT FOR : ONE NEWGATE SIMS MODEL NSW 3000 PAN CLEANING SYSTEM
DISTILLATION UNIT; AND ONE ANGUIL ENGINEERING MANGANESE DIOXIDE
CATALYTIC REACTOR REPLACING THE SMITH ENGINEERING REACTOR.

2. UNCONTROLLED VOLATILE ORGANIC COMPOUND EMISSIONS FROM PRESSES 1, 2, 3,
4, AND 5 SHALL BE REDUCED BY AT LEAST 60% THROUGH CAPTURE OF THE
EMISSIONS AND CONTROL BY THE SMITH/ANGUIL INCINERATOR.

REPORT DATE: 07/27/93

DETAILED SOURCE LISTING (Part A)
BLIS ID No. WA-0147

PAGE H- 562
DATE ENTERED/UPDATED: 06/21/93

COMPANY NAME/SITE LOCATION: U.S. OIL & REFINING CO.
3001 MARSHALL AVENUE
TACOMA, WA 98421-

COUNTY

DETERMINATION IS FOR A MODIFIED SOURCE.

PERMIT NO. NC 3186

DETERMINATION MADE BY: PUGET SOUND AIR POLL CONTROL AGENCY, WA
(AGENCY)

CLAUDE WILLIAMS
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 01/26/89
ESTIMATED START-UP DATE-- 06/01/89
(206) 689-4066
(PHONE)

AIRS ID NO. 053-00022

EPA ID NO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT NAME	EMISSION LIMITS (PRIMARY) (STANDARDIZED)		BASIC EST % EFF
			CTRL EQUIPMENT/PROCESS MODIFICATION RANKING INFORMATION		

MATERIAL STORAGE, TANK, MIXED FUEL

50000.00 BBLs

PROCESS CODE 42.999
SCC CODE

VOC
CAS NO.

0.0000 NONE GIVEN
0.0000
NO VOC STORAGE, AS PER PERMIT

BACT-OTHER
0.000

MATERIAL STORAGE, TANK, NO. 6 RES. FUEL

50000.00 BBLs

PROCESS CODE 42.999
SCC CODE

VOC
CAS NO.

0.0000 NONE GIVEN
0.0000
NO VOC STORAGE, AS PER PERMIT

BACT-OTHER
0.000

NOTES: 1. PERMIT FOR TANK 50001 (50,000 BBLs STORAGE TANK FOR NO. 6 RESIDUAL FUEL
OIL OR ASPHALT) AND TANK 50002 (50,000 BBLs STORAGE TANK FOR NO. 6
RESIDUAL FUEL OIL) REFERENCE NC2501 - TWO YEAR EXTENSION.
2. NO STORAGE OF VOLATILE ORGANIC COMPOUNDS PERMITTED.

REPORT DATE: 07/27/93

DETAILED SOURCE LISTING (Part A)

PAGE H- 563

BLIS ID No. WA-0148

DATE ENTERED/UPDATED: 06/23/93

COMPANY NAME/SITE LOCATION: BOEING COMMERCIAL AIRLINES (AUBURN)

700 15TH AVE SW
AUBURN, WA 98002-

COUNTY

DETERMINATION IS FOR A NEW SOURCE.

PERMIT NO. NC3191

DETERMINATION MADE BY: PUGET SOUND AIR POLL CONTROL AGENCY, WA
(AGENCY)

CLAUDE WILLIAMS
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 04/28/89
ESTIMATED START-UP DATE-- 10/14/91
(206) 689-4066
(PHONE)

AIRS ID NO. 033-00015

EPA ID NO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT NAME	EMISSION LIMITS (PRIMARY) (STANDARDIZED)	CTRL EQUIPMENT/PROCESS MODIFICATION RANKING INFORMATION	BASIS EST % EFF
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MILL, CHEMICAL - AIRPLANE MANUFACTURING

0.00

PROCESS CODE 49.009
SCC CODE

VOC
CAS NO.

0.0000 NOT GIVEN
0.0000
CARBON ADSORBER

BACT-OTHER
0.000

SPRAY BOOTH - AIRPLANE MANUFACTURING

0.00

PROCESS CODE 41.001
SCC CODE

VOC
CAS NO.

0.0000 NOT GIVEN
0.0000
ELECTROSTATIC SPRAY

BACT-OTHER
0.000

CLEANERS, GUN

0.00

PROCESS CODE 49.999
SCC CODE

NONE IDENTIFIED
CAS NO.

0.0000
0.0000

BACT-OTHER
0.000

COATING, ANODIZING TANK		0.00				
PROCESS CODE 99.002						
SCC CODE	CRVI	0.0060	MG/AMP-HR			BACT-OTHER
	CAS NO.	0.0000				99.800
			SCRUBBERS (4)			
DEGREASER, VAPOR - AIRPLANE MANUFACTURING						
		0.00				
PROCESS CODE 49.008						
SCC CODE	VOC	0.0000	NONE GIVEN			BACT-OTHER
	CAS NO.	0.0000				0.000
			1:1 FREEBOARD RATIO AND REFRIGERATED CHI *			
MILLING, CHEMICAL - AIRPLANE MANUFACTURING						
		0.00				
PROCESS CODE 49.009						
SCC CODE	NONE IDENTIFIED	0.0000				
	CAS NO.	0.0000				0.000
			SCRUBBERS (2)			
COATING STRIP LINE, ORGANIC - AIRPLANE MANUFACTURING						
		0.00				
PROCESS CODE 41.001						
SCC CODE	NONE IDENTIFIED	0.0000				
	CAS NO.	0.0000				0.000
			SCRUBBER			

1. PERMIT IS FOR 11-DOWNDRAFT DRY FILTER SPRAY BOOTHS, 4-WATERWASH SPRAY BOOTHS, 5-OVENS, 5-VAPOR DEGREASERS USING 1,1,1,-TRICHLOROETHANE, 1-ANODIZING LINE WITH 4 SCRUBBERS, 1-CHEMICAL MILLING LINE WITH 2 SCRUBBERS, 1-ORGANIC COATING STRIP LINE WITH 1 SCRUBBER, 1-DIPENETRANT PROCESS, AND 1-CHEMICAL MILL DIP BOOTH WITH CARBON ADSORBER.
2. VAPOR DEGREASERS CHILLERS' SHALL HAVE A RATED COOLING CAPACITY OF AT LEAST 100 BTUS PER HOUR PER FOOT OF DEGREASER PERIMETER.
3. AUTOMATIC RECIPROCATING SPRAY BOOTHS EMPLOY ELECTROSTATIC SPRAY.
4. ALL SPRAY EQUIPMENT SHALL BE CLEANED IN ENCLOSED GUN WASHERS.
5. CARBON ADSORPTION SYSTEM SHALL BE EQUIPPED WITH A CEM.

REPORT DATE: 07/27/93

DETAILED SOURCE LISTING (Part A)

PAGE H- 565

BLIS ID No. WA-0149

DATE ENTERED/UPDATED: 06/21/93

COMPANY NAME/SITE LOCATION: DEPT. OF THE NAVY, PUGET SOUND NAVAL SHIPYARD
ASBESTOS GASKET WORK RM, BD 368
BREMERTON, WA 98314-

COUNTY

DETERMINATION IS FOR A NEW SOURCE.

PERMIT NO. NC3208

DETERMINATION MADE BY: PUGET SOUND AIR POLL CONTROL AGENCY, WA
(AGENCY) CLAUDE WILLIAMS
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 03/29/89
ESTIMATED START-UP DATE-- 10/01/89
(206) 689-4066
(PHONE)

AIRS ID NO. 035-00003

EPA ID NO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT NAME	EMISSION LIMITS (PRIMARY) (STANDARDIZED)		BASIC EST & EFF
			CTRL EQUIPMENT/PROCESS MODIFICATION RANKING INFORMATION		

ASBESTOS GASKET WORK ROOM

0.00

PROCESS CODE 90.999

SCC CODE

NONE IDENTIFIED

CAS NO.

0.0000

0.0000

NESHAPS

0.000

HEPA FILTER AND PREFILTER

NOTES: 1. PERMIT FOR ONE ASBESTOS GASKET WORK ROOM WITH HEPA FILTER (FLANDERS E-7
1X1 66-FZ) AND PREFILTER.

2. FACILITY MUST MEET ALL APPLICABLE CONDITIONS OF 40 CF 61, SUBPART M -
NATIONAL EMISSION STANDARDS FOR ASBESTOS.

REPORT DATE: 07/27/93

DETAILED SOURCE LISTING (Part A)
BLIS ID No. WA-0150

PAGE H- 566
DATE ENTERED/UPDATED: 06/23/93

COMPANY NAME/SITE LOCATION: APPLIED GEOTECHNOLOGY INC.
5TH & E MAIN
PUYALLUP, WA 98371-

COUNTY

DETERMINATION IS FOR A NEW SOURCE.

PERMIT NO. NC3210

DETERMINATION MADE BY: PUGET SOUND AIR POLL CONTROL AGENCY, WA
(AGENCY)

CLAUDE WILLIAMS
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 04/27/89
ESTIMATED START-UP DATE-- 05/08/89
(206) 689-4066
(PHONE)

AIRS ID NO.

EPA ID NO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT NAME	EMISSION LIMITS (PRIMARY) (STANDARDIZED)		BACT-OTHER
			CTRL EQUIPMENT/PROCESS MODIFICATION RANKING INFORMATION	BASIS EST % EFF	

SOIL REMEDIATION

0.00

PROCESS CODE 22.006
SCC CODE

HC
CAS NO.

15.0000 LBS/DAY
0.0000

0.000

NOTES: 1. PERMIT FOR ONE VAPOR EXTRACTION SYSTEM

COMPANY NAME/SITE LOCATION: SEATTLE CAN PLANT (REYNOLDS METAL)

27420 72ND AVE.

KENT, WA 98032-

COUNTY

DETERMINATION IS FOR A NEW SOURCE.

PERMIT NO. NC3223

DETERMINATION MADE BY: PUGET SOUND AIR POLL CONTROL AGENCY, WA
(AGENCY)CLAUDE WILLIAMS
(AGENCY CONTACT PERSON)DATE OF PERMIT ISSUANCE-- 06/22/89
ESTIMATED START-UP DATE-- 06/01/89
(206) 689-4066
(PHONE)

AIRS ID NO. 033-00199

EPA ID NO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT NAME	EMISSION LIMITS (PRIMARY) (STANDARDIZED)		BACT-OTHER
			CTRL EQUIPMENT/PROCESS MODIFICATION RANKING INFORMATION	BASIS EST % EFF	

COATING, CAN

0.00

PROCESS CODE 41.004

SCC CODE

VOC (PLANTWIDE)

CAS NO.

40.0000 TPM

0.0000

BACT-OTHER

0.000

NOTES: 1. PERMIT FOR ONE BASECOATER AND ONE FECO PIN BASECOAT OVEN.

2. THE BASECOATER AND OVEN ARE SUBJECT TO THE REQUIREMENTS OF 40 CFR

PART 60, SUBPART MM.

3. REYNOLDS MUST SHOW COMPLIANCE WITH REGULATIONS AND CONDITIONS THROUGH A
REPORT REQUIRED BY ARTICLE 5 OF REGULATION I (PSAPCA)

REPORT DATE: 07/27/93

DETAILED SOURCE LISTING (Part A)
BLIS ID No. WA-0152

PAGE H- 568
DATE ENTERED/UPDATED: 07/07/93

COMPANY NAME/SITE LOCATION: PORT OF SEATTLE (TERMINAL 108)
4601 DIAGONAL AVE S.,
SEATTLE, WA 98134-

COUNTY

DETERMINATION IS FOR A NEW SOURCE.

PERMIT NO. NC3216

DETERMINATION MADE BY: PUGET SOUND AIR POLL CONTROL AGENCY, WA
(AGENCY)

CLAUDE WILLIAMS
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 05/05/89
ESTIMATED START-UP DATE-- 12/01/89
(206) 689-4066
(PHONE)

AIRS ID NO.

EPA ID NO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT NAME	EMISSION LIMITS (PRIMARY) (STANDARDIZED)		BACT-OTHER EST % EFF
			CTRL EQUIPMENT/PROCESS MODIFICATION RANKING INFORMATION	BASIS	

MATERIAL STORAGE, SILO (4) - DRY CEMENT TERMINAL 0.00

PROCESS CODE 90.006
SCC CODE

NONE IDENTIFIED
CAS NO.

0.0000
0.0000
(2) BAGHOUSES

BACT-OTHER
0.000

MATL TRANSFER/HAND, CONVEYORS, BULK (2) 0.00

PROCESS CODE 90.006
SCC CODE

NONE IDENTIFIED
CAS NO.

0.0000
0.0000
BAGHOUSE

BACT-OTHER
0.000

NOTES: 1. PERMIT FOR ONE DRY BULK CEMENT TERMINAL WITH FOUR STORAGE SILOS, TWO
MICROPUL BAGHOUSES AT 3000 CFM, ONE MICROPUL BAGHOUSE AT 1500 CFM, TWO
BULK CONVEYORS, AND A TRUCK WASH.

COMPANY NAME/SITE LOCATION: HIDDEN VALLEY LANDFILL (THUN FIELD)

17925 MERIDIAN E

PUYALLUP, WA 98373-

COUNTY

DETERMINATION IS FOR A NEW SOURCE.

PERMIT NO. NC3229

DATE OF PERMIT ISSUANCE-- 05/18/89

ESTIMATED START-UP DATE-- 12/01/89

DETERMINATION MADE BY: PUGET SOUND AIR POLL CONTROL AGENCY, WA

CLAUDE WILLIAMS

(206) 689-4066

(PHONE)

(AGENCY)

(AGENCY CONTACT PERSON)

AIRS ID NO.

EPA ID NO.

PROCESSES SUBJECT TO THIS PERMIT		THROUGHPUT CAPACITY	POLLUTANT NAME	EMISSION LIMITS (PRIMARY) (STANDARDIZED)		CTRL EQUIPMENT/PROCESS MODIFICATION RANKING INFORMATION	BASIS EST % EFF
LANDFILL GAS COLLECTION SYSTEM AND GAS FLARE		0.00					
PROCESS CODE 29.003			HCL	100.0000	PPM @ 7% O2		BACT-OTHER
SCC CODE			CAS NO. 7647-01-0	0.0000			0.000
					MINIMUM TEMPERATURE IN COMBUSTION ZONE O *		
				0.0000	SEE NOTES		BACT-OTHER
				0.0000			0.000
					MINIMUM TEMPERATURE IN COMBUSTION ZONE O *		

- NOTES: 1. PERMIT FOR ONE LANDFILL GAS COLLECTION SYSTEM WITH 16 WELLS AND A MCGILL LANDFILL GAS FLARE, 9' DIA. BY 40' HIGH, WITH PROPANE PILOT.
2. MUST COLLECT AND ANALYZE LANDFILL GAS EMISSIONS. ANALYSIS SHALL INCLUDE METHANE, CO2, CO, O2, HCL, AND TRACE ORGANIC AND INORGANIC GASES.
3. FOR POLLUTNAT LISTED AS "TOXIC": REGULATION III (PSAPCA) TOXIC LISTS HAS ALLOWABLE SOURCE IMPACT LEVELS (ASIL) FOR COMPOUNDS FROM LANDFILLS. SOURCE TESTED BY METHOD TO-14.

COMPANY NAME/SITE LOCATION: BANKER'S AUTO REBUILD & TOWING
405 S 7TH
RENTON, WA 98055-

COUNTY

DETERMINATION IS FOR A MODIFIED SOURCE.
PERMIT NO. NC4166

DETERMINATION MADE BY: PUGET SOUND AIR POLL CONTROL AGENCY, WA
(AGENCY)

CLAUDE WILLIAMS
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 10/31/91
ESTIMATED START-UP DATE-- 12/12/91
(206) 689-4066
(PHONE)

AIRS ID NO.

EPA ID NO.

PROCESSES SUBJECT TO THIS PERMIT		THROUGHPUT CAPACITY	POLLUTANT NAME	EMISSION LIMITS (PRIMARY) (STANDARDIZED) CTRL EQUIPMENT/PROCESS MODIFICATION RANKING INFORMATION	BASIS EST % EFF
VOATING, SURFACE - AUTOMOBILE AND LIGHT DUTY TRUCK		0.00			
PROCESS CODE 41.002	VOC			0.0000 NONE GIVEN	BACT-OTHER
SCC CODE	CAS NO.			0.0000	0.000
				AIR FILTRATION SYSTEM	

NOTES: 1. PERMIT FOR UPGRADE OF SPRAY BOOTH AIR FILTRATION SYSTEM TO COMPLY WITH SECTION 9.16 OF REGULATION 1 (PSAPCA); THE EXISTING EXHAUST STACK WAS CONTINGENTLY APPROVED SUBJECT TO CONDITION #4 (PSAPCA MAY REVOKE PERMIT OF A NON-CONFORMING STACK WITH CAUSE AFTER 30 DAYS NOTICE).

COMPANY NAME/SITE LOCATION: ASSOCIATED SAND & GRAVEL (GORST)
SCHILLINGER PIT SR 3 MP29.37LT
GORST, WA 98337-

COUNTY

DETERMINATION IS FOR A NEW SOURCE.
PERMIT NO. NC4168

DATE OF PERMIT ISSUANCE-- 10/31/91

ESTIMATED START-UP DATE-- 07/27/91

DETERMINATION MADE BY: PUGET SOUND AIR POLL CONTROL AGENCY, WA
(AGENCY)

CLAUDE WILLIAMS
(AGENCY CONTACT PERSON)

(206) 689-4066
(PHONE)

AIRS ID NO.

EPA ID NO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT NAME	EMISSION LIMITS (PRIMARY (STANDARDIZED)		BASIS EST % EFF
			CTRL EQUIPMENT/PROCESS MODIFICATION RANKING INFORMATION		

ASPHALT BATCH PLANT	400.00 TPH				
PROCESS CODE 90.004		NOT IDENTIFIED	0.0000 SEE NOTES		0.000
SCC CODE		CAS NO.	0.0000		
			BAGHOUSE WITH K.O. BOX AT 55,000 CFM		

- NOTES: 1. PERMIT FOR ONE STAN-KLEEN MODEL 8000 BAGHOUSE WITH K.O. BOX AT 55,000 CFM TO CONTROL A 400 TPH ASPHALT BATCH PLANT.
2. EMISSION LIMITS BASED ON APPLICABLE REQUIREMENTS CONTAINED IN PSAPCA'S "FUGITIVE DUST CONTROL TECHNIQUES FOR ASPHALT AND CONCRETE BATCH PLANTS".

REPORT DATE: 07/27/93

DETAILED SOURCE LISTING (Part A)

PAGE H- 572

BLIS ID No. WA-0156

DATE ENTERED/UPDATED: 06/22/93

COMPANY NAME/SITE LOCATION: U.S. OIL & REFINING CO
3001 MARSHALL AVE
TACOMA, WA 98421-

COUNTY

DETERMINATION IS FOR A MODIFIED SOURCE.

PERMIT NO. NC4177

DETERMINATION MADE BY: PUGET SOUND AIR POLL CONTROL AGENCY, WA
(AGENCY)

CLAUDE WILLIAMS
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE--- 11/20/91
ESTIMATED START-UP DATE--- 02/28/93
(206) 689-4066
(PHONE)

AIRS ID NO. 053-00022

EPA ID NO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT NAME	EMISSION LIMITS (PRIMARY) (STANDARDIZED)	CTRL EQUIPMENT/PROCESS MODIFICATION RANKING INFORMATION	BASIS EST % EFF
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HEATER, PROCESS - PETROLEUM REFINING

9.80 MMBTU/HR

PROCESS CODE 11.999

SCC CODE

NO2

CAS NO. 10102-44-0

0.1000 LB/MMBTU

0.0000

BACT-OTHER

0.000

REPLACING EXISTING FUEL OIL HYDROTREATIN *

H2S

CAS NO. 7783-06-4

0.1000 GRAINS/DSCF

0.0000

BACT-OTHER

0.000

REPLACE EXISTING FUEL OIL HYDROTREATING *

NOTES: 1. PERMIT FOR ONE FUEL GAS-FIRED HEATER (H-901) AT 9.8 MMBH TO REPLACE AN
EXISTING FUEL OIL HYDROTREATING UNIT HEATER.

2. A CEMS MUST BE INSTALLED FOR H2S, & IT MUST MEET REQUIREMENTS OF 40 CFR
60, APPENDIX B OR OF ARTICLE 12 OF REGULATION I (PSAPCA), WHICHEVER IS
MORE STRINGENT.

3. THE HEATER IS SUBJECT TO THE REQUIREMENTS OF 40 CFR 60, SUBPART J.

BLIS ID No. WA-0157

DATE ENTERED/UPDATED: 06/21/93

COMPANY NAME/SITE LOCATION: L C JERGENS PAINTING COMPANY

417 18TH AVE S.

SEATTLE, WA 98144-

COUNTY

DETERMINATION IS FOR A NEW SOURCE.

PERMIT NO. NC4182

DETERMINATION MADE BY: PUGET SOUND AIR POLL CONTROL AGENCY, WA

(AGENCY)

CLAUDE WILLIAMS

(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 03/31/92

ESTIMATED START-UP DATE-- 03/31/92

(206) 689-4066

(PHONE)

AIRS ID NO.

EPA ID NO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT NAME	EMISSION LIMITS (PRIMARY) (STANDARDIZED)		BACT-OTHER
			CTRL EQUIPMENT/PROCESS MODIFICATION RANKING INFORMATION	BASIS EST % EFF	

COATING, SURFACE, FLAT EXTERIORS AND CABINETING 25200.00 CFM (SUM TOTAL)

PROCESS CODE 41.006

SCC CODE

VOC

CAS NO.

0.0000 NOT GIVEN

0.0000

BACT-OTHER

0.000

STACK HEIGHT AND HRS. OF OPERATION (SEE *

- NOTES: 1. PERMIT FOR TWO BINKS AFRC-531 (26'X14'X9') SPRAY BOOTHS AT 12,600 CFM EACH. THIS SUPERSEDES NC4182 APPROVED ON 11/14/91. ONLY TWO BOOTHS ARE PERMITTED ON THIS SITE.
2. BOOTHS CAN ONLY BE USED BETWEEN THE HOURS OF 7:00 A.M. AND 3:30 P.M.
3. ANY SPRAY BOOTH STACK SHALL BE AT LEAST 30 FEET ABOVE THE GROUND.

COMPANY NAME/SITE LOCATION: NORTHWEST CASCADE, INC.
10308 SALES RD
TACOMA, WA 98444-

COUNTY

DETERMINATION IS FOR A NEW SOURCE.
PERMIT NO. NC4188
DETERMINATION MADE BY: PUGET SOUND AIR POLL CONTROL AGENCY, WA
(AGENCY)

CLAUDE WILLIAMS
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 12/19/91
ESTIMATED START-UP DATE-- 01/25/92
(206) 689-4066
(PHONE)

AIRS ID NO.

EPA ID NO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT NAME	EMISSION LIMITS (PRIMARY)		
			(STANDARDIZED)		
			CTRL EQUIPMENT/PROCESS MODIFICATION	RANKING INFORMATION	BASIS EST % EFF

SOLID WASTE (YARD WASTE) REDUCTION AND TRANSFER	120000.00 CY/YEAR				
PROCESS CODE 29.999		ODOR	0.0000	NONE GIVEN	BACT-OTHER
SCC CODE		CAS NO.	0.0000		0.000

- NOTES: 1. PERMIT FOR ONE 120,000 CY/YR YARD WASTE REDUCTION AND TRANSFER SITE WITH A 25 TPH FUEL HARVESTER EQUIPMENT 500 HP TUB GRINDER, A 70 CY/H RSTI T-550-D PORTABLE TROMMEL SCREEN, A 70 CY/HR FHE PORTABLE TROMMEL SCREEN, A FRONT END LOADER, AND A BACKHOE.
2. THE INSTALLATION MAY NOT ACCEPT FOR COMPOSTING ANYTHING BUT YARD, GARDEN, AND WOOD WASTE.
3. EMISSION LIMIT BASED ON SECTION 5.05(E) OF REGULATION I (PSAPCA).

REPORT DATE: 07/27/93

DETAILED SOURCE LISTING (Part A)

PAGE H- 575

BLIS ID No. WA-0159

DATE ENTERED/UPDATED: 06/22/93

COMPANY NAME/SITE LOCATION: SNOHOMISH CO AIRPORT (PAINE FIELD)

BLDG C, PAINE FIELD

EVERETT, WA 98204-

COUNTY

DETERMINATION IS FOR A NEW SOURCE.

PERMIT NO. NC4191

DETERMINATION MADE BY: PUGET SOUND AIR POLL CONTROL AGENCY, WA
(AGENCY)

CLAUDE WILLIAMS
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 11/14/91
ESTIMATED START-UP DATE-- 07/12/93
(206) 689-4066
(PHONE)

AIRS ID NO.

EPA ID NO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT NAME	EMISSION LIMITS (PRIMARY) (STANDARDIZED)		BASIS EST % EFF
			CTRL EQUIPMENT/PROCESS MODIFICATION RANKING INFORMATION		

LIVE FIRE TRAINING FACILITY

0.00

PROCESS CODE 99.999

SCC CODE

PM

CAS NO.

0.0000 NONE GIVEN

0.0000

0.000

VOC

CAS NO.

0.0000 NONE GIVEN

0.0000

0.000

VE

CAS NO.

0.0000 NONE GIVEN

0.0000

0.000

NOTES: 1. PERMIT IS FOR ONE LIVE FIRE TRAINING FACILITY WITH A 150' DIAM. FIRE
PIT, AN OIL-WATER SEPARATOR, A 240 GALLON ABOVEGROUND GASOLINE STORAGE
TANK, AND A 2000 GALLON ABOVEGROUND K-50 (JET-A) FUEL TANK. REFERENCE
NC3398 (12/20/89).

2. EMISSION LIMITS BASED UPON REGULATION I (PSAPCA).

COMPANY NAME/SITE LOCATION: BOEING DEFENSE & SPACE GROUP (KENT)

20403 68TH AVE S

KENT, WA 98032-

COUNTY

DETERMINATION IS FOR A NEW SOURCE.

PERMIT NO. NC4193

DETERMINATION MADE BY: PUGET SOUND AIR POLL CONTROL AGENCY, WA

CLAUDE WILLIAMS

(AGENCY)

(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 12/19/91

ESTIMATED START-UP DATE-- 05/01/92

(206) 689-4066

(PHONE)

AIRS ID NO. 033-00061

EPA ID NO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT NAME	EMISSION LIMITS (PRIMARY (STANDARDIZED))	
			CTRL EQUIPMENT/PROCESS MODIFICATION RANKING INFORMATION	BASIS EST % EFF

PLATING, ANODIZING, CHROMIC ACID	0.00			
PROCESS CODE 99.002		CRVI	0.1500 MG/AMP-HR	BACT-OTHER
SCC CODE		CAS NO.	0.0000	0.000
			CHROMIC ACID SCRUBBER WITH A VERTICAL DE *	

- NOTES: 1. PERMIT FOR ONE HVP 77-3 CHROMIC ACID SCRUBBER WITH A VERTICAL DEMISTER
AT 11,820 CFM TO CONTROL THE CHROMIC ACID ANODIZING TANK #2-2 IN BLDG.
18-62. REFERENCE NC2293 AND RELATED CORRESPONDENCE.
2. BOEING SHALL INSTALL AND MAINTAIN AN AMP-HOUR METER PURSUANT TO
REGULATION III (PSAPCA).

BLIS ID No. WA-0161

DATE ENTERED/UPDATED: 06/22/93

COMPANY NAME/SITE LOCATION: HOLNAM, INC. IDEAL DIVISION
5400 W MARGINAL WY SW
SEATTLE, WA 98106-1599

COUNTY

DETERMINATION IS FOR A NEW SOURCE.

PERMIT NO. NC4198

DETERMINATION MADE BY: PUGET SOUND AIR POLL CONTROL AGENCY, WA
(AGENCY) CLAUDE WILLIAMS
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 12/10/91
ESTIMATED START-UP DATE-- 06/01/93
(206) 689-4066
(PHONE)

AIRS ID NO. 033-00017

EPA ID NO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT NAME	EMISSION LIMITS (PRIMARY) (STANDARDIZED)	CTRL EQUIPMENT/PROCESS MODIFICATION RANKING INFORMATION	BASIS EST % EFF
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PORTLAND CEMENT MANUFACTURING

0.00

PROCESS CODE 90.028

PM

RACT

SCC CODE

CAS NO.

0.0500 GRAINS/DSCF
0.0000

0.000

INJECTION OF STERICYCLE STERIFUEL AS ALT *

NOTES: 1. PERMIT FOR INJECTION OF STERICYCLE STERIFUEL (FROM MEDICAL WASTE) AS AN

ALTERNATIVE FUEL AT 3185 LBS/HR AND 15,000 TPY.

2. HOLNAM SHALL NOT EXCEED 15,000 TPY OF STERIFUEL UNDER THIS NC4198 AND

SHALL REPORT ANNUALLY THE AMOUNT AND TYPE OF FUEL BURNED PURSUANT TO

ARTICLE 5 OF REGULATION I (PSAPCA).

3. DETERMINATION SUMMARY IDENTIFIED THE CEMENT KILN AND METERING UNIT AS

THE EMISSION POINTS.

REPORT DATE: 07/27/93

DETAILED SOURCE LISTING (Part A)

PAGE H- 578

BLIS ID No. WA-0162

DATE ENTERED/UPDATED: 06/23/93

COMPANY NAME/SITE LOCATION: BOEING COMMERCIAL AIRLINES (AUBURN)

700 15TH ST SW
AUBURN, WA 98002-

COUNTY

DETERMINATION IS FOR A MODIFIED SOURCE.

PERMIT NO. NC4200

DETERMINATION MADE BY: PUGET SOUND AIR POLL CONTROL AGENCY, WA
(AGENCY)

CLAUDE WILLIAMS
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 12/04/91
ESTIMATED START-UP DATE-- 01/15/92
(206) 689-4066
(PHONE)

AIRS ID NO. 033-00015

EPA ID NO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT NAME	EMISSION LIMITS (PRIMARY) (STANDARDIZED)		
			CTRL EQUIPMENT/PROCESS MODIFICATION RANKING INFORMATION	BASIS EST % EFF	

PLATING, CHROME

0.00

PROCESS CODE 99.007

SCC CODE

CRVI

CAS NO.

0.0060 MG/AMP-HR

0.0000

BACT-OTHER

0.000

2 CHROME SCRUBBERS

ELECTROPLATING, HARD CHROMIUM

0.00

PROCESS CODE 99.007

SCC CODE

CRVI

CAS NO.

0.0060 AMP-HR

0.0000

BACT-OTHER

0.000

SCRUBBER

NOTES: 1. PERMIT IS FOR TWO KCH SPECTRA CHROME SCRUBBERS AT 22,000 CFM EACH

REPLACING A SCRUBBER IN BLDG. 17-06; AND ONE KCH SPECTRA SCRUBBER AT
6750 CFM REPLACING A SCRUBBER IN BLDG. 17-07.

2. BOEING SHALL INSTALL AND MAINTAIN AN AMP-HOUR METER(S) PURSUANT TO
REGULATION III (PSAPCA).

REPORT DATE: 07/27/93

DETAILED SOURCE LISTING (Part A)

PAGE H- 579

BLIS ID NO. WA-0163

DATE ENTERED/UPDATED: 06/23/93

COMPANY NAME/SITE LOCATION: LONE STAR NORTHWEST

5975 EAST MARGINAL WAY SOUTH
SEATTLE, WA 98134-

COUNTY

DETERMINATION IS FOR A NEW SOURCE.

PERMIT NO. 3131

DETERMINATION MADE BY: PUGET SOUND AIR POLL CONTROL AGENCY, WA
(AGENCY)

CLAUDE WILLIAMS
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 10/13/88
ESTIMATED START-UP DATE-- 02/10/89
(206) 689-4066
(PHONE)

AIRS ID NO. NA

EPA ID NO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT NAME	EMISSION LIMITS (PRIMARY) (STANDARDIZED)	
			CTRL EQUIPMENT/PROCESS MODIFICATION RANKING INFORMATION	BASIS EST % EFF

CONCRETE BATCH PLANT (2)

200.00 CU. YD/HR (EACH)

PROCESS CODE 90.012
SCC CODE

VE
CAS NO.
0.0000 NONE VISIBLE
0.0000 BACT-OTHER
0.000

BAGHOUSE FOR CEMENT SILOS (2 EACH @ 4000 *

VE
CAS NO.

0.0000 NONE VISIBLE
0.0000 BACT-OTHER
0.000

BAGHOUSE FOR FLYASH SILO (1 EACH @ 4000 *

VE
CAS NO.

0.0000 NONE VISIBLE
0.0000 BACT-OTHER
0.000

WEIGH HOPPER FILTER VENTS (2 EACH @ 180 *

VE
CAS NO.

0.0000 NONE VISIBLE
0.0000 BACT-OTHER
0.000

MIXER BAGHOUSE (1 EACH @ 9000 CFM)

NOTES: 1. PERMIT FOR TWO ERIE STRAVER CONCRETE BATCH PLANTS AT 200 CU. YDS. PER HR EACH (TOTAL OF 400 CU. YDS PER HR), WITH SIX GRIFFIN ENVIRONMENTAL BAGHOUSES: TWO EACH (MODEL JV72-6X) AT 4000 CFM FOR CEMENT SILOS; ONE AT 4000 CFM FOR THE FLYASH SILO; TWO WEIGH HOPPER FILTER VENTS EACH (MODEL 18CDS) AT 180 CFM; AND ONE MIXER BAGHOUSE (MODEL JA-160) AT 9000 CFM.

COMPANY NAME/SITE LOCATION: SOUTHWEST SUBURBAN SEWER DISTRICT

1015 SW 174TH ST

SEATTLE, WA 98166-

COUNTY

DETERMINATION IS FOR A NEW SOURCE.

PERMIT NO. 3135

DETERMINATION MADE BY: PUGET SOUND AIR POLL CONTROL AGENCY, WA

(AGENCY)

CLAUDE WILLIAMS

(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 05/19/89

ESTIMATED START-UP DATE-- 04/01/89

(206) 689-4066

(PHONE)

AIRS ID NO. NW

EPA ID NO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT NAME	EMISSION LIMITS (PRIMARY) (STANDARDIZED)		BASIS EST % EFF
			CTRL EQUIPMENT/PROCESS MODIFICATION RANKING INFORMATION		
WASTE WATER TREATMENT PLANT	0.00				
PROCESS CODE 21.003		H2S	0.0000		BACT-OTHER
SCC CODE		CAS NO. 7783-06-4	0.0000		0.000
		ODOR	0.0000		BACT-OTHER
		CAS NO.	0.0000		0.000

- NOTES: 1. THIS DETERMINATION IS FOR THE MILLER CREEK WASTE WATER TREATMENT PLANT WITH PRIMARY AND SECONDARY ANAEROBIC CROWN CONTROL DIGESTER (WITH FLEXIBLE ENVIREX MEMBRANE COVERS) AND DEWATERING BUILDING WITH: BELT PRESS, STANCO POLYMER FEEDING EQUIPMENT, ALPHA LAVAL SLUDGE HEAT EXCHANGER, CALVERT ODOR CONTROL EQUIPMENT AND (2) 750,000 BTU/HR KEWANEE GAS BOILER.
2. AN OPERATION & MAINTENANCE PLAN, TO BE SUBMITTED BY THE FACILITY, WILL SET THE LIMIT FOR THE 2 POLLUTANTS LISTED: HYDROGEN SULFIDE AND ODOR.

COMPANY NAME/SITE LOCATION: TRIGON PACKAGING CORPORATION

6815 185TH AVE NE

REDMOND, WA 98073-

COUNTY

DETERMINATION IS FOR A NEW SOURCE.

PERMIT NO. 3138

DETERMINATION MADE BY: PUGET SOUND AIR POLL CONTROL AGENCY, WA

CLAUDE WILLIAMS

(AGENCY)

(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 03/07/89

ESTIMATED START-UP DATE-- 10/14/89

(206) 689-4066

(PHONE)

AIRS ID NO. NA

EPA ID NO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT NAME	EMISSION LIMITS (PRIMARY) (STANDARDIZED)		BACT-OTHER
			CTRL EQUIPMENT/PROCESS MODIFICATION RANKING INFORMATION	BASIS EST % EFF	

PRINTING PRESS, FLEXOGRAPHIC (2)	0.00				
PROCESS CODE 41.021		VOC (PLANTWIDE)	46.0000 KG/DAY		BACT-OTHER
SCC CODE		CAS NO.	0.0000		0.000

NOTES: 1. THIS DETERMINATION IS FOR 2 FLEXOGRAPHIC PRESSES:

- * ONE OFFICINE PADINE'S FASTO C.I. 4 COLOR FLEXOGRAPHIC PRESS
- * ONE ZODIAC OFFICINE PADINE SPA MAT NO. 892 FLEXOGRAPHIC PRESS

2. RECORDS OF DAILY VOC EMISSIONS SHALL BE KEPT AND REPORTED ANNUALLY TO THE AGENCY.

BLIS ID No. WA-0166

DATE ENTERED/UPDATED: 06/21/93

COMPANY NAME/SITE LOCATION: BOEING COMM AIRPLANES/CAMO PAINT HANGAR-BLDG 4-41

800 LOGAN AVE, N

RENTON, WA 98055-

COUNTY

DETERMINATION IS FOR A NEW SOURCE.

PERMIT NO. 3142

DETERMINATION MADE BY: PUGET SOUND AIR POLL CONTROL AGENCY, WA

(AGENCY)

CLAUDE WILLIAMS

(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 01/23/89

ESTIMATED START-UP DATE-- 02/01/90

(206) 689-4066

(PHONE)

AIRS ID NO. 033-00202

EPA ID NO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT NAME	EMISSION LIMITS (PRIMARY) (STANDARDIZED)		BACT-PSD EST % EFF
			CTRL EQUIPMENT/PROCESS MODIFICATION RANKING INFORMATION	BASIS	

PAINTING, HANGAR

320000.00 CFM

PROCESS CODE 41.001

SCC CODE

VOC

CAS NO.

0.0000

0.0000

BACT-PSD

0.000

HANGAR-CURING W/ ELECTROSTATIC APPLICATION

20000.00 CFM

PROCESS CODE 41.001

SCC CODE

VOC

CAS NO.

0.0000

0.0000

BACT-PSD

0.000

NOTES: 1. OPERATION & MAINTENANCE PLAN FOR GUN CLEANING - BOEING SHALL SUBMIT THE
PAINT SPRAY GUN CLEANING SYSTEM DESIGN AND SCHEDULE TO PSAPCA FOR
APPROVAL BEFORE COMMENCING OPERATIONS IN THE 4-41 BUILDING.

REPORT DATE: 07/27/93

DETAILED SOURCE LISTING (Part A)
BLIS ID No. WA-0167

PAGE H- 584
DATE ENTERED/UPDATED: 06/21/93

COMPANY NAME/SITE LOCATION: GATX TANK STORAGE TERMINALS CORP
1733 ALASKAN WAY S (PIER 34)
SEATTLE, WA 98134-

COUNTY

DETERMINATION IS FOR A NEW SOURCE.

PERMIT NO. 3147

DETERMINATION MADE BY: PUGET SOUND AIR POLL CONTROL AGENCY, WA
(AGENCY)

CLAUDE WILLIAMS
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 11/07/88
ESTIMATED START-UP DATE-- 01/03/89
(206) 689-4066
(PHONE)

AIRS ID NO. NA

EPA ID NO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT NAME	EMISSION LIMITS (PRIMARY (STANDARDIZED))		BACT-OTHER
			CTRL EQUIPMENT/PROCESS MODIFICATION RANKING INFORMATION	BASIS EST % EFF	

MATERIAL STORAGE, TANK, GASOLINE/DIESEL - NO. 1632 0.00

PROCESS CODE 42.002
SCC CODE

NONE REPORTED
CAS NO.

0.0000
0.0000

BACT-OTHER
0.000

NOTES: 1. TANK NO. 1632 IS FOR TEMPORARY STORAGE OF A GASOLINE/DIESEL MIX.
2. TANK NO. 1632 SHALL BE EMPTY ON OR BEFORE FEBRUARY 1, 1989.

REPORT DATE: 07/27/93

DETAILED SOURCE LISTING (Part A)

PAGE H- 585

BLIS ID No. WA-0168

DATE ENTERED/UPDATED: 06/23/93

COMPANY NAME/SITE LOCATION: AGRI-TECH INC.
1733 CHARELSTON BEACH ROAD
BREMERTON, WA 98112-

COUNTY

DETERMINATION IS FOR A NEW SOURCE.

PERMIT NO. 3150

DETERMINATION MADE BY: PUGET SOUND AIR POLL CONTROL AGENCY, WA
(AGENCY)

CLAUDE WILLIAMS
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 05/01/89
ESTIMATED START-UP DATE-- 10/01/87
(206) 689-4066
(PHONE)

AIRS ID NO. NA

EPA ID NO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT NAME	EMISSION LIMITS (PRIMARY) (STANDARDIZED)		BASIS EST & EFF
			CTRL EQUIPMENT/PROCESS MODIFICATION RANKING INFORMATION		

MUNICIPAL SLUDGE DEWATERING BELT PRESS

0.00

PROCESS CODE 21.999

H2S

30.0000 PPM (1-HOUR AVERAGE)

BACT-OTHER

SCC CODE

CAS NO. 7783-06-4

0.0000

0.000

CARBON ADSORPTION CANISTER, AND BLOWER

NOTES: 1. AGRI-TECH SHALL SUBMIT A PLAN TO MONITOR HYDROGEN SULFIDE (H2S)

EMISSIONS FROM SLUDGE BELT PRESS AND MAINTAIN FUME HOOD TO
EFFECTIVELY CAPTURE ODOROUS GASES.

2. PERMIT FOR ONE MUNICIPAL SLUDGE DE-WATERING BELT PRESS, ANDRITZ CPF-SMX,
TYPE 1-METER (MODEL - 1.0M SMX ARUS) CONTROLLED BY ONE CARBITROL CARBON
ADSORPTION CENISTER (MODEL CARBITROL G3) AND ONE 450 CFM MARITHON BLOWER

3. APPLICABLE CODES: REGULATION 1 - SECTION 9.11 & SECTION 6.07(B)(2).

4. FACILITY MUST RECORD HIGHEST H2S VALUES; REPORT EXCESS EMISSIONS TO THE
AGENCY (PSAPCA).

COMPANY NAME/SITE LOCATION: HYTEK FINISHES COMPANY

8095 S 216TH ST

KENT, WA 98032-

COUNTY

DETERMINATION IS FOR A NEW SOURCE.

PERMIT NO. NC3168

DETERMINATION MADE BY: PUGET SOUND AIR POLL CONTROL AGENCY, WA

(AGENCY)

CLAUDE WILLIAMS

(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 03/21/89

ESTIMATED START-UP DATE-- 06/06/89

(206) 689-4066

(PHONE)

AIRS ID NO. 033-00195

EPA ID NO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT NAME	EMISSION LIMITS (PRIMARY) (STANDARDIZED)		BASIC EST % EFF
			CTRL EQUIPMENT/PROCESS MODIFICATION RANKING INFORMATION		

SPRAY BOOTHS (2)

0.00

PROCESS CODE 41.001

CRVI

0.0060 MG/AMP-HR

BACT-OTHER

SCC CODE

CAS NO.

0.0000

0.000

BOILER

0.00

PROCESS CODE 11.005

NONE IDENTIFIED

0.0000

0.000

SCC CODE

CAS NO.

0.0000

PLATING TANKS, HARD CHROMIUM (4)

0.00

PROCESS CODE 99.007

CRVI

0.0060 MG/AMP-HR

BACT-OTHER

SCC CODE

CAS NO.

0.0000

0.000

SCRUBBERS (2), 31920 CFM EACH

REPORT DATE: 07/27/93

DETAILED SOURCE LISTING (Part A)

PAGE H- 587

BLIS ID No. WA-0169

DATE ENTERED/UPDATED: 06/23/93

PLATING, ANODIZING TANK, CHROMIC ACID

0.00

PROCESS CODE 99.002
SCC CODE

CRVI
CAS NO.

0.0060 MG/AMP-HR
0.0000

BACT-OTHER
0.000

OVENS (3)

0.00

PROCESS CODE 41.999
SCC CODE

CRVI
CAS NO.

0.0060 MG/AMP-HR
0.0000

BACT-OTHER 0.000

DEGREASERS, VAPOR (3)

0.00

PROCESS CODE 49.008
SCC CODE

CRVI
CAS NO.

0.0060 MG/AMP-HR
0.0000
BAGHOUSES (5)

BACT-OTHER
0.000

POLISHERS, METAL (5)

0.00

PROCESS CODE 41.999
SCC CODE

CRVI
CAS NO.

0.0060 GR/AMP-HR
0.0000
CYCLONE (1) @ 17,000 CFM

BACT-OTHER
0.000

PLATING TANKS, HARDCOAT (3)

0.00

PROCESS CODE 99.007
SCC CODE

CRVI
CAS NO.

0.0060 MG/AMP-HR	
0.0000	

BACT-OTHER
0.000

PLATING LINE, COPPER

0.00

PROCESS CODE 99.013
SCC CODE

NONE IDENTIFIED
CAS NO.

0.0000

0.000

BLIS ID No. WA-0169

DATE ENTERED/UPDATED: 06/23/93

PLATING LINE, NICKEL	0.00			
PROCESS CODE 99.013		NONE IDENTIFIED	0.0000	
SCC CODE		CAS NO.	0.0000	0.000
PLATING LINE, CADMIUM	0.00			
PROCESS CODE 99.013		NONE IDENTIFIED	0.0000	
SCC CODE		CAS NO.	0.0000	0.000
PLATING, ANODIZING LINE, COMMERCIAL	0.00			
PROCESS CODE 99.002		NONE IDENTIFIED	0.0000	
SCC CODE		CAS NO.	0.0000	0.000

NOTES: 1. HYTEK FINISHES COMPANY INCLUDING: (2) SPRAY BOOTHS - DEVILBISS (215 VTL & DDAFS-6000M); (1) GAS FIRED BOILER - CONTINENTAL (F 102C200C, 6.7 MMBTU/HR; (4) HARD CHROME PLATING TANKS (1) CHROMIC ANODIZING TANK; (3) OVENS (CUSTOM); (3) VAPOR DEGREASERS - DETREX (VS-800-S); (6) ABRASIVE BLASTERS - PAL GRIFFIN, EMPIRE & VACU BLAST (SAND, BASS, PUMICE); (5) METAL POLISHERS - DIVINE, CHAS, TIME SAVER, HAMMOND ; HARDCOAT PLATING TANKS, COPPER PLATING LINE, CADMIUM PLATING LINE, AND COMMERCIAL ANODIZING LINE.

2. AUTH. TO OPERATE HARD CHROME AND/OR CHROME ANODIZING TANKS EXP 09/01/89.
3. APPLICABLE REGS: REGULATION III; REG. I, SEC. 9.11; SEC. 6.07(8)(2).

REPORT DATE: 07/27/93

DETAILED SOURCE LISTING (Part A)

PAGE H- 589

BLIS ID No. WA-0170

DATE ENTERED/UPDATED: 06/23/93

COMPANY NAME/SITE LOCATION: PUGET SOUND PLYWOOD, INC.

230 EAST F STREET

TACOMA, WA 98421-

COUNTY

DETERMINATION IS FOR A MODIFIED SOURCE.

PERMIT NO. 2991

DETERMINATION MADE BY: PUGET SOUND AIR POLL CONTROL AGENCY, WA

(AGENCY)

CLAUDE WILLIAMS

(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 11/18/87

ESTIMATED START-UP DATE-- 01/01/88

(206) 689-4066

(PHONE)

AIRS ID NO. 053-00007

EPA ID NO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT NAME	EMISSION LIMITS (PRIMARY) (STANDARDIZED)	
			CTRL EQUIPMENT/PROCESS MODIFICATION RANKING INFORMATION	BASIS EST % EFF

BOILER, WOOD-FIRED

150000.00 LB/HR

PROCESS CODE 11.008

SCC CODE

PM

CAS NO.

0.1000 GR/DSCF @ 7% O2

0.0000

RACT

0.000

MULTICYCLONE COLLECTOR (36,000 CFM @ 650 *

VE

CAS NO.

10.0000 % OPACITY @ 3 MIN/HR

0.0000

RACT

0.000

MULTICYCLONE COLLECTOR (36000 CFM @ 650 *

- NOTES: 1. CYCLONE REQUIRED TO MAINTAIN A DIFFERENTIAL PRESSURE > 3.25", BASED ON SOURCE TEST RESULTS.
2. THE FACILITY SHALL CONDUCT A SOURCE TEST WITHIN 60 DAYS OF MULTICYCLONE COMPLETION. BOILER AND MULTICYCLONE OPERATIONAL REQUIREMENTS WILL BE ESTABLISHED BASED ON THE RESULTS OF THIS TEST.
3. THE VISIBLE EMISSIONS LIMIT IS FOR A PERIOD OR PERIODS AGGREGATING MORE THAN 3 MINUTES IN ANY HOUR AND THE PARTICULATE EMISSIONS LIMIT IS CORRECTED TO 7% OXYGEN.
4. PERMIT FOR ONE JOY 9 VC 10T, 56-7, MULTICLONE COLLECTOR AT 36,000 CFM (650F) TO CONTROL EMISSIONS FROM WOOD-FIRED BOILER.

REPORT DATE: 07/27/93

DETAILED SOURCE LISTING (Part A)
BLIS ID No. WA-0171

PAGE H- 591
DATE ENTERED/UPDATED: 06/21/93

COMPANY NAME/SITE LOCATION: MOBIL OIL COMPANY
2423 LIND AVE SW
RENTON, WA 98055-

COUNTY

DETERMINATION IS FOR A NEW SOURCE.

PERMIT NO. 2995

DETERMINATION MADE BY: PUGET SOUND AIR POLL CONTROL AGENCY, WA
(AGENCY)

CLAUDE WILLIAMS
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 02/02/88
ESTIMATED START-UP DATE-- 03/01/88
(202) 689-4052
(PHONE)

AIRS ID NO. NA

EPA ID NO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT NAME	EMISSION LIMITS (PRIMARY) (STANDARDIZED)		
			CTRL EQUIPMENT/PROCESS MODIFICATION RANKING INFORMATION	BASIS EST % EFF	

SOIL VENTING - GAS STATION

0.00

PROCESS CODE 22.004

SCC CODE

VOC
CAS NO.

15.0000 LB BTEX/DAY

0.0000

BACT-OTHER
0.000

AIRPURGE AIR STRIPPER (30 GPM)

NOTES: 1. DETERMINATION IS FOR A PRODUCT RECOVERY SYSTEM WITH A UTILITY VAULT
CO. MODEL 25-5A OIL-WATER SEPARATOR IN ADDITION TO THE AIRPURGE AIR
STRIPPER @ 30 GPM.

REPORT DATE: 07/27/93

DETAILED SOURCE LISTING (Part A)

PAGE H- 592

BLIS ID No. WA-0172

DATE ENTERED/UPDATED: 10/27/92

COMPANY NAME/SITE LOCATION: CH2M-HILL CORP/SUPERFUND SITE
12509 PACIFIC HIGHWAY SW
LAKEWOOD, WA 98499-

COUNTY

DETERMINATION IS FOR A NEW SOURCE.

PERMIT NO. 3003

DETERMINATION MADE BY: PUGET SOUND AIR POLL CONTROL AGENCY, WA
(AGENCY)

CLAUDE WILLIAMS
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 03/01/88
ESTIMATED START-UP DATE-- 06/01/88
(206) 689-4066
(PHONE)

AIRS ID NO. NA

EPA ID NO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT NAME	EMISSION LIMITS (PRIMARY (STANDARDIZED))		BACT-OTHER
			CTRL EQUIPMENT/PROCESS MODIFICATION RANKING INFORMATION	EST % EFF	

VAPOR EXTRACTION SYSTEM-13 EXTR. WELLS

0.00

PROCESS CODE 22.004
SCC CODE

NONE REPORTED
CAS NO.

0.0000
0.0000

CARBON ADSORPTION SYSTEM (2 CANISTERS IN *
BACT-OTHER 0.000

NOTES: 1. A SOURCE TEST WILL ESTABLISH THE EFFICIENCY OF THE CARBON ADSORPTION
SYSTEM.

2. DETERMINATION IS FOR ONE VAPOR EXTRACTION SYSTEM WITH EXTRACTION WELLS
EW #1 THRU #10, AND EH #1 THRU EH #3, CONTROLLED BY A CARBON ABSORPTION
WITH TWO CARBTRON MODEL G-2 CANISTERS IN PARALLEL.

REPORT DATE: 07/27/93

DETAILED SOURCE LISTING (Part A)

PAGE H- 593

BLIS ID No. WA-0173

DATE ENTERED/UPDATED: 06/23/93

COMPANY NAME/SITE LOCATION: CHEMICAL WASTE MANAGEMENT/SUPERFUND SITE

S 196TH ST

KENT, WA 98032-

COUNTY

DETERMINATION IS FOR A NEW SOURCE.

PERMIT NO. 3004

DETERMINATION MADE BY: PUGET SOUND AIR POLL CONTROL AGENCY, WA

(AGENCY)

CLAUDE WILLIAMS

(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 05/24/88

ESTIMATED START-UP DATE-- 07/24/88

(206) 689-4066

(PHONE)

AIRS ID NO. NA

EPA ID NO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT NAME	EMISSION LIMITS (PRIMARY) (STANDARDIZED)	CTRL EQUIPMENT/PROCESS MODIFICATION RANKING INFORMATION	BASIS EST & EFF
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SOIL VENTING

0.00

PROCESS CODE 22.004

SCC CODE

HCL

CAS NO. 7647-01-0

100.0000 PPM @ 7% O2 (DRY)

BACT-OTHER

0.000

WET FUME SCRUBBER @ 4900 CFM & 240 GPM

METHYLENE CHLORIDE

CAS NO. 75-09-2

100.0000 PPM, MAX

BACT-OTHER

0.000

CARBON ADSORPTION SYSTEM W/ THERMAL REG. *

VOC

CAS NO.

0.0000

BACT-OTHER

0.0000

CARBON ADSORPTION SYSTEM W/ THERMAL REG. *

98.000

- NOTES: 1. DETERMINATION IS FOR 1 EXTRACTION STRIPPER TOWER ST-201 @ 200 GPM;
1 TRANS 1,2 STRIPPING TOWER ST-202 @ 60 GPM; VACUUM PUMPING SYSTEM,
3 PUMPS @ 1000 ACFM; 1 CALGON CADRE CARBON ADSORPTION SYSTEM CB 201/202
WITH A THERMAL REGENERATION UNIT, MODEL THOX 201 @ 3450 CFM; QUENCH
TANK QE 201 @ 14,000 CFM; WET FUME SCRUBBER FS-201 @ 4900 CFM & 240 GPM.
2. THE FACILITY SHALL: SUBMIT THE MAKE & MODEL OF THE STRIPPERS & FUME
SCRUBBER; MONITOR THE CARBON ADSORBERS TO ASSURE THAT BREAKTHROUGH DOES
NOT OCCUR; MAINTAIN OPERATING RECORDS OF THE GAS AND LIQUID FLOWS, TIMES
OF OPERATION, PH OF SCRUBBER WATER, & TEMPERATURE OF THOX-201.
3. APPLICABLE CODES: REGULATION 1 CURRENTLY ADOPTED STANDARD.

REPORT DATE: 07/27/93

DETAILED SOURCE LISTING (Part A)

PAGE H- 595

BLIS ID No. WA-0174

DATE ENTERED/UPDATED: 06/23/93

COMPANY NAME/SITE LOCATION: VETERANS ADMINISTRATION MEDICAL CENTER

1660 SOUTH COLUMBIAN WAY

SEATTLE, WA 98108-

COUNTY

DETERMINATION IS FOR A NEW SOURCE.

PERMIT NO. 3006

DETERMINATION MADE BY: PUGET SOUND AIR POLL CONTROL AGENCY, WA

(AGENCY)

CLAUDE WILLIAMS

(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 01/15/88

ESTIMATED START-UP DATE-- 12/01/87

(206) 689-4066

(PHONE)

AIRS ID NO.

EPA ID NO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT NAME	EMISSION LIMITS (PRIMARY) (STANDARDIZED)		
			CTRL EQUIPMENT/PROCESS MODIFICATION	RANKING INFORMATION	BASIS EST % EFF

INCINERATOR, HOSPITAL

900.00 LB/HR

PROCESS CODE 29.004

SCC CODE

PM	0.0200 GR/DSCF @ 7% O2	BACT-OTHER
CAS NO.	0.0000	0.000
	EFB SYS. W/ SORB. INJECTION SYS; ASH COL *	
HCL	100.0000 PPM @ 7% O2	BACT-OTHER
CAS NO. 7647-01-0	0.0000	0.000
	EFB SYS. W/ SORB. INJECTION SYS.; ASH CO *	
VE	10.0000 % OPACITY @ 3 MIN/HR	BACT-OTHER
CAS NO.	0.0000	0.000
	ROCK SCRUBBER	

- NOTES: 1. DETERMINATION IS FOR AN ADVANCED COMBUSTION (AC) MODEL CA-1000
INCINERATOR (900 LB/HR) WITH FEED RAM. SUPERIOR HEAT RECOVERY BOILER,
AC LIQUID WASTE SYSTEM MODEL LI-1000; CONTROLLED BY EFB SYSTEM FDC
416/S-1M (4210 CFM @ 450 F) WITH SORBENT INJECTION SYSTEM; ASH
COLLECTION BAGHOUSE (PULSE JET TYPE) SYSTEM @ 690 CFM (340 F).
(REFERENCE NC 2793)
2. OPACITY FOR VISIBLE EMISSIONS SHALL NOT EXCEED THE LIMIT FOR MORE THAN
3 MINUTES IN ANY 60 MINUTE PERIOD FOR AN AGGREGATE.
3. APPLICABLE CODE: REGULATION I ADOPTED STANDARDS.

REPORT DATE: 07/27/93

DETAILED SOURCE LISTING (Part A)

PAGE H- 597

BLIS ID No. WA-0175

DATE ENTERED/UPDATED: 06/23/93

COMPANY NAME/SITE LOCATION: BOEING ADVANCED SYSTEMS CO./BLDG. 9-67

9725 EAST MARGINAL WAY S

SEATTLE, WA 98108-

COUNTY

DETERMINATION IS FOR A NEW SOURCE.

PERMIT NO. 3012

DETERMINATION MADE BY: PUGET SOUND AIR POLL CONTROL AGENCY, WA

(AGENCY)

CLAUDE WILLIAMS

(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 01/22/88

ESTIMATED START-UP DATE-- 03/01/88

(206) 689-4066

(PHONE)

AIRS ID NO. 033-00156

EPA ID NO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT NAME	EMISSION LIMITS (PRIMARY) (STANDARDIZED)		BASIS EST % EFF
			CTRL EQUIPMENT/PROCESS MODIFICATION	RANKING INFORMATION	

INCINERATOR/AIRPLANE MFG.

600.00 LB/HR

PROCESS CODE 29.999

SCC CODE

HCL

CAS NO. 7647-01-0

100.0000 PPM @ 7% O2

0.0000

BACT-OTHER

0.000

- NOTES: 1. DETERMINATION IS FOR AN ECOLAIRE COMBUSTION PRODUCTS MODEL 780E
CONTROLLED AIR INCINERATOR RATED @ 600 LB/HR OF TYPE O WASTE WITH A
FREYFE FE-5 OPACITY ANALYZER.
2. BOEING SHALL PREPARE AN OPERATING & MAINTENANCE MANUAL FOR THIS
INCINERATOR AND PERFORM A SOURCE TEST (WITHIN 60 DAYS OF START-UP).
3. APPLICABLE CODE: REGULATION I - SECTION 9.09(A)(1)

REPORT DATE: 07/27/93

DETAILED SOURCE LISTING (Part A)

PAGE H- 598

BLIS ID No. WA-0176

DATE ENTERED/UPDATED: 06/22/93

COMPANY NAME/SITE LOCATION: ASSOCIATED SAND & GRAVEL CO., INC.

P.O BOX 2037
EVERETT, WA 98203-

COUNTY

DETERMINATION IS FOR A NEW SOURCE.

PERMIT NO. 3014

DETERMINATION MADE BY: PUGET SOUND AIR POLL CONTROL AGENCY, WA
(AGENCY)

CLAUDE WILLIAMS
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 01/22/88
ESTIMATED START-UP DATE-- 02/11/88
(206) 689-4066
(PHONE)

AIRS ID NO. NA

EPA ID NO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT NAME	EMISSION LIMITS (PRIMARY) (STANDARDIZED)		
			CTRL EQUIPMENT/PROCESS MODIFICATION RANKING INFORMATION	BASIS	EST & EFF

ASPHALT BATCH PLANT

0.00

PROCESS CODE 90.003

SCC CODE

PM

CAS NO.

0.0000

0.0000

BACT-OTHER

0.000

BAGHOUSE @ 69,000 CFM (REVERSE AIR FLOW)

NOTES: 1. SITE LOCATION: SCHILLINGER PIT, SR3 MP 29.37 LT., KITSAP COUNTY.

2. FACILITY SHALL IMPLEMENT THE OPERATION & MAINTENANCE PROCEDURE

SUBMITTED WITH NC 3014.

3. DETERMINATION IS FOR RELOCATION OF ASPHALT BATCH PLANT #4, SERIAL #618,

WITH ONE STANSTEEL RM-80 ASPHALT BATCH PLANT CONTROLLED BY A DUSTEX

RA 15-56 BAGHOUSE @ 69,000 CFM.

4. APPLICABLE CODE: REGULATION I REQUIRES O & M PLAN.

5. BAGHOUSE IS REVERSE AIR FLOW CLEANING SYS. CAPTURED DUST PARTICLES FALL

TO DUST AUGERS IN THE BASE OF THE BAGHOUSE & ARE THEN TRANSFERRED TO THE

HOTSTONE ELEVATOR BUCKETS FOR INCORPORATION INTO THE ASPALT CON. MIXTURE

BLIS ID No. WA-0177

DATE ENTERED/UPDATED: 06/21/93

COMPANY NAME/SITE LOCATION: U.S. OIL & REFINERY CO.
3001 MARSHALL AVE
TACOMA, WA 98421-

COUNTY

DETERMINATION IS FOR A NEW SOURCE.

PERMIT NO. 3023

DETERMINATION MADE BY: PUGET SOUND AIR POLL CONTROL AGENCY, WA
(AGENCY)

CLAUDE WILLIAMS
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 03/16/88
ESTIMATED START-UP DATE-- 04/07/89
(206) 689-4066
(PHONE)

AIRS ID NO. 053-00022

EPA ID NO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT NAME	EMISSION LIMITS (PRIMARY) (STANDARDIZED)		BACT-OTHER
			CTRL EQUIPMENT/PROCESS MODIFICATION RANKING INFORMATION	BASIS EST % EFF	

HEATERS, UNIT (4)

43.40 MMBH

PROCESS CODE 11.999

SCC CODE

NONE REPORTED

CAS NO.

0.0000

0.0000

BACT-OTHER

0.000

NOTES: 1. DETERMINATION IS FOR 4 REPLACEMENT HEATERS IN CRACKING REFORMING UNIT #1

43.4 MMBH, USING REFINERY FUEL GAS.

2. THE FACILITY SHALL MEET THE REQUIREMENTS OF 40 CFR PART 60, SUBPART J.

REPORT DATE: 07/27/93

DETAILED SOURCE LISTING (Part A)

PAGE H- 600

BLIS ID No. WA-0178

DATE ENTERED/UPDATED: 06/21/93

COMPANY NAME/SITE LOCATION: SHELL STATION
801 NW MARKET ST
SEATTLE, WA 98107-

COUNTY

DETERMINATION IS FOR A NEW SOURCE.

PERMIT NO. NC3027

DETERMINATION MADE BY: PUGET SOUND AIR POLL CONTROL AGENCY, WA
(AGENCY)

CLAUDE WILLIAMS
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 03/01/88
ESTIMATED START-UP DATE-- 03/17/88
(206) 689-4066
(PHONE)

AIRS ID NO.

EPA ID NO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT NAME	EMISSION LIMITS (PRIMARY) (STANDARDIZED)		BASIS EST % EFF
			CTRL EQUIPMENT/PROCESS MODIFICATION RANKING INFORMATION		
ENGINE, INDUSTRIAL	0.00				
PROCESS CODE 11.999		NONE IDENTIFIED	0.0000		
SCC CODE		CAS NO.	0.0000		0.000
LEAD SCAVENGER	0.00				
PROCESS CODE 22.006		NONE IDENTIFIED	0.0000		
SCC CODE		CAS NO.	0.0000		0.000
CATALYTIC CONVERTER	0.00				
PROCESS CODE 22.006		NONE IDENTIFIED	0.0000		
SCC CODE		CAS NO.	0.0000		0.000

REPORT DATE: 07/27/93

DETAILED SOURCE LISTING (Part A)

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BLIS ID No. WA-0178

DATE ENTERED/UPDATED: 06/21/93

- NOTES: 1. DETERMINATION IS FOR ONE SOIL VENTURA SYSTEM WITH ONE LPG-FIRED VW 026.2 INDUSTRIAL ENGINE, ONE ECS MODEL PP-101860 LEAD SCAVENGER; ONE ENGELHARD CATALYTIC CONVERTER MODEL PTX-6SF (2-WAY), MODEL PTX-6TF (3-WAY).
2. APPROVAL TO OPERATE UNDER NC3027 EXPIRED MARCH 31, 1989.
3. SOURCE TYPE: SOIL VENTING

REPORT DATE: 07/27/93

DETAILED SOURCE LISTING (Part A)
BLIS ID No. WA-0179

PAGE H- 602
DATE ENTERED/UPDATED: 06/21/93

COMPANY NAME/SITE LOCATION: BOEING COMMERCIAL AIRPLANE CO.
BLDG. 4-86, 800 LOGAN AVE N.
RENTON, WA 98055-

COUNTY

DETERMINATION IS FOR A NEW SOURCE.

PERMIT NO. NC3031

DETERMINATION MADE BY: PUGET SOUND AIR POLL CONTROL AGENCY, WA
(AGENCY)

CLAUDE WILLIAMS
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 03/15/88
ESTIMATED START-UP DATE-- 07/02/90
(206) 689-4066
(PHONE)

AIRS ID NO. 033-00156

EPA ID NO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT NAME	EMISSION LIMITS (PRIMARY) (STANDARDIZED)		BASIC EST % EFF
			CTRL EQUIPMENT/PROCESS MODIFICATION RANKING INFORMATION		

CLEAN AND SEAL, WING

20000.00 CFM EXHAUST

PROCESS CODE 41.001
SCC CODE

NONE IDENTIFIED
CAS NO.

0.0000
0.0000
0.000

LEAK TEST SEALS (4)

114000.00 CFM TOTAL EXHAUST

PROCESS CODE 41.999
SCC CODE

NONE IDENTIFIED
CAS NO.

0.0000
0.0000
0.000

PAINT CELLS, SPAR (8)

400000.00 CFM TOTAL EXHAUST

PROCESS CODE 41.001
SCC CODE

NONE IDENTIFIED
CAS NO.

0.0000
0.0000
0.000

FIBERGLASS FILTERS

PAINTING, IN-SPAR (2 AREAS)		260000.00 CFM TOTAL EXHAUST	
PROCESS CODE 41.001	NONE IDENTIFIED	0.0000	
SCC CODE	CAS NO.	0.0000	0.000
		FIBERGLASS FILTERS	

- NOTES: 1. DETERMINATION IS FOR BUILDING 4-86 WHICH INCLUDES: WING CLEAN AND SEAL AREA W/ 20,000 CFM EXHAUST, 4 LEAK TEST CELLS W/ 114,000 CFM TOTAL EXHAUST, 8 SPAR PAINT CELLS W/ 400,000 CFM TOTAL EXHAUST CONTROLLED BY FIBERGLASS FILTERS, AND 2 IN-SPAR PAINT AREAS W/ 260,000 CFM TOTAL EXHAUST CONTROLLED BY FIBERGLASS FILTERS.
2. PERMIT CONDITION: DISPOSE OF ALL SOLVENT WIPES USING WET PRETREATMENT CONTAINERS (DESCRIBED IN APPENDIX C OF APPLICATION).
3. FACILITY WAS REQUIRED TO CONDUCT FEASIBILITY STUDY FOR CONVERTING THE IN-SPAR PAINTING TO ELECTROSTATIC APPLICATION & REPORT RESULTS TO PSAPCA BY 01/01/89. IF SUCCESSFUL, INCLUDE SCHEDULE IN REPORT FOR INSTALLATION

REPORT DATE: 07/27/93

DETAILED SOURCE LISTING (Part A)

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BLIS ID No. WA-0180

DATE ENTERED/UPDATED: 06/21/93

COMPANY NAME/SITE LOCATION: TEXACO REFINING & MARKET
1805 BRONSON WAY NORTH
RENTON, WA 98055-

COUNTY

DETERMINATION IS FOR A NEW SOURCE.

PERMIT NO. 3034

DETERMINATION MADE BY: PUGET SOUND AIR POLL CONTROL AGENCY, WA
(AGENCY)

CLAUDE WILLIAMS
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 04/05/88
ESTIMATED START-UP DATE-- 04/09/88
(206) 689-4066
(PHONE)

AIRS ID NO. NA

EPA ID NO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT NAME	EMISSION LIMITS (PRIMARY) (STANDARDIZED) CTRL EQUIPMENT/PROCESS MODIFICATION RANKING INFORMATION	BASIS EST & EFF
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SOIL VENT SYSTEMS/OIL RECOVERY (2)

0.00

PROCESS CODE 22.006

SCC CODE

VOC (HYDROCARBON)

CAS NO. SEQ.11

15.0000 LB/DAY

0.0000

BACT-OTHER

0.000

NOTES: 1. MONITORING OF THE SOURCE DAILY FOR 2 WEEKS & SUBMISSION OF A
MONITORING/CONTROL PROGRAM.

2. DETERMINATION IS FOR TWO RETRON OIL RECOVERY/SOIL VENT SYSTEMS.

BLIS ID No. WA-0181

DATE ENTERED/UPDATED: 06/22/93

COMPANY NAME/SITE LOCATION: FIELDS PRODUCTS, INC.
2240 TAYLOR WAY
TACOMA, WA 98421-

COUNTY

DETERMINATION IS FOR A NEW SOURCE.

PERMIT NO. 3035

DETERMINATION MADE BY: PUGET SOUND AIR POLL CONTROL AGENCY, WA
(AGENCY)CLAUDE WILLIAMS
(AGENCY CONTACT PERSON)DATE OF PERMIT ISSUANCE-- 08/03/88
ESTIMATED START-UP DATE--- 09/30/88
(206) 689-4066
(PHONE)

AIRS ID NO. NA

EPA ID NO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT NAME	EMISSION LIMITS (PRIMARY) (STANDARDIZED)		BASIS EST % EFF
			CTRL EQUIPMENT/PROCESS MODIFICATION RANKING INFORMATION		

FELT ASPHALT SATURATOR

150.00 ROLLS/HR

PROCESS CODE 90.034

SCC CODE

PM

CAS NO.

400.0000 G/MEGA G OF PRODUCT

0.0000

NSPS

0.000

FILTRATION SYSTEM W/ MIST ELIMINATOR

NOTES: 1. DETERMINATION IS FOR 1 FELT ASPHALT SATURATOR (150 ROLLS/HR) CONTROLLED

BY A HEAF (ROTARY DRUM) 30-772-LD FILTRATION SYSTEM WITH MIST ELIMINATOR
AT 22,500 ACFM (95 F). (REFERENCE NC 2797)2. SHALL COMPLY WITH ALL APPLICABLE PROVISIONS OF 40 CFR 60, SUBPART UU
INCLUDING:

*SOURCE TEST WITHIN 60 DAYS OF STARTUP

*CONTINUOUS TEMPERATURE MONITORING OF THE INLET GAS TO THE HEAF SYSTEM

3. THE OPACITY REQUIREMENT WILL BE BASED ON THE OPACITY EMITTED DURING A
SUCCESSFUL SOURCE TEST.

REPORT DATE: 07/27/93

DETAILED SOURCE LISTING (Part A)

PAGE H- 606

BLIS ID No. WA-0182

DATE ENTERED/UPDATED: 06/23/93

COMPANY NAME/SITE LOCATION: M.A. SEGAL, INC./PLANT NO. 2603
"R" STREET & ORAVETZ ROAD
AUBURN, WA 98002-

COUNTY

DETERMINATION IS FOR A NEW SOURCE.

PERMIT NO. 3041

DETERMINATION MADE BY: PUGET SOUND AIR POLL CONTROL AGENCY, WA
(AGENCY)

CLAUDE WILLIAMS
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 03/29/88
ESTIMATED START-UP DATE-- 04/28/88
(206) 689-4066
(PHONE)

AIRS ID NO. NA

EPA ID NO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT NAME	EMISSION LIMITS (PRIMARY) (STANDARDIZED)		
			CTRL EQUIPMENT/PROCESS MODIFICATION RANKING INFORMATION	BASIS EST % EFF	

ASPHALT DRUM MIX PLANT

750.00 TPH

PROCESS CODE 90.003
SCC CODE

VE
CAS NO.

10.0000 % OPACITY
0.0000
NSPS
0.000
VENTURI SCRUBBER; CENTRIFUGAL DEWATERING *

- NOTES: 1. DETERMINATION IS FOR 1 BITUMASTOR MS 600 DRUM MIX ASPHALT PLANT
(SERIAL NO. MS600 RS-962-87-NA) CONTROLLED BY A VENTURI SCRUBBER @
100,000 CFM & CENTRIFUGAL DEWATERING SYSTEM; ASPHALT PLANT FUELED WITH
NATURAL GAS. PLANT PRODUCTION IS NOT TO EXCEED 750 TPH.
2. VISIBLE EMISSION LIMIT NOT EXCEEDED MORE THAN 3 MINUTES IN 60-MIN PERIOD
3. PLANT IS SUBJECT TO REQUIREMENTS OF 40 CFR 60, SUBPART I.
4. MAX STACK TEMP, MINIMUM VENTURE PRESSURE DROP, AND MAX % OF RECYCLED
ASPHALT PAVEMENT WILL BE BASED ON THAT USED DURING THE SOURCE TEST.
5. PLANT SHALL MAINTAIN A CONTINUOUS MEASUREMENT OF STACK TEMP & SCRUBBER
PRESSURE DROP & COMPLY WITH ITS OPERATION & MAINTENANCE PLAN.

COMPANY NAME/SITE LOCATION: MOHAWK NORTHERN PLASTICS, INC.

701 A ST. NW

AUBURN, WA 98002-

COUNTY

DETERMINATION IS FOR A NEW SOURCE.

PERMIT NO. 3051

DETERMINATION MADE BY: PUGET SOUND AIR POLL CONTROL AGENCY, WA

CLAUDE WILLIAMS

(AGENCY)

(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 07/21/88

ESTIMATED START-UP DATE-- 07/21/88

(206) 689-4066

(PHONE)

AIRS ID NO. 033-00213

EPA ID NO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT NAME	EMISSION LIMITS (PRIMARY (STANDARDIZED)		BACT-OTHER
			CTRL EQUIPMENT/PROCESS MODIFICATION RANKING INFORMATION	BASIS EST % EFF	
PRINTING PRESS, FLEXOGRAPHY (4)	0.00				
PROCESS CODE 40.021		VOC	0.0000		
SCC CODE		CAS NO.	0.0000		
		INCINERATOR			60.000

- NOTES: 1. DETERMINATION IS FOR 2 MINIFLEX MODEL 20 FLEXOGRAPHIC PRESSES (FP7-MF & 31207), 1 CARRARO CR1496 #80 FLEXOGRAPHIC PRESS (#390) AND 1 CARRARO G87 FLEXOGRAPHIC PRESS (#583).
2. SOURCE TEST EMISSIONS FOR COMPLIANCE WITH REGULATION II 3.05.
3. INCINERATOR HAS A CAPTURE AND CONTROL EFFICIENCY >= 60% FOR VOC.

REPORT DATE: 07/27/93

DETAILED SOURCE LISTING (Part A)

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BLIS ID No. WA-0184

DATE ENTERED/UPDATED: 06/21/93

COMPANY NAME/SITE LOCATION: U.S. NAVY
MANCHESTER FUEL SUPPLY DEPOT
MANCHESTER, WA 98353-

COUNTY

DETERMINATION IS FOR A MODIFIED SOURCE.

PERMIT NO. NC3075

DETERMINATION MADE BY: PUGET SOUND AIR POLL CONTROL AGENCY, WA
(AGENCY)

CLAUDE WILLIAMS
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 08/08/88
ESTIMATED START-UP DATE-- 12/01/88
(206) 689-4066
(PHONE)

AIRS ID NO. 035-00223

EPA ID NO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT NAME	EMISSION LIMITS (PRIMARY) (STANDARDIZED)		BASIS EST % EFF
			CTRL EQUIPMENT/PROCESS MODIFICATION RANKING INFORMATION		

MATERIAL STORAGE, UNDERGROUND TANKS (3)

27000.00 BBL EACH

PROCESS CODE 42.009
SCC CODE

NONE IDENTIFIED
CAS NO.

0.0000
0.0000

NSPS
0.000

MATERIAL STORAGE, UNDERGROUND TANKS (2)

50000.00 BBL EACH

PROCESS CODE 42.009
SCC CODE

NONE IDENTIFIED
CAS NO.

0.0000
0.0000

NSPS
0.000

MATERIAL STORAGE, TANKS (5)

80000.00 BBL EACH

PROCESS CODE 42.006
SCC CODE

NONE IDENTIFIED
CAS NO.

0.0000
0.0000

NSPS
0.000

FLOATING ROOF & SECONDARY SEAL

MATL TRANSFER/HAND, TRUCK LOADING ARM	350.00 GPM		
PROCESS CODE 42.999		NONE IDENTIFIED	0.0000
SCC CODE		CAS NO.	0.0000
		NSPS	0.000
MATL TRANSFER/HAND, MARINE LOADING ARM	3000.00 BBL/HR		
PROCESS CODE 42.999		NONE IDENTIFIED	0.0000
SCC CODE		CAS NO.	0.0000
		NSPS	0.000

NOTES: 1. DETERMINATION FOR THREE 27,000 BBL UNDERGROUND STORAGE TANKS (UST)(#48, 49,50); TWO 50,000 BBL UST (#141,142); FIVE 80,000 120 FEET DEEP BY 44 FEET HIGH STORAGE TANKS (#145,146,147,148,149) W/ FLOATING ROOFS AND SECONDARY SEALS. ONE 350 GPM TRUCK LOADING ARM, & ONE MARINE LOADING ARM; ALL ON JP-4 FUEL.

2. LIMITS:JP-4 THRUPUT--520,000 GPY OUT TRUCK RACK, 2,016,000 GPY OUT BARGE RACK. TANKS 145-149 SUBJECT TO REQUIREMENTS OF SEC. 3.02, REG. II.

3. APPLICANT REQUIRED TO CONDUCT ENGINEERING STUDY OF FEASIBILITY COST EFFECTIVENESS OF INSTALLING VAPOR RECOVERY ON TRUCK RACK, BARGE RACK, & STORAGE TANKS 48-50 AND 141-142; REPORT SUBMITTED BY JANUARY 01, 1989.

REPORT DATE: 07/27/93

DETAILED SOURCE LISTING (Part A)
BLIS ID No. WA-0185

PAGE H- 610
DATE ENTERED/UPDATED: 06/23/93

COMPANY NAME/SITE LOCATION: BUSE TIMBER SALES
3812 28TH PL NE
EVERETT, WA 98206-

COUNTY

DETERMINATION IS FOR A NEW SOURCE.

PERMIT NO. 3084

DETERMINATION MADE BY: PUGET SOUND AIR POLL CONTROL AGENCY, WA
(AGENCY)

CLAUDE WILLIAMS
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 07/07/88
ESTIMATED START-UP DATE-- 12/01/88
(206) 689-4066
(PHONE)

AIRS ID NO.

EPA ID NO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT NAME	EMISSION LIMITS (PRIMARY) (STANDARDIZED)		BASIS EST % EFF
			CTRL EQUIPMENT/PROCESS MODIFICATION RANKING INFORMATION		

COMBUSTION, WOOD WASTE

10.00 MMBH

PROCESS CODE 11.008

SCC CODE

VE

CAS NO.

10.0000 % OPACITY @ 3 MIN/HR

0.0000

BACT-OTHER

0.000

A. AERO-CLONE; AND B. FABRIC FILTER

NOTES: 1. DETERMINATION IS FOR 1 ENERGY STREAMS 4601 JOHNSON BIOCOMBUSTER @

10 MMBH WITH 1 GENERAL RESOURCES MODEL 9100.24 AERO-CLONE AND

1 MODEL 14066-10 SUPERIET FABRIC FILTER.

2. IF VISIBLE EMISSIONS EXCEED 10% OPACITY FOR MORE THAN 3 MIN IN ANY 60

MIN PERIOD FOR AN AGGREGATE, THE CONTROL OFFICER MAY REQUIRE A SOURCE

TEST TO DEMONSTRATE COMPLIANCE WITH SECTION 9.09 OF REGULATION I AND/OR

TO CONDUCT CONTINUOUS MONITORING PURSUANT TO ARTICLE 12 OR REGULATION I.

BLIS ID No. WA-0186

DATE ENTERED/UPDATED: 06/23/93

COMPANY NAME/SITE LOCATION: KING COUNTY SOLID WASTE DIVISION
18850 130TH AVE SW
VASHON ISLAND, WA 98070-

COUNTY

DETERMINATION IS FOR A MODIFIED SOURCE.

PERMIT NO. 3085

DETERMINATION MADE BY: PUGET SOUND AIR POLL CONTROL AGENCY, WA
(AGENCY)

CLAUDE WILLIAMS
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 07/07/88
ESTIMATED START-UP DATE-- 10/01/89
(206) 689-4066
(PHONE)

AIRS ID NO. NA

EPA ID NO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT NAME	EMISSION LIMITS (PRIMARY) (STANDARDIZED)	
			CTRL EQUIPMENT/PROCESS MODIFICATION RANKING INFORMATION	BASIS EST % EFF

LANDFILL GAS VENTING SYSTEM-INST/COMM

500.00 CFM

PROCESS CODE 21.002
SCC CODE

HC
CAS NO.

0.0000
0.0000
RACT
0.000

H2S
CAS NO.

0.0000
0.0000
RACT
0.000

- NOTES: 1. DETERMINATION IS FOR VASHON ISLAND LANDFILL TEMPORARY PASSIVE GAS VENTING SYSTEM WITH GAS COLLECTION GRAVEL TRENCHES, PIPES, AND (4) PASSIVE FLARES.
2. FACILITY SHALL MEASURE FLOW RATES AND CONCENTRATION OF METHANE, CO2, O2, VOC (TOTAL HYDROCARBONS), AND HYDROGEN SULFIDE ON A QUARTERLY BASIS. NO EMISSION LIMITS FOR THESE POLLUTANTS WERE REPORTED.

REPORT DATE: 07/27/93

DETAILED SOURCE LISTING (Part A)
BLIS ID No. WA-0187

PAGE H- 612
DATE ENTERED/UPDATED: 06/21/93

COMPANY NAME/SITE LOCATION: CITY OF EDMONDS - WWTP
200 2ND AVE S
EDMONDS, WA 98020-

COUNTY

DETERMINATION IS FOR A NEW SOURCE.

PERMIT NO. 3097

DETERMINATION MADE BY: PUGET SOUND AIR POLL CONTROL AGENCY, WA
(AGENCY)

CLAUDE WILLIAMS
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 11/09/89
ESTIMATED START-UP DATE-- 08/15/90
(206) 689-4066
(PHONE)

AIRS ID NO. NA

EPA ID NO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT NAME	EMISSION LIMITS (PRIMARY) (STANDARDIZED)	CTRL EQUIPMENT/PROCESS MODIFICATION RANKING INFORMATION	BASIS EST % EFF
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INCINERATOR, SLUDGE

0.00

PROCESS CODE 21.004

SCC CODE

PM

CAS NO.

0.0200 GR/DSCF @ 7% O2

0.0000

BACT-OTHER

0.000

VENTURI/IMPINGEMENT TRAY SCRUBBER

NOTES: 1. DETERMINATION IS FOR 1 DORR-OLIVER FLUIDIZED BED SLUDGE INCINERATOR WITH
SLY VENTURI/IMPINGEMENT TRAY SCRUBBER @ 2600 CFM; SOLIDS HANDLING BLDG
ODOR CONTROL SYSTEM USING A PACKED TOWER SCRUBBER @ 20,000 CFM;
3 ACTIVATED SLUDGE DIFFUSED AIR AERATION BASINS WITH AAF ROLL-O-MAT
ELECTRONIC AIR FILTER & AAF PLEATED FILTER @ 12,000 CFM; 2 SECONDARY
CLARIFIERS; CHLORINE CONTACT CHAMBERS.
2. APPLICABLE CODES: 40 CFR 60, SUBPART O (NSPS) & 40 CFR 61, SUBPART E
(NESHAPS); REGULATION I (SECT. 9.09 & ART. 12); REGULATION III (AASI).
3. SOURCE TEST FOR CADMIUM TO DEMONSTRATE LEVEL IS BELOW IAAQC AND O & M
PLAN FOR PARTICULATE AND ODOR EMISSIONS. CONTINUOUSLY MONITOR SCRUBBER.

REPORT DATE: 07/27/93

DETAILED SOURCE LISTING (Part A)

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BLIS ID No. WA-0188

DATE ENTERED/UPDATED: 06/21/93

COMPANY NAME/SITE LOCATION: CITY OF LYNNWOOD WWT
BROWNS POINT ROAD
LYNNWOOD, WA 98046-

COUNTY

DETERMINATION IS FOR A NEW SOURCE.

PERMIT NO. 3098

DETERMINATION MADE BY: PUGET SOUND AIR POLL CONTROL AGENCY, WA
(AGENCY) CLAUDE WILLIAMS
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 10/18/88
ESTIMATED START-UP DATE-- 03/11/91
(206) 689-4066
(PHONE)

AIRS ID NO. NA

EPA ID NO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT NAME	EMISSION LIMITS (PRIMARY) (STANDARDIZED)		BACT-OTHER
			CTRL EQUIPMENT/PROCESS MODIFICATION RANKING INFORMATION	EST % EFF	

INCINERATION, SEWAGE SLUDGE

0.00

PROCESS CODE 21.004

SCC CODE

PM

CAS NO.

0.0200 GR/DSCF @ 7% O2

0.0000

BACT-OTHER

0.000

VENTURI SCRUBBER, SEPARATER AND COOLER

- NOTES: 1. DETERMINATION IS FOR DORR-OLIVER FLUIDIZED BED OR EQUAL SLUDGE
INCINERATOR WITH VENTURI SCRUBBER, SEPARATOR & COOLER @ 4000 ACFM;
SOLIDS HANDLING BUILDING ODOR CONTROL CALGON 5-1/70 OR EQUAL PACKED
TOWER, SCRUBBER AND CARBON BED ADSORBER @ 1000 ACFM; ACTIVATED SLUDGE
DIFFUSED AIR AERATION BASINS (3); SECONDARY TREATMENT CLARIFIERS (4);
AND HUMBOLT-WEDGE CP3-2 OR EQUAL SLUDGE CENTRIFUGE.
2. APPLICABLE CODES: 40 CFR 60 SUBPART O (NSPS), 61 SUBPART E (NESHAPS);
REGULATION I-SECT. 9.09; REGULATION III-ALLOWABLE AMBIENT SOURCE IMPACTS
3. SOURCE TEST FOR CO, NI, & AR TO SHOW THAT AMBIENT CONCENTRATION DOES NOT
EXCEED IAAQC (INCREMENTAL AMBIENT AIR QUALITY CONCENTRATION).

REPORT DATE: 07/27/93

DETAILED SOURCE LISTING (Part A)

PAGE H- 614

BLIS ID No. WA-0189

DATE ENTERED/UPDATED: 10/29/92

COMPANY NAME/SITE LOCATION: CITY OF EVERETT PUBLIC WORKS

4027 4TH STREET SE

EVERETT, WA 98203-

COUNTY

DETERMINATION IS FOR A NEW SOURCE.

PERMIT NO. 3099

DETERMINATION MADE BY: PUGET SOUND AIR POLL CONTROL AGENCY, WA

(AGENCY)

CLAUDE WILLIAMS

(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 08/19/88

ESTIMATED START-UP DATE-- 12/01/88

(206) 689-4066

(PHONE)

AIRS ID NO. NA

EPA ID NO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT NAME	EMISSION LIMITS (PRIMARY) (STANDARDIZED)		
			CTRL EQUIPMENT/PROCESS MODIFICATION RANKING INFORMATION	BASIS	EST % EFF

WASTE WATER TREATMENT PLANT

0.00

PROCESS CODE 21.003

SCC CODE

ODOR

CAS NO.

0.0000

0.0000

RACT

0.000

NOTES: 1. DETERMINATION IS FOR WATER/WASTEWATER TREATMENT PLANT CONSISTING OF:

*TRICKLING FILTER PUMPING STATION (TWO 8 MGAL/D VERTICAL PUMPS);

*TRICKLING FILTERS (TWO 85 FT DIAMETER PLASTIC MEDIA FILTERS);

*AERATED SOLIDS CONTACT/SLUDGE REAERATION TANK (707,000 GAL BASIN);

*SECONDARY CLARIFIERS (TWO 105 FT DIA. FLOCCULATING-TYPE CLARIFIERS); AND

*CHLORINATION FACILITIES (CHLORINE FEED EQUIPMENT & CHLORINE CONTACT TANKS)

2. DEPT. OF PUBLIC WORKS SHALL DEVELOP AN OPERATION & MAINTENANCE PLAN

FOR ODOR CONTROL TO ASSURE COMPLIANCE WITH REGULATIONS I & II AS

SPECIFIED IN REGULATION I - SECTION 5.05(E). ODOR LIMIT IS NUISANCE

AIR POLLUTION.

REPORT DATE: 07/27/93

DETAILED SOURCE LISTING (Part A)

PAGE H- 615

BLIS ID No. WA-0190

DATE ENTERED/UPDATED: 06/21/93

COMPANY NAME/SITE LOCATION: SPECTRUM GLASS CO., INC.

24305 WOODINVILLE-SNOHOMISH RD
WOODINVILLE, WA 98072-

COUNTY

DETERMINATION IS FOR A NEW SOURCE.

PERMIT NO. 3101

DETERMINATION MADE BY: PUGET SOUND AIR POLL CONTROL AGENCY, WA
(AGENCY)

CLAUDE WILLIAMS
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 07/19/88
ESTIMATED START-UP DATE-- 06/01/91
(206) 689-4066
(PHONE)

AIRS ID NO. NA

EPA ID NO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT NAME	EMISSION LIMITS (PRIMARY) (STANDARDIZED)		BASIC EST % EFF
			CTRL EQUIPMENT/PROCESS MODIFICATION RANKING INFORMATION		

MANUFACTURING, GLASS

0.00

PROCESS CODE 90.016
SCC CODE

METHYLENE CHLORIDE
CAS NO. 75-09-2

0.8000 LB/HR
0.0000

BACT-OTHER

0.000

SUBMIT SOURCE TEST TO DEMONSTRATE COMPLI *

PM

0.0200 GR/DSCF

BACT-OTHER

CAS NO.

0.0000

0.000

INCINERATOR, DRY SCRUBBER, AND PULSET

NOTES: 1. DETERMINATION IS FOR (1) IRRIDIZED GLASS PROCESS WITH 2 SPRAY HOODS,

1 ECLIPSE INCINI-ONE #136IC, 1 SFC MODEL 15 DRY SCRUBBER AND

1 DONALDSON-DAY MODEL 60HPT8 HYBRED PULSEJET @ 6000 CFM (155 F).

2. FACILITY SHALL SUBMIT A COPY OF ANY EMISSION TESTS FOR THIS PROCESS.

REPORT DATE: 07/27/93

DETAILED SOURCE LISTING (Part A)

PAGE H- 616

BLIS ID No. WA-0191

DATE ENTERED/UPDATED: 06/23/93

COMPANY NAME/SITE LOCATION: SEATTLE SOLID WASTE UTILITY/MIDWAY LANDFILL
24808 PACIFIC HIGHWAY SOUTH
KENT, WA - COUNTY

DETERMINATION IS FOR A NEW SOURCE.

PERMIT NO. 3125

DETERMINATION MADE BY: PUGET SOUND AIR POLL CONTROL AGENCY, WA
(AGENCY)

CLAUDE WILLIAMS
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 11/08/88
ESTIMATED START-UP DATE-- 05/01/89
(206) 689-4066
(PHONE)

AIRS ID NO. NA

EPA ID NO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT NAME	EMISSION LIMITS (PRIMARY) (STANDARDIZED)		BASIS EST % EFF
			CTRL EQUIPMENT/PROCESS MODIFICATION RANKING INFORMATION		

LANDFILL GAS CONTROL SYSTEM

0.00

PROCESS CODE 21.002

HCL

RACT

SCC CODE

CAS NO. 7647-01-0

100.0000 PPM @ 7% O2

0.0000

0.000

NOTES: 1. DETERMINATION IS FOR MIDWAY LANDFILL GAS CONTROL SYSTEM CONSISTING OF:

(60) MIGRATION CONTROL WELLS, (3) 1500 CP HAUCK MODEL TBGB-081-291
(1800 RPM, 30 HP); (4) ZINK MODEL ZTOF ENCLOSED-FLAME GROUND FLARES
(1400 SCFM, 1500 F).

2. SOURCE TEST FOR METHANE CO2, CO, O2, HCL, VOC & METALS.

3. THE FLARE COMBUSTION ZONE SHALL BE MAINTAINED AT A MINIMUM GAS

TEMPERATURE OF 1500 F AND A MINIMUM RESIDENCE TIME OF 0.5 SECONDS.

4. SUBMISSION OF AN OPERATION & MAINTENANCE PLAN.

REPORT DATE: 07/27/93

DETAILED SOURCE LISTING (Part A)

PAGE H- 617

BLIS ID No. WA-0192

DATE ENTERED/UPDATED: 07/07/93

COMPANY NAME/SITE LOCATION: PRINCETON PACKAGING INC.

8039 S 192ND ST.

KENT, WA 98031-

COUNTY

DETERMINATION IS FOR A NEW SOURCE.

PERMIT NO. NC2703

DETERMINATION MADE BY: PUGET SOUND AIR POLL CONTROL AGENCY, WA

(AGENCY)

CLAUDE WILLIAMS

(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 12/02/85

ESTIMATED START-UP DATE-- 01/01/87

(206) 689-4066

(PHONE)

AIRS ID NO. 033-00157

EPA ID NO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT NAME	EMISSION LIMITS (PRIMARY) (STANDARDIZED)	
			CTRL EQUIPMENT/PROCESS MODIFICATION RANKING INFORMATION	BASIS EST % EFF

PRINTING PRESS, FLEXOGRAPHIC

24000.00 YDS/HR

PROCESS CODE 41.021

SCC CODE

VOC

CAS NO.

0.0000

0.0000

CATALYTIC OXIDIZER

BACT-OTHER

60.000

PRINTING PRESSES (4 CENTRAFLEX, FLEXOGRAPHIC)

40500.00 YDS/HR TOTAL

PROCESS CODE 41.021

SCC CODE

VOC

CAS NO.

0.0000

0.0000

CATALYTIC OXIDIZER @ 12,500 CFM (400F)

BACT-OTHER

60.000

MATERIAL STORAGE, TANK, SOLVENT (3)

4000.00 GALLONS EACH

PROCESS CODE 42.009

SCC CODE

VOC

CAS NO.

0.0000

0.0000

BACT-OTHER

0.000

- NOTES: 1. DETERMINATION FOR FLEXOGRAPHIC PRINT PLANT (FOR BREAD WRAPPERS, ETC.) W/
ONE W&H OLYMPIA 726 FLEXOGRAPHIC PRINTING PRESS @ 24,000 YDS/HR W/
INTREGAL PILLAR/ETTER CATALYTIC OXIDIZER; FOUR KIDDER 686 CENTRAFLEX
PRINTING PRESSES (@ 6000 YDS/HR EACH) AND ONE CMF MIRAGE 806 FLEXO-
GRAPHIC PRESS (@ 16,500 YDS/HR) CONTROLLED BY ONE SMITH ENGINEERING
CATALYTIC OXIDIZER @ 12,500 CFM (400F); THREE 4000 GAL SOLV STOR. TANKS
2. CAPTURE AND CONTROL SYSTEMS MUST BE DEMONSTRATED TO EQUAL OR EXCEED 60%
DESTRUCTION EFFICIENCY.
3. PPI MUST CONTINUOUSLY MONITOR & HOURLY RECORD TEMPERATURE CHANGE ACROSS
CATALYTIC BED OF INCINERATORS WHENEVER INCINERATORS ARE IN OPERATION.

BLIS ID No. WA-0193

DATE ENTERED/UPDATED: 06/21/93

COMPANY NAME/SITE LOCATION: SWEDISH HOSPITAL MEDICAL CENTER

701 SUMMIT AVE

SEATTLE, WA 98104-

COUNTY

DETERMINATION IS FOR A NEW SOURCE.

PERMIT NO. NC2706

DETERMINATION MADE BY: PUGET SOUND AIR POLL CONTROL AGENCY, WA
(AGENCY)CLAUDE WILLIAMS
(AGENCY CONTACT PERSON)DATE OF PERMIT ISSUANCE-- 11/14/85
ESTIMATED START-UP DATE-- 11/01/86
(206) 689-4066
(PHONE)

AIRS ID NO.

EPA ID NO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT NAME	EMISSION LIMITS (PRIMARY) (STANDARDIZED)		BASIC EST % EFF
			CTRL EQUIPMENT/PROCESS MODIFICATION RANKING INFORMATION		

INCINERATION

800.00 LBS/HR

PROCESS CODE 29.004

SCC CODE

PM

CAS NO.

0.0200 GR/SCF @ 12% CO

0.0000

LAER

0.000

BAGHOUSE (8000 ACFM)

BOILER, STEAM RECOVERY

6000.00 LB/HR

PROCESS CODE 11.999

SCC CODE

PM

CAS NO.

0.0200 GR/SCF @ 12% CO

0.0000

LAER

0.000

BAGHOUSE (BH) @ 8000 ACFM

ASH DISCHARGE, AUTOMATIC AND HYDRAULIC RAM FEEDER

0.00

PROCESS CODE 29.004

SCC CODE

NONE IDENTIFIED

CAS NO.

0.0000

0.0000

0.000

0.000

- NOTES:
1. DETERMINATION FOR ONE THERM-TEC MODEL EP-800-AR INCINERATOR (@ 800 LBS/HR); ONE 6000 LB/HR THERM-TEC SK-9 STEAM RECOVERY BOILER; THERM-TEC AR-800 AUTOMATIC ASH DISCHARGE AND HYDRAULIC RAM FEEDER; ONE BOILER BYPASS SAFETY STACK, ONE BAGHOUSE OVER TEMPERATURE BYPASS STACK; ONE 8000 ACFM MIKROPUL 1689-10TR BAGHOUSE.
 2. EMISSIONS FROM INCINERATOR SHALL NOT EXCEED 10% OPACITY FOR MORE THAN 3 MINUTES IN ANY 60 MINUTE PERIOD.
 3. INCINERATOR MAY BE OPERATED DURING NONDAYLIGHT HOURS.

BLIS ID No. WA-0194

DATE ENTERED/UPDATED: 06/22/93

COMPANY NAME/SITE LOCATION: WATSON ASPHALT PAVING CO.
6210 E LK SAMMAMISH PKWY SE
ISSAQUAH, WA 98027-

COUNTY

DETERMINATION IS FOR A NEW SOURCE.

PERMIT NO. 2710

DETERMINATION MADE BY: PUGET SOUND AIR POLL CONTROL AGENCY, WA
(AGENCY)

CLAUDE WILLIAMS
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 12/05/85
ESTIMATED START-UP DATE-- 04/01/86
(206) 689-4066
(PHONE)

AIRS ID NO.

EPA ID NO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT NAME	EMISSION LIMITS (PRIMARY) (STANDARDIZED)		BACT-OTHER
			CTRL EQUIPMENT/PROCESS MODIFICATION RANKING INFORMATION	BASIS EST % EFF	

ASPHALT DRUM MIX PLANT (MIXER/DRYER)

450.00 TPH

PROCESS CODE 90.003
SCC CODE

PM
CAS NO.

0.0400 GR/DSCF (FRONT HALF) NSPS
0.0000
VENTURI SCRUBBER

PM
CAS NO.

0.0500 GR/SCF (BOTH HALVES)
0.0000
VENTURI SCRUBBER

VE
CAS NO.

10.0000 % OPACITY
0.0000
VENTURI SCRUBBER

NOTES: 1. VENTURI SCRUBBER MUST HAVE AT LEAST 15" W.G.

2. TEMPERATURE OF ASPHALT DRYER/MIXER WITH VENTURI SCRUBBER IS 150 F, BASED
BACT.

3. FACILITY HAS PSAPCA FACILITY NUMBER 14096.

REPORT DATE: 07/27/93

DETAILED SOURCE LISTING (Part A)
BLIS ID No. WA-0196

PAGE H- 622
DATE ENTERED/UPDATED: 06/21/93

COMPANY NAME/SITE LOCATION: BESCO ROOFING, INC.
233 S HOLDEN
SEATTLE, WA 98108-

COUNTY

DETERMINATION IS FOR A NEW SOURCE.

PERMIT NO. NC2735

DETERMINATION MADE BY: PUGET SOUND AIR POLL CONTROL AGENCY, WA
(AGENCY)

CLAUDE WILLIAMS
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 07/02/86
ESTIMATED START-UP DATE-- 07/05/86
(206) 689-4066
(PHONE)

AIRS ID NO.

EPA ID NO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT NAME	EMISSION LIMITS (PRIMARY) (STANDARDIZED)		
			CTRL EQUIPMENT/PROCESS MODIFICATION RANKING INFORMATION	BASIS EST % EFF	

MATERIAL STORAGE, TANK, 390 SOLVENT

3000.00 GAL

PROCESS CODE 42.009
SCC CODE

NONE IDENTIFIED
CAS NO.

0.0000
0.0000

0.000

MATERIAL STORAGE, TANK, CUTBACK ASPHALT

5000.00 GAL

PROCESS CODE 90.034
SCC CODE

NONE IDENTIFIED
CAS NO.

0.0000
0.0000

0.000

MATERIAL STORAGE, TANK, FIBERED ROOF COATING

9000.00 GAL

PROCESS CODE 90.034
SCC CODE

NONE IDENTIFIED
CAS NO.

0.0000
0.0000

0.000

ROOF COATING MIXTURES (2)

1600.00 GAL TOTAL

PROCESS CODE 90.034
SCC CODE

PM	0.0000	NESHAPS
CAS NO.	0.0000	0.000
	TRI-MIST COLLECTOR (@ 2000 CFM) W/ HEPA	*
VOC	0.0000	NESHAPS
CAS NO.	0.0000	0.000
	TRI-MIST COLLECTOR (@ 2000 CFM) W/ HEPA	*

- NOTES: 1. DETERMINATION FOR ONE 3,000 GAL TANK FOR 390 SOLVENT; ONE 5000 GAL TANK FOR CUTBACK ASPHALT; ONE 9000 GAL TANK FOR FIBERED ROOF COATING; ONE 1000 GAL ROOF COATING MIXER; ONE 600 GAL ROOF COATING MIXER; ONE 2000 CFM FARR TRI-MIST COLLECTOR W/ MAGNAMEDIA 100 HEPA FILTER.
2. FACILITY SUBJECT TO REQUIREMENTS OF 40 CFR PART 61, SUBPART M.
3. FACILITY CAN NOT OPERATE UNTIL HEPA FILTER SYSTEM IS INSTALLED AND HAS BEEN INSPECTED BY PSAPCA.
4. THIS ORDER OF APPROVAL SUPERCEDED ORDER TO PREVENT CONSTRUCTION DATED FEBRUARY 18, 1986.
5. PSAPCA REGION #10146

REPORT DATE: 07/27/93

DETAILED SOURCE LISTING (Part A)
BLIS ID No. WA-0197

PAGE H- 624
DATE ENTERED/UPDATED: 06/22/93

COMPANY NAME/SITE LOCATION: CHEMICAL PROCESSORS, INC.
732 SOUTH LUCILE STREET
SEATTLE, WA 98108-

COUNTY

DETERMINATION IS FOR A MODIFIED SOURCE.

PERMIT NO. 2739

DETERMINATION MADE BY: PUGET SOUND AIR POLL CONTROL AGENCY, WA
(AGENCY)

CLAUDE WILLIAMS
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 10/08/87
ESTIMATED START-UP DATE-- 01/01/88
(206) 689-4066
(PHONE)

AIRS ID NO.

EPA ID NO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT NAME	EMISSION LIMITS (PRIMARY) (STANDARDIZED) CTRL EQUIPMENT/PROCESS MODIFICATION RANKING INFORMATION	BASIS EST % EFF
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BURNER, WASTE OIL

2.50 MMBTU/HR

PROCESS CODE 11.007
SCC CODE

VE
CAS NO.

5.0000 % OPACITY
0.0000

BACT-OTHER
0.000

SULFUR OXIDES
CAS NO.

0.5000 % BY WT OF S IN FUEL
0.0000

RACT
0.000

PM
CAS NO.

0.0500 GR/SCF @ 7% O2
0.0000

RACT
0.000

HCL
CAS NO. 7647-01-0

100.0000 PPM
0.0000

RACT
0.000

REPORT DATE: 07/27/93

DETAILED SOURCE LISTING (Part A)
BLIS ID No. WA-0197

PAGE H- 625
DATE ENTERED/UPDATED: 06/22/93

- NOTES: 1. DETERMINATION IS FOR (1) INDUSTRIAL COMBUSTION OIL BURNER MODEL AMG4
WITH BURNER SIZE NO. 4, RATED AT 2.5 MMBTU/HR (17 GPH; NO. 2,4 & 5 OILS
OR 2400 CFH NATURAL GAS) INSTALLED IN THE PIPE FURNACE TO SUPPLY HEAT
FOR SOLVENT DISTILLATION AND RECOVERY.
2. BURNER IN PIPE FURNACE ALLOWED TO USE WASTE.
3. PERMIT ALLOWS BURNING OF OILS WHICH DO NOT EXCEED THE LIMITS SPECIFIED
IN REGULATION I, SECTION 9.08(E)(1).

REPORT DATE: 07/27/93

DETAILED SOURCE LISTING (Part A)

PAGE H- 626

BLIS ID No. WA-0198

DATE ENTERED/UPDATED: 06/21/93

COMPANY NAME/SITE LOCATION: MAKAH SAND & GRAVEL ENTERPRISES

7215 SECOND AVENUE SOUTH

SEATTLE, WA 98108-

COUNTY

DETERMINATION IS FOR A NEW SOURCE.

PERMIT NO. NC2742

DETERMINATION MADE BY: PUGET SOUND AIR POLL CONTROL AGENCY, WA
(AGENCY)

CLAUDE WILLIAMS
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 04/30/86
ESTIMATED START-UP DATE-- 06/01/86
(206) 689-4066
(PHONE)

AIRS ID NO.

EPA ID NO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT NAME	EMISSION LIMITS (PRIMARY) (STANDARDIZED)		
			CTRL EQUIPMENT/PROCESS MODIFICATION RANKING INFORMATION	BASIS	EST % EFF

CONCRETE BATCH PLANT

150.00 CY/HR

PROCESS CODE 90.012

SCC CODE

PM
CAS NO.

0.2000 GR/DSCF & 7% OPACITY
0.0000

BACT-OTHER
0.000

VE
CAS NO.

10.0000 % OPACITY
0.0000

BACT-OTHER
0.000

MATERIAL STORAGE, BIN, CEMENT

860.00 CF

PROCESS CODE 90.006

SCC CODE

PM
CAS NO.

0.0000
0.0000

BACT-OTHER
0.000

BLIS ID No. WA-0198

DATE ENTERED/UPDATED: 06/21/93

VE	0.0000	BACT-OTHER
CAS NO.	0.0000	0.000

MATERIAL STORAGE, SILO, CEMENT

0.00

PROCESS CODE 90.006
SCC CODE

PM	0.0200 GR/DSCF & 7% OPACITY	BACT-OTHER
CAS NO.	0.0000	0.000

BAGHOUSE @ 700 ACFM

VE	10.0000 % OPACITY	BACT-OTHER
CAS NO.	0.0000	0.000

BAGHOUSE @ 700 ACFM

MATL TRANSFER/HAND, TRUCK SUPPLY LINE (TO BIN)

0.00

PROCESS CODE 90.006
SCC CODE

PM	0.0200 GR/DSCF & 7% OPACITY	BACT-OTHER
CAS NO.	0.0000	0.000

BAGHOUSE @ 100 CFM

VE	10.0000 % OPACITY	BACT-OTHER
CAS NO.	0.0000	0.000

BAGHOUSE @ 100 CFM

CEMENT MIXER

0.00

PROCESS CODE 90.006
SCC CODE

PM	0.0200 GR/DSCF & 7% OPACITY	BACT-OTHER
CAS NO.	0.0000	0.000

BAGHOUSE @ 1000 CFM

VE	10.0000 % OPACITY	BACT-OTHER
CAS NO.	0.0000	0.000

BAGHOUSE @ 1000 CFM

- NOTES: 1. DETERMINATION FOR ONE CON-E-CO LOW PRO #10 PORTABLE CONCRETE BATCH PLANT @ 150 CY/HR, ONE 860 CF CEMENT BIN, ONE COLUMBUS MODEL 42-160 BAGHOUSE @ 700 ACFM (MAIN CEMENT SILO), ONE COLUMBUS BIN MODEL DC-14 BAGHOUSE @ 100 CFM (TRUCK SUPPLY LINE TO CEMENT BIN), ONE CLEAN AIR SYSTEMS MODEL 89 BAGHOUSE @ 1000 CFM (CEMENT MIXER).
2. PLANT SUBJECT TO REQUIREMENTS OF 40 CFR, SUBPART 600, INCLUDING:
- A. STACK EMISSIONS SHALL NOT EXCEED 0.02 GRAINS/DSCF AND 7% OPACITY FOR MORE THAN AGGREGATE OF 1MIN/60 MIN.; B. EMISSIONS FROM TRANSFER POINT ON CONVEYOR BELT MUST NOT BE $\leq$ 10% OPACITY FOR MORE THAN 1 MIN./60 MIN.
3. PROCESS LIMIT = 80,000 CY/CAL YR; ORDER OF APPROVAL EXP. JUNE 30, 1988.

REPORT DATE: 07/27/93

DETAILED SOURCE LISTING (Part A)

PAGE H- 629

BLIS ID No. WA-0199

DATE ENTERED/UPDATED: 12/03/92

COMPANY NAME/SITE LOCATION: KITSAP COUNTY DEPT. OF PUBLIC WORKS, WW DIVISION

JOHNSON ROAD

KITSAP, WA 98366-

COUNTY

DETERMINATION IS FOR A MODIFIED SOURCE.

PERMIT NO. 2744

DETERMINATION MADE BY: PUGET SOUND AIR POLL CONTROL AGENCY, WA

(AGENCY)

CLAUDE WILLIAMS

(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 03/13/86

ESTIMATED START-UP DATE-- 10/01/86

(206) 689-4066

(PHONE)

AIRS ID NO.

EPA ID NO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT NAME	EMISSION LIMITS (PRIMARY) (STANDARDIZED)	
			CTRL EQUIPMENT/PROCESS MODIFICATION RANKING INFORMATION	BASIS EST % EFF

SEWER PUMPING STATIONS

0.00

PROCESS CODE 21.999

SCC CODE

ODOR

CAS NO.

0.0000

0.0000

OTHER

0.000

DRY SCRUBBING SYS W/ CARTRIDGES; CHLORIN *

NOTES: 1. DETERMINATION IS FOR (4) PURAFIL DBS DRY SCRUBBING SYSTEMS USING

UNISORB MARK 2 POTASSIUM PERMANGANATE/ALUMINA (18"X24"X24") AND UNICARB

A ACTIVATED CARBON (6"X24"X24") FILTER CARTRIDGES (2500 TOTAL CFM);

(5) WALLACE & TIERNAN A-741 CHLORINATOR SYSTEMS RATED AT 150 LB/DAY

WITH ASSOCIATED (3) ONE TON CHLORINE STORAGE & (2) 150 LB CYLINDERS.

2. CARTRIDGES SHALL BE REGULARLY REPLENISHED TO ENSURE ODOR CONTROL.

3. CHLORINATION SYSTEM LEAK DETECTORS SHALL BE MAINTAINED IN GOOD WORKING

ORDER.

REPORT DATE: 07/27/93

DETAILED SOURCE LISTING (Part A)
BLIS ID No. WA-0200

PAGE H- 630
DATE ENTERED/UPDATED: 06/22/93

COMPANY NAME/SITE LOCATION: ASSOCIATED SAND & GRAVEL COMPANY
6300 GLENWOOD AVE
EVERETT, WA 98203-

COUNTY

DETERMINATION IS FOR A NEW SOURCE.

PERMIT NO. 2756

DETERMINATION MADE BY: PUGET SOUND AIR POLL CONTROL AGENCY, WA
(AGENCY)

CLAUDE WILLIAMS
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 06/05/86
ESTIMATED START-UP DATE-- 07/01/86
(206) 689-4066
(PHONE)

AIRS ID NO. 061-00003

EPA ID NO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT NAME	EMISSION LIMITS (PRIMARY) (STANDARDIZED)		BASIC EST % EFF
			CTRL EQUIPMENT/PROCESS MODIFICATION RANKING INFORMATION		

ASPHALT BATCH PLANT/DRUM MIX & DRYER

500.00 TPH

PROCESS CODE 90.003
SCC CODE

PM
CAS NO.

NSPS
0.000

0.0400 GR/SCF, FRONT HALF
0.0000
BAGHOUSE @ 68,000 CFM

PM
CAS NO.

BACT-OTHER
0.000

0.0500 GR/DSCF, BOTH HALVES
0.0000
BAGHOUSE @ 68,000 CFM

VE
CAS NO.

BACT-OTHER
0.000

10.0000 % OPACITY
0.0000
BAGHOUSE @ 68,000 CFM

- NOTES: 1. DETERMINATION IS FOR (1) 500 TPH STANDARD HAVENS DRUM MIX PLANT EQUIPPED WITH RECYCLING FACILITIES; CONTROLLED BY (1) STANDARD HAVENS SIZE 39 ALPHA/MARK III BAGHOUSE @ 68,000 CFM (180 F); AND (3) STANDARD HAVENS SURG-STOR SILOS @ 200 TONS STORAGE CAPACITY EACH.
2. OPACITY LIMIT SHALL NOT BE EXCEEDED FOR MORE THAN 3 MINUTES IN ANY 60 MINUTE PERIOD.
3. APPLICABLE CODE: 40 CFR 60, SUBPART I

REPORT DATE: 07/27/93

DETAILED SOURCE LISTING (Part A)

PAGE H- 632

BLIS ID No. WA-0201

DATE ENTERED/UPDATED: 06/22/93

COMPANY NAME/SITE LOCATION: NORTHWEST HARDWOODS, INC.
20015 67TH AVENUE NE
ARLINGTON, WA 98223-

COUNTY

DETERMINATION IS FOR A NEW SOURCE.

PERMIT NO. 2774

DETERMINATION MADE BY: PUGET SOUND AIR POLL CONTROL AGENCY, WA
(AGENCY)

CLAUDE WILLIAMS
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 06/09/86
ESTIMATED START-UP DATE-- 06/01/87
(206) 689-4066
(PHONE)

AIRS ID NO.

EPA ID NO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT NAME	EMISSION LIMITS (PRIMARY) (STANDARDIZED)	CTRL EQUIPMENT/PROCESS MODIFICATION RANKING INFORMATION	BASIS EST % EFF
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BOILER (SANDER DUST AND NATURAL GAS FUEL)

24000.00 LB STEAM/HR

PROCESS CODE 11.004

SCC CODE

PM

CAS NO.

0.0200 GR/SDCF @ 7% O2

0.0000

BACT-OTHER

0.000

CYCLONE FOLLOWED BY A BAGHOUSE @ 10,800 *

VE

CAS NO.

10.0000 % OPACITY

0.0000

BACT-OTHER

0.000

CYCLONE FOLLOWED BY A BAGHOUSE @ 10,800 *

NOTES: 1. DETERMINATION IS FOR (1) NEW CLEAVER BROOKS MODEL FGP-24-150 BOILER,
FIRED WITH SANDER DUST AND NATURAL GAS @ 24,000 LB STEAM/HOUR,
CONTROLLED BY EXISTING CYCLONE AND INDUSTRIAL CLEAN AIR MODEL 3-1600 AMS
DUST COLLECTOR @ 10,800 CFM (300 F).

2. OPACITY LIMIT MUST NOT BE EXCEEDED MORE THAN 3 MINUTES IN ANY 60 MINUTE
PERIOD FOR AN AGGREGATE.

3. FACILITY SHALL CONTINUE TO IMPLEMENT ITS O & M PLAN, INCLUDING WEEKLY
INSPECTION AND MAINTENANCE OF THE BAGHOUSE.

REPORT DATE: 07/27/93

DETAILED SOURCE LISTING (Part A)

PAGE H- 633

BLIS ID No. WA-0202

DATE ENTERED/UPDATED: 06/22/93

COMPANY NAME/SITE LOCATION: FIELDS PRODUCTS, INC.
2240 TAYLOR WAY
TACOMA, WA 98421-

COUNTY

DETERMINATION IS FOR A MODIFIED SOURCE.

PERMIT NO. 2797

DETERMINATION MADE BY: PUGET SOUND AIR POLL CONTROL AGENCY, WA
(AGENCY)

CLAUDE WILLIAMS
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 07/29/86
ESTIMATED START-UP DATE-- 01/01/87
(206) 689-4066
(PHONE)

AIRS ID NO.

EPA ID NO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT NAME	EMISSION LIMITS (PRIMARY) (STANDARDIZED)		Basis EST % EFF
			CTRL EQUIPMENT/PROCESS MODIFICATION RANKING INFORMATION		

FELT ASPHALT SATURATOR

150.00 ROLLS/HR

PROCESS CODE 90.034
SCC CODE

PM
CAS NO.

400.0000 G/MEGA G OF PRODUCT NSPS
0.0000 0.000

ELECTROSTATIC PRECIPITATOR (@ 24,000 SCF *

VE
CAS NO.

20.0000 % OPACITY NSPS
0.0000 0.000

ELECTROSTATIC PRECIPITATOR (@ 24,000 SCF *

NOTES: 1. DETERMINATION FOR (1) 150 ROLLS/HR FELT ASPHALT SATURATOR CONTROLLED BY
A SMOG-HOG MODEL MS-24ATT ELECTROSTATIC PRECEPITATOR (WITH 3 PASSES OF
12 MODULES IN PARALLEL) @ 24,000 SCFM TOTAL, STACK 31" X 42", 17 FT
ABOVE GRADE.

2. APPLICABLE CODE: 40 CFR 60, SUBPART UU

REPORT DATE: 07/27/93

DETAILED SOURCE LISTING (Part A)

PAGE H- 634

BLIS ID No. WA-0203

DATE ENTERED/UPDATED: 07/07/93

COMPANY NAME/SITE LOCATION: ACE GALVANIZING, INC.
429 S 96TH STREET
SEATTLE, WA 98108-

COUNTY

DETERMINATION IS FOR A MODIFIED SOURCE.

PERMIT NO. 2807,2808

DETERMINATION MADE BY: PUGET SOUND AIR POLL CONTROL AGENCY, WA
(AGENCY)

CLAUDE WILLIAMS
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 09/30/86
ESTIMATED START-UP DATE-- 08/16/86
(206) 689-4066
(PHONE)

AIRS ID NO.

EPA ID NO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT NAME	EMISSION LIMITS (PRIMARY (STANDARDIZED))		BASIS EST & EFF
			CTRL EQUIPMENT/PROCESS MODIFICATION RANKING INFORMATION		

GALVANIZING DIP TANKS, ZINC

4000.00 LB/HR

PROCESS CODE 99.013

SCC CODE

VE

CAS NO.

20.0000 % OPACITY

0.0000

RACT

0.000

RETRACTABLE FUME HOODS & BAGHOUSE

NOTES: 1. DETERMINATION IS FOR RETRACTABLE FUME HOODS OVER BOTH ZINC GALVANIZING
KETTLES ACCORDING TO FACILITY DRAWINGS (5/21/86) AND (1) MMF DUST
CONTROL BAGHOUSE RATED @ 2000 CFM FOR CONTROL OF AN EXISTING ZINC
GALVANIZING KETTLE.

2. REQUIRED SUBMISSION OF AN OPERATION & MAINTENANCE PLAN WITHIN 30 DAYS
OF INSTALLATION.

3. NC1966 GALVANIZING LINE BAGHOUSE APPROVED 08/10/79, INSTALLED 03/03/80
NC2807 RETRACTABLE FUME HOODS APPROVED 09/30/86, INSTALLED 08/16/86.

REPORT DATE: 07/27/93

DETAILED SOURCE LISTING (Part A)

PAGE H- 635

BLIS ID No. WA-0204

DATE ENTERED/UPDATED: 06/22/93

COMPANY NAME/SITE LOCATION: M. A. SEGAL, INC./TRAVELING IN 1986-7

1ST AVE S & DENVER AVE S

SEATTLE, WA 98108-

COUNTY

DETERMINATION IS FOR A MODIFIED SOURCE.

PERMIT NO. 2809

DETERMINATION MADE BY: PUGET SOUND AIR POLL CONTROL AGENCY, WA

(AGENCY)

CLAUDE WILLIAMS

(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 09/11/86

ESTIMATED START-UP DATE-- 09/12/86

(206) 689-4066

(PHONE)

AIRS ID NO.

EPA ID NO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT NAME	EMISSION LIMITS (PRIMARY) (STANDARDIZED)		
			CTRL EQUIPMENT/PROCESS MODIFICATION		BASIS
			RANKING INFORMATION		EST % EFF

DRUM MIX ASPHALT PLANT

450.00 TPH

PROCESS CODE 90.003

SCC CODE

PM

CAS NO.

0.0400 GR/SCF, FRONT HALF

0.0000

NSPS

0.000

VENTURI SCRUBBER AND CENTRIFUGAL DEWATER *

PM

CAS NO.

0.0500 GR/SCF, BOTH HALVES

0.0000

RACT

0.000

VENTURI SCRUBBER AND CENTRIFUGAL DEWATER *

VE

CAS NO.

10.0000 % OPACITY

0.0000

RACT

0.000

VENTURI SCRUBBER AND CENTRIFUGAL DEWATER *

- NOTES: 1. DETERMINATION IS FOR (1) BOEING MS400 DRUM MIX ASPHALT PLANT (SERIAL NO. 630-400C) CONTROLLED BY A VENTURI SCRUBBER (PRESSURE DROP 20-25 INCHES WC @ 34,000 SCFM AND CENTRIFUGAL DEWATERING SYSTEM; (1) BETUMA STAR 120 TON SILO; ASPHALT PLANT FUELED WITH PROPANE GAS. ASPHALT PLANT PRODUCTION NOT TO EXCEED 450 TPH (INCLUDING RECYCLED ASPHALT). (REF. NC 2579 & 2726)
2. STACK TEMPERATURE NOT TO EXCEED 165 F.
3. APPLICABLE CODE: 40 CFR 60 SUBPART I

REPORT DATE: 07/27/93

DETAILED SOURCE LISTING (Part A)
BLIS ID No. WA-0205

PAGE H- 637
DATE ENTERED/UPDATED: 06/22/93

COMPANY NAME/SITE LOCATION: OCEAN CONSTRUCTION SUPPLIERS (TILBURY)
5225 E MARGINAL WAY S
SEATTLE, WA 98134~

COUNTY

DETERMINATION IS FOR A NEW SOURCE.

PERMIT NO. 2813

DETERMINATION MADE BY: PUGET SOUND AIR POLL CONTROL AGENCY, WA
(AGENCY)

CLAUDE WILLIAMS
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 10/29/86
ESTIMATED START-UP DATE-- 08/07/87
(206) 689-4066
(PHONE)

AIRS ID NO.

EPA ID NO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT NAME	EMISSION LIMITS (PRIMARY) (STANDARDIZED)	CTRL EQUIPMENT/PROCESS MODIFICATION RANKING INFORMATION	BASIS EST % EFF
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CONCRETE BATCH PLANT-BULK CEMENT TERMINAL

80.00 TPH

PROCESS CODE 90.012
SCC CODE

PM
CAS NO.

0.0050 GR/SCF
0.0000
BAGHOUSES (3)

BACT-OTHER
0.000

CONCRETE BATCH PLANT-WET MIX EQUIPMENT

200.00 CU YD/HR

PROCESS CODE 90.012
SCC CODE

PM
CAS NO.

0.0050 GR/SCF
0.0000
BAGHOUSES (4) & WATER SPRAY BARS (2)

BACT-OTHER
0.000

- NOTES: 1. DETERMINATION IS FOR A NIKKO SF3750 CONCRETE MIXER, NATCO CM500 SCOTCH MARINE BOILER & SPOKANE MACHINERY. CONCRETE BATCH EQUIPMENT CONTROLLED BY FREE FLOW BV 500 & COLUMBUS BIN DCS-14/250 BAGHOUSES (4 TOTAL); BULK CEMENT TERMINAL WITH 4 SILOS, BARGE UNLOADING, TRUCK LOADING. CONTROLLED BY WHEELBRATOR 10-18/24/48 BAGHOUSES (3 TOTAL); AGGREGATE RECEIVING & DISTRIBUTION EQUIPMENT.
2. FUGITIVE DUST EMISSIONS FROM RAW MATERIALS HANDLING SHALL BE CONTROLLED BY WATER SPRAY AND CAREFUL HANDLING PROCEDURES TO INSURE NO VISIBLE EMISSIONS. FACILITY IS IN PSPCA REGION #21007.
3. CONCRETE BATCH PLANT MAX DESIGN CAPACITY - 200 CU YD/HR.

BLIS ID No. WA-0206

DATE ENTERED/UPDATED: 06/22/93

COMPANY NAME/SITE LOCATION: OUTDOOR EMPIRE PUBLISHING, INC.

511 EASTLAKE AVENUE E

SEATTLE, WA 98109-

COUNTY

DETERMINATION IS FOR A MODIFIED SOURCE.

PERMIT NO. 2843

DETERMINATION MADE BY: PUGET SOUND AIR POLL CONTROL AGENCY, WA
(AGENCY)CLAUDE WILLIAMS
(AGENCY CONTACT PERSON)DATE OF PERMIT ISSUANCE-- 12/18/86
ESTIMATED START-UP DATE-- 02/10/87
(206) 689-4066
(PHONE)

AIRS ID NO.

EPA ID NO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT NAME	EMISSION LIMITS (PRIMARY) (STANDARDIZED)		
			CTRL EQUIPMENT/PROCESS MODIFICATION RANKING INFORMATION	BASIS	EST % EFF

PRINTING PRESS, WEB OFFSET

0.00

PROCESS CODE 41.023

SCC CODE

VOC

CAS NO.

0.0000

RACT

0.000

A. FUME INCINERATOR WITH B. 2 MMBTU/HR *

NOTES: 1. DETERMINATION IS FOR (1) C & C MODEL 160 AH FUME INCINERATOR WITH (1)

2000 MBH ECLIPSE 160 GAS-FIRED BURNER.

2. THE AFTERBURNER TEMPERATURE SHALL BE AT LEAST 1300 F WHENEVER PRESS IS
IN OPERATION.

3. FACILITY IS IN PSAPCA REGION #28343.

REPORT DATE: 07/27/93

DETAILED SOURCE LISTING (Part A)

PAGE H- 640

BLIS ID No. WA-0207

DATE ENTERED/UPDATED: 06/22/93

COMPANY NAME/SITE LOCATION: OLYMPIC BRAKE SUPPLY
1020 THOMAS AVENUE S.W.
RENTON, WA 98055-

COUNTY

DETERMINATION IS FOR A NEW SOURCE.

PERMIT NO. NC2849

DETERMINATION MADE BY: PUGET SOUND AIR POLL CONTROL AGENCY, WA
(AGENCY)

CLAUDE WILLIAMS
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 01/23/87
ESTIMATED START-UP DATE-- 05/15/87
(206) 689-4066
(PHONE)

AIRS ID NO.

EPA ID NO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT NAME	EMISSION LIMITS (PRIMARY) (STANDARDIZED)		BASIC EST % EFF
			CTRL EQUIPMENT/PROCESS MODIFICATION RANKING INFORMATION		

BURNER, INDUSTRIAL - DEBONDERS (2)

0.00

PROCESS CODE 11.999
SCC CODE

PM
CAS NO.
0.0000
0.0000

0.000

DIP TANK

300.00 GALLON

PROCESS CODE 99.999
SCC CODE

PM
CAS NO.
0.0000
0.0000

0.000

ASBESTOS
CAS NO. 1332-21-4

0.0000
0.0000

0.000

BLIS ID No. WA-0207

DATE ENTERED/UPDATED: 06/22/93

BARREL BLAST

0.00

PROCESS CODE 99.999

SCC CODE

PM

CAS NO.

0.0000

0.0000

DUST COLLECTOR

NESHAPS

0.000

ASBESTOS

CAS NO. 1332-21-4

0.0000

0.0000

DUST COLLECTOR

NESHAPS

0.000

DEBONDING TABLE AND HOOD

0.00

PROCESS CODE 99.999

SCC CODE

PM

CAS NO.

0000

0.0000
0.0000

DUST COLLECTOR

MECHANISMS

0.000
ESTIMATE 3

ASBESTOS

CAS NO. 1332-21-4

0.0000

0.0000

DUST COLLECTOR W/ HEPA FILTER

NESHAPS

0-000

NOTES: 1. DETERMINATION FOR ONE BRAKE SHOE AND PAD RELINING OPERATION W/ TWO GRIGG

MODEL G-5662 INDUSTRIAL BURNERS (DEBONDERS) AND ONE 300 GALLON

(70" LX 40.5" WX 39" H) DIP TANK: ONE GOFF 6 CUBE BARREL BLAST W/ GOFF DC

1850-2 DUST COLLECTOR: ONE DEBONDING TABLE AND HOOD CONTROLLED BY ONE

TORIT TD 970 DUST COLLECTOR WITH HEPA FILTER FOR ASBESTOS DUST

2. ASBESTOS WASTE SHALL BE DISPOSED OF IN ACCORDANCE W/ SECTION 10.5 OF

REGULATION I.

3. PSAPCA REGION # 28201.

REPORT DATE: 07/27/93

DETAILED SOURCE LISTING (Part A)

PAGE H- 642

BLIS ID No. WA-0208

DATE ENTERED/UPDATED: 06/22/93

COMPANY NAME/SITE LOCATION: DIETZGEN CORPORATION
9875 40TH AVENUE S
SEATTLE, WA 98119-

COUNTY

DETERMINATION IS FOR A NEW SOURCE.

PERMIT NO. 2856

DETERMINATION MADE BY: PUGET SOUND AIR POLL CONTROL AGENCY, WA
(AGENCY)

CLAUDE WILLIAMS
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 01/20/87
ESTIMATED START-UP DATE-- 06/01/87
(206) 689-4066
(PHONE)

AIRS ID NO.

EPA ID NO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT NAME	EMISSION LIMITS (PRIMARY) (STANDARDIZED)		BACT-OTHER
			CTRL EQUIPMENT/PROCESS MODIFICATION RANKING INFORMATION	BASIS EST % EFF	

VOATING, DIAZO PAPER

0.00

PROCESS CODE 41.014

SCC CODE

VOC
CAS NO.

2.9000 LB/GAL OF COATING
0.0000

LIMIT VOC IN COATING

NOTES: 1. DETERMINATION IS FOR RELOCATION OF DIAZO PAPER COATING PROCESS WITH ONE
KNOWLTON PAPER COATER WITH OVEN (2,000 MBH GAS BURNER) AND ONE NORDALE
MODEL 1000 EVAPORATOR.

2. APPLICABLE CODE: REGULATION II, SECTION 2.08.

3. FACILITY IS IN PSAPCA REGION #10299.

4. VOC LIMIT EXCLUDES WATER.

BLIS ID No. WA-0209

DATE ENTERED/UPDATED: 06/22/93

COMPANY NAME/SITE LOCATION: PRINCETON PACKAGING, INC.
8039 S 192ND STREET
KENT, WA 98032-

COUNTY

DETERMINATION IS FOR A NEW SOURCE.

PERMIT NO. 2868

DETERMINATION MADE BY: PUGET SOUND AIR POLL CONTROL AGENCY, WA
(AGENCY)

CLAUDE WILLIAMS
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 04/05/87
ESTIMATED START-UP DATE-- 06/01/87
(206) 689-4066
(PHONE)

AIRS ID NO. 033-00157

EPA ID NO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT NAME	EMISSION LIMITS (PRIMARY) (STANDARDIZED)		BASIS EST % EFF
			CTRL EQUIPMENT/PROCESS MODIFICATION RANKING INFORMATION		

PRINTING PRESS, FLEXOGRAPHIC

16000.00 YD/HR

PROCESS CODE 41.021
SCC CODE

VOC
CAS NO.

40.0000 % OF UNCONTROLLED
0.0000
AFTERBURNER
NSPS
60.000

- NOTES: 1. DETERMINATION IS FOR (1) KIDDER 686 CENTRAFLEX FLEXO PRESS (#005), FOR
BREAD WRAPPERS, ETC, Ø16,000 HD/HR CONN. TO EXISTING SMITH ENGINEERING
INCINERATOR.
2. UNCONTROLLED EMISSIONS FROM THE PRESS SHALL BE REDUCED BY 60% BY CAPTURE
OF THE EMISSION AND INCINERATION.

REPORT DATE: 07/27/93

DETAILED SOURCE LISTING (Part A)

PAGE H- 644

BLIS ID No. WA-0210

DATE ENTERED/UPDATED: 12/03/92

COMPANY NAME/SITE LOCATION: FEDERAL WAY WATER & SEWER DISTRICT
3045 SW DASH POINT ROAD
LAKOTA, WA 98023-

COUNTY

DETERMINATION IS FOR A NEW SOURCE.

PERMIT NO. 2891

DETERMINATION MADE BY: PUGET SOUND AIR POLL CONTROL AGENCY, WA
(AGENCY)

CLAUDE WILLIAMS
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 04/15/87
ESTIMATED START-UP DATE-- 07/01/90
(206) 689-4066
(PHONE)

AIRS ID NO.

EPA ID NO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT NAME	EMISSION LIMITS (PRIMARY) (STANDARDIZED)		
			CTRL EQUIPMENT/PROCESS MODIFICATION RANKING INFORMATION	BASIS	EST % EFF

SEWAGE TREATMENT PLANT

10.00 MILLION GAL/DAY

PROCESS CODE 21.003

SCC CODE

ODOR

CAS NO.

0.0000

0.0000

BACT-OTHER

0.000

VENTING THRU MIST SCRUBBERS (2) & FLARE

NOTES: 1. DETERMINATION IS FOR (4) PRIMARY CLARIFIERS 28 X 105'; (6) SECONDARY
CLARIFIERS 72' DIAMETER; (2) ANAEROBIC DIGESTERS 50' DIAMETER;
(4) ACTIVATED SLUDGE BASINGS 52 X 56'; (2) CHLORINE CHAMBERS
280 X 6.75'; VAREC 244W FLARE; 18,230 CFM & 33,370 CFM MIST SCRUBBERS
VENTING THRU COMMON 100' STACK; (2) CLEAVER BROOKS CB-80 2.68 MMBTU/HR
BOILERS; BLEEKER BROS. EP-4-7 DRY FILTER SPRAY PAINT ROOM; CLEMCO 90 LB
SANDBLASTING ROOM.

2. APPLICABLE CODE: REGULATION 1, SECTION 6.07(B)(3)

3. PROCESSES ARE TOTALLY ENCLOSED.

4. FACILITY IS IN PSAPCA REGION #10125.

BLIS ID No. WA-0211

DATE ENTERED/UPDATED: 06/22/93

COMPANY NAME/SITE LOCATION: CELLO BAG COMPANY
17100 WEST VALLEY HWY
TUKWILA, WA 98188-

COUNTY

DETERMINATION IS FOR A NEW SOURCE.

PERMIT NO. 2899

DETERMINATION MADE BY: PUGET SOUND AIR POLL CONTROL AGENCY, WA
(AGENCY)

CLAUDE WILLIAMS
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 06/08/87
ESTIMATED START-UP DATE-- 04/29/88
(206) 689-4066
(PHONE)

AIRS ID NO. 033-00139

EPA ID NO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT NAME	EMISSION LIMITS (PRIMARY) (STANDARDIZED) CTRL EQUIPMENT/PROCESS MODIFICATION RANKING INFORMATION	BASIS EST % EFF
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PRINTING PRESS, FLEXOGRAPHIC (BREAD WRAPPERS, ETC) 30000.00 FT/HR

PROCESS CODE 41.021
SCC CODE

VOC
CAS NO.

NSPS
60.000

THERMAL INCINERATOR

LAMINATOR, ADHESIVE

21000.00 FT/HR

PROCESS CODE 41.021
SCC CODE

VOC
CAS NO.

BACT-OTHER
0.000

LIMIT ADHESIVE VOC CONTENT

NOTES: 1. DETERMINATION IS FOR (1) DRI-TEC ECONO-TAM ADHESIVE LAMINATOR RATED @
21,000 FT/HR; (1) CMF "MIRAGE" 806 6 COLOR FLEXOGRAPHIC PRESS RATED @
30,000 FT/HR WITH A BROWN ENGINEERING AB 1003 THERMAL INCINERATOR.
2. VOC EMISSIONS FROM THE FLEXOGRAPHIC PRESS SHALL BE REDUCED BY AT LEAST
60%.

3. THE LIMIT FOR THE VOC CONTENT IN THE ADHESIVES EXCLUDES WATER.
4. INCINERATOR MUST BE EQUIPPED WITH CONTINUOUS TEMPERATURE MONITOR.

REPORT DATE: 07/27/93

DETAILED SOURCE LISTING (Part A)
BLIS ID No. WA-0212

PAGE H- 646
DATE ENTERED/UPDATED: 07/07/93

COMPANY NAME/SITE LOCATION: SEATTLE RENDERING WORKS, INC./BAKER COMMODITIES
5795 S 130TH PLACE
SEATTLE, WA 98178-

COUNTY

DETERMINATION IS FOR A MODIFIED SOURCE.

PERMIT NO. 2988

DETERMINATION MADE BY: PUGET SOUND AIR POLL CONTROL AGENCY, WA
(AGENCY)

CLAUDE WILLIAMS
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 11/13/87
ESTIMATED START-UP DATE-- 01/01/88
(206) 689-4066
(PHONE)

AIRS ID NO.

EPA ID NO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT NAME	EMISSION LIMITS (PRIMARY) (STANDARDIZED)		BASIS EST % EFF
			CTRL EQUIPMENT/PROCESS MODIFICATION RANKING INFORMATION		

RENDERING PLANT

0.00

PROCESS CODE 70.999
SCC CODE

ODOR
CAS NO.

0.0000
0.0000
RACT
0.000

AFTERBURNER W/ WASTE HEAT BOILER

- NOTES: 1. DETERMINATION IS FOR (1) SBECO INCINERATOR @ 7MMBH WITH #3 HR SINGLE
PASS HEAT RECOVERY BOILER; SYSTEM NO. 1 COLLECTS HOT MOIST VAPORS TO
AIR-TO-AIR CONDENSOR, NON-CONDENSIBLES TO INCINERATOR; SYSTEM NO. 2
COLLECTS DRY HOT FUMES AND DUCTS TO INCINERATOR; INCINERATOR HAS
TEMPERATURE SETPOINT CONTROLLER.
2. THE FACILITY SHALL FOLLOW ITS "RAW MATERIALS TRUCKS AND/OR TRAILERS
HANDLING PROCEDURES" AT ALL TIMES.
3. AFTERBURNER (>= 1400 F) TO INCINERATE ODOR FROM MAIN BLDG (ENCLOSED).
3. FACILITY IS IN PSAPCA REGION #12196.

COMPANY NAME/SITE LOCATION: ACE GALVANIZING
6438 143RD SOUTH
TUKWILLA, WA

COUNTY

DETERMINATION IS FOR A MODIFIED SOURCE.

PERMIT NO. 689

DETERMINATION MADE BY: PUGET SOUND AIR POLL CONTROL AGENCY, WA
(AGENCY)

CLAUDE WILLIAMS
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 01/03/72
ESTIMATED START-UP DATE-- / /
(206) 689-4066
(PHONE)

AIRS ID NO. NA

EPA ID NO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT NAME	EMISSION LIMITS (PRIMARY) (STANDARDIZED)		BASIS EST % EFF
			CTRL EQUIPMENT/PROCESS MODIFICATION RANKING INFORMATION		

GALVANIZING - DIP TANK & PICKLING TANK

0.00

PROCESS CODE 99.013
SCC CODE

PM
CAS NO.

20.0000 % OPACITY
0.0000

RACT
0.000

NON-SMOKING FLUX; HAND FLUXING PROHIBITE *

- NOTES: 1. ESTIMATED START-UP DATE: NOT INSTALLED.
2. HAND FLUXING SHALL NOT BE PRACTICED.
3. NO STACK - BUILDING ROOF VENT.

REPORT DATE: 07/27/93

DETAILED SOURCE LISTING (Part A)
BLIS ID No. WA-0214

PAGE H- 648
DATE ENTERED/UPDATED: 06/22/93

COMPANY NAME/SITE LOCATION: WEYERHAEUSER COMPANY
P.O. BOX W
SNOQUALMIE, WA 98065--

COUNTY

DETERMINATION IS FOR A NEW SOURCE.

PERMIT NO. 1212

DETERMINATION MADE BY: PUGET SOUND AIR POLL CONTROL AGENCY, WA
(AGENCY) CLAUDE WILLIAMS
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 06/20/74
ESTIMATED START-UP DATE-- 12/31/74
(206) 689-4066
(PHONE)

AIRS ID NO. 033-00013

EPA ID NO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT NAME	EMISSION LIMITS (PRIMARY (STANDARDIZED))		
			CTRL EQUIPMENT/PROCESS MODIFICATION RANKING INFORMATION	BASIS	EST % EFF

BOILER, WOOD WASTE

0.00

PROCESS CODE 11.008

SCC CODE

PM

CAS NO.

0.0500 GR/SCF @ 7% O2

0.0000

DRY SCRUBBER

RACT

0.000

PM

CAS NO.

20.0000 % OPACITY

0.0000

DRY SCRUBBER

RACT

0.000

NOTES: 1. DETERMINATION IS FOR THE NO. 6 HOG FUEL BOILER AT SNOQUALMIE FALLS WITH
A DRY SCRUBBER PARTICULATE CONTROL DEVICE.

3. THIS DRY SCRUBBER WAS TOO SMALL TO CONTROL THE TOTAL FLOW SINCE IT WAS
A PROTOTYPE UNIT.

2. APPLICABLE CODE: REGULATION I, SECTION 9.09

REPORT DATE: 07/27/93

DETAILED SOURCE LISTING (Part A)

PAGE H- 649

BLIS ID No. WA-0215

DATE ENTERED/UPDATED: 06/22/93

COMPANY NAME/SITE LOCATION: POPE & TALBOT, INC.
PORT GAMBLE, WA

COUNTY

DETERMINATION IS FOR A NEW SOURCE.

PERMIT NO. 1599

DETERMINATION MADE BY: PUGET SOUND AIR POLL CONTROL AGENCY, WA
(AGENCY) CLAUDE WILLIAMS
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 06/18/76
ESTIMATED START-UP DATE-- 12/18/76
(206) 689-4066
(PHONE)

AIRS ID NO. N/A

EPA ID NO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT NAME	EMISSION LIMITS (PRIMARY) (STANDARDIZED)	CTRL EQUIPMENT/PROCESS MODIFICATION RANKING INFORMATION	BASIS EST % EFF
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BOILER, WOOD WASTE

60000.00 LB STEAM/HOUR

PROCESS CODE 11.008
SCC CODE

PM
CAS NO.

20.0000 % OPACITY
0.0000
MULTICYCLONE & DRY SCRUBBER

RACT
0.000

PM
CAS NO.

0.0500 GR/SCF @ 7% O2
0.0000
MULTICYCLONE & DRY SCRUBBER

RACT
0.000

NOTES: 1. DETERMINATION IS FOR (1) RILEY MODEL VO HOG FUEL BOILER RATED 60,000 LB
STEAM/HOUR DESIGN HEAT OUTPUT, (1) ZURN MODEL MTS-60-9CYTXB MULTICYCLONE
AND (1) COMBUSTION POWER, INC. 1 600 DS DRY SCRUBBER, AND CONTINUOUS
OPACITY MONITORING INSTRUMENT.

2. UNSUCCESSFUL BECAUSE DRY SCRUBBER COULD NOT HANDLE SALT LAIDEN WOOD.
THE HOPPER HAD TO BE CLEANED OUT WITH A JACK HAMMER.

REPORT DATE: 07/27/93

DETAILED SOURCE LISTING (Part A)

PAGE H- 650

BLIS ID No. WA-0216

DATE ENTERED/UPDATED: 06/22/93

COMPANY NAME/SITE LOCATION: BOISE CASCADE COMPANY
CHAMBERS CREEK ROAD
STEILACOOM, WA 98388-

COUNTY

DETERMINATION IS FOR A NEW SOURCE.

PERMIT NO. 1814

DETERMINATION MADE BY: PUGET SOUND AIR POLL CONTROL AGENCY, WA
(AGENCY)

CLAUDE WILLIAMS
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 02/28/78
ESTIMATED START-UP DATE-- 03/31/79
(206) 689-4066
(PHONE)

AIRS ID NO. 053-00012

EPA ID NO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT NAME	EMISSION LIMITS (PRIMARY) (STANDARDIZED)	CTRL EQUIPMENT/PROCESS MODIFICATION RANKING INFORMATION	BASIS EST % EFF
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BOILER, WOOD WASTE

150000.00 LB/HR

PROCESS CODE 11.008

SCC CODE

PM

CAS NO.

0.0400 GR/SCF @ 12% CO2

0.0000

BACT-OTHER

0.000

MULTICLONE, VENTURI SCRUBBER AND DEMISTE *

PM

CAS NO.

20.0000 % OPACITY

RACT

0.000

MULTICLONE, VENTURI SCRUBBER AND DEMISTE *

NOTES: 1. DETERMINATION IS FOR A 150,000 LB/HR KIPPER BOILER EQUIPPED WITH A ZURN

MULTICLONE, A VENTURI SCRUBBER AND DEMISTER HANDLING 120,000 CFM,

7' DIAMETER X 187.5' HIGH STACK.

2. THE SCRUBBER WAS ABLE TO COMPLY AT 18" DIFFERENTIAL PRESSURE INITIALLY;

CURRENTLY IT HAD TO BE RAMPED UP TO 25" DIFFERENTIAL PRESSURE TO MEET

THE STANDARD (0.04 GR/SCF); BOISE HOPES TO UPGRADE THE SCRUBBER & MEET

THE BACT REQUIRED STANDARD (NOW RACT @ 18" DIFFERENTIAL PRESSURE).

3. APPLICABLE CODES: REGULATION I, SECTION 3.11 & SECTION 6.07(B)

REPORT DATE: 07/27/93

DETAILED SOURCE LISTING (Part A)

PAGE H- 651

BLIS ID No. WA-0217

DATE ENTERED/UPDATED: 06/22/93

COMPANY NAME/SITE LOCATION: SCOTT PAPER COMPANY
2600 FEDERAL AVENUE
EVERETT, WA 98206-

COUNTY

DETERMINATION IS FOR A MODIFIED SOURCE.

PERMIT NO. 1821

DETERMINATION MADE BY: PUGET SOUND AIR POLL CONTROL AGENCY, WA
(AGENCY)

CLAUDE WILLIAMS
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 03/28/78
ESTIMATED START-UP DATE-- 06/29/79
(206) 689-4066
(PHONE)

AIRS ID NO. N/A

EPA ID NO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT NAME	EMISSION LIMITS (PRIMARY) (STANDARDIZED)		BASIS EST % EFF
			CTRL EQUIPMENT/PROCESS MODIFICATION RANKING INFORMATION		

BOILER, WOOD WASTE-HOG FUEL (5)

260000.00 CFM

PROCESS CODE 11.008
SCC CODE

PM
CAS NO.

20.0000 % OPACITY
0.0000
BAGHOUSE @ 260,000 ACFM

RACT
0.000

PM
CAS NO.

0.2000 GR/SCF @ 12% CO2
0.0000
BAGHOUSE @ 260,000 ACFM

RACT
0.000

- NOTES: 1. DETERMINATION IS FOR A 260,000 ACFM STANDARD HAVENS OR EQUIVALENT
BAGHOUSE TO BE INSTALLED ON (5) EXISTING HOG FUEL BOILERS.
2. THIS BAGHOUSE SOLVED SCOTT PAPER COMPANY'S OPACITY PROBLEM.

COMPANY NAME/SITE LOCATION: DOMTAR GYPSUM AMERICA, INC.
1244 ALEXANDER AVE & BLAIR WTW
TACOMA, WA 98421-

COUNTY

DETERMINATION IS FOR A NEW SOURCE.
PERMIT NO. 2026

DATE OF PERMIT ISSUANCE-- 05/21/80

DETERMINATION MADE BY: PUGET SOUND AIR POLL CONTROL AGENCY, WA
(AGENCY)

ESTIMATED START-UP DATE-- 02/08/82

CLAUDE WILLIAMS
(AGENCY CONTACT PERSON)

(206) 689-4066
(PHONE)

AIRS ID NO. 053-00132

EPA ID NO.

PROCESSES SUBJECT TO THIS PERMIT		THROUGHPUT CAPACITY	POLLUTANT NAME	EMISSION LIMITS (PRIMARY) (STANDARDIZED)		CTRL EQUIPMENT/PROCESS MODIFICATION RANKING INFORMATION	BASIS EST % EFF
MATL TRANSFER/HAND, UNLOADING, SHIP		3000.00 CFM		PM	0.0020 GR/SCF	LAER	0.000
PROCESS CODE 90.024 SCC CODE				CAS NO.	0.0000	BAGHOUSE (FLEX-KLEEN OR EQUIV PULSE JET)	
LANDPLASTER		5000.00 CFM					
PROCESS CODE 90.024 SCC CODE				PM	0.0020 GR/SCF	LAER	0.000
				CAS NO.	0.0000	BAGHOUSE (FLEX-KLEEN OR EQUIV PULSE JET)	
MILLS, IMPACT & CYCLONES (8)		10000.00 CFM					
PROCESS CODE 90.024 SCC CODE				PM	0.0020 GR/SCF	LAER	0.000
				CAS NO.	0.0000	BAGHOUSE (FLEX-KLEEN OR EQUIV PULSE JET)	

MATL TRANSFER/HAND, STUCCO HANDLING	2500.00 CFM				
PROCESS CODE 90.024		PM	0.0030 GR/SCF	LAER	
SCC CODE		CAS NO.	0.0000	0.0000	
			BAGHOUSE (FLEX-KLEEN OR EQUIV PULSE JET)		
SCORING/BUFFING	500.00 CFM				
PROCESS CODE 90.024		PM	0.0030 GR/SCF	LAER	
SCC CODE		CAS NO.	0.0000	0.0000	
			BAGHOUSE (FLEX-KLEEN OR EQUIV PULSE JET)		
SAWS, TRIM	4500.00 CFM				
PROCESS CODE 90.024		PM	0.0020 GR/SCF	LAER	
SCC CODE		CAS NO.	0.0000	0.0000	
			BAGHOUSE (FLEX-KLEEN OR EQUIV PULSE JET)		
DRYER, BOARD - COE OR EQUIV 8 DECK DRYER	0.00				
PROCESS CODE 90.024		PM	0.0230 GR/SCF	LAER	
SCC CODE		CAS NO.	0.0000	0.0000	

NOTES: 1. DETERMINATION IS FOR (1) WALLBOARD PLANT WITH (7) EMISSION SOURCES:

- 1) SHIP UNLOADING @ 3,000 CFM; 2) & 2A) LANDPLASTER @ 5,000 CFM; 3) 8 IMPACT MILLS & SYCLONES @ 10,000 CFM; 4) STUCCO HANDLING @ 2,500 CFM;
- 5) SCORING/BUFFING @ 500 CFM; 6) TRIM SAWS @ 4,500 CFM; & 7) BOARD DRYER
- COE OR EQUIVALENT 8 DECK DRYER.

2. SOURCES 1-6 CONTROLLED BY FLEX-KLEEN OR EQUIVALENT PULSE JET BAGHOUSES.

3. DONTAR SUCCESSFULLY PASSED SOURCE TEST. THEY DID NOT HAVE TO PROVIDE OFFSETS IN PM NON-ATTAINMENT AREA BECAUSE THE EMISSIONS ARE LESS THAN 25 TPY.

COMPANY NAME/SITE LOCATION: FAIRCHILD BI POLAR - LSI SYSTEM

1111 39TH AVE S.E.

PUYALLUP, WA 98371-

COUNTY

DETERMINATION IS FOR A MODIFIED SOURCE.

PERMIT NO. NC2330

DETERMINATION MADE BY: PUGET SOUND AIR POLL CONTROL AGENCY, WA

CLAUDE WILLIAMS

(AGENCY)

(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 02/08/82

ESTIMATED START-UP DATE-- 12/10/82

(206) 689-4066

(PHONE)

AIRS ID NO.

EPA ID NO.

EMISSION LIMITS (PRIMARY)		(STANDARDIZED)	
PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	CTRL EQUIPMENT/PROCESS MODIFICATION RANKING INFORMATION	BASIS EST % EFF

INTEGRATED CIRCUIT MFG. FUME EXHAUST SYS.- ACID

0.00

PROCESS CODE 99.006

SCC CODE

VOC

CAS NO.

0.0000

0.0000

BACT-OTHER

0.000

THREE FANS & WET SCRUBBERS (@ 86,000 TOT *

INTEGRATED CIRCUIT MFG. FUME EXHAUST SYS.- SOLVENT

0.00

PROCESS CODE 99.006

SCC CODE

VOC

CAS NO.

0.0000

0.0000

BACT-OTHER

0.000

THREE FANS @ 43,000 TOTAL CFM

INTEGRATED CIRCUIT MFG. - SCRUBBER SYSTEM

0.00

PROCESS CODE 49.999

SCC CODE

VOC

CAS NO.

0.0000

0.0000

BACT-OTHER

0.000

PRESCRUBBERS (4), FINAL SCRUBBERS (2) @ *

MATERIAL STORAGE, TANK, ACETONE (TANK NO. 6)	7000.00 GALLON			
PROCESS CODE 42.009		VOC	0.0000	BACT-OTHER
SCC CODE		CAS NO.	0.0000	0.000
MATERIAL STORAGE, TANK, WASTE SOLVENT (2)	6000.00 GALLON EACH			
PROCESS CODE 42.009		VOC	0.0000	BACT-OTHER
SCC CODE		CAS NO.	0.0000	0.000
MATERIAL STORAGE, TANK, ISOPROPYL ALCOHOL	7000.00 GALLON			
PROCESS CODE 42.009		VOC	0.0000	BACT-OTHER
SCC CODE		CAS NO.	0.0000	0.000
BOILERS (3 - 12.5 MMBTU/HR EACH)	0.00			
PROCESS CODE 11.004		VOC	0.0000	BACT-OTHER
SCC CODE		CAS NO.	0.0000	0.000

NOTES: 1. SOURCE IS BATCH PROCESSING OF SILICON WAFERS.

2. DETERMINATION IS FOR INTEGRATED CIRCUIT MANUFACTURING: ONE ACID FUME EXHAUST SYSTEM WITH THREE FANS AND HARRINGTON HPH-1010 WET SCRUBBERS @ 86,000 TOTAL CFM; ONE SOLVENT FUME EXHAUST SYSTEM W/ THREE FANS @ 43,000 TOTAL CFM; ONE EPI SCRUBBER SYSTEM WITH FOUR AIRPROTECK, MODEL SD-2 PRESCRUBBERS AND TWO CEILCOTE TRI-MODE FINAL SCRUBBERS @ 1000 CFM; ONE 7000 GALLON ACETONE STORAGE TANK (#6); ONE 7000 GALLON ISOPROPYL ALCOHOL STORAGE TANK; TWO 6000 GALLON WASTE SOLVENT STORAGE TANKS; (3) CLEAVER BROOKS CB 300 GAS/DIESEL BOILER @ 12,500,000 BTU/HR EACH.
3. MAY ONLY BURN WASTE SOLVENTS WHICH DO NOT CONTAIN HALOGENATED.

REPORT DATE: 07/27/93

DETAILED SOURCE LISTING (Part A)
BLIS ID No. WA-0220

PAGE H- 656
DATE ENTERED/UPDATED: 07/07/93

COMPANY NAME/SITE LOCATION: FRED TEBB & SONS, INC.
1906 MARC ST.
TACOMA, WA 98401-

COUNTY

DETERMINATION IS FOR A NEW SOURCE.

PERMIT NO. NC2381

DETERMINATION MADE BY: PUGET SOUND AIR POLL CONTROL AGENCY, WA
(AGENCY)

CLAUDE WILLIAMS
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 08/13/82
ESTIMATED START-UP DATE-- 02/28/83
(206) 689-4066
(PHONE)

AIRS ID NO.

EPA ID NO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT NAME	EMISSION LIMITS (PRIMARY) (STANDARDIZED)	
			CTRL EQUIPMENT/PROCESS MODIFICATION RANKING INFORMATION	BASIS EST % EFF

BOILER, WOOD WASTE

300.00 BHP

PROCESS CODE 11.008
SCC CODE

PM
CAS NO.

0.0400 GR/DSCF @ 12% CO2
0.0000
BAGHOUSE

BACT-OTHER
0.000

SURGE BIN

66.00 UNIT CAPACITY

PROCESS CODE 11.999
SCC CODE

PM
CAS NO.

0.0400 GRAINS/DSCF
0.0000
CYCLONE

BACT-OTHER
0.000

REPORT DATE: 07/27/93

DETAILED SOURCE LISTING (Part A)
BLIS ID No. WA-0220

PAGE H- 657
DATE ENTERED/UPDATED: 07/07/93

PM	20.0000 % OPACITY	RACT
CAS NO.	0.0000	0.000
	CYCLONE	

NOTES: 1. DETERMINATION FOR ONE RAY BURNER CO. MODEL HW 300 WOOD WASTE BOILER AT
300 BHP CONTROLLED BY ONE MIKRO PUL 121-S-10 TR BAGHOUSE; ONE SURGE
BIN, 66 UNIT CAPACITY CONTROLLED BY #16 CYCLONE, 6'10" IN DIAMETER
@ MAX. OF 5300 CFM.

REPORT DATE: 07/27/93

DETAILED SOURCE LISTING (Part A)
BLIS ID No. WA-0221

PAGE H- 658
DATE ENTERED/UPDATED: 12/03/92

COMPANY NAME/SITE LOCATION: PACIFIC COAST COAL COMPANY
SECTION 11 & 12, T2 1N, R6E WM
BLACK DIAMOND, WA 98010-

COUNTY

DETERMINATION IS FOR A NEW SOURCE.

PERMIT NO. 2390

DETERMINATION MADE BY: PUGET SOUND AIR POLL CONTROL AGENCY, WA
(AGENCY)

CLAUDE WILLIAMS
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 06/01/84
ESTIMATED START-UP DATE-- 12/31/86
(206) 689-4066
(PHONE)

AIRS ID NO. N/A

EPA ID NO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT NAME	EMISSION LIMITS (PRIMARY) (STANDARDIZED)		BACT-OTHER
			CTRL EQUIPMENT/PROCESS MODIFICATION RANKING INFORMATION	BASIS EST % EFF	

COAL MINING OPERATIONS (w/ CRUSHER)

200.00 TPH

PROCESS CODE 90.023

SCC CODE

FUGITIVE DUST-PM

CAS NO.

0.0000

0.0000

BACT-OTHER

0.000

NOTES: 1. DETERMINATION IS FOR JOHN HENRY NO. 1 COAL MINE: w/ (1) KANAWBA GRIZZLY
FEEDER, (1) 24 X 30 TYPE K PENNSYLVANIA CRUSHER, (1) 200 TPH
PLANT FEED BELT, (1) 100 TON REFUSE BIN, (1) 160 TPH REFUSE BELT,
(1) 120 TON CLEAN COAL BIN; (2) TEMPORARY AND (1) PERMANENT SPOIL PILE;
(1) TOPSOIL STOCKPILE; (3) COAL STOCKPILES (RUN-OF-MINE COAL, STOKER
COAL, CLEAN COAL).

2. CONTROL MEASURES: OPERATE A HIGH-VOLUME SAMPLING STATION FOR A MIN OF
3 YEARS AND CONTROL EMISSIONS IN ACCORDANCE WITH COMPREHENSIVE EMISSION
CONTROL PLAN (2/7/84).

3. LIMIT FOR FUGITIVE DUST (PM) - NUISANCE, REGULATION I-SECTION 9.11.

BLIS ID No. WA-0222

DATE ENTERED/UPDATED: 06/22/93

COMPANY NAME/SITE LOCATION: LILYBLAD PETROLEUM, INC.
1701 ALEXANDER
TACOMA, WA 98421-

COUNTY

DETERMINATION IS FOR A NEW SOURCE.

PERMIT NO. NC2392

DETERMINATION MADE BY: PUGET SOUND AIR POLL CONTROL AGENCY, WA
(AGENCY)

CLAUDE WILLIAMS
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 01/05/83
ESTIMATED START-UP DATE-- 07/05/83
(206) 689-4066
(PHONE)

AIRS ID NO.

EPA ID NO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT NAME	EMISSION LIMITS (PRIMARY (STANDARDIZED))		BASIS EST % EFF
			CTRL EQUIPMENT/PROCESS MODIFICATION RANKING INFORMATION		

BOILER

0.00

PROCESS CODE 11.006
SCC CODE

PM
CAS NO.

0.0000
0.0000

RACT
0.000

HEATER, HEAT TRANSFERRED LIQUID

0.00

PROCESS CODE 11.006
SCC CODE

PM
CAS NO.

0.0000
0.0000

RACT
0.000

DEHYDRATION SYSTEM, WASTE OIL

2000.00 GPH

PROCESS CODE 50.999
SCC CODESO2
CAS NO. 7446-09-5
0.0000
0.0000
RACT
0.000PM
CAS NO.
0.0000
0.0000
RACT
0.000SO2
CAS NO. 7446-09-5
0.0000
0.0000
RACT
0.000

SPLITTER, GASOLINE/FUEL OIL

1000.00 GPH

PROCESS CODE 50.005
SCC CODEPM
CAS NO.
0.0000
0.0000
RACT
0.000SO2
CAS NO. 7446-09-5
0.0000
0.0000
RACT
0.000

MATERIAL STORAGE, TANKS (22)

20000.00 GALLONS

PROCESS CODE 42.005
SCC CODEPM
CAS NO.
0.0000
0.0000
RACT
0.000

MATL TRANSFER/HAND, FILLSTAND WITH LOADING BAYS

0.00

PROCESS CODE 42.005
SCC CODENONE IDENTIFIED
CAS NO.
0.0000
0.0000
0.000

SEPARATOR, API	0.00			
PROCESS CODE 50.005			0.0000	
SCC CODE		NONE IDENTIFIED CAS NO.	0.0000	0.000

NOTES: 1. DETERMINATION FOR ONE DIESEL OIL-FIRED BIRCHFIELD BOILER, MODEL 3L3053,
@ 1750 MBH; ONE CLEAVER BROOKS DIESEL OIL-FIRED, MODEL IPT-50 HEAT
TRANSFER LIQUID HEATER @ 7143 MBH; ONE WASTE OIL DEHYDRATION SYSTEM PER
DRAWING NO. 101, 2000 GPH DESIGN; ONE GASOLINE/FUEL OIL SPLITTER @ 1000
GPH; 22 CONE ROOF 20,000 GALLON STORAGE TANKS, 11'6" DIA. BY 30' HIGH
(NOS. 10, 15 TO 31, 34, 35, 40, 44, 50, 54); ONE FILLSTAND W/ LOADING
BAYS ON EACH SIDE; ONE API SEPARATOR.

2. ONLY DIESEL #2 FUEL MAY BE BURNED IN THE BIRCHFIELD OR CLEAVER BROOKS
UNITS; RESIDUAL FUEL OIL IS NOT ALLOWED.

3. AMMONIA INJECTED INTO OVERHEAD PROCESS CONDENSATE LINE; CONTROLLED AUTO.

REPORT DATE: 07/27/93

DETAILED SOURCE LISTING (Part A)

PAGE H- 662

BLIS ID No. WA-0223

DATE ENTERED/UPDATED: 06/22/93

COMPANY NAME/SITE LOCATION: ACCURATE PLASTICS INC.
35703 16TH AVE S
FEDERAL WAY, WA 98003-

COUNTY

DETERMINATION IS FOR A NEW SOURCE.

PERMIT NO. 2523

DETERMINATION MADE BY: PUGET SOUND AIR POLL CONTROL AGENCY, WA
(AGENCY)

CLAUDE WILLIAMS
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 05/02/84
ESTIMATED START-UP DATE-- 09/17/84
(206) 689-4066
(PHONE)

AIRS ID NO. 053-00186

EPA ID NO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT NAME	EMISSION LIMITS (PRIMARY) (STANDARDIZED)		BACT-OTHER
			CTRL EQUIPMENT/PROCESS MODIFICATION RANKING INFORMATION	BASIS EST % EFF	

MANUFACTURING, FIBERGLASS

18000.00 CFM

PROCESS CODE 49.005
SCC CODE

VOC
CAS NO.

0.0000
0.0000

BACT-OTHER
0.000

STYRENE
CAS NO. 100-42-5

50.0000 PPM IN STACK
0.0000

BACT-OTHER
0.000

- NOTES: 1. DETERMINATION IS FOR (1) 3 LB/MIN GEL COAT UNIT, (2) 16 LB/MIN CHOPPER GUNS, (1) 18,000 CFM FIBERGLASS SPRAY BOOTH WITH DRY FILTERS, AND (1) 24,000 CFM CYCLONE FOR THE GRINDING AREA.
2. WITHIN 60 DAYS OF STARTUP AN AGENCY OBSERVED TEST SHALL BE CONDUCTED USING NIOSH METHOD 127. TEST WILL HAVE 3 RUNS, EACH IN A SEPARATE HOUR WITH 2 CHOPPER GUNS IN OPERATION.
3. THE EMISSION LIMIT FOR VOC IS FOR ODOR ACCORDING TO REGULATION I, SECTION 9.11.

REPORT DATE: 07/27/93

DETAILED SOURCE LISTING (Part A)

PAGE H- 663

BLIS ID No. WA-0224

DATE ENTERED/UPDATED: 07/02/93

COMPANY NAME/SITE LOCATION: U.S. OIL & REFINING COMPANY
3001 MARSHALL AVENUE
TACOMA, WA 98401-

COUNTY

DETERMINATION IS FOR A NEW SOURCE.

PERMIT NO. 2573

DETERMINATION MADE BY: PUGET SOUND AIR POLL CONTROL AGENCY, WA
(AGENCY)

CLAUDE WILLIAMS
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 02/06/85
ESTIMATED START-UP DATE-- 04/23/87
(206) 689-4066
(PHONE)

AIRS ID NO. 053-00022

EPA ID NO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT NAME	EMISSION LIMITS (PRIMARY) (STANDARDIZED)	
			CTRL EQUIPMENT/PROCESS MODIFICATION RANKING INFORMATION	BASIS EST % EFF

MATERIAL STORAGE, TANKS, HEAVY GAS OIL (2)

80000.00 BBL (BOTH)

PROCESS CODE 42.005
SCC CODE

SO2
CAS NO. 7446-09-5

0.0000
0.0000

BACT-OTHER
0.000

BOILER, FUEL-FIRED

0.00

NOX
CAS NO.

0.0000
0.0000

BACT-OTHER
0.000

PROCESS CODE 11.004
SCC CODE

SO2
CAS NO. 7446-09-5

0.0000
0.0000

BACT-OTHER
0.000

NOX	0.0000	BACT-OTHER
CAS NO.	0.0000	0.000

HYDROCRACKER (W/ FUEL-FIRED FEED HEATER)

10000.00 BARRELS/DAY

PROCESS CODE 50.003
SCC CODE

SO2
CAS NO. 7446-09-5

0.0000
0.0000

BACT-OTHER
0.000

NOX
CAS NO.

0.0000
0.0000

BACT-OTHER
0.000

RECOVERY UNIT, CLAUS SULFUR (W/ TAIL GAS TREATMENT

118.00 TPD

PROCESS CODE 50.006
SCC CODE

SO2
CAS NO. 7446-09-5

0.0000
0.0000

BACT-OTHER
0.000

NOX
CAS NO.

0.0000
0.0000

BACT-OTHER
0.000

MEROX UNITS (2)

0.00

PROCESS CODE 50.006
SCC CODE

SO2
CAS NO. 7446-09-5

0.0000
0.0000

BACT-OTHER
0.000

NOX
CAS NO.

0.0000
0.0000

BACT-OTHER
0.000

AMINE TREATING SYSTEM (FOR REFINERY FUEL GAS)	0.00				
PROCESS CODE 50.006		NONE REPORTED	0.0000		
SCC CODE		CAS NO.	0.0000		0.000
SOUR WATER SYSTEMS (2 - (1) 120 GPM, (1) 20 GPM)	140.00 GPM (TOTAL)				
PROCESS CODE 50.006		NONE REPORTED	0.0000		
SCC CODE		CAS NO.	0.0000		0.000
COOLING TOWER	0.00				
PROCESS CODE 99.009		SO2	0.0000		BACT-OTHER
SCC CODE		CAS NO. 7446-09-5	0.0000		0.000
		NOX	0.0000		BACT-OTHER
		CAS NO.	0.0000		0.000
HYDROGEN PRODUCTION UNIT (W/ HEATER)	228.00 MILLION SCF				
PROCESS CODE 50.003		SO2	3.4000 LB/HR		BACT-OTHER
SCC CODE		CAS NO. 7446-09-5	0.0000		0.000
		NOX	55.0000 PPM @ 3% O2, DRY		BACT-OTHER
		CAS NO.	0.0000		0.000
PROCESSING UNIT, RESIDUAL OIL (W/ FEED HEATER)	8200.00 BPD				
PROCESS CODE 50.003		SO2	2.0000 LB/HR		BACT-OTHER
SCC CODE		CAS NO. 7446-09-5	0.0000		0.000

FLARE	0.00	NOX CAS NO.	50.0000 PPM @ 3% O2, DRY 0.0000	BACT-OTHER 0.000
PROCESS CODE 50.008		SO2	0.0000	BACT-OTHER
SCC CODE		CAS NO. 7446-09-5	0.0000	0.000
		NOX	0.0000	BACT-OTHER
		CAS NO.	0.0000	0.000

NOTES: 1. DETERMINATION IS FOR (2) 80,000 BARRELS CONE ROOF TANKS (STORE HEAVY GAS OIL); (1) BOILER @ 98.9 MMBTU/HR (GAS/FUEL OIL); (1) HYDROCRACKER RATED @ 10,000 BARRELS/DAY WITH 1 FEED HEATER @ 60.4 MMBTU/HR (FUEL OIL); (1) HYDROGEN PRODUCTION UNIT @ 228 MMSCF OF HYDROGEN/DAY W/ (1) HEATER @ 190 MMBTU/HR (REFINERY GAS); (1) RESIDUAL OIL PROCESSING UNIT @ 8200 BARREL/DAY W/ (1) FEED HEATER @ 115 MMBTU/HR (REFINERY GAS); (1) CLAUS SULFUR RECOVERY UNIT W/ TAIL GAS TREATMENT @ 118 TONS OF SULFUR/DAY; (2) MEROX UNITS; (1) AMINE TREATING SYSTEM FOR REFINERY FUEL GAS; (2) SOUR WATER SYSTEMS, RATED @ 120 GPM AND @ 20 GPM; (1) COOLING TOWER; & (1) FLARE.

2. APPLICABLE CODE: 40 CFR 60

BLIS ID No. WA-0225

DATE ENTERED/UPDATED: 06/22/93

COMPANY NAME/SITE LOCATION: FIELDS PRODUCTS
2240 TAYLOR WAY
TACOMA, WA 98421-

COUNTY

DETERMINATION IS FOR A NEW SOURCE.

PERMIT NO. NC2529

DETERMINATION MADE BY: PUGET SOUND AIR POLL CONTROL AGENCY, WA
(AGENCY)

CLAUDE WILLIAMS

(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 05/01/84

ESTIMATED START-UP DATE-- 07/16/85

(206) 689-4066

(PHONE)

AIRS ID NO.

EPA ID NO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT NAME	EMISSION LIMITS (PRIMARY) (STANDARDIZED)		BASIS EST % EFF
			CTRL EQUIPMENT/PROCESS MODIFICATION RANKING INFORMATION		

ASPHALT BLOWING STILLS (2)

15000.00 GAL EACH

PROCESS CODE 90.004
SCC CODEPM
CAS NO.0.4000 LB/TON ASPHALT CHGD
0.0000BACT-OTHER
0.000

THERMAL OXIDIZER (W/ BURNER, ASPHALT HEAT *

MATERIAL STORAGE, TANK, ASPHALT (3)

0.00

PROCESS CODE 90.004
SCC CODEPM
CAS NO.0.0000
0.0000

0.000

MIST ELIMINATOR

MATL TRANSFER/HAND, TRUCK LOADING RACK

0.00

PROCESS CODE 90.004
SCC CODEPM
CAS NO.0.0000
0.0000

0.000

MIST ELIMINATOR

REPORT DATE: 07/27/93

DETAILED SOURCE LISTING (Part A)

PAGE H- 668

BLIS ID No. WA-0225

DATE ENTERED/UPDATED: 06/22/93

ASPHALT VENT PACKAGE AREA

0.00

PROCESS CODE 90.004

SCC CODE

PM

CAS NO.

0.0000

0.0000

0.000

MIST ELIMINATOR

NOTES: 1. DETERMINATION FOR: TWO VERTICAL ASPHALT BLOWING STILL @ 15,000 GAL

EACH, 12' DIA X 13'; ONE JOHN ZINK THERMAL OXIDIZER W/ 10MMBH YE-O FUEL

GAS BURNER, ASPHALT HEATER, AND BOILER; THREE ASPHALT STORAGE TANKS;

ONE TRUCK LOADING RACK; ONE MONSANTO ATV 1500 ASPHALT VENT PACKAGE W/

MIST ELIMINATOR SERVING TRUCK RACK, PACKAGING AREA, AND STORAGE TANKS.

2. SUBJECT TO REQUIREMENTS OF 40 CFR 60 SUBPART UU AND PSAPCA LETTER DATED

05/01/84.

3. PARTICULATE EMISSIONS FROM THERMAL OXIDIZER MAY NOT EXCEED 0.4 LB PER

TON OF ASPHALT CHARGED TO THE STILL.

REPORT DATE: 07/27/93

DETAILED SOURCE LISTING (Part A)

PAGE H- 669

BLIS ID No. WA-0226

DATE ENTERED/UPDATED: 07/07/93

COMPANY NAME/SITE LOCATION: U.S. NAVY, PUGET SOUND NAVAL SHIPYARD
2ND & PACIFIC AVE
BREMERTON, WA 98314-

COUNTY

DETERMINATION IS FOR A NEW SOURCE.

PERMIT NO. NC2545

DETERMINATION MADE BY: PUGET SOUND AIR POLL CONTROL AGENCY, WA
(AGENCY)

CLAUDE WILLIAMS
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 09/25/84
ESTIMATED START-UP DATE-- 03/31/85
(206) 689-4066
(PHONE)

AIRS ID NO. 035-00003

EPA ID NO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT NAME	EMISSION LIMITS (PRIMARY) (STANDARDIZED)	
			CTRL EQUIPMENT/PROCESS MODIFICATION RANKING INFORMATION	BASIS EST % EFF

BOILERS (3)

0.00

PROCESS CODE 11.004

SCC CODE

PM 0.0000 BACT-OTHER
CAS NO. 0.0000 0.000
RA BAGHOUSES (3) @ 51,300 CFM (150F) EAC *

SO2 0.0000 BACT-OTHER
CAS NO. 7446-09-5 0.0000 0.000

SPRAY DRYER SO2 ABSORBERS

NOX 0.6000 LB/MMBTU BACT-OTHER
CAS NO. 0.6000 LB/MMBTU 0.000
RA BAGHOUSES (3) @ 51,000 CFM (150F) EAC *

BE 0.0004 LB/HR PER BOILER BACT-OTHER
CAS NO. 7440-41-7 0.0000 0.000
RA BAGHOUSES (2) @ 51,000 CFM (150F) EAC *

BLIS ID No. WA-0226

DATE ENTERED/UPDATED: 07/07/93

MATL TRANSFER/HAND, COAL, (W/ CRUSHER, 6 BUNKERS)		200.00 TPH				
PROCESS CODE 90.011						
SCC CODE						
VOC	9.8000 LB/HR PER BOILER	BACT-OTHER				
CAS NO.	0.0000	0.000				
	BAGHOUSES (3) @ 51,000 CFM (150F) EACH					
CO	200.0000 PPM @ 7% O2, DRY	0.000				
CAS NO. 630-08-0	0.0000	0.000				
	RA BAGHOUSES (3) @ 51,000 CFM (150F) EAC *					
PM	0.0000	BACT-OTHER				
CAS NO.	0.0000	0.000				
	BAG FILTERS					
S02	0.0000	BACT-OTHER				
CAS NO. 7446-09-5	0.0000	0.000				
	BAG FILTERS					
CO	0.0000	BACT-OTHER				
CAS NO. 630-08-0	0.0000	0.000				
	BAG FILTERS					
MATL TRANSFER/HAND, ASH HANDLING SYSTEM		20.00 TPH				
PROCESS CODE 11.999						
SCC CODE						
PM	0.0000	BACT-OTHER				
CAS NO.	0.0000	0.000				
	(2) BAGHOUSES					
S02	0.0000	BACT-OTHER				
CAS NO. 7446-09-5	0.0000	0.000				
	(2) BAGHOUSES					
CO	0.0000	BACT-OTHER				
CAS NO. 630-08-0	0.0000	0.000				
	(2) BAGHOUSES					

MATL TRANSFER/HAND, LIME HANDLING SYS	12.00 TPH				
PROCESS CODE 90.019		PM	0.0000		BACT-OTHER
SCC CODE		CAS NO.	0.0000		0.000
			BAGHOUSE		
MATERIAL STORAGE, TANK, OIL	2500.00 BBL				
PROCESS CODE 42.009		VOC	2.0000 TPY		
SCC CODE		CAS NO.	0.0000		0.000
ENGINES, DIESEL (5)	0.00				
PROCESS CODE 15.002		NOX	71.0000 LB/HR PER UNIT		
SCC CODE		CAS NO.	0.0000		0.000
		CO	13.6000 LB/YR PER UNIT		
		CAS NO. 630-08-0	0.0000		0.000
		VOC	1.2000 LB/HR PER UNIT		
		CAS NO.	0.0000		0.000

- NOTES: 1. DETERMINATION FOR P-500 STEAM PLANT CONSISTING OF: (3) RILEY STOKER VR-C3 (MOD.) COAL/#2 OIL-FIRED BOILERS, CONTROLLED BY (3) ANHYDRO TYPE V-AK MODEL NO. 78 SPRAY DRYER SO2 ABSORBERS, AND (3) GE ESI 6-132-8-24 RA BAGHOUSES @ 51,000 CFM (150F) EACH; (1) 200 TPH COAL HANDLING SYSTEM W/ CRUSHER, SIX BUNKERS, AND BAG FILTERS, DENSE FOG DUST SUPPRESSION; (1) 20 TPH ASH HANDLING SYSTEM W/ (2) BAGHOUSES; (1) 12 TPH LIME HANDLING SYSTEM W/ BAGHOUSE; (1) 2500 BBL OIL STORAGE TANK; (5) GM EMD 645 FB 20 CYL. OIL-FIRED DIESEL ENGINES.
2. SUBJECT TO THE PROVISIONS OF PSAPCA LETTER DATED: SEPTEMBER 25, 1984.
3. CEM REQUIRED

BLIS ID No. WA-0227

DATE ENTERED/UPDATED: 07/07/93

COMPANY NAME/SITE LOCATION: ENERGY PRODUCTS OF IDAHO (EPI)

1121 TAYLOR WAY
TACOMA, WA 98424-

COUNTY

DETERMINATION IS FOR A NEW SOURCE.

PERMIT NO. NC2546

DETERMINATION MADE BY: PUGET SOUND AIR POLL CONTROL AGENCY, WA
(AGENCY)

CLAUDE WILLIAMS
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 03/26/86
ESTIMATED START-UP DATE-- 09/30/86
(206) 689-4066
(PHONE)

AIRS ID NO.

EPA ID NO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT NAME	EMISSION LIMITS (PRIMARY) (STANDARDIZED)		
			CTRL EQUIPMENT/PROCESS MODIFICATION RANKING INFORMATION	BASIS	EST % EFF

COMBUSTOR, FLUID BED (2)

0.00

PROCESS CODE 11.004
SCC CODE

PM
CAS NO.

0.0100 GR/DSCF @ 7% O2
0.0000
BAGHOUSES (2) @ 175,000 ACFM EACH

LAER
0.000

SO2
CAS NO. 7446-09-5

0.1800 LB/MMBTU :30 DAY AVG
0.0000
BAGHOUSES (2) @ 175,000 ACFM EACH

BACT-OTHER
70.000

CO
CAS NO. 630-08-0

0.5200 LB/MMBTU
0.0000
BAGHOUSES (2) @ 175,000 ACFM EACH

BACT-OTHER
0.000

NO2
CAS NO. 10102-44-0

0.5000 LB/MMBTU
0.0000
BAGHOUSES (2) @ 175,000 ACFM EACH

BACT-OTHER
0.000

REPORT DATE: 07/27/93

DETAILED SOURCE LISTING (Part A)
BLIS ID No. WA-0227

PAGE H- 674
DATE ENTERED/UPDATED: 07/07/93

NOTES: 1. DETERMINATION FOR TACOMA TIDEFLATS CONGENERATION PROJECT (TTCP)

CONSISTING OF: TWO EPI MODEL FBC-600 FLUID BE COMBUSTORS, FIRED W/
COAL, WOOD, OR RDF, @ 354 MMBH; TWO EXISTING STERLING TYPE FOUR DRUM
BOILERS; TWO ECCLAIR #6-986-7(48) OR EQUAL BAGHOUSE USING RYTON FELTED
FABRIC BAGS @ 175,000 ACFM EACH; LIMESTONE STORAGE BIN W/ BAGHOUSE; ASH
HANDLING SYSTEM W/ BAGHOUSE; FUEL HANDLING & STORAGE.

2. SUBJECT TO REQUIREMENTS OF 40 CFR 60, SUBPARTSDDA & E, & PSD PERMIT REQS

3. EPI MUST PROVIDE OFFSETTING PARTICULATE EMISSIONS IN ACCORDANCE W/ REG.

1, SECT 6.08, & PROVIDE CEM IN ACCORDANCE W/ APPENDIX B & F OF 40CFR60.

REPORT DATE: 07/27/93

DETAILED SOURCE LISTING (Part A)

PAGE H- 675

BLIS ID No. WA-0228

DATE ENTERED/UPDATED: 06/22/93

COMPANY NAME/SITE LOCATION: NORTHWEST COOPERAGE CO., INC.
7152 FIRST AVENUE SOUTHW
SEATTLE, WA 98108-

COUNTY

DETERMINATION IS FOR A MODIFIED SOURCE.

PERMIT NO. 2601

DETERMINATION MADE BY: PUGET SOUND AIR POLL CONTROL AGENCY, WA
(AGENCY)

CLAUDE WILLIAMS
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 02/13/85
ESTIMATED START-UP DATE-- 12/31/85
(206) 689-4066
(PHONE)

AIRS ID NO. N/A

EPA ID NO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT NAME	EMISSION LIMITS (PRIMARY) (STANDARDIZED)		BASIS EST % EFF
			CTRL EQUIPMENT/PROCESS MODIFICATION RANKING INFORMATION		

RECLAIMER, DRUM

18000.00 CFM

PROCESS CODE 99.999

SCC CODE

PM

CAS NO.

0.0500 GR/SCF

0.0000

BACT-OTHER

0.000

FLUE GAS QUENCHER/VENTURI SCRUBBER/VENTRA *

- NOTES: 1. THE EMISSION CONTROL SYSTEM CONSISTS OF A FLUE GAS QUENCHER, A VENTURI
SCRUBBER, AND AN ENTRAINMENT SEPARATOR; EXHAUST GAS 18,300 CFM @ 60 F.
2. THE FACILITY MUST INSTALL AND MAINTAIN A CONTINUOUS MEASUREMENT OF
PRESSURE DROP ACROSS THE VENTURI SCRUBBER.

REPORT DATE: 07/27/93

DETAILED SOURCE LISTING (Part A)

PAGE H- 676

BLIS ID No. WA-0229

DATE ENTERED/UPDATED: 06/22/93

COMPANY NAME/SITE LOCATION: WOODWORTH & CO., INC.
2800 104TH STREET SW
TACOMA, WA 98499-

COUNTY

DETERMINATION IS FOR A NEW SOURCE.

PERMIT NO. NC2608

DETERMINATION MADE BY: PUGET SOUND AIR POLL CONTROL AGENCY, WA
(AGENCY)

CLAUDE WILLIAMS
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 12/12/84
ESTIMATED START-UP DATE-- 06/30/85
(206) 689-4066
(PHONE)

AIRS ID NO.

EPA ID NO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT NAME	EMISSION LIMITS (PRIMARY) (STANDARDIZED) CTRL EQUIPMENT/PROCESS MODIFICATION RANKING INFORMATION	BASIS EST & EFF
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ASPHALT DRUM MIX PLANT

0.00

PROCESS CODE 90.004
SCC CODE

PM
CAS NO.

0.0500 GR/SCF FRNT/BCK HLVS
0.0000
RACT
0.000

VENTURI SCRUBBER @ 43,342 ACFM (150F)

MATERIAL STORAGE, SILO, ASPHALT (2)

0.00

PROCESS CODE 90.004
SCC CODE

PM
CAS NO.

0.0000
0.0000
RACT
0.000

NOTES: 1. DETERMINATION FOR ONE CEDARIPDS 10040 ASPHALT DRUM MIX PLANT,
CONTROLLED BY A AV100 VENTURI SCRUBBER @ 43,342 ACFM (150F); TWO
CEDARIPDS MS-200T ASPHALT STORAGE SILOS. THIS ORDER OF APPROVAL SUPER-
SEDES NC-2521, DATED 05/02/84.

2. APPLICABLE STANDARDS: 40 CFR 60, SUBPART I.

REPORT DATE: 07/27/93

DETAILED SOURCE LISTING (Part A)

PAGE H- 677

BLIS ID No. WA-0230

DATE ENTERED/UPDATED: 06/22/93

COMPANY NAME/SITE LOCATION: WEST COAST DOOR, INC.
3102 SOUTH PINE STREET
TACOMA, WA 98409-

COUNTY

DETERMINATION IS FOR A NEW SOURCE.

PERMIT NO. 2616

DETERMINATION MADE BY: PUGET SOUND AIR POLL CONTROL AGENCY, WA
(AGENCY)

CLAUDE WILLIAMS
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 07/02/85
ESTIMATED START-UP DATE-- 01/31/86
(206) 689-4066
(PHONE)

AIRS ID NO. N/A

EPA ID NO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT NAME	EMISSION LIMITS (PRIMARY) (STANDARDIZED)		BACT-OTHER
			CTRL EQUIPMENT/PROCESS MODIFICATION RANKING INFORMATION	EST % EFF	

BOILER, WOOD WASTE

0.00

PROCESS CODE 11.008
SCC CODE

PM
CAS NO.

0.0200 GR/DSCF @ 12% CO2
0.0000

MULTICLONE & BAGHOUSE (PULSE TYPE)

NOTES: 1. DETERMINATION IS FOR (1) VYNCKE USA CORPORATION MODEL LD4000 WOOD WASTE
BOILER WITH VYNCKE MODEL M150 MULTICLONE @ 11,500 CFM (485 F) AND
(1) FABRIC FILTERS NORTHWEST MODEL C42-10 PULSE TYPE BAGHOUSE @ 1725 CFM
FOR HOPPER EVACUATION.
2. FACILITY SHALL NOT OPERATE BOILER MORE THAN 8,160 HR/YR.
3. FACILITY SHALL PERFORM SOURCE TESTS FOR PARTICULATE MATTER WITHIN 60
DAYS OF STARTUP AT BOILER RATING OF 16 MMBH OUTPUT.

REPORT DATE: 07/27/93

DETAILED SOURCE LISTING (Part A)
BLIS ID No. WA-0231

PAGE H- 678
DATE ENTERED/UPDATED: 06/22/93

COMPANY NAME/SITE LOCATION: MERIDIAN MINERALS CO.
392ND ST/VEAZEY-CUMBERLAND RD
ENUMCLAW, WA

COUNTY

DETERMINATION IS FOR A NEW SOURCE.

PERMIT NO. 2629

DETERMINATION MADE BY: PUGET SOUND AIR POLL CONTROL AGENCY, WA
(AGENCY)

CLAUDE WILLIAMS
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 07/14/86
ESTIMATED START-UP DATE-- 01/31/87
(206) 689-4066
(PHONE)

AIRS ID NO. N/A

EPA ID NO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT NAME	EMISSION LIMITS (PRIMARY) (STANDARDIZED)		BACT-OTHER
			CTRL EQUIPMENT/PROCESS MODIFICATION RANKING INFORMATION	BASIS EST % EFF	

CRUSHING PLANT, ROCK

0.00

PROCESS CODE 90.024

SCC CODE

PM

CAS NO.

0.0000

0.000

SONIC DRY FOG DUST SUPPRESSION/DRY MIST *

NOTES: 1. DETERMINATION IS FOR A DRY ROCK CRUSHING & SCREENING PLANT WITH: JAW
CRUSHER, 2 CONE CRUSHERS, GYRADISE CRUSHER, 10 RADIAL STACKING CONVEYORS,
11 BELT CONVEYORS, 5 SCREENS, 10 STORAGE PILES, TRUCK UNLOADING, TRUCK
LOADING, RAILCAR LOADING, DRILLING & BLASTING EQUIPMENT FOR ROCK
EXCAVATION, SCREENING, & CRUSHING OPERATION. (VEAZEY QUARRY)
2. FACILITY SHALL EMPLOY SONIC DRY FOG DUST SUPPRESSION, DRY MIST SPRAY
CONTROL, OR EQUIV ON 19 SPECIFIED TRANSFER POINTS, CRUSHING, SCREENING,
& LOADOUT STATIONS. SUBMITTED AN AIR QUALITY MONITORING PLAN, AS PART
OF NC 2629, INCLUDING THE REQUIREMENT OF OPERATING 2 HIGH VOLUME SAMPLERS.
3. EMISSION LIMIT FOR PARTICULATE MATTER - FUGITIVE DUST REGULATIONS.

REPORT DATE: 07/27/93

DETAILED SOURCE LISTING (Part A)

PAGE H- 679

BLIS ID No. WA-0232

DATE ENTERED/UPDATED: 12/03/92

COMPANY NAME/SITE LOCATION: WATSON ASPHALT PAVING CO., INC.
19220 NE 80TH STREET
REDMOND, WA 98053-

COUNTY

DETERMINATION IS FOR A MODIFIED SOURCE.

PERMIT NO. 2631

DETERMINATION MADE BY: PUGET SOUND AIR POLL CONTROL AGENCY, WA
(AGENCY)

CLAUDE WILLIAMS
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 03/04/85
ESTIMATED START-UP DATE-- 09/30/85
(206) 689-4066
(PHONE)

AIRS ID NO. N/A

EPA ID NO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT NAME	EMISSION LIMITS (PRIMARY) (STANDARDIZED)		BASIC EST & EFF
			CTRL EQUIPMENT/PROCESS MODIFICATION RANKING INFORMATION		

ASPHALT RECYCLE PREHEATER (W/ DIESEL OIL BURNER) 125.00 TPH

PROCESS CODE 90.004
SCC CODE

VOC
CAS NO.

20.0000 % OPACITY; ODOR
0.0000
DEMISTER

BACT-OTHER
0.000

NOTES: 1. DETERMINATION IS FOR (1) CMI 9' DIAM X 36' ASPHALT PREHEATER; CAPACITY
125 TPH, WITH HAUCK 27 MMBH DIESEL OIL-FIRED BURNER, CONTROLLED BY A
DEMISTER.
2. NC2631 APPROVED WITH THE STIPULATION THAT APPROVAL NOT BE USED BY WATSON
ASPHALT PAVING CO., INC., IN REGARD TO PCHB 84-335.

COMPANY NAME/SITE LOCATION: U.S. ARMY - FORT LEWIS

BD 3152, 3RD DIV DR & COL. AVE

FORT LEWIS, WA 98433-

COUNTY

DETERMINATION IS FOR A NEW SOURCE.

PERMIT NO. NC2659

DETERMINATION MADE BY: PUGET SOUND AIR POLL CONTROL AGENCY, WA

CLAUDE WILLIAMS

(AGENCY)

(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 09/24/85

ESTIMATED START-UP DATE-- 12/01/85

(206) 689-4066

(PHONE)

AIRS ID NO. 053-00020

EPA ID NO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT NAME	EMISSION LIMITS (PRIMARY) (STANDARDIZED)	
			CTRL EQUIPMENT/PROCESS MODIFICATION RANKING INFORMATION	BASIS EST % EFF

INCINERATOR, HEAT RECOVERY

2000.00 MBH (TOTAL FOR 2)

PROCESS CODE 29.999

PM

SCC CODE

0.0500 GRAINS/SCF @12% CO2

0.0000

BACT-OTHER

0.000

BOILER, HYDRONIC

0.00

PROCESS CODE 11.999

NONE IDENTIFIED

SCC CODE

CAS NO.

0.0000

0.0000

0.000

BURNER

0.00

PROCESS CODE 11.004

NONE IDENTIFIED

SCC CODE

CAS NO.

0.0000

0.0000

0.000

- NOTES:
1. FACILITY LOCATION: BUILDING 3152, THIRD DIVISION DRIVE & COLLIER AVENUE.
 2. DETERMINATION FOR ONE ADVANCED COMBUSTION MODEL CA-1000 HEAT RECOVERY INCINERATOR, W/ 800 MBH PRIMARY BURNER & 1200 MBH SECONDARY BURNER; ONE ECLIPSE LOOKOUT CO. MODEL 330-SM-HR RECOVERY HYDRONIC BOILER; ONE INDUSTRIAL COMBUSTION MODEL DLG-63 GAS/#2 OIL-FIRED BURNER @ 6300 MBH.
 3. OPERATING LIMITS FOR MAXIMUM OPACITY, HOURLY CHARGING RATE OF WASTE, AND PERCENTAGE OF TYPE 4 WASTE TO BE BASED ON RESULTS OF SOURCE TEST.

REPORT DATE: 07/27/93

DETAILED SOURCE LISTING (Part A)
BLIS ID No. WA-0234

PAGE H- 682
DATE ENTERED/UPDATED: 06/22/93

COMPANY NAME/SITE LOCATION: ALTERNATE ENERGY INDUSTRIES CORPORATION
3510 SOUTH MULLEN STREET
TACOMA, WA 98407-

COUNTY

DETERMINATION IS FOR A NEW SOURCE.

PERMIT NO. 2663

DETERMINATION MADE BY: PUGET SOUND AIR POLL CONTROL AGENCY, WA
(AGENCY)

CLAUDE WILLIAMS
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 05/29/87
ESTIMATED START-UP DATE-- 11/30/87
(206) 689-4066
(PHONE)

AIRS ID NO. N/A

EPA ID NO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT NAME	EMISSION LIMITS (PRIMARY) (STANDARDIZED)		
			CTRL EQUIPMENT/PROCESS MODIFICATION RANKING INFORMATION	BASIS	EST % EFF

PYROLYSIS SYSTEM FOR SOLID WASTE

10000.00 CFM

PROCESS CODE 29.999

SCC CODE

PM

CAS NO.

0.0200 GR/SCF

0.0000

BACT-OTHER

0.000

BAGHOUSE/CYCLONE/AFTERBURNER/SCRUBBER W/ *

NOTES: 1. DETERMINATION IS FOR TIPPING FLOOR FEEDER WITH SELF UNLOADING TRAILER,

(1) HEIL SD-105-32 ROTARY DRYER, (1) SEPARATION CYCLONE & BAGHOUSE

@ 9500 CFM, (1) PYROMODULE WITH COMPRESSION FEED AND DISCHARGE SCREEN;

(1) GREAT PLAINS WASTE MANAGEMENT PYROGAS INCINERATOR, (1) TURBOTAL

WATER SCRUBBER WITH ENTRAINMENT SEPARATOR.

2. NEVER BUILT.

BLIS ID No. WA-0235

DATE ENTERED/UPDATED: 06/22/93

COMPANY NAME/SITE LOCATION: REICHOLD CHEMICALS, INC.
3320 LINCOLN AVENUE
TACOMA, WA 98421-

COUNTY

DETERMINATION IS FOR A NEW SOURCE.

PERMIT NO. 2665

DETERMINATION MADE BY: PUGET SOUND AIR POLL CONTROL AGENCY, WA
(AGENCY)

CLAUDE WILLIAMS
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 06/27/85
ESTIMATED START-UP DATE-- 12/31/85
(206) 689-4066
(PHONE)

AIRS ID NO. N/A

EPA ID NO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT NAME	EMISSION LIMITS (PRIMARY) (STANDARDIZED)		BACT-OTHER EST % EFF
			CTRL EQUIPMENT/PROCESS MODIFICATION RANKING INFORMATION	BASIS	

PAPER TREATMENT LINE

10.00 MMBH

PROCESS CODE 41.014
SCC CODE

VOC
CAS NO.

2.2300 LB/HR
0.0000
AFTERBURNER

BACT-OTHER
0.000

PM
CAS NO.

0.0300 GR/DSCF @ 7% O2
0.0000

BACT-OTHER
0.000

NOTES: 1. DETERMINATION IS FOR (1) TREATED FIBER PRODUCTS (TFP) VITS TYPE IPA/N
TREATING LINE WITH A VITS TYPE TV44 THERMAL INCINERATOR @ 10.2 MMBH.
SYSTEM COORDINATED BY A PROGRAMMABLE CONTROLLER. (PAPER SATURATION
MACHINE WITH DRYER & THERMAL INCINERATOR)

2. PERMIT CONDITIONS:

*INSTALL SAMPLING PORTS ON INCINERATOR STACK.

*INSTALL CONTINUOUS TEMPERATURE RECORDING INSTRUMENT ON THE INCINERATOR.

REPORT DATE: 07/27/93

DETAILED SOURCE LISTING (Part A)

PAGE H- 684

BLIS ID No. WA-0236

DATE ENTERED/UPDATED: 06/22/93

COMPANY NAME/SITE LOCATION: COMMERCIAL PAVING & CONSTRUCTION CO., INC.

21010 CEDAR GROVE ROAD

MAPLE VALLEY, WA 98038-

COUNTY

DETERMINATION IS FOR A NEW SOURCE.

PERMIT NO. 2677

DETERMINATION MADE BY: PUGET SOUND AIR POLL CONTROL AGENCY, WA

(AGENCY)

CLAUDE WILLIAMS

(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 07/24/85

ESTIMATED START-UP DATE-- 09/03/85

(206) 689-4066

(PHONE)

AIRS ID NO. N/A

EPA ID NO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT NAME	EMISSION LIMITS (PRIMARY) (STANDARDIZED)		BASIS EST % EFF
			CTRL EQUIPMENT/PROCESS MODIFICATION RANKING INFORMATION		

DRUM MIX ASPHALT PLANT

300.00 TPH

PROCESS CODE 90.003

SCC CODE

PM

CAS NO.

0.0500 GR/SCF, FRONT/BACK

RACT

0.000

A. AIR WASHER; B. VENTURI SCRUBBER

PM

CAS NO.

0.0400 GR/SCF, FRONT HALF

RACT

0.000

A. AIR WASHER; B. VENTURI SCRUBBER

NOTES: 1. DETERMINATION IS FOR (1) CMF MODEL PDM 732 PORTABLE DRUM MIX ASPHALT PLANT @ 300 TPH, WITH (1) AIR WASHER HDP 732 AND (1) AESCO ADJUSTABLE THROAT VENTURI SCRUBBER; (1) CMI MODEL CE-125 TON SURGE SILO: RECLAIMED ASPHALT CONCRETE (RAP) IS INTRODUCED VIA CONVEYOR BELT AT MID-DRUM POINT. REFERENCE - PERMIT NC 2461.

2. OPERATING LIMITS FOR MAXIMUM OPACITY, WEIGHT PERCENT RAP, STACK TEMPERATURE, AND MINIMUM SCRUBBER PRESSURE DROP WILL BE BASED ON THE RESULTS OF A SOURCE TEST.

3. APPLICABLE CODE: 40 CFR PART 60, SUBPART I

BLIS ID No. WA-0237

DATE ENTERED/UPDATED: 07/07/93

COMPANY NAME/SITE LOCATION: CHEVRON USA, INC./POINT WELLS DISTRIB CTR
20500 RICHMOND BEACH DRIVE
RICHMOND BEACH, WA 98177-

COUNTY

DETERMINATION IS FOR A NEW SOURCE.

PERMIT NO. 2696

DETERMINATION MADE BY: PUGET SOUND AIR POLL CONTROL AGENCY, WA
(AGENCY) CLAUDE WILLIAMS
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 10/15/85
ESTIMATED START-UP DATE-- 01/14/86
(206) 689-4066
(PHONE)

AIRS ID NO. 061-00038

EPA ID NO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT NAME	EMISSION LIMITS (PRIMARY) (STANDARDIZED)		BASIS EST % EFF
			CTRL EQUIPMENT/PROCESS MODIFICATION RANKING INFORMATION		

VAPOR RECOVERY SYSTEM

60000.00 SCF/DAY

PROCESS CODE 42.002

SCC CODE

VOC

CAS NO.

35.0000 MG/L OF GAS LOADED

0.0000

BACT-OTHER

0.000

NOTES: 1. DETERMINATION IS FOR (1) JOHN ZINK MODEL AA-355-8-6 VAPOR RECOVERY UNIT
@ 60,000 SCF/DAY.

REPORT DATE: 07/27/93

DETAILED SOURCE LISTING (Part A)

PAGE H- 686

BLIS ID No. WA-0238

DATE ENTERED/UPDATED: 06/22/93

COMPANY NAME/SITE LOCATION: DATA I/O CORPORATION
10525 WILLOWS ROAD NE
REDMOND, WA 98073-

COUNTY

DETERMINATION IS FOR A NEW SOURCE.

PERMIT NO. 3653

DETERMINATION MADE BY: PUGET SOUND AIR POLL CONTROL AGENCY, WA
(AGENCY)

CLAUDE WILLIAMS
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 11/02/90
ESTIMATED START-UP DATE-- 01/01/89
(206) 689-4066
(PHONE)

AIRS ID NO. N/A

EPA ID NO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT NAME	EMISSION LIMITS (PRIMARY) (STANDARDIZED)		BASIS EST % EFF
			CTRL EQUIPMENT/PROCESS MODIFICATION RANKING INFORMATION		

DEGREASING, SOLVENT, FREON 113

0.00

PROCESS CODE 49.008

SCC CODE

VOC

CAS NO.

0.0000

0.0000

BACT-OTHER

0.000

NOTES: 1. DETERMINATION IS FOR (1) CIRVEL OSL 712 019 7P2 IN-LINE DEGREASER USING
FREON 113.

2. APPROVAL TO USE EXPIRED 8/31/91.

3. FACILITY WAS REQUIRED TO FILL OUT A NOTICE OF CONSTRUCTION AFTER
INSTALLATION WAS DISCOVERED DURING A COMPLIANCE INSPECTION.
(NOTE CONCERNING ESTIMATED START-UP DATE)

REPORT DATE: 07/27/93

DETAILED SOURCE LISTING (Part A)

PAGE H- 687

BLIS ID No. WA-0239

DATE ENTERED/UPDATED: 06/22/93

COMPANY NAME/SITE LOCATION: LAKESIDE INDUSTRIES INC. (#32)
6400 230TH SE
ISSAQUAH, WA 98027-

COUNTY

DETERMINATION IS FOR A NEW SOURCE.

PERMIT NO. 3654

DETERMINATION MADE BY: PUGET SOUND AIR POLL CONTROL AGENCY, WA
(AGENCY)

CLAUDE WILLIAMS
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 11/30/90
ESTIMATED START-UP DATE-- 05/02/91
(206) 689-4066
(PHONE)

AIRS ID NO.

EPA ID NO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT NAME	EMISSION LIMITS (PRIMARY) (STANDARDIZED)		BASIS EST % EFF
			CTRL EQUIPMENT/PROCESS MODIFICATION RANKING INFORMATION		

DRUM MIX ASPHALT PLANT

500.00 TPH

PROCESS CODE 90.003
SCC CODE

PM
CAS NO.

BACT-OTHER
99.000

0.0500 GR/DSCF
0.0000
BAGHOUSE @ 88,000 CFM

VE
CAS NO.

BACT-OTHER
99.000

20.0000 % OPACITY, 3 MIN/HR
0.0000
BAGHOUSE @ 88,000 CFM

NOTES: 1. DETERMINATION IS FOR AN ASPHALT MANUFACTURING AND PROCESSING SOURCE

WITH: (1) 500 TPH BMG 55R40S DRUM MIX ASPHALT PLANT CONTROLLED BY A
BMG BH17600S BAGHOUSE @ 88,000 CFM; (1) 7-BIN COLD FEED SYSTEM;
(1) 6'X14' DOUBLE DECK VIBRATING SCREEN.

2. FACILITY SHALL INSTALL AND MAINTAIN AN ADEQUATE SCAVENGER DUCT FROM ITS
CONVEYOR AND ASPHALT STORAGE SILOS TO THE BURNER IN THE ASPHALT DRYER.

3. THE % RAP PERMITTED WILL BE BASED ON A SOURCE TEST.

4. APPLICABLE CODE: 40 CFR 60, SUBPART I

BLIS ID No. WA-0240

DATE ENTERED/UPDATED: 07/07/93

COMPANY NAME/SITE LOCATION: BLUE STREAK FINISHERS, LTD.

1520 80TH ST SW

EVERETT, WA 98203-

COUNTY

DETERMINATION IS FOR A NEW SOURCE.

PERMIT NO. 3657

DETERMINATION MADE BY: PUGET SOUND AIR POLL CONTROL AGENCY, WA
(AGENCY)

CLAUDE WILLIAMS
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 12/27/90
ESTIMATED START-UP DATE-- / /
(206) 689-4066
(PHONE)

AIRS ID NO. N/A

EPA ID NO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT NAME	EMISSION LIMITS (PRIMARY) (STANDARDIZED)		
			CTRL EQUIPMENT/PROCESS MODIFICATION RANKING INFORMATION	BASIS EST % EFF	

BOILER, GAS/OIL FIRED

0.00

PROCESS CODE 11.004
SCC CODE

PM
CAS NO.

0.0500 GR/DSCF
0.0000

BACT-OTHER
0.000

OVENS, BAKE (2)

700.00 CFM, EACH

PROCESS CODE 41.999
SCC CODE

PM
CAS NO.

0.0000
0.0000

BACT-OTHER
0.000

DEGREASER, VAPOR

0.00

PROCESS CODE 49.008
SCC CODE

VOC
CAS NO.

0.0000
0.0000

BACT-OTHER
0.000

100% FREEBOARD CHILLER AND CHILLER

BLIS ID No. WA-0240

DATE ENTERED/UPDATED: 07/07/93

SPRAY BOOTHS, DRY FILTER (2)	13000.00 CFM			
PROCESS CODE 41.013		PM	0.0000	BACT-OTHER
SCC CODE		CAS NO.	0.0000	0.000
SPRAY BOOTH, WATER FALL	20000.00 CFM			
PROCESS CODE 41.013		PM	0.0000	BACT-OTHER
SCC CODE		CAS NO.	0.0000	0.000
PLATING, ANODIZE TANK, CHROMIC ACID	2000.00 AMPS			
PROCESS CODE 99.002		CRVI	0.0060 MG/AMP-HR	BACT-OTHER
SCC CODE		CAS NO. 7440-47-3	0.0000	99.990
			FUME SCRUBBER @ 12,000 CFM	

NOTES: 1. DETERMINATION IS FOR A CHROMIUM ANODIZING & TREATMENT PLANT WITH:

- (1) Kewanee Classic III 200 GAS/OIL-FIRED BOILER, (1) DEVILBISS PAINT BAKE OVEN, 13X8X8 @ 700 CFM; (1) GRANT EDGEL/RED COMET CV650 PAINT BAKE OVEN, 12X7X7 @ 700 CFM; (1) BARON-BLAKESLEE #DP12-3648 VAPOR DEGREASER; (1) DEVILBISS DF876-100 SPRAY BOOTH @ 13,000 CFM; (1) BLEEKER BROS. #F-12-7-7 SPRAY BOOTH @ 13,000 CFM; (1) DEVILBISS DCCR661 WATER FALL SPRAY BOOTH @ 20,000 CFM; (1) CHROMIC ACID ANODIZE TANK, 30'X4'X8' @ 2000 AMPS CONTROLLED BY A DUAL TYPE F-103-58 FUME SCRUBBER @ 12,000 CFM.
2. APPLICABLE CODE: REGULATION III, SECTION 3.01(C)(2)(C)
3. DEGREASER REQ.-100% FREEBOARD RATIO & REFRIGERATED FREEBOARD CHILLER.

REPORT DATE: 07/27/93

DETAILED SOURCE LISTING (Part A)

PAGE H- 690

BLIS ID No. WA-0241

DATE ENTERED/UPDATED: 06/22/93

COMPANY NAME/SITE LOCATION: WHITEHEAD CO (TYEE DEMOLITION)

600 S MYRTLE ST
SEATTLE, WA 98108-

COUNTY

DETERMINATION IS FOR A MODIFIED SOURCE.

PERMIT NO. 3662

DETERMINATION MADE BY: PUGET SOUND AIR POLL CONTROL AGENCY, WA
(AGENCY)

CLAUDE WILLIAMS
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 10/25/90
ESTIMATED START-UP DATE-- 11/01/90
(206) 689-4066
(PHONE)

AIRS ID NO. N/A

EPA ID NO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT NAME	EMISSION LIMITS (PRIMARY) (STANDARDIZED)		BASIC EST % EFF
			CTRL EQUIPMENT/PROCESS MODIFICATION	RANKING INFORMATION	

BOILER, WOOD WASTE

0.00

PROCESS CODE 11.008

SCC CODE

PM

CAS NO.

0.2000 GR/DSCF

0.0000

BACT-OTHER

0.000

NOTES: 1. DETERMINATION IS FOR EXISTING WOOD WASTE COMBUSTION USED TO BURN DRY
SCRAP WOOD FROM THE DEMOLITION OF THE TYEE MILL.

2. APPROVAL TO BURN UNDER THIS PERMIT EXPIRED 1/31/91.

REPORT DATE: 07/27/93

DETAILED SOURCE LISTING (Part A)

PAGE H- 691

BLIS ID No. WA-0242

DATE ENTERED/UPDATED: 06/22/93

COMPANY NAME/SITE LOCATION: FIELDS CORPORATION
2240 TAYLOR WAY
TACOMA, WA 98421-

COUNTY

DETERMINATION IS FOR A NEW SOURCE.

PERMIT NO. 3666

DETERMINATION MADE BY: PUGET SOUND AIR POLL CONTROL AGENCY, WA
(AGENCY)

CLAUDE WILLIAMS
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 10/18/90
ESTIMATED START-UP DATE-- / /
(206) 689-4066
(PHONE)

AIRS ID NO. N/A

EPA ID NO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT NAME	EMISSION LIMITS (PRIMARY) (STANDARDIZED)		BASIC EST % EFF
			CTRL EQUIPMENT/PROCESS MODIFICATION RANKING INFORMATION		

ASPHALT HEATER/THERMAL OXIDIZER (W/ BURNER)

15000.00 CFM (1000 F)

PROCESS CODE 90.004

SCC CODE

PM

CAS NO.

400.0000 G/MEGA G OF PRODUCT

0.0000

BACT-OTHER

0.000

- NOTES: 1. DETERMINATION IS FOR (1) UIP-15,000 ASPHALT HEATER/THERMAL OXIDIZER @ 15,000 CFM (1000 F) WITH A GORDON PLATT/PEABODY GAS/OIL 9.8 MMBH BURNER.
2. OPACITY REQUIREMENT WILL BE BASED ON THE OPACITY EMITTED DURING A SUCCESSFUL SOURCE TEST.
3. APPLICABLE CODES: 40 CFR 60, SUBPART UU, STANDARDS OF PERFORMANCE FOR ASPHALT PROCESSING AND ASPHALT ROOFING MANUFACTURING.
4. CONTINUOUS TEMPERATURE MONITORING OF THERMAL OXIDIZER REQUIRED.

COMPANY NAME/SITE LOCATION: VANWIERINGEN ENTERPRISES

20241 84TH AVENUE SOUTH

KENT, WA 98032-

COUNTY

DATE OF PERMIT ISSUANCE-- 12/11/90

ESTIMATED START-UP DATE-- 06/11/90

(206) 689-4066

(PHONE)

DATE OF PERMIT ISSUANCE-- 12/11/90

ESTIMATED START-UP DATE-- 06/11/90

(206) 689-4066

(PHONE)

DETERMINATION IS FOR A NEW SOURCE.

PERMIT NO. 3669

DETERMINATION MADE BY: PUGET SOUND AIR POLL CONTROL AGENCY, WA

CLAUDE WILLIAMS

(AGENCY CONTACT PERSON)

EPA ID NO.

AIRS ID NO. N/A

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT NAME	EMISSION LIMITS (PRIMARY) (STANDARDIZED)		BACT-OTHER
			CTRL EQUIPMENT/PROCESS MODIFICATION	RANKING INFORMATION	

SPRAY BOOTH, DRY FILTER - WOOD PANELING	7155.00 CFM				
PROCESS CODE 41.006		VOC	0.0000		BACT-OTHER
SCC CODE		CAS NO.	0.0000		0.000
			DRY FILTER		

- NOTES: 1. DETERMINATION IS FOR A WOOD PANELING SURFACE COATING SOURCE WITH
(1) 16'X26'X9' DRY FILTER SPRAY BOOTH @ 7155 CFM.
2. APPLICABLE CODE: REGULATION I, SECTION 9.16.
3. INSTALLATION SUBJECT TO REVISIONS CONTAINED IN VANWIERINGEN LETTER OF
12/29/90 TO PSAPCA.

BLIS ID No. WA-0244

DATE ENTERED/UPDATED: 06/22/93

COMPANY NAME/SITE LOCATION: WASHELLI CREMATORY & COLUMBAIUM
11111 AURORA AVENUE N
SEATTLE, WA 98133-8299

COUNTY

DETERMINATION IS FOR A NEW SOURCE.

PERMIT NO. 3674

DETERMINATION MADE BY: PUGET SOUND AIR POLL CONTROL AGENCY, WA
(AGENCY)

CLAUDE WILLIAMS
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 11/09/90
ESTIMATED START-UP DATE-- 04/01/90
(206) 689-4066
(PHONE)

AIRS ID NO. N/A

EPA ID NO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT NAME	EMISSION LIMITS (PRIMARY (STANDARDIZED))		BASIS EST % EFF
			CTRL EQUIPMENT/PROCESS MODIFICATION RANKING INFORMATION		

CREMATORY

450.00 LB/HR

PROCESS CODE 29.004

SCC CODE

PM

CAS NO.

20.0000 % OPACITY, 3 MIN/HR

0.0000

BACT-OTHER

0.000

NOTES: 1. DETERMINATION IS FOR A CREMATORY WITH: (1) JONES/EVANS 3-CHAMBER

DOWNPASS CREMATORY MODEL JN-1 WITH PRIMARY AND SECONDARY 150 MBH GAS
BURNERS.

2. CREMATORY SHALL ONLY BE OPERATED BETWEEN 0800 AND 1700 HOURS.

REPORT DATE: 07/27/93

DETAILED SOURCE LISTING (Part A)

BLIS ID No. WA-0245

PAGE H- 694

DATE ENTERED/UPDATED: 06/22/93

COMPANY NAME/SITE LOCATION: WOODWORTH & CO., INC. (FREDERICKSON)
38TH AVE E-1/4 MI S OF 192NDST
FREDERICKSON, WA 98387-

COUNTY

DETERMINATION IS FOR A NEW SOURCE.

PERMIT NO. 3678

DETERMINATION MADE BY: PUGET SOUND AIR POLL CONTROL AGENCY, WA
(AGENCY)

CLAUDE WILLIAMS
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 11/27/90
ESTIMATED START-UP DATE-- 05/27/91
(206) 689-4066
(PHONE)

AIRS ID NO.

EPA ID NO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT NAME	EMISSION LIMITS (PRIMARY) (STANDARDIZED)	
			CTRL EQUIPMENT/PROCESS MODIFICATION RANKING INFORMATION	BASIS EST % EFF

CRUSHING PLANT, ROCK/CRUSHERS & SCREENS

450.00 TPH

PROCESS CODE 90.024

SCC CODE

PM

CAS NO.

0.0000

0.0000

NSPS

0.000

WATER SPRAYS

NOTES: 1. DETERMINATION IS FOR A STONE QUARRYING, SAND & GRAVEL PROCESSING SOURCE
WITH: (1) 450 TPH CONSTRUCTION EQUIPMENT CO. CRUSHING PLANT WITH (1) JAW
CRUSHER, (2) CONE CRUSHERS, (1) ROTARY IMPACT CRUSHER, AND SHAKER
SCREENS. WATER SPRAYS ON ALL BELT TRANSFER POINTS, ALL CRUSHER INLETS
AND OUTLETS, AND ON ALL SHAKER SCREENS.

2. APPLICABLE CODE: 40 CFR 60, SUBPART 000

REPORT DATE: 07/27/93

DETAILED SOURCE LISTING (Part A)

PAGE H- 695

BLIS ID No. WA-0246

DATE ENTERED/UPDATED: 06/22/93

COMPANY NAME/SITE LOCATION: DUSTCOATING, INC/EMR @ BOEING COMMERCIAL AIRPLANES

3003 W CASINO ROAD

EVERETT, WA 98203-

COUNTY

DETERMINATION IS FOR A NEW SOURCE.

PERMIT NO. 3684

DETERMINATION MADE BY: PUGET SOUND AIR POLL CONTROL AGENCY, WA

(AGENCY)

CLAUDE WILLIAMS

(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 03/06/91

ESTIMATED START-UP DATE-- 09/09/91

(206) 689-4066

(PHONE)

AIRS ID NO.

EPA ID NO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT NAME	EMISSION LIMITS (PRIMARY) (STANDARDIZED)	
			CTRL EQUIPMENT/PROCESS MODIFICATION RANKING INFORMATION	BASIS EST % EFF

SOIL TREATMET, PETROLEUM CONTAMINATED

25.00 TPH

PROCESS CODE 22.006

SCC CODE

VOC

CAS NO.

0.0000

0.0000

BACT-OTHER

0.000

A. BAGHOUSE; B. THERMAL OXIDIZER

PM

CAS NO.

10.0000 % OPACITY, 3 MIN/HR

0.0000

BACT-OTHER

0.000

NOTES: 1. DETERMINATION IS FOR THE INCINERATION OF PETROLEUM CONTAMINATED

SOIL USING: (1) 25 TPH GENCO THERMAL DESORBER WITH A 25 MMBH BURNER @ 12,000 CFM (350 F), CONTROLLED BY A GENCO 232 BAGHOUSE AND A GENCO THERMAL OXIDIZER WITH A 12 MMBH BURNER @ 33,627 CFM (1400 F) TO TREAT PETROLEUM CONTAMINATED SOILS (PCS).

2. FACILITY CAN ONLY PROCESS PCS < 3% PETROLEUM HYDROCARBON BY WEIGHT AND WILL CONTINUOUSLY MONITOR THE THERMAL OXIDIZER TEMPERATURE.

THIS TEMPERATURE MUST BE MAINTAINED ABOVE 1400 F DURING OPERATION.

3. THIS UNIT SHALL BE TESTED FOR PARTICULATE MATTER AND VOC.

4. APPLICABLE CODE: REGULATION I, ARTICLE 12 FOR OPACITY CEM.

COMPANY NAME/SITE LOCATION: U.S. NAVY (NAVAL UNDERSEA WARFARE ENG)
HIGHWAY 308
KEYPORT, WA 98345-0580
COUNTY

DETERMINATION IS FOR A NEW SOURCE.
PERMIT NO. NC3700
DETERMINATION MADE BY: PUGET SOUND AIR POLL CONTROL AGENCY, WA
(AGENCY)
CLAUDE WILLIAMS
(AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 12/27/90
ESTIMATED START-UP DATE-- / /
(206) 689-4066
(PHONE)

AIRS ID NO. 035-00001
EPA ID NO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT NAME	EMISSION LIMITS (PRIMARY) (STANDARDIZED) CTRL EQUIPMENT/PROCESS MODIFICATION RANKING INFORMATION	BASIS EST % EFF
PLATING TANKS, EXHAUST SYSTEM #1 (HCN)	0.00			
PROCESS CODE 99.013 SCC CODE		NONE IDENTIFIED CAS NO.	0.0000 0.0000 SCRUBBER @ 7730 CFM	0.000 0.000
PLATING TANKS, EXHAUST SYSTEM #2 (HCL)	0.00			
PROCESS CODE 99.013 SCC CODE		NONE IDENTIFIED CAS NO.	0.0000 0.0000 FUME SCRUBBER @ 9230 CFM	0.000 0.000
PLATING TANKS, EXHAUST SYSTEM #3 (HEX. CHROMATES)	0.00			
PROCESS CODE 99.013 SCC CODE		CRVI CAS NO.	0.0060 MG/AMP HR 0.0000 HEXAVALENT CHROME SCRUBBER @ 25,550	BACT 99.990

GENERAL PLATING, EXHAUST SYSTEM #5

0.00

PROCESS CODE 99.013

SCC CODE

NONE IDENTIFIED
CAS NO.

0.0000
0.0000
FUME SCRUBBER

0.000

NOTES: 1. DETERMINATION COVERS EQUIPMENT IN BLDG. 72 - GENERAL PLATING BAY:
EXHAUST SYSTEM (ES) #1 (HCN) - TANKS # 5,6,7,13,& 14 CONTROLLED BY A
MAPCO MW-300 SCRUBBER @ 7730 CFM; ES #2 (HCL) - TANKS #1,3,17, & 18
CONTROLLED BY A MAPCO MW-300 FUME SCRUBBER @ 9230 CFM; ES#3 (HEXAVALENT
CHROMATES) - TANKS #11,20,21,23,32,34,43A,46, & 49 CONTROLLED BY A
MAPCO ENFORCER III HEXAVALENT CHROME SCRUBBER @ 25,550 CFM; AND ES #5
(GENERAL PLATING BAY) - TANKS #16,25,26,28,30,31,36,38,40A,40B,41,& 44
CONTROLLED BY A MAPCO MW-300 FUME SCRUBBER @ 23,675 CFM.

BLIS ID No. WA-0248

DATE ENTERED/UPDATED: 06/23/93

COMPANY NAME/SITE LOCATION: WESTERN ASPHALT INC. (S&S-S&G PIT)

22901 SE 230TH PL

MAPLE VALLEY, WA 98038-

COUNTY

DETERMINATION IS FOR A NEW SOURCE.

PERMIT NO. 3708

DETERMINATION MADE BY: PUGET SOUND AIR POLL CONTROL AGENCY, WA
(AGENCY)

CLAUDE WILLIAMS

(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 12/27/90

ESTIMATED START-UP DATE-- 04/01/91

(206) 689-4066

(PHONE)

AIRS ID NO.

EPA ID NO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT NAME	EMISSION LIMITS (PRIMARY) (STANDARDIZED)		BASIS EST % EFF
			CTRL EQUIPMENT/PROCESS MODIFICATION RANKING INFORMATION		

ASPHALT BATCHING PLANT (W/ GAS/DIESEL OIL BURNER) 300.00 TPH

PROCESS CODE 90.004

SCC CODE

VOC

CAS NO.

0.0000

0.0000

BACT-OTHER

0.000

BAGHOUSE (W/ KO BOX) @ 64,844 CFM

PM10

CAS NO.

0.0000

0.0000

BACT-OTHER

99.000

BAGHOUSE (W/ KO BOX) @ 64,844 CFM

NOTES: 1. DETERMINATION IS FOR (1) 300 TPH CEDARRAPIDS G60C ASPHALT BATCH PLANT

WITH A HAUCK SJP-580 GAS/DIESEL OIL-FIRED BURNER @ 116 MMBH, (2) 100

TON SILOS (WITH SCAVENGER TO BURNER), CONTROLLED BY A DUSTY DUSTLESS

JA-11552-0 BAGHOUSE (WITH KO BOX) @ 64,844 CFM.

2. FACILITY SHALL INSTALL & MAINTAIN AN ADEQUATE SCAVENGER DUCT FROM ITS

CONVEYOR AND ASPHALT STORAGE SILOS TO THE BURNER IN THE ASPHALT DRYER.

3. APPLICABLE CODE: 40 CFR 60, SUBPART 1

REPORT DATE: 07/27/93

DETAILED SOURCE LISTING (Part A)
BLIS ID No. WA-0249

PAGE H- 700
DATE ENTERED/UPDATED: 06/23/93

COMPANY NAME/SITE LOCATION: BLEITZ FUNERAL HOME INC.
316 FLORENTIA ST
SEATTLE, WA 98109-1799

COUNTY

DETERMINATION IS FOR A MODIFIED SOURCE.

PERMIT NO. 3717

DETERMINATION MADE BY: PUGET SOUND AIR POLL CONTROL AGENCY, WA
(AGENCY)

CLAUDE WILLIAMS
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 12/27/90
ESTIMATED START-UP DATE-- 12/03/90
(206) 689-4066
(PHONE)

AIRS ID NO.

EPA ID NO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT NAME	EMISSION LIMITS (PRIMARY) (STANDARDIZED)	CTRL EQUIPMENT/PROCESS MODIFICATION RANKING INFORMATION	BASIS EST % EFF
----------------------------------	------------------------	----------------	---	--	--------------------

CREMATORY OPERATIONS

1.00 BATCH/3 HRS

PROCESS CODE 29.004

SCC CODE

PM10

CAS NO.

20.0000 % OPACITY

0.0000

BACT-OTHER

0.000

SMOKE ALARMS (2)

NOTES: 1. DETERMINATION IS FOR A CREMATORY WITH (2) HEAT-TIMER MODEL MLS-A SMOKE

ALARMS EACH TO MONITOR SMOKE FROM A CREMATORY STACK.

2. FACILITY MAY OPERATE 1 OR MORE CREMATORY DURING NON-DAYLIGHT HOURS AFTER

THE EFFECTIVENESS OF ITS OPERATION IS DEMONSTRATED. PSAPCA MAY REVOKE

THIS APPROVAL AT ANY TIME FOR CAUSE.

3. THERE SHALL BE NO ODOR.

REPORT DATE: 07/27/93

DETAILED SOURCE LISTING (Part A)

PAGE H- 701

BLIS ID No. WA-0250

DATE ENTERED/UPDATED: 12/03/92

COMPANY NAME/SITE LOCATION: BOEING COMMERCIAL AIRPLANE (EVERETT)

3003 W CASINO ROAD

EVERETT, WA 98201-

COUNTY

DETERMINATION IS FOR A NEW SOURCE.

PERMIT NO. 3763

DETERMINATION MADE BY: PUGET SOUND AIR POLL CONTROL AGENCY, WA

(AGENCY)

CLAUDE WILLIAMS

(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 05/29/91

ESTIMATED START-UP DATE-- / /

(206) 689-4066

(PHONE)

AIRS ID NO. 061-00039

EPA ID NO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT NAME	EMISSION LIMITS (PRIMARY) (STANDARDIZED)		BASIS EST % EFF
			CTRL EQUIPMENT/PROCESS MODIFICATION RANKING INFORMATION		

PAINT HANGAR-SURFACE COATING

0.00

PROCESS CODE 41.001

SCC CODE

VOC

CAS NO.

0.0000

0.0000

BACT-OTHER

0.000

(8) 50,000 CFM FANS; TWO-STAGE DRY FILTE *

NOTES: 1. DETERMINATION IS FOR (1) BLDG 45-04 DOWNDRAFT PAINT HANGAR WITH (8)

50,000 CFM FANS (400,000 CFM TOTAL) AND A TWO-STAGE DRY FILTER.

2. BOEING SHALL PROVIDE 156 TYP OF VOC EMISSION OFFSET AS REQUIRED BY THE

PSD PERMIT FOR THIS PAINT HANGAR AND SUBMIT RECORDS TO DEMONSTRATE

COMPLIANCE WITH THIS CONDITION.

3. THERE ARE VOC LIMITS FOR VARIOUS PAINT TYPES.

COMPANY NAME/SITE LOCATION: TACOMA-PIERCE COUNTY HUMANE SOCIETY

2608 S CENTER ST

TACOMA, WA 98409-7694

COUNTY

DATE OF PERMIT ISSUANCE-- 02/20/91

ESTIMATED START-UP DATE-- / /

(206) 689-4066

(PHONE)

DETERMINATION IS FOR A NEW SOURCE.

PERMIT NO. 3764

DETERMINATION MADE BY: PUGET SOUND AIR POLL CONTROL AGENCY, WA

CLAUDE WILLIAMS

(AGENCY CONTACT PERSON)

AIRS ID NO.

EPA ID NO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT NAME	EMISSION LIMITS (PRIMARY) (STANDARDIZED)		BASIS EST % EFF
			CTRL EQUIPMENT/PROCESS MODIFICATION RANKING INFORMATION		

CREMATORY	150.00 LB/HR				
PROCESS CODE 29.004		PM10	20.0000 % OPACITY		BACT-OTHER
SCC CODE		CAS NO.	0.0000		0.000

NOTES: 1. APPROVAL TO BURN DURING NON-DAYLIGHT HOURS IN THE PATHOLOGICAL INCINERATOR APPROVED UNDER NC 2887, FOLLOWING ITS OPERATION & MAINTENANCE (O & M) PLAN. PSAPCA MAY REVOKE THIS APPROVAL AT ANY TIME FOR CAUSE.

REPORT DATE: 07/27/93

DETAILED SOURCE LISTING (Part A)

PAGE H- 703

BLIS ID No. WA-0252

DATE ENTERED/UPDATED: 06/22/93

COMPANY NAME/SITE LOCATION: HEATH TECNA AEROSPACE CO (PLT 6&6A)

7650/7837 S 196TH ST

KENT, WA 98032-

COUNTY

DETERMINATION IS FOR A NEW SOURCE.

PERMIT NO. 3769

DETERMINATION MADE BY: PUGET SOUND AIR POLL CONTROL AGENCY, WA
(AGENCY)

CLAUDE WILLIAMS
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 03/14/91
ESTIMATED START-UP DATE-- 04/15/91
(206) 689-4066
(PHONE)

AIRS ID NO. 033-00194

EPA ID NO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT NAME	EMISSION LIMITS (PRIMARY) (STANDARDIZED)	CTRL EQUIPMENT/PROCESS MODIFICATION RANKING INFORMATION	BASIS EST % EFF
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SPRAY BOOTH, ADHESIVE

0.00

PROCESS CODE 41.001

SCC CODE

METHYLENE CHLORIDE

CAS NO. 75-09-2

2.0000 MG/M3, AT FENCE LINE

0.0000

BACT-OTHER

90.000

CARBON ADSORBER @ 12,000 CFM

NOTES: 1. DETERMINATION IS FOR (1) BLEEKER ADHESIVE SPRAY BOOTH, METHYLENE

CHLORIDE EMISSIONS CONTROLLED BY A UNISORB HBS 238-S-S CARBON ADSORBER
@ 12,000 CFM, IN PLANT 6A, ZONE 2. REFERENCE NC3594.

2. FACILITY MAY OPERATE THIS BOOTH USING METHYLENE CHLORIDE CONTAINING
COMPOUNDS UNDER THIS PERMIT (NC 3769) PROVIDED THAT IT DEVELOPS AND
IMPLEMENTS A PSAPCA APPROVED OPERATION & MAINTENANCE (O&M) PLAN FOR THE
CONTROL SYSTEM.

REPORT DATE: 07/27/93

DETAILED SOURCE LISTING (Part A)

PAGE H- 704

BLIS ID No. WA-0253

DATE ENTERED/UPDATED: 06/22/93

COMPANY NAME/SITE LOCATION: CELLO BAG CO., INC
17100 W VALLEY HWY
TUKWILA, WA 98188-

COUNTY

DETERMINATION IS FOR A NEW SOURCE.

PERMIT NO. 3779

DETERMINATION MADE BY: PUGET SOUND AIR POLL CONTROL AGENCY, WA
(AGENCY)

CLAUDE WILLIAMS
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 02/26/91
ESTIMATED START-UP DATE-- / /
(206) 689-4066
(PHONE)

AIRS ID NO. 033-00139

EPA ID NO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT NAME	EMISSION LIMITS (PRIMARY) (STANDARDIZED)		
			CTRL EQUIPMENT/PROCESS MODIFICATION RANKING INFORMATION	BASIS EST % EFF	

PRINTING PRESS, FLEXOGRAPHIC

30000.00 FT/HR

PROCESS CODE 41.021

SCC CODE

VOC

CAS NO.

0.0000

0.0000

BACT-OTHER

90.000

THERMAL INCINERATOR/GAS BURNER

NOTES: 1. DETERMINATION IS FOR GRAPHIC ARTS FLEXOGRAPHY WITH: (1) CMF MIRAGE SIX-COLOR FLEXO-PRINTING PRESS (@ 30,000 FT/HR) WITH AN 800 MBH GAS-DRYER, CONTROLLED BY A BROWN ENG. MODEL AB 1003 THERMAL INCINERATOR @ 2400 MBH GAS BURNER @ 8000 CFM (1200 F). THIS PRESS WILL REPLACE OLDEST PRESS.
2. FACILITY SHALL CONDUCT A SOURCE TEST TO DEMONSTRATE THIS PRESS CAN OPERATE WITH A MINIMUM 90% CONTROL OF VOC EMISSIONS UNDER ALL NORMAL OPERATING CONDITIONS. THE FACILITY SHALL CONDUCT THIS SOURCE TEST WITHIN 60 DAYS OF STARTUP AND ANNUALLY THEREAFTER.

REPORT DATE: 07/27/93

DETAILED SOURCE LISTING (Part A)

PAGE H- 705

BLIS ID No. WA-0254

DATE ENTERED/UPDATED: 06/23/93

COMPANY NAME/SITE LOCATION: SOIL PROCESSING INC
7517 PORTLAND AVENUE
TACOMA, WA 98404-

COUNTY

DETERMINATION IS FOR A NEW SOURCE.

PERMIT NO. 3781

DETERMINATION MADE BY: PUGET SOUND AIR POLL CONTROL AGENCY, WA
(AGENCY) CLAUDE WILLIAMS
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 05/07/91
ESTIMATED START-UP DATE-- / /
(206) 689-4066
(PHONE)

AIRS ID NO.

EPA ID NO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT NAME	EMISSION LIMITS (PRIMARY) (STANDARDIZED)	CTRL EQUIPMENT/PROCESS MODIFICATION RANKING INFORMATION	BASIS EST % EFF
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SOIL REMEDIATION UNIT, THERMAL

10.00 TPH

PROCESS CODE 22.006
SCC CODE

PM10
CAS NO.

0.0200 GR/DSCF
0.0000
AFTERBURNER/SCRUBBER/POWERCLONE SEPARATO *

BACT-OTHER
0.000

VE
CAS NO.

10.0000 % OPACITY, 3 MIN/HR
0.0000
AFTERBURNER/SCRUBBER/POWERCLONE SEPARATO *

BACT-OTHER
0.000

- NOTES: 1. DETERMINATION IS FOR (1) SOIL/TEK MOBILE THERMAL SOIL REMEDIATION UNIT @ 6-10 TPH WITH A SOIL/TEK I AFTERBURNER (44 GPH PROPANE-FIRED BURNER), A 4 GPM QUENCH CHAMBER/SCRUBBER, AND A PROGRESSIVE DEVELOPMENT INC (PDI) PCS-22 POWERCLONE SEPARATOR @ 5000 CFM.
2. FACILITY SHALL ONLY PROCESS PCS WHICH IS < 3% PETROLEUM HYDROCARBON BY WEIGHT AND SHALL MONITOR THE THERMAL OXIDIZER TEMPERATURE CONTINUOUSLY WHICH SHOULD BE MAINTAINED ABOVE 1400 F DURING OPERATION.
3. FACILITY SHALL TEST THIS UNIT FOR PARTICULATE MATTER AND VOC.
4. APPLICABLE CODE: REGULATION I, ARTICLE 12 (CONCERNING OPACITY CEM)

REPORT DATE: 07/27/93

DETAILED SOURCE LISTING (Part A)

PAGE H- 706

BLIS ID No. WA-0255

DATE ENTERED/UPDATED: 06/22/93

COMPANY NAME/SITE LOCATION: UNIVERSITY OF WASHINGTON/PLANT OPERATIONS

BLDG FG-10

SEATTLE, WA 98195-

COUNTY

DETERMINATION IS FOR A NEW SOURCE.

PERMIT NO. 3784

DETERMINATION MADE BY: PUGET SOUND AIR POLL CONTROL AGENCY, WA
(AGENCY)

CLAUDE WILLIAMS
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 05/01/91
ESTIMATED START-UP DATE-- / /
(206) 689-4066
(PHONE)

AIRS ID NO. 033-00023

EPA ID NO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT NAME	EMISSION LIMITS (PRIMARY) (STANDARDIZED)		
			CTRL EQUIPMENT/PROCESS MODIFICATION RANKING INFORMATION	BASIS EST % EFF	

CENTRAL POWER PLANT

0.00

PROCESS CODE 11.004
SCC CODE

SO2
CAS NO. 7446-09-5

790.0000 TPY
0.0000

BACT-OTHER
0.000

BOILER NO. 4-NATURAL GAS

NOX REPORT AS NO2
CAS NO. 10102-44-0

498.0000 TPY
0.0000

BACT-OTHER
0.000

BOILER NO. 4-NATURAL GAS

200000.00 LB/HR STEAM

PROCESS CODE 11.005
SCC CODE

NOX
CAS NO.

0.1000 LB/MMBTU
0.1000 LB/MMBTU
LOW NOX GAS BURNER

BACT-OTHER
0.000

BOILER NO. 4-#2 DISTILLATE OIL	PROCESS CODE 11.006 SCC CODE	NOX CAS NO.	0.1300 LB/MMBTU	BACT-OTHER
			0.1300 LB/MMBTU LOW NOX BURNER	0.000
		NOX CAS NO.	0.2000 LB/MMBTU	BACT-OTHER
			0.2000 LB/MMBTU LOW NOX #2 OIL BURNER	0.000

NOTES: 1. DETERMINATION IS FOR THE UNIVERSITY'S CENTRAL POWER PLANT WITH: THE REPLACEMENT OF EXISTING BOILER NO. 4 WITH NEW NO. 4 BOILER @ 200,000 LB/HR STEAM, 241 MMBH, ZURN, "O" TYPE-2 DRUM OR EQUIVALENT, WITH ECONOMIZER AND COEN DAF (OR EQUIVALENT) LOW NOX GAS/#2 OIL BURNER, EXHAUSTED TO THE EXISTING STACK @ 45,378 CFM.

2. CONTINUOUS EMISSION MONITORING SYSTEMS (CEMS) FOR NOX, O2, & OPACITY.

3. APPLICABLE CODES: 40 CFR 60, SUBPART DB; FOR CEMS 40 CFR 60, APPENDIX B OR REGULATION I, ARTICLE 12 (WHICHEVER IS MOST STRINGENT)

4. PSAPCA WILL PERMIT THE INSTALLATION AND USE OF RENTAL BOILERS DURING CONSTRUCTION-SUBMIT REQUIRED INFO FOR TEMP PERMIT 30 DAYS BEFORE INSTALL

BLIS ID No. WA-0256

DATE ENTERED/UPDATED: 06/22/93

COMPANY NAME/SITE LOCATION: US OIL & REFINING CO (QUALITY ENVIRONMENTAL)

3001 MARSHALL AVE
TACOMA, WA 98421-

COUNTY

DETERMINATION IS FOR A NEW SOURCE.

PERMIT NO. 3791

DETERMINATION MADE BY: PUGET SOUND AIR POLL CONTROL AGENCY, WA
(AGENCY) CLAUDE WILLIAMS
(AGENCY CONTACT PERSON)DATE OF PERMIT ISSUANCE-- 02/27/91
ESTIMATED START-UP DATE-- / /
(206) 689-4066
(PHONE)

AIRS ID NO. 053-00022

EPA ID NO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT NAME	EMISSION LIMITS (PRIMARY) (STANDARDIZED)		BASIC EST % EFF
			CTRL EQUIPMENT/PROCESS MODIFICATION RANKING INFORMATION		

SOIL REMEDIATION DRYER

0.00

PROCESS CODE 22.006

SCC CODE

PM

CAS NO.

0.0200 GR/SCF

0.0000

BACT-OTHER

0.000

AFTERBURNER/SCRUBBER/POWERCLONE

VE

CAS NO.

10.0000 % OPACITY, 3 MIN/HR

0.0000

BACT-OTHER

0.000

AFTERBURNER/SCRUBBER/POWERCLONE

NOTES: 1. DETERMINATION IS FOR (1) SOIL/TEK 1 SOIL REMEDIATION ROTARY DRUM DRYER

WITH A 2500 MMBH PROPANE GAS-FIRED BURNER, A 2500 MMBH PROPANE GAS-FIRED
SOIL/TEK 1 AFTERBURNER, A SOIL/TEK 1 QUENCH CHAMBER SCRUBBER @ 5000 CFM,
AND A PCS-22 POWERCLONE @ 5000 CFM.

2. QUALITY ENVIRONMENTAL (QE) SHALL ONLY PROCESS PCS WHICH IS < 3%

PETROLEUM HYDROCARBON BY WEIGHT AND SHALL MONITOR THE THERMAL OXIDIZER
TEMPERATURE, WHICH MUST BE MAINTAINED ABOVE 1400 F DURING OPERATION.

3. APPLICABLE CODE: REGULATION I, ARTICLE 12 FOR OPACITY CEM.

4. TEST UNIT FOR PARTICULATE MATTER AND VOC.

REPORT DATE: 07/27/93

DETAILED SOURCE LISTING (Part A)

PAGE H- 709

BLIS ID No. WA-0257

DATE ENTERED/UPDATED: 06/22/93

COMPANY NAME/SITE LOCATION: BASSETT WESTERN INC
19819 67TH AVE NE
ARLINGTON, WA 98223-

COUNTY

DETERMINATION IS FOR A NEW SOURCE.

PERMIT NO. 3797

DETERMINATION MADE BY: PUGET SOUND AIR POLL CONTROL AGENCY, WA
(AGENCY)

CLAUDE WILLIAMS
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 04/30/91
ESTIMATED START-UP DATE-- / /
(206) 689-4066
(PHONE)

AIRS ID NO.

EPA ID NO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT NAME	EMISSION LIMITS (PRIMARY) (STANDARDIZED)		BASIS EST % EFF
			CTRL EQUIPMENT/PROCESS MODIFICATION RANKING INFORMATION		

COMPOSTING SYSTEM-SOLID WASTE DISPOSAL

50000.00 TPY

PROCESS CODE 29.999

SCC CODE

PM

CAS NO.

0.0000

0.0000

BACT-OTHER

0.000

ODOR

CAS NO.

0.0000

0.0000

BACT-OTHER

0.000

- NOTES: 1. DETERMINATION IS FOR (1) 50,000 TPY WINDROW COMPOSTING SYSTEM WITH A
75 HP GRINDER, 24' DISC SCREEN, AND 48' OF CONVEYOR, A COMPOST AREA WITH
12 WINDROWS OF 100' X 20', AND A FINAL SCREENING AREA MARK II POWER
SCREEN AND RADIAL STACKING CONVEYOR.
2. FACILITY SHALL NOT ACCEPT FOR COMPOSTING ANYTHING BUT YARD & GARDEN
WASTE CONSISTING OF GRASS CLIPPINGS, LEAVES, AND PRUNINGS.
3. FACILITY SHALL BEGIN PREPROCESSING PUTRESCIBLE YARD & GARDEN WASTE WITHIN
3 DAYS OF DELIVERY.

COMPANY NAME/SITE LOCATION: MOBILE RECLAIM, INC
1624 E "J" ST
TACOMA, WA 98421-

COUNTY

DETERMINATION IS FOR A NEW SOURCE.

PERMIT NO. 3802

DETERMINATION MADE BY: PUGET SOUND AIR POLL CONTROL AGENCY, WA
(AGENCY)CLAUDE WILLIAMS
(AGENCY CONTACT PERSON)DATE OF PERMIT ISSUANCE-- 03/11/91
ESTIMATED START-UP DATE-- / /
(206) 689-4066
(PHONE)

AIRS ID NO.

EPA ID NO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT NAME	EMISSION LIMITS (PRIMARY) (STANDARDIZED)		BACT-OTHER EST % EFF
			CTRL EQUIPMENT/PROCESS MODIFICATION RANKING INFORMATION	BASIS	

SOIL RECLAMATION UNIT

25.00 TPH

PROCESS CODE 22.006
SCC CODEPM
CAS NO.0.0200 GR/SCF
0.0000
PULSE AIR BAGHOUSE/AFTERBURNERBACT-OTHER
0.000VE
CAS NO.10.0000 % OPACITY
0.0000
PULSE AIR BAGHOUSE/AFTERBURNERBACT-OTHER
0.000

NOTES: 1. DETERMINATION IS FOR (1) 25 TPH MOBILE SOIL RECLAMATION UNIT (MSRU)

ROTARY KILN WITH 17 MMBH OIL-FIRED BURNER, CONTROLLED BY A PULSE AIR
BAGHOUSE @ 12,000 CFM (300 F) AND A HAUCK WRC #2 OIL-FIRED AFTERBURNER
@ 10.7 MMBH, EXHAUSTED @ 35,000 CFM (1400 F).

2. FACILITY SHALL ONLY PROCESS PCS WITH < 3% PETROLEUM HYDROCARBON BY
WEIGHT AND SHALL CONTINUOUSLY MONITOR THE THERMAL OXIDIZER TEMPERATURE
WHICH MUST BE MAINTAINED ABOVE 1400 F DURING OPERATION.

3. THIS UNIT SHALL BE TESTED FOR PARTICULATE MATTER AND VOC.

4. APPLICABLE CODE: REGULATION 1, ARTICLE 12 FOR OPACITY CEM.

REPORT DATE: 07/27/93

DETAILED SOURCE LISTING (Part A)

PAGE H- 711

BLIS ID No. WA-0259

DATE ENTERED/UPDATED: 07/02/93

COMPANY NAME/SITE LOCATION: CADMAN SAND & GRAVEL INC
26111 SE GREEN VALLEY ROAD
BLACK DIAMOND, WA 98010-

COUNTY

DETERMINATION IS FOR A NEW SOURCE.

PERMIT NO. 3828

DETERMINATION MADE BY: PUGET SOUND AIR POLL CONTROL AGENCY, WA
(AGENCY)

CLAUDE WILLIAMS
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 05/30/92
ESTIMATED START-UP DATE-- 05/01/91
(206) 689-4066
(PHONE)

AIRS ID NO.

EPA ID NO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT NAME	EMISSION LIMITS (PRIMARY) (STANDARDIZED)		BASIS EST & EFF
			CTRL EQUIPMENT/PROCESS MODIFICATION RANKING INFORMATION		

CONCRETE BATCH PLANT

140.00 CY/HR

PROCESS CODE 90.012
SCC CODE

PM
CAS NO.

0.0200 G/SCF
0.0000
BAGHOUSE

BACT-OTHER
0.000

BOILER, HOT WATER/CEMENT

0.00

PROCESS CODE 11.999
SCC CODE

PM
CAS NO.

0.0200 GR/SCF
0.0000
BAGHOUSE

BACT-OTHER
0.000

- NOTES: 1. DETERMINATION IS FOR PORTLAND CEMENT MANUFACTURING: (1) 140 CY/HR CONECO PORTABLE CONCRETE BATCH PLANT, A 112 TON CEMENT SILO #1 WITH BAGHOUSE, A 50 TON CEMENT/FLYASH SILO #2 WITH BAGHOUSE, AND A 50 HP HOT WATER/CEMENT BOILER. THIS IS PLANT #2, PLANT #1 WILL BE USED AS EMERGENCY BACKUP FOR #2.
2. FACILITY SHALL IMPLEMENT THE APPLICABLE REQUIREMENTS CONTAINED IN PSAPCA "FUGITIVE DUST CONTROL TECHNIQUES FOR ASPHALT AND CONCRETE BATCH PLANTS"
3. LIMIT FOR PARTICULATE MATTER - NO VISABLE EMISSIONS.

BLIS ID No. WA-0260

DATE ENTERED/UPDATED: 06/22/93

COMPANY NAME/SITE LOCATION: BOEING COMMERCIAL AIRPLANE CO (AUB)
700 15TH ST SW
AUBURN, WA 98002-

COUNTY

DETERMINATION IS FOR A NEW SOURCE.

PERMIT NO. NC3842

DETERMINATION MADE BY: PUGET SOUND AIR POLL CONTROL AGENCY, WA
(AGENCY)CLAUDE WILLIAMS
(AGENCY CONTACT PERSON)

AIRS ID NO. 033-00015

EPA ID NO.

DATE OF PERMIT ISSUANCE-- 05/07/91
ESTIMATED START-UP DATE-- / /
(206) 689-4066
(PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT NAME	EMISSION LIMITS (PRIMARY) (STANDARDIZED)		BASIC EST % EFF
			CTRL EQUIPMENT/PROCESS MODIFICATION RANKING INFORMATION		

FUME SCRUBBERS (6)

124200.00 CFM (SUM TOTAL ALL)

PROCESS CODE 41.999
SCC CODEPM
CAS NO.0.0200 GRAINS/SCF
0.0000
SIX (6) FUME SCRUBBERSBACT-OTHER
0.000

SCRUBBERS, CHROME (2)

18800.00 CFM (TOTAL OF BOTH)

PROCESS CODE 41.999
SCC CODECRVI
CAS NO.0.1500 MG/AMP-HR
0.0000
CHROME SCRUBBERS (2)

0.000

SPRAY BOOTHS (2) - AEROSPACE SURFACE COATING

20000.00 CFM

PROCESS CODE 41.001
SCC CODENOX
CAS NO.0.1000 LB/MMBTU
0.0000

0.000

REPORT DATE: 07/27/93

DETAILED SOURCE LISTING (Part A)

PAGE H- 714

BLIS ID No. WA-0260

DATE ENTERED/UPDATED: 06/22/93

PAINT CURE OVENS (2) - AEROSPACE SURFACE COATING	2110.00 CFM			
PROCESS CODE 41.001		NONE IDENTIFIED	0.0000	
SCC CODE		CAS NO.	0.0000	0.000
BOILER, GAS-FIRED HOT WATER (2)	0.00 SIZE IS FOR EACH			
PROCESS CODE 11.005		NONE IDENTIFIED	0.0000	
SCC CODE		CAS NO.	0.0000	0.000
CLEAN LINE, HARD METALS	0.00			
PROCESS CODE 41.999		NONE IDENTIFIED	0.0000	
SCC CODE		CAS NO.	0.0000	0.000
CLEAN LINE, DETAILS	0.00			
PROCESS CODE 41.999		NONE IDENTIFIED	0.0000	
SCC CODE		CAS NO.	0.0000	0.000
CLEAN LINE, ALUMINUM	0.00			
PROCESS CODE 41.999		NONE IDENTIFIED	0.0000	
SCC CODE		CAS NO.	0.0000	0.000

NOTES:

PERMIT FOR A) 6 HARRINGTON FUME SCRUBBERS -- FS-1 MOD. ECU 66SIB @ 15,900 CFM, FS-2 ECV 45-IB @ 8000 CFM, FS-3 ECV 912-5IB @ 50,000 CFM, FS-4 ECV 78-5IB @ 24,300 CFM, FS-5 ECV 56-5IB @ 13,500 CFM, AND FS-6 ECV 56-5IB @ 12500 CFM; B) 2 HARRINGTON CHROME SCRUBBERS -- CS-1 MOD. ECV 44-5IB @ 6300 CFM & CS-2 ECV 56-5IB @ 12,500 CFM; C) 2 BINKS CUSTOM SPRAY BOOTHS (20X12X10) @ 20,000 CFM; D) 2 DESPATCH CUSTOM PAINT CURE OVENS (14X6X8) @ 2100 CFM; AND E) 2 CLEAVER BROOKS CB-300-150 GAS-FIRED HOT WATER BOILERS @ 10040 MBH EACH ALL EQUIP. IN BLDG. 17-62, WELDED DUCT FACIL. HARD METALS CLEAN LINE: TANKS H3 & H5 TO FS-4; H8A TO FS-3; H13 & H15 TO FS-1. DETAILS CLEAN LINE: TANK D3 TO FS-5. AL CLEAN LINE: TANK A5 TO CS-1; A9 & A11 TO CS-2; A14 TO FS-6.

REPORT DATE: 07/27/93

DETAILED SOURCE LISTING (Part A)
BLIS ID No. WA-0261

PAGE H- 716
DATE ENTERED/UPDATED: 06/22/93

COMPANY NAME/SITE LOCATION: SEATTLE STEAM CORP (POST AVE)
633 POST AVE
SEATTLE, WA 98104-

COUNTY

DETERMINATION IS FOR A MODIFIED SOURCE.

PERMIT NO. NC3852

DETERMINATION MADE BY: PUGET SOUND AIR POLL CONTROL AGENCY, WA
(AGENCY)

CLAUDE WILLIAMS
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 04/16/91
ESTIMATED START-UP DATE-- 12/03/91
(206) 689-4066
(PHONE)

AIRS ID NO. 033-00048

EPA ID NO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT NAME	EMISSION LIMITS (PRIMARY) (STANDARDIZED)		BASIC EST % EFF
			CTRL EQUIPMENT/PROCESS MODIFICATION RANKING INFORMATION		

COMBUSTION, NATURAL GAS

0.00

PROCESS CODE 11.005

SCC CODE

NO2

CAS NO. 10102-44-0

0.2400 LB/MMBTU

0.2400 LB/MMBTU

BACT-OTHER

0.000

ADDITION OF GAS BURNER TO EXISTING BOILE *

NOTES: 1. PERMIT TO ADD ONE COEN DAZ 34 GAS BURNER AT 155 MMBH IN AN EXISTING CE
"D" BOILER TYPE 30 VP, SIZE 12W; BOILER WILL BURN GAS AS PRIME FUEL
AND RESIDUAL OIL AS BACKUP FUEL.

REPORT DATE: 07/27/93

DETAILED SOURCE LISTING (Part A)

PAGE H- 717

BLIS ID No. WA-0262

DATE ENTERED/UPDATED: 06/23/93

COMPANY NAME/SITE LOCATION: OBERTO SAUSAGE CO (AIRPORT WAY S)

2005 AIRPORT WAY S

SEATTLE, WA 98134-

COUNTY

DETERMINATION IS FOR A MODIFIED SOURCE.

PERMIT NO. NC3884

DETERMINATION MADE BY: PUGET SOUND AIR POLL CONTROL AGENCY, WA

(AGENCY)

CLAUDE WILLIAMS

(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 05/07/91

ESTIMATED START-UP DATE-- 01/10/92

(206) 689-4066

(PHONE)

AIRS ID NO.

EPA ID NO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT NAME	EMISSION LIMITS (PRIMARY) (STANDARDIZED)		BASIS EST & EFF
			CTRL EQUIPMENT/PROCESS MODIFICATION RANKING INFORMATION		

MEAT SMOKEHOUSE (WOOD BURNING)

0.00

PROCESS CODE 70.011

SCC CODE

PM10

CAS NO.

0.0200 GRAINS/SCF

0.0000

AIR SCRUBBER

BACT-OTHER

0.000

NOTES: 1. PERMIT FOR ONE ENVIRO-PAK AIR SCRUBBER AT 10,000 CFM (3000 CFM AVERAGE)
TO REPLACE AN AFTERBURNER IN CONTROLLING WOOD SMOKE.

REPORT DATE: 07/27/93

DETAILED SOURCE LISTING (Part A)

PAGE H- 718
DATE ENTERED/UPDATED: 06/23/93

BLIS ID No. WA-0263

COMPANY NAME/SITE LOCATION: SEATTLE HEMLOCK, INC
2732 WYMAN DRIVE
AUBURN, WA 98002-

COUNTY

DETERMINATION IS FOR A NEW SOURCE.

PERMIT NO. NC3885

DETERMINATION MADE BY: PUGET SOUND AIR POLL CONTROL AGENCY, WA
(AGENCY)

CLAUDE WILLIAMS
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 05/07/91
ESTIMATED START-UP DATE-- / /
(206) 689-4066
(PHONE)

AIRS ID NO.

EPA ID NO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT NAME	EMISSION LIMITS (PRIMARY) (STANDARDIZED)		BASIS EST & EFF
			CTRL EQUIPMENT/PROCESS MODIFICATION RANKING INFORMATION		

BOILER, WOOD-FIRED

0.00

PROCESS CODE 11.008

SCC CODE

PM10

CAS NO.

0.0200 GRAINS/SCF

0.0000

BACT-OTHER

0.000

A) MULTI-CLONE & B) BAGHOUSE

- NOTES: 1. PERMIT FOR ONE UNION IRON WORKS TYPE S' WOOD-FIRED BOILER AT 25 MMBH,
CONTROLLED BY A WELLONS MULTICLONE AND A MIKRO-PULSAIRE 1445-1
BAGHOUSE AT 4242 CFM. THE FURNACE USES THE WELLONS CYCLO-BLAST FIRING
SYSTEM.
2. CEM INSTALLED FOR OPACITY.

REPORT DATE: 07/27/93

DETAILED SOURCE LISTING (Part A)

PAGE H- 719

BLIS ID No. WA-0264

DATE ENTERED/UPDATED: 11/12/92

COMPANY NAME/SITE LOCATION: BOEING COMMERCIAL AIRPLANE (EVERETT)

3003 W CASINO ROAD

EVERETT, WA 98201-

COUNTY

DETERMINATION IS FOR A NEW SOURCE.

PERMIT NO. NC3892

DETERMINATION MADE BY: PUGET SOUND AIR POLL CONTROL AGENCY, WA

(AGENCY)

CLAUDE WILLIAMS

(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 07/11/91

ESTIMATED START-UP DATE-- / /

(206) 689-4066

(PHONE)

AIRS ID NO. 061-00039

EPA ID NO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT NAME	EMISSION LIMITS (PRIMARY) (STANDARDIZED)		BACT-OTHER
			CTRL EQUIPMENT/PROCESS MODIFICATION RANKING INFORMATION	BASIS EST % EFF	

CLEAN, SEAL, TEST, & PAINT FACILITY (AEROS. SURF.C 0.00

PROCESS CODE 41.001

SCC CODE

VOC

CAS NO.

0.0000

0.0000

BACT-OTHER

0.000

- NOTES: 1. PERMIT FOR BLDG 40-37 CLEAN, SEAL, TEST, AND PAINT (CST&P) FACILITY WITH 25 SPRAY BOOTHS OR ROOMS, AN OVEN, AND TWO SOLVENT CLEANING BENCHES ARE CONCEPTUALLY APPROVED, BASED ON THE INFORMATION AVAILABLE AT THE TIME OF THE PSD PERMIT SUBMITTAL.
2. BOEING MUST OBTAIN SPECIFIC NC PERMIT(S) FROM PSAPCA (NOT SUBJECT TO SEC. 6.08, REG. 1) FOR THE EQUIPMENT CONCEPTUALLY APPROVED UNDER THE PERMIT (NC3892); SUCH EQUIP. MUST EMPLOY BACT AS DETERMINED AT TIME OF THAT NC PERMIT REVIEW; MUST ALSO PROVIDE 110% OFFSETS OF 116.9 TPY VOC.
3. BOEING SHALL NOT PRESSURE TEST WITH AMMONIA MORE THAN TWO WINGS PER DAY (FROM PERMIT NC3892).

REPORT DATE: 07/27/93

DETAILED SOURCE LISTING (Part A)

BLIS ID No. WA-0265

PAGE H- 720
DATE ENTERED/UPDATED: 06/22/93

COMPANY NAME/SITE LOCATION: SOUND REFINING INC. (DIV. OF CRYSEN)

2628 MARINE VW DR
TACOMA, WA 98422-

COUNTY

DETERMINATION IS FOR A NEW SOURCE.

PERMIT NO. NC3893

DETERMINATION MADE BY: PUGET SOUND AIR POLL CONTROL AGENCY, WA
(AGENCY)

CLAUDE WILLIAMS
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 05/07/91
ESTIMATED START-UP DATE-- / /
(206) 689-4066
(PHONE)

AIRS ID NO. 053-00021

EPA ID NO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT NAME	EMISSION LIMITS (PRIMARY) (STANDARDIZED)	
			CTRL EQUIPMENT/PROCESS MODIFICATION RANKING INFORMATION	BASIS EST % EFF

BOILER

0.00

PROCESS CODE 11.004
SCC CODE

NOX (FROM NAT. GAS)
CAS NO.

0.1000 LB/MMBTU
0.1000 LB/MMBTU 0.000

NOX (FROM #2 OIL)
CAS NO.

0.2000 LB/MMBTU
0.2000 LB/MMBTU 0.000

- NOTES: 1. PERMIT FOR ONE CLEAVER-BROOKS CB 200-500-250 (OR EQUIVALENT) GAS/#2 OIL
FIRED BOILER AT 21 MMBH TO REPLACE EXISTING 35,000 LB/HR UNIT.
2. BOILER IS SUBJECT TO 40 CFR 60, SUBPART DC.
3. A CEM SYSTEM THAT MEETS THE REQUIREMENTS OF 40 CFR 60, APPENDIX B OR OF
ARTICLE 12 OF REGULATION I (PSAPCA), WHICHEVER IS MORE STRINGENT,
MUST BE INSTALLED.

REPORT DATE: 07/27/93

DETAILED SOURCE LISTING (Part A)
BLIS ID No. WA-0266

PAGE H- 721
DATE ENTERED/UPDATED: 06/22/93

COMPANY NAME/SITE LOCATION: BOEING COMMERCIAL AIRPLANE (SDC)

22001 S 142ND ST
SEATAC, WA 98118-

COUNTY

DETERMINATION IS FOR A NEW SOURCE.

PERMIT NO. NC3896

DETERMINATION MADE BY: PUGET SOUND AIR POLL CONTROL AGENCY, WA
(AGENCY)

CLAUDE WILLIAMS
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 05/16/91
ESTIMATED START-UP DATE-- / /
(206) 689-4066
(PHONE)

AIRS ID NO. 033-00053

EPA ID NO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT NAME	EMISSION LIMITS (PRIMARY) (STANDARDIZED)		Basis EST % EFF
			CTRL EQUIPMENT/PROCESS MODIFICATION RANKING INFORMATION		

BOILER, STEAM

0.00

PROCESS CODE 11.004
SCC CODE

NOX (FROM NAT. GAS)
CAS NO.

0.1000 LB/MMBTU
0.1000 LB/MMBTU
0.000

NOX (FROM #2 OIL)
CAS NO.

0.2000 LB/MMBTU
0.2000 LB/MMBTU
0.000

- NOTES: 1. PERMIT FOR ONE YORK SHIPLEY 576SPL 300N2 GAS/#2 OIL-FIRED STEAM BOILER
AT 10.04 MMBH.
2. BOILER IS SUBJECT TO THE REQUIREMENTS OF 40 CFR 60, SUBPART DC.
3. BOEING MUST INSTALL CEM SYSTEMS FOR NOX AND OXYGEN.
4. EACH CEM SYSTEM MUST MEET THE REQUIREMENTS OF 40 CFR 60, APPENDIX B OR
OF ARTICLE 12 OF REGULATION 1, WHICHEVER IS MORE STRINGENT.

REPORT DATE: 07/27/93

DETAILED SOURCE LISTING (Part A)
BLIS ID No. WA-0267

PAGE H- 722
DATE ENTERED/UPDATED: 06/22/93

COMPANY NAME/SITE LOCATION: US OIL & REFINING CO
3001 MARSHALL AVE.
TACOMA, WA 98421-

COUNTY

DETERMINATION IS FOR A NEW SOURCE.

PERMIT NO. NC3900

DETERMINATION MADE BY: PUGET SOUND AIR POLL CONTROL AGENCY, WA
(AGENCY)

CLAUDE WILLIAMS
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 05/28/91
ESTIMATED START-UP DATE-- / /
(206) 689-4066
(PHONE)

AIRS ID NO. 053-00022

EPA ID NO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT NAME	EMISSION LIMITS (PRIMARY) (STANDARDIZED)		
			CTRL EQUIPMENT/PROCESS MODIFICATION	BASIS	EST % EFF
			RANKING INFORMATION		

HEATER

10.80 MMBH

PROCESS CODE 11.005
SCC CODE

NO2
CAS NO. 10102-44-0

0.1000 LB/MMBTU PER HOUR
0.0000

BACT-OTHER
0.000

H2S
CAS NO. 7783-06-4

0.1000 GRAIN/DSCF PER HR
0.0000

BACT-OTHER
0.000

- NOTES: 1. PERMIT FOR ONE FUEL GAS-FIRED HEATER AT 10.8 MMBH TO REPLACE AN EXISTING FUEL OIL HYDROTREATING UNIT HEATER.
2. HEATER IS SUBJECT TO THE REQUIREMENTS OF 40 CFR 60, SUBPART J.
3. US OIL & REFINING MUST INSTALL THE FOLLOWING CEM SYSTEMS (PER THE PERMIT):
- FOR NOX WITH THE ATTENDANT MONITORING OF OXYGEN FROM THE NEW FUEL GAS HEATER (H-901);
 - FOR H2S IN THE FUEL GAS BURNED.
4. EACH CEM SYSTEM MUST MEET THE REQUIREMENTS OF 40 CFR 60, APPENDIX B OR ARTICLE 12 OF REGULATION I (PSAPCA), WHICHEVER IS MORE STRINGENT.

REPORT DATE: 07/27/93

DETAILED SOURCE LISTING (Part A)
BLIS ID No. WA-0268

PAGE H- 724
DATE ENTERED/UPDATED: 07/07/93

COMPANY NAME/SITE LOCATION: BOEING COMMERCIAL AIRPLANE - FREDERICKSON
6222 184TH ST E
PUYALLUP, WA 98373-

COUNTY

DETERMINATION IS FOR A NEW SOURCE.

PERMIT NO. NC3909

DETERMINATION MADE BY: PUGET SOUND AIR POLL CONTROL AGENCY, WA
(AGENCY) CLAUDE WILLIAMS
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 10/17/91
ESTIMATED START-UP DATE-- / /
(206) 689-4066
(PHONE)

AIRS ID NO.

EPA ID NO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT NAME	EMISSION LIMITS (PRIMARY) (STANDARDIZED)		BASIC EST % EFF
			CTRL EQUIPMENT/PROCESS MODIFICATION RANKING INFORMATION		

BOILERS (2)

0.00

PROCESS CODE 11.004

SCC CODE

NOX (FROM NAT.GAS)
CAS NO.

0.1000 LB/MMBTU
0.1000 LB/MMBTU

BACT-OTHER
0.000

NOX (FROM OIL)
CAS NO.

0.2000 LB/MMBTU
0.2000 LB/MMBTU

BACT-OTHER
0.000

PAINT BOOTH

241500.00 CFM

PROCESS CODE 41.001

SCC CODE

NONE IDENTIFIED
CAS NO.

0.0000
0.0000

0.000

DRY FILTERS

BLIS ID No. WA-0268

DATE ENTERED/UPDATED: 07/07/93

PAINT DRYER OVEN	5000.00 CFM			
PROCESS CODE 41.001		NONE IDENTIFIED	0.0000	
SCC CODE		CAS NO.	0.0000	0.000
DRYER, SLUDGE	0.00 TO BE DETERMINED			
PROCESS CODE 29.999		NONE IDENTIFIED	0.0000	
SCC CODE		CAS NO.	0.0000	0.000
		SCRUBBER		
ETCHER, TEA ALKALINE (ALUMINUM TANKLINE)	45000.00 CFM			
PROCESS CODE 49.999		NONE IDENTIFIED	0.0000	
SCC CODE		CAS NO.	0.0000	0.000
		EXHAUST FAN		
UTILITY HOLD	45000.00 CFM			
PROCESS CODE 99.999		NONE IDENTIFIED	0.0000	
SCC CODE		CAS NO.	0.0000	0.000
		EXHAUST FAN		
CHROME DEOXIDIZER	45000.00 CFM			
PROCESS CODE 41.999		CRVI	0.0060 MG/AMP-HR	
SCC CODE		CAS NO.	0.0000	0.000
		SCRUBBERS (2)		
PLATING, ANODIZING, CHROMIC ACID	46000.00 CFM			
PROCESS CODE 99.002		CRVI	0.0060 MG/AMP-HR	
SCC CODE		CAS NO.	0.0000	0.000
		CHROME SCRUBBERS (2)		

CHROME SEALER	66500.00 CFM			
PROCESS CODE 41.999		CRVI	0.0060 MG/AMP-HR	
SCC CODE		CAS NO.	0.0000	0.000
			EXHAUST FANS (2)	
ETCHING, OAKITE ALKALINE	29000.00 CFM			
PROCESS CODE 49.999		NONE IDENTIFIED	0.0000	
SCC CODE		CAS NO.	0.0000	0.000
			EXHAUST FAN	
OXIDIZER (ALDOX V)	29000.00 CFM			
PROCESS CODE 41.001		NONE IDENTIFIED	0.0000	
SCC CODE		CAS NO.	0.0000	0.000
			SCRUBBERS (2)	
COATING, PENETRANT APPLICATION	29000.00 CFM			
PROCESS CODE 41.001		NONE IDENTIFIED	0.0000	
SCC CODE		CAS NO.	0.0000	0.000
			EXHAUST FAN	
COATING, PENETRANT DEVELOPER	29000.00 CFM			
PROCESS CODE 41.001		NONE IDENTIFIED	0.0000	
SCC CODE		CAS NO.	0.0000	0.000
			BAGHOUSE	
PEENERS, SKIN (3)	41679.00 CFM (SUM TOTAL)			
PROCESS CODE 99.999		ALUMINUM DUST	0.0000	
SCC CODE		CAS NO.	0.0000	0.000
			BAGHOUSES (3)	

BLIS ID No. WA-0268

DATE ENTERED/UPDATED: 07/07/93

PEENER, EDGE	5000.00 CFM			
PROCESS CODE 99.999		STEEL, ALUMINUM DUST	0.0000	
SCC CODE		CAS NO.	0.0000	0.000
		1 BAGHOUSE, 1 CYCLONE		
BLASTERS, SPRING (2)	14100.00 CFM (TOTAL OF BOTH)			
PROCESS CODE 41.001		ALUMINUM DUST	0.0000	
SCC CODE		CAS NO.	0.0000	0.000
		BAGHOUSES (2)		
COLLECTORS, SPAR MILL CHIP (11)	13800.00 CFM			
PROCESS CODE 99.999		ALUMINUM DUST	0.0000	
SCC CODE		CAS NO.	0.0000	0.000
		11 BAGHOUSES, 11 CYCLONES		
COLLECTORS, SKIN MILL CHIP (6)	17000.00 CFM (SUM TOTAL)			
PROCESS CODE 99.999		ALUMINUM DUST	0.0000	
SCC CODE		CAS NO.	0.0000	0.000
		6 BAGHOUSES, 6 CYCLONES		
COLLECTORS, DUST, DRILL ROUTER (4)	8000.00 CFM (SUM TOTAL)			
PROCESS CODE 99.999		ALUMINUM DUST	0.0000	
SCC CODE		CAS NO.	0.0000	0.000
		4 BAGHOUSES, 4 CYCLONES		
COLLECTORS, DUST, PULL THROUGH ROUTER	5000.00 CFM			
PROCESS CODE 99.999		ALUMINUM DUST	0.0000	
SCC CODE		CAS NO.	0.0000	0.000
		1 BAGHOUSE, 1 CYCLONE		

COLLECTORS, DUST, PNEUMATIC (2)		16800.00 CFM (SUM TOTAL)		
PROCESS CODE 99.999	ALUMINUM DUST	0.0000	0.0000	
SCC CODE	CAS NO.	0.0000	0.0000	0.000
			2 BAGHOUSES, 2 CYCLONES	
MATL TRANSFER/HAND, BIN FILLERS, BRIQUETTER		8400.00 CFM (SUM TOTAL)		
PROCESS CODE 99.999	ALUMINUM DUST	0.0000	0.0000	0.000
SCC CODE	CAS NO.	0.0000	0.0000	0.000
			3 BAGHOUSES	
COLLECTORS, DUST, FLOOR SWEEP (7)		8400.00 CFM (SUM TOTAL)		
PROCESS CODE 99.999	ALUMINUM DUST	0.0000	0.0000	0.000
SCC CODE	CAS NO.	0.0000	0.0000	0.000
			7 BAGHOUSES, 7 CYCLONES	

- NOTES: 1. PERMIT IS FOR EQUIPMENT IN SKIN & SPAR BLDG: TWO BOILERS (27 MMBH), ONE SPRAY BOOTH, ONE PAINT CURING OVEN, SEVEN SCRUBBERS ON THREE TANKS AND ONE SLUDGE DRYER, 32 CYCLONES AND 40 BAGHOUSES ON ALUMINUM MILLING, SHOT PEENING AND BLASTING OPERATIONS, AND ONE BAGHOUSE ON THE PENETRANT DEVELOPER TANK.
2. BOILER IS SUBJECT TO 40 CFR 60, SUBPART DC.
3. A CEM SYSTEM FOR NOX MUST BE INSTALLED. THIS CEM SYSTEM MUST MEET THE REQUIREMENTS OF 40 CFR 60, APPENDIX B OR OF ARTICLE 12 OF REGULATION I (PSAPCA), WHICHEVER IS MORE STRINGENT.

BLIS ID No. WA-0269

DATE ENTERED/UPDATED: 06/22/93

COMPANY NAME/SITE LOCATION: BOEING COMMERCIAL AIRPLANE (EVERETT)

3003 W CASINO RD
EVERETT, WA 98201-

COUNTY

DETERMINATION IS FOR A NEW SOURCE.

PERMIT NO. NC3913

DETERMINATION MADE BY: PUGET SOUND AIR POLL CONTROL AGENCY, WA
(AGENCY) CLAUDE WILLIAMS
(AGENCY CONTACT PERSON)DATE OF PERMIT ISSUANCE-- 07/10/91
ESTIMATED START-UP DATE-- / /
(206) 689-4066
(PHONE)

AIRS ID NO. 061-00039

EPA ID NO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT NAME	EMISSION LIMITS (PRIMARY) (STANDARDIZED)	CTRL EQUIPMENT/PROCESS MODIFICATION RANKING INFORMATION	BASIS EST % EFF
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VENTILATION SYSTEM (FOR CORROSION INHIBITOR TANK) 20000.00 CFM

PROCESS CODE 41.001

SCC CODE

VOC

CAS NO.

40.0000 TPY

0.0000

BACT-OTHER

30.000

FILTERS

- NOTES: 1. PERMIT FOR EQUIPMENT IN BLDG 40-24, COL I-8/9: A CORROSION INHIBITOR
COMPOUND VENTILATION SYSTEM WITH AIR FILTERS (COLUMBIA SUPRA II/FARR
30/30) AT 20,000 CFM; SYSTEM NAME ~ 767 J & I, BS 41-43, HS.
2. BCAG-EVERETT CAN NOT EMIT 40 OR MORE TPY OF VOC FROM ITS CIC
APPLICATION TO 747 AND 767 AIRCRAFT (REF. NC3913/3927).

REPORT DATE: 07/27/93

DETAILED SOURCE LISTING (Part A)
BLIS ID No. WA-0270

PAGE H- 730
DATE ENTERED/UPDATED: 06/23/93

COMPANY NAME/SITE LOCATION: PEMCO (AT COMMUNITY TRANSIT)

8905 AIRPORT RD
EVERETT, WA 98204-

COUNTY

DETERMINATION IS FOR A NEW SOURCE.

PERMIT NO. NC3930

DETERMINATION MADE BY: PUGET SOUND AIR POLL CONTROL AGENCY, WA
(AGENCY)

CLAUDE WILLIAMS
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 06/14/91
ESTIMATED START-UP DATE-- 09/15/91
(206) 689-4066
(PHONE)

AIRS ID NO.

EPA ID NO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT NAME	EMISSION LIMITS (PRIMARY) (STANDARDIZED)		
			CTRL EQUIPMENT/PROCESS MODIFICATION RANKING INFORMATION	BASIS	EST % EFF

SOIL REMEDIATION

25.00 TPH

PROCESS CODE 22.006
SCC CODE

VOC
CAS NO.

0.0000
0.0000
REVERSE AIR BAGHOUSE, DIESEL OIL-FIRED A *

BACT-OTHER
0.000

PM10
CAS NO.

0.0200 GRAIN/SCF
0.0000
REVERSE AIR BAGHOUSE, DIESEL OIL-FIRED A *

BACT-OTHER
0.000

- NOTES: 1. PERMIT FOR ONE 25 TPH MOBILE SOIL REMEDIATION UNIT AT 25 MBH AND 10,000 CFM (350F), CONTROLLED BY A REVERSE AIR BAGHOUSE AT 10,000 CFM AND A DIESEL OIL-FIRED AFTERBURNER AT 22 MBH.
2. PEMPCO MAY ONLY PROCESS PCS WHICH IS LESS THAN 3% PETROLEUM HYDROCARBON BY WEIGHT AND SHALL MONITOR THE TEMPERATURE IN THE THERMAL OXIDIZER CONTINUOUSLY; THIS TEMPERATURE MUST BE MAINTAINED ABOVE 1400F DURING OPERATIONS.
3. REQUIREMENTS OF ARTICLE 12 OF REGULATION I (PSAPCA) FOR OPACITY CEM MUST BE MET.

REPORT DATE: 07/27/93

DETAILED SOURCE LISTING (Part A)

PAGE H- 731

BLIS ID No. WA-0271

DATE ENTERED/UPDATED: 07/02/93

COMPANY NAME/SITE LOCATION: CENTRAL PRE-MIX/LONE STAR NW (METRO)

METRO-WEST PT, 1400 UTAH ST W

SEATTLE, WA 98199-

COUNTY

DETERMINATION IS FOR A NEW SOURCE.

PERMIT NO. NC3941

DETERMINATION MADE BY: PUGET SOUND AIR POLL CONTROL AGENCY, WA

(AGENCY)

CLAUDE WILLIAMS

(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 06/04/91

ESTIMATED START-UP DATE-- / /

(206) 689-402

(PHONE)

AIRS ID NO.

EPA ID NO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT NAME	EMISSION LIMITS (PRIMARY) (STANDARDIZED)	
			CTRL EQUIPMENT/PROCESS MODIFICATION RANKING INFORMATION	BASIS EST % EFF

CONCRETE BATCH PLANT

300.00 CY/HR

PROCESS CODE 90.012

SCC CODE

PM10

CAS NO.

0.0200 GRAIN/SCF

0.0000

BAGHOUSE

BACT-OTHER

0.000

MATERIAL STORAGE, SILO

2400.00 CFT

PROCESS CODE 90.028

SCC CODE

PM-10

CAS NO.

0.0200 GRAIN/SCF

0.0000

BAGHOUSE

BACT-OTHER

0.000

NOTES: 1. PERMIT FOR ONE 300 CY/HR ROSS BANDIT CONCRETE BATCH PLANT WITH A 2400

CFT SILO AND A FFW 100-108R BAGHOUSE AT 5000 CFM.

REPORT DATE: 07/27/93

DETAILED SOURCE LISTING (Part A)

PAGE H- 732

BLIS ID No. WA-0272

DATE ENTERED/UPDATED: 06/22/93

COMPANY NAME/SITE LOCATION: BOEING DEFENSE & SPACE GROUP - PLANT II
7755 E MARGINAL WY S - PLT II
SEATTLE, WA 98108-

COUNTY

DETERMINATION IS FOR A NEW SOURCE.

PERMIT NO. NC3966

DETERMINATION MADE BY: PUGET SOUND AIR POLL CONTROL AGENCY, WA
(AGENCY)

CLAUDE WILLIAMS
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 09/06/91
ESTIMATED START-UP DATE-- / /
(206) 689-4066
(PHONE)

AIRS ID NO. 033-00053

EPA ID NO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT NAME	EMISSION LIMITS (PRIMARY) (STANDARDIZED)		BACT-OTHER
			CTRL EQUIPMENT/PROCESS MODIFICATION RANKING INFORMATION	BASIS EST % EFF	

BOILERS (2)

80000.00 LB/HR (EACH)

PROCESS CODE 11.004
SCC CODE

NOX (FROM NAT. GAS)
CAS NO. 0.0900 LB/MMBTU
BACT-OTHER 0.000

NOX (FROM RES. OIL)
CAS NO. 0.3000 LB/MMBTU

BACT-OTHER 0.000

NOX (OVERALL PLT II)
CAS NO. 40.0000 TPY
0.0000

BACT-OTHER 0.000

SOX (OVERALL PLT II)
CAS NO. 40.0000 TPY
0.0000

BACT-OTHER 0.000

- NOTES:
1. PERMIT FOR TWO 80,000 LB/HR CLEAVER-BROOKS MODEL DLD94 STEAM BOILERS WITH A COEN DAF30 GAS/OIL-FIRED LO-NOX BURNER, REPLACING SIX EXISTING BOILERS. THIS ORDER OF APPROVAL NC3966 SUPERSEDES NC 3239.
 2. BOEING (PLANT II) MAY BURN RESIDUAL OIL IN THE BOILERS ONLY WHEN NAT. GAS SERVICE IS INTERRUPTED OR AS A PART OF THE ANNUAL TURNOVER OF DAY-TANK FUEL. ANNUAL USAGE OF RESIDUAL OIL FOR DAYTANK FUEL TURNOVER SHALL NOT EXCEED 40,000 GALLONS.
 3. BOEING MUST LIMIT TOTAL NOX AS FOLLOWS: $4.635 \text{ GN} + 6.80 \text{ LN} + 0.0275 \text{ LO} < 95.03 \text{ TONS NOX (TOTAL PLANT II) PER RUNNING 12 MONTH PERIOD}$; G = GAS (MILLIONS OF THERMS), L = OIL USED (1000 GAL), N = NEW, O = OLD.

REPORT DATE: 07/27/93

DETAILED SOURCE LISTING (Part A)
BLIS ID No. WA-0273

PAGE H- 734
DATE ENTERED/UPDATED: 06/22/93

COMPANY NAME/SITE LOCATION: US AIR FORCE - MCCHORD AIR FORCE BASE
BRIDGEPORT WY & I-5
MCCHORD FIELD, WA 98438-

COUNTY

DETERMINATION IS FOR A NEW SOURCE.

PERMIT NO. NC3667

DETERMINATION MADE BY: PUGET SOUND AIR POLL CONTROL AGENCY, WA
(AGENCY)

CLAUDE WILLIAMS
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 01/10/91
ESTIMATED START-UP DATE-- / /
(206) 689-4066
(PHONE)

AIRS ID NO. 053-00013

EPA ID NO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT NAME	EMISSION LIMITS (PRIMARY) (STANDARDIZED)	CTRL EQUIPMENT/PROCESS MODIFICATION RANKING INFORMATION	BASIS EST % EFF
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MATERIAL STORAGE, UNDERGROUND TANK

4000.00 GALLONS

PROCESS CODE 42.005
SCC CODE

VOC
CAS NO.

0.0000 NONE LISTED
0.0000

BACT-OTHER
0.000

MATERIAL STORAGE, TANKS (2)

10000.00 BBL EACH

PROCESS CODE 42.006
SCC CODE

VOC
CAS NO.

0.0000 NONE LISTED
0.0000

BACT-OTHER
0.000

INTERNAL FLOATING PAN

- NOTES: 1. PERMIT FOR TWO 10,000 BBL 52' DIA. X 32'3" HIGH JP-4 STORAGE TANKS WITH
INTERNAL FLOATING PANS (#1 & #2) AND A 4000 GALLON UNDERGROUND JP-4
STORAGE TANK (#3-PRODUCT RECOVERY TANK).
2. TANKS #1 AND #2 ARE SUBJECT TO 40 CFR 60, SUBPART KB.

REPORT DATE: 07/27/93

DETAILED SOURCE LISTING (Part A)

PAGE H- 735

BLIS ID No. WI-0063

DATE ENTERED/UPDATED: 06/08/93

COMPANY NAME/SITE LOCATION: AMERICAN PACKAGING CORP.

850 WEST JAMES ST.
COLUMBUS, WI

COLUMBIA COUNTY

DETERMINATION IS FOR A NEW SOURCE.

PERMIT NO. 92-IRS-119

DETERMINATION MADE BY: WISCONSIN DEPT OF NATURAL RESOURCES
(AGENCY)

IMELDA R. STAMM
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- / /
ESTIMATED START-UP DATE-- / /
(608) 266-0244
(PHONE)

AIRS ID NO. 11-10-08810

EPA ID NO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT NAME	EMISSION LIMITS (PRIMARY) (STANDARDIZED)		BASIC EST & EFF
			CTRL EQUIPMENT/PROCESS MODIFICATION RANKING INFORMATION		

PRINTING PRESS, ROTOGRAVURE, 10-COLOR STATION 0.00

PROCESS CODE 41.021
SCC CODE 40500511

VOC
CAS NO.

35.9200 LBS/HR
0.0000

BACT-OTHER
98.000

REGENERATIVE THERMAL INCINERATOR

4/ 1 CONTROL OPTIONS EXAMINED/OPTION SELECTED

- NOTES: 1. THE CONTROL OPTIONS ACTUALLY ONLY INVOLVED A THERMAL INCINERATOR. THE
OPTIONS LOOKED AT WHETHER TO REPLACE OR RETROFIT THE EXISTING THERMAL
INCINERATOR.
2. COST FOR OPTION SELECTED: \$67.00/TON.
3. VOC LIMIT IS BASED ON TOP-DOWN BACT.

REPORT DATE: 07/27/93

DETAILED SOURCE LISTING (Part A)
BLIS ID No. WI-0064

PAGE H- 736
DATE ENTERED/UPDATED: 03/05/93

COMPANY NAME/SITE LOCATION: WAUPACA FOUNDRY INC., PLANT 1
406 N DIVISION STREET
WAUPACA, WI

WAUPACA COUNTY

DETERMINATION IS FOR A MODIFIED SOURCE.

PERMIT NO. 91-RV-103

DETERMINATION MADE BY: WISCONSIN DEPT OF NATURAL RESOURCES
(AGENCY)

RAJ VAKHARIA
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 12/21/92
ESTIMATED START-UP DATE-- 12/01/92
(608) 267-2015
(PHONE)

AIRS ID NO.

EPA ID NO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT NAME	EMISSION LIMITS (PRIMARY) (STANDARDIZED) CTRL EQUIPMENT/PROCESS MODIFICATION RANKING INFORMATION	BASIS EST % EFF
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NATURAL GAS FIRED CORE MAKEUP UNITS

54.78 MM BTU/HR

PROCESS CODE 81.004
SCC CODE 30400398

PM
CAS NO.

0.1700 LB/HR
0.0000
USE OF NATURAL GAS AS FUEL

BACT-PSD
0.000

DISA LINE, SAND HANDLING

0.00

PROCESS CODE 81.004
SCC CODE 30400350

PM
CAS NO.

2.0000 LBS/HR
0.0000
FABRIC FILTER BAGHOUSE

BACT-PSD
99.000

SANDCOOLING; WATER ADDITION BELT; SAND HANDLING

0.00

PROCESS CODE 81.004
SCC CODE 30400352

PM
CAS NO.

6.0000 LBS/HR
0.0000
FABRIC FILTER BAGHOUSE

BACT-PSD
99.000

BLIS ID No. WI-0064

DATE ENTERED/UPDATED: 03/05/93

PICK AND SHAKE LINE	0.00	VOC CAS NO.	10.0000 LBS/HR 0.0000	BACT-PSD 0.000
PROCESS CODE 81.004 SCC CODE 30400398		PM CAS NO.	3.0000 LBS/HR 0.0000	BACT-PSD 99.000
CUPOLA (WITH HOT BLAST BURNERS, AFTERBURNER)	0.00			
PROCESS CODE 81.004 SCC CODE 30400301		PM CAS NO.	15.0000 LBS/HR 0.0000	BACT-PSD 99.000
			VENTURI SCRUBBER SYSTEM	
		VOC CAS NO.	2.0000 LBS/HR 0.0000	BACT-PSD 99.000
			THERMAL INCINERATOR	
DISA LINE; SANDHANDLING; MULLOR	0.00			
PROCESS CODE 81.004 SCC CODE 30400350		PM CAS NO.	2.0000 LBS/HR 0.0000	BACT-PSD 99.000
			FABRIC FILTER BAGHOUSE	
DISA LINE; POURING/MOLD COOLING; MULLOR	0.00			
PROCESS CODE 81.004 SCC CODE 30400398		PM CAS NO.	3.5000 LBS/HR 0.0000	BACT-PSD 99.000
			FABRIC FILTER BAGHOUSE	
		VOC CAS NO.	12.0000 LBS/HR 0.0000	BACT-PSD 0.000
			EFFICIENT OPERATION OF THE DISA LINE	

DISA LINES (2)	0.00				
PROCESS CODE 81.004		PM	6.0000 LBS/HR		BACT-PSD
SCC CODE 30400398		CAS NO.	0.0000		99.000
			FABRIC FILTER BAGHOUSE		
		VOC	10.0000 LBS/HR		BACT-PSD
		CAS NO.	0.0000		0.000
			EFFICIENT OPERATION OF THE DISA LINE		

NOTES:

REPORT DATE: 07/27/93

DETAILED SOURCE LISTING (Part A)

PAGE H- 739

BLIS ID No. WI-0065

DATE ENTERED/UPDATED: 04/06/93

COMPANY NAME/SITE LOCATION: APPLETON PAPER, INC.
540 PROSPECT STREET
COMBINED LOCKS, WI 54113

OUTGAMIE COUNTY

DETERMINATION IS FOR A MODIFIED SOURCE.

PERMIT NO. 92-RV-059

DETERMINATION MADE BY: WISCONSIN DEPT OF NATURAL RESOURCES
(AGENCY)

RAJ VAHKARIA
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 01/12/93
ESTIMATED START-UP DATE-- 07/01/93
(608) 267-2015
(PHONE)

AIRS ID NO.

EPA ID NO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT NAME	EMISSION LIMITS (PRIMARY) (STANDARDIZED)		
			CTRL EQUIPMENT/PROCESS MODIFICATION	BASIS	EST % EFF
			RANKING INFORMATION		

BOILER, NATURAL GAS FUEL

200000.00 LBS STEAM/HR

PROCESS CODE 11.004
SCC CODE 10200601

TSP
CAS NO.
0.0050 LB/MMBTU
0.0050 LB/MMBTU
BACT-PSD
0.000

SO2
CAS NO. 7446-09-5
0.0010 LB/MMBTU
0.0010 LB/MMBTU
BACT-PSD
0.000

NOX
CAS NO.
0.0500 LB/MMBTU
0.0500 LB/MMBTU
BACT-PSD
75.000

LOW NOX BURNERS AND FLUE GAS REINDUCTOR

CO
CAS NO. 630-08-0
0.1200 LB/MMBTU
0.1200 LB/MMBTU
BACT-PSD
0.000
PROPER COMBUSTION

BOILER, NO. 2 OIL FUEL		200000.00 LBS STEAM/HR			
PROCESS CODE 11.004					
SCC CODE 10200501					
VE	CAS NO.	20.0000 % OPACITY	0.0000	OTHER	0.000
VOC	CAS NO.	0.0020 LB/MMBTU	0.0020 LB/MMBTU	OTHER	0.000
TSP					
	CAS NO.	0.0300 LB/MMBTU	0.0300 LB/MMBTU	BACT-PSD	0.000
SO2	CAS NO. 7446-09-5	0.5070 LB/MMBTU	0.5070 LB/MMBTU	BACT-PSD	0.000
NOX	CAS NO.	0.1000 LB/MMBTU	0.1000 LB/MMBTU	BACT-PSD	75.000
LOW NOX BURNERS AND FLUE GAS REINDUCTOR					
CO	CAS NO. 630-08-0	0.1200 LB/MMBTU	0.1200 LB/MMBTU	BACT-PSD	0.000
PROPER COMBUSTION					
VE	CAS NO.	20.0000 % OPACITY	0.0000	OTHER	0.000
VOC	CAS NO.	0.0020 LB/MMBTU	0.0020 LB/MMBTU	OTHER	0.000

REPORT DATE: 07/27/93
DETAILED SOURCE LISTING (Part A)
BLIS ID No. WI-0065

- NOTES: 1. DETERMINATION IS FOR ONE (1) MULTIPLE FUEL-FIRED BOILER WITH DIFFERENT EMISSION LIMITS FOR NATURAL GAS AND #2 FUEL OIL.
2. LOW NOX BURNER WITH FLUE GAS REINDUCTOR WAS SELECTED OVER SCR OR SNCR BECAUSE IT WILL ACHIEVE A HIGH LEVEL OF NOX REDUCTION (75% VS. 80-90% FOR SCR AND 50% FOR SNCR) AT RELATIVELY LOW COST.

REPORT DATE: 07/27/93

DETAILED SOURCE LISTING (Part A)

PAGE H- 742

BLIS ID No. WI-0066

DATE ENTERED/UPDATED: 06/14/93

COMPANY NAME/SITE LOCATION: BEMIS SPECIALTY FILMS
2450 BADGER AVENUE
OSKOSH, WI 54904

CALUMET COUNTY

DETERMINATION IS FOR A NEW SOURCE.

PERMIT NO. 92-RV-101

DETERMINATION MADE BY: WISCONSIN DEPT OF NATURAL RESOURCES
(AGENCY)

RAJ VAHKARIA
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE--- 11/09/92
ESTIMATED START-UP DATE--- 11/09/92
(608) 267-2015
(PHONE)

AIRS ID NO.

EPA ID NO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT NAME	EMISSION LIMITS (PRIMARY) (STANDARDIZED)		BACT-PSD
			CTRL EQUIPMENT/PROCESS MODIFICATION RANKING INFORMATION	BASIS	

LAMINATOR

0.00

PROCESS CODE 41.023
SCC CODE 40500201

VOC (SOLVENT-BORNE)
CAS NO.

95.0000 % DESTRUC. EFF.
0.0000

BACT-PSD
0.000

CATALYTIC INCINERATOR

VOC (WATER BORNE)
CAS NO.

3.0000 % BY WT OF MAX. SOLV
0.0000

BACT-PSD
0.000

CATALYTIC INCINERATOR

NOTES: 1. BACT FOR THE LAMINATOR WHEN APPLYING SOLVENT BORNE MATERIALS IS

DETERMINED TO BE ADD-ON CONTROL SYSTEM ACHIEVING 100% CONTROL EFF. AND
A DESTRUCTION EFFICIENCY OF AT LEAST 95% THROUGH USE OF CATALYTIC
INCINERATOR.

BACT FOR THE LAMINATOR WHEN APPLYING WATER BORNE MATERIALS IS DETERMINED
TO BE A LIMIT OF 3% BY WT OF THE MAXIMUM ALLOWABLE SOLVENT CONTENT
(VOC) IN THE APPLICABLE COATING.

REPORT DATE: 07/27/93

DETAILED SOURCE LISTING (Part A)

PAGE H- 743

BLIS ID No. WI-0067

DATE ENTERED/UPDATED: 03/23/93

COMPANY NAME/SITE LOCATION: WPCU, PARIS SITE
172ND AVENUE
PARIS, WI

KENOSH COUNTY

DETERMINATION IS FOR A NEW SOURCE.

PERMIT NO. 91-RV-043

DETERMINATION MADE BY: WISCONSIN DEPT OF NATURAL RESOURCES
(AGENCY)

VAJ VAHKARIA
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 08/29/92
ESTIMATED START-UP DATE-- 11/01/92
(608) 267-2015
(PHONE)

AIRS ID NO.

EPA ID NO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT NAME	EMISSION LIMITS (PRIMARY) (STANDARDIZED)	
			CTRL EQUIPMENT/PROCESS MODIFICATION RANKING INFORMATION	BASIS EST % EFF

TURBINES, COMBUSTION (4)

0.00

PROCESS CODE 15.007
SCC CODE 20100201

PM
CAS NO.

12.0000 LBS/HR
0.0000
GOOD COMBUSTION

BACT-PSD
0.000

SO2
CAS NO. 7446-09-5

0.0525 LB/MM BTU
0.0000

BACT-PSD
0.000

NOX (FROM NAT. GAS)
CAS NO.

25.0000 PPM DV
0.0000
GOOD COMBUSTION PRACTICES

BACT-PSD
0.000

NOX (FROM OIL)
CAS NO.

65.0000 PPM DV
0.0000
GOOD COMBUSTION PRACTICES

BACT-PSD
0.000

REPORT DATE: 07/27/93

DETAILED SOURCE LISTING (Part A)
BLIS ID No. WI-0067

PAGE H- 744
DATE ENTERED/UPDATED: 03/23/93

CO		25.0000 LBS/HR (SEE NOTES)	BACT-PSD
CAS NO. 630-08-0		0.0000	0.000
VOC		9.0000 LBS/HR (SEE NOTES)	BACT-PSD
CAS NO.		0.0000	0.000
		GOOD COMBUSTION PRACTICES	
BE		0.0000	BACT-OTHER
CAS NO. 7440-41-7		0.0000	0.000
VE		10.0000 % OPACITY	
CAS NO.		0.0000	0.000

NOTES: 1. DETERMINATION FOR ELECTRICITY PEAKING GENERATING STROKER WITH (4) SIMPLE
CYCLE COMBUSTION TURBINES AND A FUEL OIL STORAGE TANK.
2. CO AND VOC LIMITS APPLY AT W ABOVE 75% LOAD.

REPORT DATE: 07/27/93

DETAILED SOURCE LISTING (Part A)

PAGE H- 745

BLIS ID No. WI-0069

DATE ENTERED/UPDATED: 03/23/93

COMPANY NAME/SITE LOCATION: BEMIS SPECIALTY FILMS
2450 BADGER AVENUE
OSHKOSH, WI 54904-

COUNTY

DETERMINATION IS FOR A NEW SOURCE.

PERMIT NO. 92-RN-089

DETERMINATION MADE BY: WISCONSIN DEPT OF NATURAL RESOURCES
(AGENCY)

RAJ VAHKAVIA
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 09/15/92
ESTIMATED START-UP DATE-- 09/01/92
(608) 267-2015
(PHONE)

AIRS ID NO.

EPA ID NO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT NAME	EMISSION LIMITS (PRIMARY) (STANDARDIZED)		BASIS EST % EFF
			CTRL EQUIPMENT/PROCESS MODIFICATION RANKING INFORMATION		

PRINTING PRESSES, 8-COLOR FLEXOGRAPHIC (2)

0.00

PROCESS CODE 41.021

SCC CODE 40500301

VOC

CAS NO.

0.0000

0.0000

BACT-OTHER

82.000

CATALYTIC INCINERATOR

NOTES: 1. VOC LIMIT BASED ON TOP-DOWN BACT. MUST MAINTAIN AN OVERALL BACT CONTROL
EFFICIENCY OF 82% USING A CATALYTIC INCINERATOR IN A CONTROL SYSTEM.

COMPANY NAME/SITE LOCATION: DURALAM, INC.
APPLETON, WI

COUNTY

DATE OF PERMIT ISSUANCE-- 10/29/91
ESTIMATED START-UP DATE-- / /
(608) 266-0241
(PHONE)

DETERMINATION IS FOR A NEW SOURCE.

PERMIT NO. 91-IRS-120

DETERMINATION MADE BY: WISCONSIN DEPT OF NATURAL RESOURCES
(AGENCY)

IMELDA R. STRAWN
(AGENCY CONTACT PERSON)

EPA ID NO.

AIRS ID NO. 44-50-8080

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT NAME	EMISSION LIMITS (PRIMARY) (STANDARDIZED)	CTRL EQUIPMENT/PROCESS MODIFICATION RANKING INFORMATION	BASIS EST % EFF
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CURING OVEN/CATALYTIC INCINERATOR

7.05 X10(6) BTU/HR

PROCESS CODE 41.023
SCC CODE

NOX
CAS NO.

0.6400 LB/HR
0.0000
CATALYTIC INCINERATOR

OTHER
98.000

VE
CAS NO.

20.0000 % OPACITY
0.0000

OTHER
0.000

LAMINATOR, ADHESIVE

700.00 FPM

PROCESS CODE 41.023
SCC CODE 40500201

VOC
CAS NO.

98.0000 % OF OVERALL CONTROL
0.0000
CATALYTIC INCINERATOR

BACT-PSD
98.000

NOTES: 1. EMISSION LIMITS IDENTIFIED AS "OTHER" BASIS ARE ASSOCIATED WITH SIP.
2. THE CATALYTIC INCINERATOR IS GUARANTEED AT 98% DESTRUCTION EFFICIENCY.
THE CAPTURE EFFICIENCY IS 100% BASED ON MEETING THE CRITERIA FOR 100%
CAPTURE EFFICIENCY DEMONSTRATION.

REPORT DATE: 07/27/93

DETAILED SOURCE LISTING (Part A)
BLIS ID No. WI-0071

PAGE H- 747
DATE ENTERED/UPDATED: 02/24/93

COMPANY NAME/SITE LOCATION: PRINTPACK ENTERPRISES, INC.
RHINELANDER, WI

COUNTY

DETERMINATION IS FOR A MODIFIED SOURCE.

PERMIT NO. 92-DCF-025

DETERMINATION MADE BY: WISCONSIN DEPT OF NATURAL RESOURCES
(AGENCY)

DON C. FAITH III
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 09/11/92
ESTIMATED START-UP DATE-- / /
(608) 267-3135
(PHONE)

AIRS ID NO.

EPA ID NO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT NAME	EMISSION LIMITS (PRIMARY) (STANDARDIZED)	CTRL EQUIPMENT/PROCESS MODIFICATION RANKING INFORMATION	BASIS EST % EFF
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PRINTER-LAMINATOR

95.00 GPH INK/ADHESIVE

PROCESS CODE 41.021
SCC CODE

VOC
CAS NO.

0.0000
0.0000
BACT-OTHER
95.000
PERMANENT TOTAL ENCLOSURE & THERMAL REG. *
4/ 2 CONTROL OPTIONS EXAMINED/OPTION SELECTED

NOTES: 1. CONTROL DEVICES (PERMANENT TOTAL ENCLOSURE (PTE) AND THERMAL REG.

INCINERATOR) DETERMINED BY TOP-DOWN BACT.

2. COST PER TON OF OPTION SELECTED NOT QUANTIFIED. FACILITY IS PROVIDING
PTE AND USE OF EXISTING INCINERATOR FOR BACT. THE RANK 1 OPTION WAS
USE OF A PTE PLUS A NEW INCINERATOR TO PROVIDE APPROX. 98% CONTROL.
THIS WAS FOUND TO HAVE A \$15,900/TON INCREMENTAL COST AND MORE
REPRESENTATIVE OF LAER.

REPORT DATE: 07/27/93

DETAILED SOURCE LISTING (Part A)
BLIS ID No. WI-0072

PAGE H- 748
DATE ENTERED/UPDATED: 06/14/93

COMPANY NAME/SITE LOCATION: QUAD GRAPHICS
952 BADGER ROAD
LAWARE, WI 53068-

COUNTY

DETERMINATION IS FOR A MODIFIED SOURCE.

PERMIT NO. 91-RV-082

DETERMINATION MADE BY: WISCONSIN DEPT OF NATURAL RESOURCES
(AGENCY)

RAJ VAHKAVIA
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 02/01/92
ESTIMATED START-UP DATE-- 02/01/92
(608) 267-2015
(PHONE)

AIRS ID NO.

EPA ID NO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT NAME	EMISSION LIMITS (PRIMARY) (STANDARDIZED)		BASIS EST % EFF
			CTRL EQUIPMENT/PROCESS MODIFICATION RANKING INFORMATION		

PRINTING PRESSES, ROTOGRAVURE (2)

0.00

PROCESS CODE 41.023
SCC CODE 40500501

VOC
CAS NO.

11.2000 LBS/HR
0.0000
CARBON ADSORBER SYSTEM

BACT-OTHER
90.000

NOTES: 1. EMISSION LIMITS DETERMINED ON THE BASIS OF BACT-NSPD.

2. LIMIT: 90% OVERALL CONTROL EFFICIENCY ON A 30-DAY AVERAGE; PRIMARY AND
ALTERNATIVE LIMITS BASED ON AVERAGE 12 CONSECUTIVE MONTHS.

REPORT DATE: 07/27/93

DETAILED SOURCE LISTING (Part A)

PAGE H- 749
DATE ENTERED/UPDATED: 02/24/93

BLIS ID No. WI-0073

COMPANY NAME/SITE LOCATION: NEENAH FOUNDRY PLANTS 2 AND 3
NEENAH, WI

WINNEBAGO COUNTY

DETERMINATION IS FOR A MODIFIED SOURCE.

PERMIT NO. 90-PMH-093

DETERMINATION MADE BY: WISCONSIN DEPT OF NATURAL RESOURCES
(AGENCY)

MARK HARDEV
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- / /
ESTIMATED START-UP DATE-- / /
(608) 267-2016
(PHONE)

AIRS ID NO.

EPA ID NO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT NAME	EMISSION LIMITS (PRIMARY) (STANDARDIZED)	CTRL EQUIPMENT/PROCESS MODIFICATION RANKING INFORMATION	BASIS EST & EFF
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PLANT 2 SHAKEOUT

30.00 TPH METAL CHARGED

PROCESS CODE 81.004
SCC CODE 30400333

VOC
CAS NO.

52.8000 LBS/HR
0.0000

BACT-OTHER
0.000

8/ 8 CONTROL OPTIONS EXAMINED/OPTION SELECTED

PLANT 3 SHAKEOUT

25.00 TPH METAL CHARGED

PROCESS CODE 81.004
SCC CODE 30400333

VOC
CAS NO.

30.0000 LBS/HR
0.0000

BACT-OTHER
0.000

8/ 8 CONTROL OPTIONS EXAMINED/OPTION SELECTED

NOTES: 1. EMISSION LIMITS BASED ON TOP-DOWN BACT.

2. EXHAUST VOLUME IS 590,000 ACFM. COMPANY CLAIMED NON-VOC EXHAUST STREAMS
COULD NOT BE RE-ROUTED DUE TO THE AGE OF THE FACILITY AND COMPLEXITY OF
THE EXISTING SYSTEM.

REPORT DATE: 07/27/93

DETAILED SOURCE LISTING (Part A)

PAGE H- 750

BLIS ID No. WI-0074

DATE ENTERED/UPDATED: 06/14/93

COMPANY NAME/SITE LOCATION: 3M - PRAIRIE DU CHIEN, PLANT #2
WI

COUNTY

DETERMINATION IS FOR A NEW SOURCE.

PERMIT NO. 90-POY-165

DETERMINATION MADE BY: WISCONSIN DEPT OF NATURAL RESOURCES
(AGENCY)

PAUL O. YEUNG
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 01/13/92
ESTIMATED START-UP DATE-- / /
(608) 266-0672
(PHONE)

AIRS ID NO.

EPA ID NO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT NAME	EMISSION LIMITS (PRIMARY) (STANDARDIZED)		
			CTRL EQUIPMENT/PROCESS MODIFICATION	RANKING INFORMATION	BASIS EST % EFF

MAKER #24 (SEE NOTES)

0.00

PROCESS CODE 41.023
SCC CODE

VOC
CAS NO.

70.0000 LBS/HR
0.0000

BACT-OTHER
95.000

THERMAL OXIDIZER

2/ 2 CONTROL OPTIONS EXAMINED/OPTION SELECTED

NOTES: 1. STATE FID: 612023940.

2. LIMIT DETERMINED BY TOP-DOWN BACT.

3. THE EQUIPMENT WILL BE USED TO MAKE MORE THAN 100 PROJECTS. NO CAPACITY
IS GIVEN.

4. UNCONTROLLED EMISSIONS WILL BE 1400 LBS/HR. THE TOP CONTROL OPTION
CONSIDERED WAS THERMAL INCINERATION @ 2200 F. NOT SELECTED BECAUSE IT
WOULD GENERATE HIGH NOX.

5. THERMAL OXIDATION FOR VOC CONTROL MUST TAKE PLACE AT 1500 F.