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Environmental Protection
Agency

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

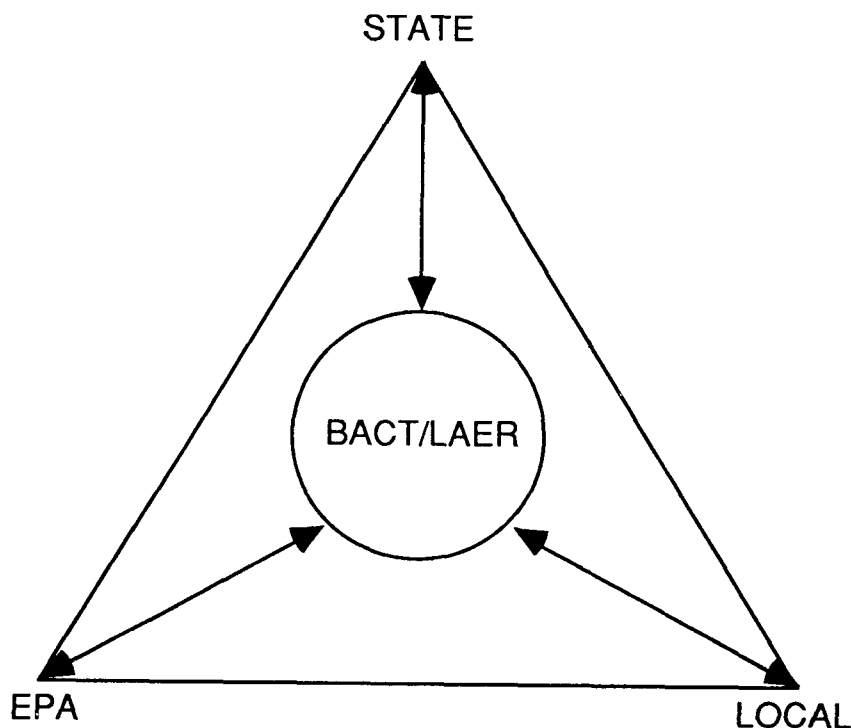
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July 1990

Air

BACT/LAER CLEARINGHOUSE:

A COMPILATION OF CONTROL TECHNOLOGY DETERMINATIONS

Volume II - Appendix H, Source Codes 1 to 3



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

July 1990

**BACT/LAER CLEARINGHOUSE:
A COMPILATION OF CONTROL
TECHNOLOGY DETERMINATIONS**

Prepared by

Emission Standards Division

**U.S. ENVIRONMENTAL PROTECTION AGENCY
OFFICE OF AIR QUALITY PLANNING AND STANDARDS
RESEARCH TRIANGLE PARK, NORTH CAROLINA 27711**

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July 1990

DISCLAIMER

This report was prepared by PEI Associates, Inc., Cincinnati, Ohio, under Contract No. 68-02-4394, Work Assignment No. 46. It has been reviewed by the Emission Standards Division of the Office of Air Quality Planning and Standards, U.S. Environmental Protection Agency and approved for publication. Approval does not signify that the contents necessarily reflect the views and policies of the U.S. Environmental Protection Agency. Mention of trade names or commercial products is not intended to constitute endorsement or recommendation for use. Copies of this report are available from the National Technical Information Service, 5285 Port Royal Road, Springfield, Virginia 22161, telephone (703) 487-4650.

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ACKNOWLEDGMENT

The computerized information listings contained in this report were prepared for the BACT/LAER Clearinghouse by PEI Associates, Inc., Cincinnati, Ohio. Mr. David Dunbar served as the Project Director, and Mr. Joe Steigerwald was the Project Manager. Mr. Bob Blaszcak was the EPA Technical Representative.

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APPENDIX H
DETAILED SOURCE LISTINGS FOR NEW DETERMINATIONS
SOURCE CODES 1-3

APPENDIX -- DETAILED SOURCE LISTING

05/30/1990

```

=====
SOURCE TYPE/SIZE          EXTERNAL COMBUSTION - COAL
-----
COMPANY NAME/SITE LOCATION  A E S THAMES, INC.          MONTVILLE, CT
                             125 DEPOT RD
-----
DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 107-0010
DETERMINATION MADE BY CONNECTICUT DEP
                        (AGENCY)
                        SUSAN AMARELLO
                        (AGENCY CONTACT PERSON)
                        DATE OF PERMIT ISSUANCE-- 08/09/89
                        ESTIMATED DATE OF START-UP-- 1989
                        (203)-566-8230
                        (PHONE)
=====

```

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BOILER	923.00 MMBTU/H			
		PM	0.0200 LB/MMBTU	
			BAGHOUSE	99.90
		SOX	0.3200 LB/MMBTU	
			LIMESTONE INJECTION	70.00
		NOX	0.3600 LB/MMBTU	
			FLUIDIZED BED COMBUSTION	
		VOC	0.0200 LB/MMBTU	
		CO	0.1100 LB/MMBTU	
		PB	1.5000 E-4 LB/MMBTU	

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 04/30/1990

APPENDIX -- DETAILED SOURCE LISTING

05/30/1990

SOURCE TYPE/SIZE

EXTERNAL COMBUSTION - COAL

COMPANY NAME/SITE LOCATION A E S THAMES, INC.
125 DEPOT RD

MONTVILLE, CT

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 107-0010
DETERMINATION MADE BY CONNECTICUT DEP
(AGENCY)SUSAN AMARELLO
(AGENCY CONTACT PERSON)DATE OF PERMIT ISSUANCE-- 08/09/89
ESTIMATED DATE OF START-UP-- 1989
(203)-566-8230
(PHONE)PROCESSES SUBJECT
TO THIS PERMITTHROUGHPUT
CAPACITYPOLLUTANT
EMITTEDEMISSION LIMITS
CONTROL EQUIPMENT OR PROCESS MODIFICATION ... & BASIS
... PCT EFF

BOILER

923.00 MMBTU/H

PM

0.0200 LB/MMBTU

BAGHOUSE

99.90

SOX

0.3200 LB/MMBTU

LIMESTONE INJECTION

70.00

NOX

0.3600 LB/MMBTU

FLUIDIZED BED COMBUSTION

VOC

0.0200 LB/MMBTU

CO

0.1100 LB/MMBTU

PB

1.5000 E-4 LB/MMBTU

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 04/30/1990

PAGE H- 2

ID NUMBER CT-0067

SOURCE TYPE CODE 1.1

APPENDIX -- DETAILED SOURCE LISTING

05/30/1990

SOURCE TYPE/SIZE EXTERNAL COMBUSTION - COAL

COMPANY NAME/SITE LOCATION APPLIED ENERGY SERVICES - BARBERS POINT* EMA BEACH, HI
 CAMPBELL INDUSTRIAL PARK

DETERMINATION IS BACT FOR A NEW SOURCE.
 PERMIT NO. HI 88-02
 DETERMINATION MADE BY HAWAII DOH
 (AGENCY)

NOLAN HIRAI
 (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 01/25/90
 ESTIMATED DATE OF START-UP-- 1992
 (808)-543-8200
 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BOILER, CFB, 2 EA	2150.00 MMBTU/H TOT*			
		PM/*	32.2000 LB/H 0.0070 GR/DSCF BAGHOUSE	BACT 99.90
		NOX	236.5000 LB/H 25.0000 PPM SELECTED NON-CATALYTIC REDUCTION	BACT 62.00
		CO	408.4000 LB/H 70.0000 PPM	BACT
		SO2	645.0000 LB/H 48.0000 PPM LIMESTONE BED	BACT 90.00
		VOC	32.2000 LB/H 3.5000 PPM	BACT
		PB	5.7000 LB/H 0.0012 GR/DSCF	BACT
		F	101.1000 LB/H 0.0470 LB/MMBTU	BACT
		HG	0.1700 LB/H 8.1000 E-5 LB/MMBTU	BACT
		BE	0.0670 LB/H 3.1000 E-5 LB/MMBTU	BACT
		H2S*	49.5000 LB/H 0.0230 LB/MMBTU	BACT

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 04/30/1990

(CONTINUED) APPLIED ENERGY SERVICES - BARBERS POINT*

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
-------------------------------------	------------------------	----------------------	--	----------------------------

SAME PROCESS (CONTINUED)

NOTES -----

TWO BOILERS SERVICED BY A COMMON STACK. PPM EMISSION LIMITS ARE CORRECTED TO 15% O2. GR/DSCF EMISSION LIMITS ARE CORRECTED TO 12% CO2.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 04/30/1990

APPENDIX -- DETAILED SOURCE LISTING

05/30/1990

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=====
SOURCE TYPE/SIZE          EXTERNAL COMBUSTION - COAL          20.00 MM
-----
COMPANY NAME/SITE LOCATION ARCHBALD POWER CORP.          , PA
                               LACKAWANNA COUNTY
-----
DETERMINATION IS BACT FOR A NEW SOURCE.          DATE OF PERMIT ISSUANCE-- 01/16/87
PERMIT NO. 35-306-001          ESTIMATED DATE OF START-UP--
DETERMINATION MADE BY PENNSYLVANIA DER          (717)-787-9256
                               (AGENCY)          (PHONE)
                               BILL SCHILDT
                               (AGENCY CONTACT PERSON)
=====
  
```

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BOILER	240.00 MMBTU/H			
		PM	0.0500 LB/MMBTU FABRIC FILTER	B/N
		SO2	0.1500 LB/MMBTU LIMESTONE INJ.	BACT 90.00
		NOX	0.2500 LB/MMBTU	BACT

NOTES -----
 FUEL - ANTHRACITE COAL. 0.317% SULFUR, 4200 BTU/LB

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 04/29/1988

APPENDIX -- DETAILED SOURCE LISTING

05/30/1990

SOURCE TYPE/SIZE EXTERNAL COMBUSTION - COAL

COMPANY NAME/SITE LOCATION BMCP

, CA

KERN COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.

PERMIT NO. 4160001-004

DETERMINATION MADE BY KERN COUNTY APCD
(AGENCY)TOM PAXSON
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 06/20/86

ESTIMATED DATE OF START-UP--

(805)-861-3682
(PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BOILER, CIRCULATING BED, COAL F*	220.00 T/D			
		PM	0.0156 GR/DSCF FABRIC COLLECTOR	BACT 99.00
		SO2	0.0390 LB/MMBTU LIMESTONE INJ.	BACT 96.00
		NOX	0.0390 LB/MMBTU LOW TEMP., STAGED COMBUSTION, AMMONIA INJ.	BACT 80.00
		VOC	0.0390 LB/MMBTU O2 MONITOR	BACT

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 02/19/1987

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ID NUMBER CA-0158

SOURCE TYPE CODE 1.1

APPENDIX -- DETAILED SOURCE LISTING

05/30/1990

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=====
SOURCE TYPE/SIZE          EXTERNAL COMBUSTION - COAL          79.80 MM
-----
COMPANY NAME/SITE LOCATION  CAMBRIA COGEN, INC.          , PA          CAMBRIA COUNTY
-----
DETERMINATION IS BACT FOR A NEW SOURCE.          DATE OF PERMIT ISSUANCE-- 05/26/89
PERMIT NO. 11-306-002          ESTIMATED DATE OF START-UP-- 1991
DETERMINATION MADE BY PENNSYLVANIA BAQC          (412)-645-7100
          (AGENCY)          (AGENCY CONTACT PERSON)          (PHONE)
=====

```

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BOILER, CFB, 2 EA	559.00 MMBTU/H	PM	16.8000 LB/H FABRIC FILTER	BACT 99.90
		SO2	556.0000 LB/H LIMESTONE INJ., CA/S = 2/1	BACT 90.00
		NOX	335.5000 LB/H COMBUSTION CONTROL	BACT
		CO	83.9000 LB/H COMBUSTION CONTROL	BACT
		VOC	COMBUSTION CONTROL	BACT
MATL. HANDLING		PM	0.0200 GR/DSCF FABRIC FILTERS	BACT 99.90

NOTES -----

EMISSION RATES IN LB/H ON A 24H ROLLING AVERAGE. CONTINUOUS EMISSION MONITORS REQUIRED FOR O2 OR CO2, SO2, NOX, OPACITY & GAS FLOW. THE FUEL CONSISTS OF 20% BITUMINOUS COAL, 1.4% S, & 80% COAL REFUSE, 3% S. THE BOILERS ARE SUBJECT TO NSPS SUBPART DA & THE COAL HANDLING SUBJECT TO NSPS SUBPART Y.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 07/01/1989

05/30/1990

DATE OF PERMIT ISSUANCE-- 12/07/87
ESTIMATED DATE OF START-UP-- 1988
(313)-567-0710
(PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BOILER, CFBC, COAL FIRED	369.00 MMBTU/H			
		PM10	0.0110 LB/MMBTU MECHANICAL COLLECTOR, BAGHOUSE	LAER 99.90
		VE	10.0000 % OPACITY	
		SO2	0.4960 LB/MMBTU LIMESTONE INJ. INTO FLUID BED, CA/S>=2	BACT 90.00
		NOX	0.4000 LB/MMBTU TEMP. 1450-1650 F EQUIP. DESIGN	BACT
		CO	0.1400 LB/MMBTU TEMP. 1450-1650 F EQUIP. DESIGN	LAER
		VOC	8.8600 LB/H 37.7000 T/YR	

NOTES -----

CONTINUOUS EMISSION MONITORS FOR OPACITY, SO₂, NO_x, O₂, CO₂, & CO. FUGITIVE DUST CONTROL PROGRAM.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 01/29/1988

APPENDIX -- DETAILED SOURCE LISTING

05/30/1990

SOURCE TYPE/SIZE EXTERNAL COMBUSTION - COAL 49.00 MM

COMPANY NAME/SITE LOCATION COGENERATION NATIONAL CORP. STOCKTON, CA

DETERMINATION IS BACT FOR A NEW SOURCE.

PERMIT NO. SJ 85-05

DETERMINATION MADE BY EPA REGION IX

PROCESSES SUBJECT TO THIS PERMIT

THROUGHPUT CAPACITY

POLLUTANT

EMISSION LIMITS

CONTROL EQUIPMENT OR PROCESS MODIFICATION ... PCT EFF

COMBUSTOR, FLUIDIZED BED

300.00 MBTU/H

SO2

26.0000 LB/H

RECIR. FLUID. BED

LIME INJECTION

NOX

30.0000 PMDV AT 3% O2

SNCR

LAER

80.00

BACT

95.00

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 02/28/1986

ID NUMBER CA-0129

SOURCE TYPE CODE 1.1

PAGE H- 9

05/30/1990

COMPANY NAME/SITE LOCATION COGENERATION NATIONAL CORP. , CA

SEYED SADREDIN
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 12/13/85
ESTIMATED DATE OF START-UP-- 1987
(209)-462-8526
(PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BOILER, COAL FIRED, 2 EA	279.60 MMBTU/H	NOX	30.0000 PPMV AT 3% O2 12.0000 LB/H/UNIT NSCR M/MIN AMMONIA INJ NH3 RATE = 5.5 LB/LB NOX	
		SOX	13.0000 LB/H/UNIT LIMESTONE INJECTION	95.00
		CO	SEE NOTE OPTIMUM & STAGED COMBUSTION	
		PM	8.0000 EE-3 GR/SCF AT 12% CO2 10.0000 LB/H TOTAL BAGHOUSE M/MAX AIR/CLOTH RATIO = 4 TO 1 PNEUMATIC ASH REMOVAL	
SILO, COAL STORAGE, 2 EA	557.00 T/D	PM	BAGHOUSE M/MAX AIR/CLOTH RATIO = 5 TO 1	99.00
CONVEYOR, COAL, CANOPY-COVERED	120.00 T/H	PM	TOTAL ENCLOSED, WATER SPRAY	99.00

NOTES -----
CO EMIS. LIMIT - LAER SUBORDINATE TO NOX LAER, LIMIT TO BE SET.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 06/04/1986

PAGE H- 10

ID NUMBER CA-0129A

SOURCE TYPE CODE 1.1

05/30/1990

COMPANY NAME/SITE LOCATION COGENERATION NATIONAL CORP., CA

DATE OF PERMIT ISSUANCE-- 02/25/88

ESTIMATED DATE OF START-UP-- 1988

(209)-468-3474
(PHONE)

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 06/02/1988

05/30/1990

COMPANY NAME/SITE LOCATION COGENERATION NATIONAL CORP.

**SEYED SADREDIN
(AGENCY CONTACT PERSON)**

DATE OF PERMIT ISSUANCE-- 12/13/85
ESTIMATED DATE OF START-UP--
(209)-682-8526
(PHONE)

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 05/18/1990

(CONTINUED) COGENERATION NATIONAL CORP.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
SAME PROCESS (CONTINUED)				
		CO	1842.0000 LB/D AUTO EXCESS AIR CONTROL	LAER
MATL. TRANSFER, TRUCK UNLOADING	1440.00 T/D	PM	NIL BAGHOUSE TOTAL ENCLOSURE	99.00
MATL. TRANSFER, COAL	1440.00 T/D	PM	NIL ENCLOSURE VENTED TO BAGHOUSE	99.00
MATL. STORAGE, FUEL SILO, 2	1440.00 T/D	PM	NIL BAGHOUSE	99.00

NOTES -----

FINAL CONTROL SUBJECT TO LAER AFTER TESTING. COST FIGURES SUBMITTED BY APPLICANT, NO INDEPENDENT DISTRICT VERIFICATION.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 05/18/1990

APPENDIX -- DETAILED SOURCE LISTING

05/30/1990

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SOURCE TYPE/SIZE	EXTERNAL COMBUSTION - COAL	53.00 MM

COMPANY NAME/SITE LOCATION	COGENTRIX CAROLINA LEASING CORP.	ROXBORO, NC
		PERSON COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.		DATE OF PERMIT ISSUANCE-- 05/28/86
PERMIT NO. 5856		ESTIMATED DATE OF START-UP-- 1987
DETERMINATION MADE BY NORTH CAROLINA DEM	MIKE SEWELL	(919)-733-3340
(AGENCY)	(AGENCY CONTACT PERSON)	(PHONE)

=====

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF

BOILER, COAL FIRED, 3 EA	202.00 MMBTU/H			
		PM	0.0300 LB/MMBTU BAGFILTER	99.10
		SO2	1.6400 LB/MMBTU LOW SULFUR COAL, 1%	
		NOX	0.6000 LB/MMBTU CONTROL OF EXCESS AIR	
		CO	0.6000 LB/MMBTU CONTROL OF EXCESS AIR	
		H2S*	0.0210 LB/MMBTU NO CONTROLS	

NOTES -----
NOT SUBJECT TO NSPS, BUT WILL MEET PROPOSED NSPS SUBPART DB.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 04/01/1987

APPENDIX -- DETAILED SOURCE LISTING

05/30/1990

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=====
SOURCE TYPE/SIZE      EXTERNAL COMBUSTION - COAL      106.00 MM
-----
COMPANY NAME/SITE LOCATION  COGENTRIX CAROLINA LEASING CORP.      SOUTHPORT, NC      BRUNSWICK COUNTY
-----
DETERMINATION IS BACT FOR A NEW SOURCE.      DATE OF PERMIT ISSUANCE-- 07/07/86
PERMIT NO. 5884      ESTIMATED DATE OF START-UP-- 1987
DETERMINATION MADE BY NORTH CAROLINA DEM      MIKE SEWELL      (919)-733-3340
      (AGENCY)      (AGENCY CONTACT PERSON)      (PHONE)
=====
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=====
PROCESSES SUBJECT      THROUGHPUT      POLLUTANT      EMISSION LIMITS      ... & BASIS
TO THIS PERMIT      CAPACITY      EMITTED      CONTROL EQUIPMENT OR PROCESS MODIFICATION      ... PCT EFF
-----
BOILER, COAL FIRED, 6 EA      202.00 MMBTU/H
      PM      0.0300 LB/MMBTU
      BAGFILTER      99.10
      SO2      1.6400 LB/MMBTU
      LOW SULFUR COAL, 1%
      NOX      0.6000 LB/MMBTU
      CONTROL OF EXCESS AIR
      CO      0.6000 LB/MMBTU
      CONTROL OF EXCESS AIR
      ACI*      0.0210 LB/MMBTU
      LOW SULFUR COAL, 1%
=====
```

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 04/01/1987

APPENDIX -- DETAILED SOURCE LISTING

05/30/1990

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SOURCE TYPE/SIZE	EXTERNAL COMBUSTION - COAL	642.00 MMBTU/H

COMPANY NAME/SITE LOCATION	COGENTRIX MICHIGAN LEASING CORP.	OTSEGO, MI

DETERMINATION IS FOR A NEW SOURCE.		DATE OF PERMIT ISSUANCE-- 07/31/87
PERMIT NO. 48-87		ESTIMATED DATE OF START-UP-- 1988
DETERMINATION MADE BY MICHIGAN DNR	DHRUMAN SHAH	(517)-373-7023
(AGENCY)	(AGENCY CONTACT PERSON)	(PHONE)

=====

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF

BOILER, 3 EA, SEE NOTE #4	214.00 MMBTU/H			
		PM	0.0300 LB/MMBTU BAGHOUSE	BACT 99.10
		SO2	0.4750 LB/MMBTU, NOTE#1 1.6700 LB/MMBTU, NOTE#2 LIME SPRAY DRYER MAX 3% SULFUR	BACT 90.00
		NOX	0.6000 LB/MMBTU, NOTE#1 DESIGN & OPERATING PRACTICES	BACT
		CO	0.2000 LB/MMBTU, NOTE#3 CO STACK MONITORS DESIGN & OPERATING PRACTICES	BACT

NOTES -----

NOTE#1 - 30 DAY ROLLING AVERAGE. NOTE#2 - 24 HOUR ROLLING AVERAGE. NOTE#3 - 8 HOUR ROLLING AVERAGE. NOTE#4 - SPREADER STOKER,
COAL FIRED BOILER.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 11/02/1987

APPENDIX -- DETAILED SOURCE LISTING

05/30/1990

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=====
SOURCE TYPE/SIZE          EXTERNAL COMBUSTION - COAL
-----
COMPANY NAME/SITE LOCATION  COGENTRIX OF ROCKY MOUNT          ROCKY MOUNT, NC
-----
DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 6563
DETERMINATION MADE BY NORTH CAROLINA DEM
(AGENCY)
SAMMY AMERSON
(AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 07/20/89
ESTIMATED DATE OF START-UP-- 1990
(919)-733-3340
(PHONE)
=====

```

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BOILER, SPREADER-STOKER, 4 EA	375.00 MMBTU/H	SO2	0.3100 LB/MMBTU DRY LIME FGD	BACT
		PM	0.0200 LB/MMBTU FABRIC FILTER	BACT
		PM10	0.0200 LB/MMBTU FABRIC FILTER	BACT
		NOX	0.6000 LB/MMBTU CONTROL OF EXCESS AIR	BACT
		CO	0.2000 LB/MMBTU COMBUSTION CONTROL	BACT
		H2S*	0.0021 LB/MMBTU DRY LIME FGD	BACT
SILO, ASH/LIME/COAL		PM	0.0080 LB/H FABRIC FILTER	BACT

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 08/31/1989

APPENDIX -- DETAILED SOURCE LISTING

05/30/1990

SOURCE TYPE/SIZE EXTERNAL COMBUSTION - COAL

COMPANY NAME/SITE LOCATION COGENTRIX OF VIRGINIA, INC.

HOPEWELL, VA

DETERMINATION IS B/P FOR A NEW SOURCE.

PERMIT NO. 50950

DETERMINATION MADE BY VIRGINIA APCB
(AGENCY)KATHERINE MILLER
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 06/12/86

ESTIMATED DATE OF START-UP-- 1987

(804)-786-1433
(PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BOILER, 6	200.00 MMBTU/H	PM	0.0300 LB/MMBTU 6.0000 LB/H BAGHOUSE	99.10
		SO2	1.5200 LB/MMBTU 304.0000 LB/H	
		NOX	0.6000 LB/MMBTU 120.0000 LB/H	
		CO	0.6000 LB/MMBTU 49.2000 LB/H	
		VOC	3.0000 EE-3 LB/MMBTU 0.7000 LB/H	
STORAGE BUNKER, COAL, 6	270.00 T/H	PM	0.0600 T/YR 8.0000 EE-3 LB/H FABRIC FILTER	99.90
SILO, ASH, 2	12.00 T/H	PM	0.0600 T/YR 0.1600 LB/H BAGFILTER	99.00
UNLOADING COAL CONVEYOR & STACK*	276.30 T/H	PM	0.3220 T/YR 0.7100 LB/H H2O SPRAY WITH WETTING AGENT/CHEMICAL BINDER	80.00
STORAGE PILE, OPEN & LOADOUT BOX	0.49 ACRE			

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 04/15/1987

(CONTINUED) COGENTRIX OF VIRGINIA, INC.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
SAME PROCESS (CONTINUED)				
		PM	H2O SPRAY WITH CHEMICAL WETTING	95.00

NOTES -----

FUELS TO BE USED ARE COAL/DISTILLATION RESIDUE. 430922 T/YR COAL. 1566000 GAL/YR RESIDUE OIL. OFFSET FOR NITROGEN DIOXIDE REQUIRED.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 04/15/1987

APPENDIX -- DETAILED SOURCE LISTING

05/30/1990

SOURCE TYPE/SIZE EXTERNAL COMBUSTION - COAL 49.90 MM

COMPANY NAME/SITE LOCATION CORN PRODUCTS STOCKTON, CA SAN JOAQUIN COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE. PERMIT NO. SJ 85-04 DETERMINATION MADE BY EPA REGION IX (AGENCY) LINH TRAN (AGENCY CONTACT PERSON) (415)-974-7631 (PHONE) DATE OF PERMIT ISSUANCE-- 12/16/85 ESTIMATED DATE OF START-UP-- 1986

PROCESSES SUBJECT TO THIS PERMIT THROUGHPUT POLLUTANT EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION ... PCT EFF

GENERATOR, STEAM, FLUIDIZED BED 49.90 MM

S02 59.0000 LB/H, 2 H AVG LIMESTONE INJ. 42.0000 LB/H NOX 50.0000 PPM STAGED COMBUSTION & AMMONIA INJ.

60.00

90.00

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE. DATE ENTERED/UPDATED: 02/28/1986

APPENDIX -- DETAILED SOURCE LISTING

05/30/1990

SOURCE TYPE/SIZE EXTERNAL COMBUSTION - COAL

COMPANY NAME/SITE LOCATION CORN PRODUCTS , CA

DETERMINATION IS FOR A NEW SOURCE.
 PERMIT NO. SEE NOTE
 DETERMINATION MADE BY SAN JOAQUIN COUNTY APCD
 (AGENCY)

SEYED SADREDIN
 (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 10/29/85
 ESTIMATED DATE OF START-UP-- 1987
 (209)-462-8526
 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BOILER, CIR. FLUIDIZED BED	620.00 MMBTU/H	NOX	30.0000 PPMV AT 3% O2 NSCR M/INJ. RATE = 5.5 LB NH3/LB NOX STAGED COMBUSTION	
		SO2	1421.0000 LB/D LIMESTONE INJ., 1.6-1 CA/S	90.00
		CO	1842.0000 LB/D SEE NOTE EXCESS AIR & STAGED COMBUST. AUTO AIR/FUEL RATIO CONTROL	
		PM	10.0000 LB/H 8.0000 EE-3 GR/DSCF AT 12% CO2 BAGHOUSE PNEUMATIC ASH REMOVAL	
SILO, FUEL STORAGE, 2 EA	1700.00 T	PM	BAGHOUSE - MAX AIR/CLOTH RATIO = 5 TO 1	99.00
TRUCK UNLOADING	1440.00 T/D	PM	BAGHOUSE - MAX AIR/CLOTH RATIO = 5 TO 1 TOTAL ENCLOSED M/VENT TO BAGHOUSE	99.00
TRANSFER SYSTEM, COAL	120.00 T/H	PM	BAGHOUSE - MAX AIR/CLOTH RATIO = 5 TO 1 TOTAL ENCLOSED M/VENT TO BAGHOUSE	99.00

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 06/04/1986

(CONTINUED) CORN PRODUCTS

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
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SAME PROCESS (CONTINUED)

NOTES -----

CO EMIS. LIMIT-LAER SUBORDINATE TO NOX LAER, TO BE DETERMINED. NOTE - PERMIT NUMBERS AP84-190, AP84-185AB, AP84-182, AP84-184.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 06/04/1986

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ID NUMBER CA-0128A

SOURCE TYPE CODE 1.1

05/30/1990

, CA

DATE OF PERMIT ISSUANCE-- 10/29/85
ESTIMATED DATE OF START-UP-- 1987
(209)-462-8526
(PHONE)

DATE ENTERED/UPDATED: 06/04/1986

(CONTINUED) CORN PRODUCTS

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
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SAME PROCESS (CONTINUED)

NOTES -----

CO EMIS. LIMIT-LAER SUBORDINATE TO NOX LAER, TO BE DETERMINED. NOTE - PERMIT NUMBERS AP84-190, AP84-185AB, AP84-182, AP84-184.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 06/04/1986

PAGE H- 22

ID NUMBER CA-0128A

SOURCE TYPE CODE 1.1

05/30/1990

05/30/1990

COMPANY NAME/SITE LOCATION EDENSBURG POWER CO. , PA CAMBRIA COUNTY

DATE OF PERMIT ISSUANCE-- 06/06/88
ESTIMATED DATE OF START-UP--
(412)-645-7100
(PHONE)

NOTES -----
CEM FOR O2, SO2, NOX

DATE ENTERED/UPDATED: 06/01/1989

APPENDIX -- DETAILED SOURCE LISTING

05/30/1990

SOURCE TYPE/SIZE EXTERNAL COMBUSTION - COAL

COMPANY NAME/SITE LOCATION FORT DRUM HEATING PLANT FORT DRUM, NY
 JONES BLACK RIVER SERVICES

DETERMINATION IS BACT FOR A NEW SOURCE.
 PERMIT NO.
 DETERMINATION MADE BY NEW YORK STATE DEC
 (AGENCY)

JAMES HARRINGTON
 (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 04/01/87
 ESTIMATED DATE OF START-UP-- 1988
 (518)-457-2044
 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BOILER, CFB	190.00 MMBTU/H	PM	0.0500 LB/MMBTU BAGHOUSE	
		SO2	1.2000 LB/MMBTU LIMESTONE IN BED	90.00
		NOX	0.6000 LB/MMBTU COMBUSTION CONTROL	
		CO	0.2500 LB/MMBTU COMBUSTION CONTROL	

NOTES -----
 PROJECT WAS PROPOSED BEFORE NSPS SUBPART DB WAS PROMULGATED.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 06/22/1988

APPENDIX -- DETAILED SOURCE LISTING

05/30/1990

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SOURCE TYPE/SIZE          EXTERNAL COMBUSTION - COAL          400000.00 LB/H STEAM
-----
COMPANY NAME/SITE LOCATION FORT HOWARD CORP.          GREEN BAY, WI
-----
DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 88-AJH-031
DETERMINATION MADE BY WISCONSIN DNR
                        (AGENCY)
                        ALLEN HUBBARD
                        (AGENCY CONTACT PERSON)
                        DATE OF PERMIT ISSUANCE-- 09/21/88
                        ESTIMATED DATE OF START-UP-- 1989
                        (608)-266-3450
                        (PHONE)
=====

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PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BOILER, CFBC	505.00 MMBTU/H			
		PM	0.0500 LB/MMBTU BAGHOUSE	BACT
		SO2	0.7000 LB/MMBTU 90.0000 % REDUCTION LIMESTONE INJ.	BACT 90.00
		NO2	0.4900 LB/MMBTU PROPER BED OPERATION	BACT
		CO	0.2000 LB/MMBTU PROPER BED OPERATION	BACT
		VOC	2.2100 LB/H	SIP
		PB	0.0300 LB/H	SIP
		BE	9.0000 EE-4 LB/H	BACT
		HG	0.0400 LB/H	BACT
		ACI*	3.6000 LB/H	BACT
		VE	10.0000 % OPACITY, 6 MIN AVG	BACT
		FUG*	10.0000 % OPACITY COAL & ASH TRANSFER	BACT

NOTES -----

AUTHORIZED FUELS INCLUDE BITUMINOUS COAL, SUB-BITUMINOUS COAL, PETROLEUM COKE, & FOR START-UPS. NAT GAS/#2 FUEL OIL. CEMS ARE REQUIRED FOR OPACITY (6 MIN AVG), SO2, & NOX (3 H AVG).

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 12/15/1988

APPENDIX -- DETAILED SOURCE LISTING

05/30/1990

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SOURCE TYPE/SIZE	EXTERNAL COMBUSTION - COAL	25.00 MW

COMPANY NAME/SITE LOCATION	GMF POWER SYSTEMS CO.	HANFORD, CA
		KINGS COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.		DATE OF PERMIT ISSUANCE-- 01/28/87
PERMIT NO. SJ 86-08		ESTIMATED DATE OF START-UP-- 1988
DETERMINATION MADE BY EPA REGION IX	LINH TRAN	(415)-974-7631
(AGENCY)	(AGENCY CONTACT PERSON)	(PHONE)

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PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF

COMBUSTOR, ATMOSPHERIC FLUIDIZE*	274.00 MMBTU/H			
		NOX	28.0000 PPM AT 3% O2	
			STAGED COMBUSTION, AMMONIA INJ.	
		SO2	20.2000 PPM AT 3% O2	
			LIMESTONE INJ.	
		CO	200.0000 PPM AT 3% O2	
			AFBC ITSELF	

NOTES -----
LIMESTONE INJECTION AT CA/S MOLAR RATIO OF 1.6 TO 1. PM CONTROLLED BY BAGHOUSE.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 04/20/1987

05/30/1990

DATE OF PERMIT ISSUANCE-- 02/11/88
ESTIMATED DATE OF START-UP--
(415)-771-6000
(PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
COMBUSTOR, CIRCULATING FLUIDIZE*	202.00 MMBTU/H			
		NOX	360.0000 LB/D 0.0740 LB/MMBTU AMMONIA INJECTION SYSTEM	BACT
		SO2	528.0000 LB/D 0.1090 LB/MMBTU 0.05% S FUEL OIL SORBENT INJECTION SYSTEM	BACT
		PM	30.0000 LB/D 0.0050 GR/DSCF AT 12% CO2 BAGHOUSE, PULSEJET	
		CO	550.0000 LB/D 0.0900 LB/MMBTU BEST ENGINEERING PRACTICES	

NOTES -----

COMBUSTOR MAY FIRE COAL & 0.05% S FUEL OIL FOR NO MORE THAN 88 DAYS/YEAR. PM MASS EMISSION LIMIT INCLUDES PM EMISSIONS FROM OTHER SOURCES. PM LIMIT APPLIES TO THE COMBUSTOR BAGHOUSE OUTLET.

DATE ENTERED/UPDATED: 06/01/1989

APPENDIX -- DETAILED SOURCE LISTING

05/30/1990

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SOURCE TYPE/SIZE          EXTERNAL COMBUSTION - COAL          80.00 MM
-----
COMPANY NAME/SITE LOCATION J. PAGNOTTI ENTERPRISES          HAZELTON, PA
-----
DETERMINATION IS BACT FOR A NEW SOURCE.          DATE OF PERMIT ISSUANCE-- 11/01/86
PERMIT NO. 40-306-006          ESTIMATED DATE OF START-UP-- 1987
DETERMINATION MADE BY PENNSYLVANIA DER          (717)-787-4324
(AGENCY)          BILL SCHILDT          (PHONE)
(AGENCY CONTACT PERSON)
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PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BOILER, COAL FIRED	1082.00 MMBTU/H	PM	0.0300 LB/MMBTU BAGHOUSE/CYCLONE	BACT
		SO2	0.2200 LB/MMBTU LIMESTONE INJECTION	BACT
		NOX	0.4000 LB/MMBTU	BACT

NOTES -----
 CEM-VE, NOX, SO2, O2.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 06/30/1987

APPENDIX -- DETAILED SOURCE LISTING

05/30/1990

SOURCE TYPE/SIZE EXTERNAL COMBUSTION - COAL

COMPANY NAME/SITE LOCATION MOUNT POSO COGENERATION CO.

, CA

KERN COUNTY

DETERMINATION IS
PERMIT NO. SJ 86-09
DETERMINATION MADE BY EPA REGION IX
(AGENCY)

MATT HABER
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 01/12/87
ESTIMATED DATE OF START-UP-- 1989
(415)-974-8209
(PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BOILER	50.00 MW			
		NOX	0.1000 LB/MMBTU FLUID BED COMBUST, PRIMARY/SEC. AIR, AMMONIA I*	TECH 50.00
		SO2	0.0400 LB/MMBTU LIMESTONE IN BED	TECH 90.00
		CO	50.0000 LB/H	
		PM	0.0100 GR/DSCF AT 12% CO2 BAGHOUSE	
		RAD*	0.0100 GR/DSCF AT 12% CO2 BAGHOUSE	

NOTES -----

NOX MASS EMISSION LIMIT = 58.6 LB/H. SO2 MASS EMISSION LIMIT = 25.0 LB/H

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 02/19/1987

APPENDIX -- DETAILED SOURCE LISTING

05/30/1990

SOURCE TYPE/SIZE EXTERNAL COMBUSTION - COAL

COMPANY NAME/SITE LOCATION MOUNT POSO COGENERATION CO. , CA

DETERMINATION IS FOR A NEW SOURCE.

PERMIT NO. 4177005

DETERMINATION MADE BY KERN COUNTY APCD
(AGENCY)

TOM PAXSON
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE--
ESTIMATED DATE OF START-UP--
(805)-861-3682
(PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
SILO, LIME STORAGE	50.00 T	PM	0.5100 LB/D FABRIC COLLECTOR LIMITED TO TRANSFER RATE OF 50 T/D	BACT 99.80

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 03/17/1989

APPENDIX -- DETAILED SOURCE LISTING

05/30/1990

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SOURCE TYPE/SIZE          EXTERNAL COMBUSTION - COAL          90.00 MM
-----
COMPANY NAME/SITE LOCATION  NORTH BRANCH ENERGY PARTNERS LP          ROBINSON TOWNSHIP, PA          WASHINGTON COUNTY
-----
DETERMINATION IS BACT FOR A NEW SOURCE.          DATE OF PERMIT ISSUANCE-- 09/26/88
PERMIT NO. 63-306-004          ESTIMATED DATE OF START-UP-- 1991
DETERMINATION MADE BY PENNSYLVANIA BAQC          (412)-645-7129
(AGENCY)          (AGENCY CONTACT PERSON)          (PHONE)
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PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BOILER, CFB, 2 EA	563.00 MMBTU/H			
		PM	0.0300 LB/MMBTU FABRIC COLLECTOR	B/N 99.00
		PM10	0.0280 LB/MMBTU FABRIC COLLECTOR	BACT
		SO2	0.9100 LB/MMBTU, 300 ROLL AVG 90.0000 % CONTROL LIMESTONE INJ.	BACT
		NOX	0.6000 LB/MMBTU	BACT
		CO	0.1500 LB/MMBTU	BACT
		VOC	0.0200 LB/MMBTU	BACT

NOTES -----
 FUEL IS BITUMINOUS COAL WASTE - 4589 BTU/LB, 2.08 WT% S, 55.93 WT% ASH. INITIAL STACK TESTS - PM,SO2, NOX,VOC, & CO -- ALSO HG ,BE,PB,AS, & FLUORIDES. CONTINUOUS MONITORING - VE,SO2,NOX, & O2. DEPARTMENT RESERVES RIGHT TO ADD CEM FOR CO.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 06/01/1989

APPENDIX -- DETAILED SOURCE LISTING

05/30/1990

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SOURCE TYPE/SIZE	EXTERNAL COMBUSTION - COAL	140.00 MW
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COMPANY NAME/SITE LOCATION	NORTHEASTERN POWER CO.	, PA	SCHUYLKILL COUNTY
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DETERMINATION IS BACT FOR A NEW SOURCE.		DATE OF PERMIT ISSUANCE--	06/27/86
PERMIT NO. 54-306-006		ESTIMATED DATE OF START-UP--	
DETERMINATION MADE BY PENNSYLVANIA DER	BILL SCHILDT	(717)-787-9256	
(AGENCY)	(AGENCY CONTACT PERSON)	(PHONE)	

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PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
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BOILER	540.00 MMBTU/H	PM	0.0280 LB/MMBTU FABRIC FILTER	BACT
		SO2	0.3200 LB/MMBTU	BACT
		NOX	0.6000 LB/MMBTU	BACT

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 04/29/1988

05/30/1990

COMPANY NAME/SITE LOCATION	NORTHEASTERN POWER CO.	KLINE TOWNSHIP, PA	SCHUYLKILL COUNTY
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DETERMINATION IS BACK FOR A NEW SOURCE. PERMIT NO. 54-306-006 DETERMINATION MADE BY PENNSYLVANIA BAQC (AGENCY)	MIKE SAFKO (AGENCY CONTACT PERSON)	DATE OF PERMIT ISSUANCE-- 06/17/88 ESTIMATED DATE OF START-UP-- (717)-826-2531 (PHONE)
---	---------------------------------------	---

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BOILER, CFB	513.00 MMBTU/H			
		PM	0.0280 LB/MMBTU FABRIC FILTER	BACT 99.00
		SO2	0.3200 LB/MMBTU 0.5000 % S LIMESTONE INJ.	BACT
		NOX	0.6000 LB/MMBTU	B/N

NOTES -----
ANTHRACITE COAL/CULM 12700 BTU/LB. OPACITY, SO2, NOX CONTINUOUS MONITORS.

DATE ENTERED/UPDATED: 06/01/1989

APPENDIX -- DETAILED SOURCE LISTING

05/30/1990

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=====
SOURCE TYPE/SIZE      EXTERNAL COMBUSTION - COAL
-----
COMPANY NAME/SITE LOCATION  NORTHERN ENERGY GROUP                      CHATEAUGAY, NY
-----
DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 163400 0116 00001
DETERMINATION MADE BY NEW YORK STATE DEC
(AGENCY)
JAMES HARRINGTON
(AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 12/11/85
ESTIMATED DATE OF START-UP-- 1989
(518)-457-2044
(PHONE)
=====

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PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BOILER, WOOD FIRED	250.00 MMBTU/H	PM	0.0800 LB/MMBTU AT 12% CO2 ELECTRIC GRAVEL BED	BACT 94.00
		NOX	0.1700 LB/MMBTU COMBUSTION CONTROL	BACT
		CO	0.3500 LB/MMBTU COMBUSTION CONTROL	BACT
		VOC	0.1000 LB/MMBTU COMBUSTION CONTROL	BACT

NOTES -----
 CONSTRUCTION NOT COMMENCED AS OF APRIL 1985. PROJECT WAS INCREASED FROM 200 TO 250 MMBTU/H IN APRIL 1987. MODIFICATION NOT SUBJECT TO PSD, PM LIMITS DECREASED FROM 0.1 LB/MMBTU TO 0.08 LB/MMBTU.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 06/22/1988

APPENDIX -- DETAILED SOURCE LISTING

05/30/1990

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SOURCE TYPE/SIZE	EXTERNAL COMBUSTION - COAL	80.00 MW

COMPANY NAME/SITE LOCATION	PANTHER CREEK ENERGY	, PA CARBON COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.		DATE OF PERMIT ISSUANCE-- 02/17/88
PERMIT NO. 13-306-001		ESTIMATED DATE OF START-UP-- 1990
DETERMINATION MADE BY PENNSYLVANIA DER	BILL SCHILDT	(717)-787-9256
(AGENCY)	(AGENCY CONTACT PERSON)	(PHONE)

=====

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BOILER, COAL FIRED	1170.00 MMBTU/H			
		PM	0.0300 LB/MMBTU BAGHOUSE	B/N 99.00
		SO2	0.3300 LB/MMBTU	B/N 85.00
		NOX	0.4200 LB/MMBTU	BACT

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 03/31/1988

APPENDIX -- DETAILED SOURCE LISTING

05/30/1990

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SOURCE TYPE/SIZE	EXTERNAL COMBUSTION - COAL	49.90 MW

COMPANY NAME/SITE LOCATION	PYROPOWER CORP.	, CA
		KERN COUNTY

DETERMINATION IS B/L FOR A NEW SOURCE.		DATE OF PERMIT ISSUANCE-- 12/01/86
PERMIT NO. 4149001A-004		ESTIMATED DATE OF START-UP--
DETERMINATION MADE BY KERN COUNTY APCD	TOM PAXSON	(305)-361-3682
(AGENCY)	(AGENCY CONTACT PERSON)	(PHONE)

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PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF

COGENERATION UNIT, COAL FIRED	640.00 MMBTU/H			
		PM	4.7300 EE-3 GR/ACF 7.9200 LB/H	BACT
			FABRIC COLLECTOR, SEE NOTES	99.90
		SOX	0.0390 LB/MMBTU 25.0000 LB/H	LAER
			LIMESTONE INJ. AT 0.07 LB/LB COAL	96.20
		NOX	0.0920 LB/MMBTU 58.6000 LB/H	LAER
			AMMONIA INJ./STAGED COMBUSTION/SEE NOTES	53.00

NOTES -----

FABRIC COLLECTOR AIR/CLOTH RATIO = 3.8/1. STAGED COMBUSTION, 20% EXCESS AIR. LOW TEMPERATURE COMBUSTION, 1600F MAX. AMMONIA IN J. TO ACCOMPLISH 50% NOX REDUCTION.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 02/19/1987

APPENDIX -- DETAILED SOURCE LISTING

05/30/1990

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SOURCE TYPE/SIZE          EXTERNAL COMBUSTION - COAL          36.00 MM
-----
COMPANY NAME/SITE LOCATION  RIO BRAVO REFINING CO.          , CA          KERN COUNTY
-----
DETERMINATION IS BACT
PERMIT NO. SJ 85-07
DETERMINATION MADE BY EPA REGION IX
(AGENCY)          JAMES HANSON
                   (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 08/19/80
ESTIMATED DATE OF START-UP-- 1988
(415)-974-8218
(PHONE)
=====
  
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PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BOILER, FLUIDIZED BED, COAL FIR*	36.00 MM	SO2	20.0000 PPM AT 3% O2	BACT
			LIMESTONE INJ./MOLAR RATIO CA/S = 1.6/1	96.00
		NOX	78.0000 PPM AT 3% O2	BACT
			AMMONIA INJ. NH3/NOX RATIO OF 6.1/1 WEIGHT BAS*	50.00

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 02/19/1987

APPENDIX -- DETAILED SOURCE LISTING

05/30/1990

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SOURCE TYPE/SIZE	EXTERNAL COMBUSTION - COAL	36.00 MW

COMPANY NAME/SITE LOCATION	RIO BRAVO REFINING CO.	, CA

DETERMINATION IS BACT FOR A NEW SOURCE.		DATE OF PERMIT ISSUANCE-- 10/22/86
PERMIT NO. SJ 85-06		ESTIMATED DATE OF START-UP-- 1988
DETERMINATION MADE BY EPA REGION IX	JIM HANSON	(415)-974-8218
(AGENCY)	(AGENCY CONTACT PERSON)	(PHONE)

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PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF

BOILER, FLUIDIZED BED, COAL FIR*	389.00 MMBTU/H			
		SO2	20.0000 PPM AT 3% O2 14.0000 LB/H LIMESTONE INJ. AT CA/S RATIO = 1.6 TO 1	95.00
		NOX	78.0000 PPM AT 3% O2 38.9000 LB/H NH3 INJ. AT NH3/NOX RATIO = 6.1 TO 1, BY WT.	50.00
		CO	105.1000 LB/H COMBUSTION CONTROLS	

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 04/20/1987

APPENDIX -- DETAILED SOURCE LISTING

05/30/1990

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=====
SOURCE TYPE/SIZE          EXTERNAL COMBUSTION - COAL          16.50 MM
-----
COMPANY NAME/SITE LOCATION  SCE - BIOGEN POWER PROJECT          , CA
                             IVANPAH VALLEY, 3 MI. WEST OF CA-NV BOR*
-----

DETERMINATION IS          FOR A NEW SOURCE.          DATE OF PERMIT ISSUANCE-- 04/26/85
PERMIT NO. SE 85-01
DETERMINATION MADE BY EPA REGION IX          LINH TRAN          ESTIMATED DATE OF START-UP-- 1986
                             (AGENCY)          (AGENCY CONTACT PERSON)          (415)-974-7631
                                           (PHONE)
=====
  
```

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BOILER, CFBC, COAL FIRED	212.00 MMBTU/H			
		NOX	34.0000 PPM DRY, SEE NOTE 9.2000 LB/H, SEE NOTE SELECTIVE NON-CATALYTIC REDUCTION, NH3 INJ.	80.00
		SO2	23.0000 PPM DRY, SEE NOTE 9.4000 LB/H, SEE NOTE LIMESTONE INJECTION	92.00
		PM	0.0100 GR/DSCF AT 3% O2, SEE NOTE 4.5000 LB/H, SEE NOTE BAGHOUSE	99.90
		CO	150.0000 PPM DRY, SEE NOTE 25.2000 LB/H, SEE NOTE BOILER COMBUSTION CONTROLS	
		VE	10.0000 % OPACITY, MAX, SEE NOTE BAGHOUSE	

NOTES -----
 FUGITIVE EMISSIONS FROM COAL/LIMESTONE STORAGE, CONVEYING & TRANSFER POINTS, & ASH HANDLING ARE CONTROLLED BY FABRIC FILTRATIO
 N SYSTEMS & ASH STORAGE SILOS. APPROX. 99% CONTROL EFFICIENCY IS EXPECTED.
 NOTE - ALL ABOVE LIMITS ARE MEASURED ON A 3 HOUR AVERAGE.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 02/28/1986

APPENDIX -- DETAILED SOURCE LISTING

05/30/1990

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=====
SOURCE TYPE/SIZE          EXTERNAL COMBUSTION - COAL          80.00 MM
-----
COMPANY NAME/SITE LOCATION  SCRUBGRASS POWER CORP.          SCRUBGRASS TOWNSHIP, PA          VENANGO COUNTY
-----
DETERMINATION IS BACT FOR A NEW SOURCE.          DATE OF PERMIT ISSUANCE-- 01/18/89
PERMIT NO. 61-306-001          ESTIMATED DATE OF START-UP-- 1990
DETERMINATION MADE BY PENNSYLVANIA BAQC          (814)-724-8530
              (AGENCY)          WILLIAM CHARLTON          (PHONE)
              (AGENCY CONTACT PERSON)
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PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BOILER, CFB, COAL WASTE FIRED, 2	599.00 MMBTU/H			
		PM10	0.0300 LB/MMBTU FABRIC COLLECTOR	BACT
		PM	0.0300 LB/MMBTU FABRIC COLLECTOR	B/N 99.96
		SO2	0.4500 LB/MMBTU LIMESTONE INJ	BACT 95.00
		NOX	0.3000 LB/MMBTU COMBUSTION CONTROL	BACT
		CO	0.1000 LB/MMBTU	BACT
		VOC	0.0050 LB/MMBTU	BAT
		VE	10.0000 % OPACITY, 3 MIN/H 30.0000 % OPACITY, MAX	BACT

NOTES -----
 AVERGING PERIOD FOR SO2,NOX,CO, & VOC ARE ALL 1 HOUR. CONTINUOUS MONITORING FOR VE,SO2,O2, & NOX. TESTING REQUIREMENTS FOR AS,
 BE,CD,CRVI,PB,HG, & NI.
 FUEL IS BITUMINOUS COAL WASTE - 6500 BTU/LB, 3% S , 46% ASH

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 06/01/1989

05/30/1990

APPENDIX -- DETAILED SOURCE LISTING

05/30/1990

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SOURCE TYPE/SIZE	EXTERNAL COMBUSTION - COAL	40.00 MW
------------------	----------------------------	----------

COMPANY NAME/SITE LOCATION	SIGNAL FRACKVILLE ENERGY	, PA
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DETERMINATION IS BACT FOR A NEW SOURCE.

PERMIT NO. 54-306-002

DETERMINATION MADE BY PENNSYLVANIA DER
(AGENCY)BILL SCHILDT
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 12/02/85

ESTIMATED DATE OF START-UP-- 1988

(717)-787-9256
(PHONE)

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PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BOILER		PM	0.0120 LB/MMBTU BAGHOUSE	BACT 99.90
		SO2	0.2100 LB/MMBTU LIMESTONE INJ.	BACT
		NOX	0.6000 LB/MMBTU	BACT

=====

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 04/29/1988

APPENDIX -- DETAILED SOURCE LISTING

05/30/1990

SOURCE TYPE/SIZE EXTERNAL COMBUSTION - COAL

COMPANY NAME/SITE LOCATION TENNESSEE VALLEY AUTHORITY
 SHAMNEE STEAM PLANT

PADUCAH, KY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.

PERMIT NO. C-86-82

DETERMINATION MADE BY KENTUCKY DAPC
(AGENCY)JAMES DILLS
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 04/15/86

ESTIMATED DATE OF START-UP-- 1988

(502)-564-3382

(PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BOILER, AFBC, COAL FIRED	1430.00 MMBTU/H	PM	0.0300 LB/MMBTU BAGHOUSE	NSPS 99.00
		SO2	0.8600 LB/MMBTU LIMESTONE INJ. INTO FLUIDIZED BED	N/A 90.00
		NOX	0.6000 LB/MMBTU	NSPS
		CO	0.4000 LB/MMBTU	NAAQ
		VOC	NONE	
		VE	20.0000 % OPACITY	NSPS

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 02/19/1987

05/30/1990

APPENDIX -- DETAILED SOURCE LISTING

SOURCE TYPE/SIZE
EXTERNAL COMBUSTION - COAL

COMPANY NAME/SITE LOCATION
TENNESSEE VALLEY AUTHORITY
PADUCAH, KY

DATE OF PERMIT ISSUANCE-- 12/13/85
ESTIMATED DATE OF START-UP-- 1986
DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. C-85-181
DETERMINATION MADE BY KENTUCKY DAPC
JAMES DILLS
(AGENCY CONTACT PERSON)
(502)-564-3382
(PHONE)

PROCESSES SUBJECT
TO THIS PERMIT
THROUGHPUT
CAPACITY
POLLUTANT
EMISSION LIMITS
CONTROL EQUIPMENT OR PROCESS MODIFICATION ... PCT EFF

BOILER, AFBC, COAL FIRED
200.00 MBTU/H

PM 0.1000 LB/MBTU
BAGHOUSE
98.85 BACT
SO2 1.2000 LB/MBTU
LIMESTONE INJ. INTO FLUIDIZED BED
83.93 BACT
NOX 0.5600 LB/MBTU
CO NONE
VOC NONE
VE 20.0000 % OPACITY

NOTES -----
PERMIT WAS ISSUED TO INCREASE THE ANNUAL COAL USAGE RATE FROM 26400 TO 40000 TONS

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.
DATE ENTERED/UPDATED: 02/19/1987
SOURCE TYPE CODE 1.1
ID NUMBER KY-0007B
PAGE H - 46

APPENDIX -- DETAILED SOURCE LISTING

05/30/1990

SOURCE TYPE/SIZE EXTERNAL COMBUSTION - COAL

COMPANY NAME/SITE LOCATION TENNESSEE VALLEY AUTHORITY
 SHAWNEE STEAM PLANT

PADUCAH, KY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. C 88-040
DETERMINATION MADE BY KENTUCKY DAQ
 (AGENCY)

JAMES DILLS
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 05/04/88
ESTIMATED DATE OF START-UP-- 1988
(502)-564-3382
 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BOILER, AFBC, COAL FIRED	1579.00 MMBTU/H	PM	0.0300 LB/MMBTU BAGHOUSE	B/N 99.00
		SO2	1.2000 LB/MMBTU LIMESTONE INJ., FLUIDIZED BED	NAB 90.00
		NOX	0.6000 LB/MMBTU	B/N
		CO	0.4000 LB/MMBTU	NAAQ
		VE	20.0000 % OPACITY	NSPS

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 06/22/1988

APPENDIX -- DETAILED SOURCE LISTING

05/30/1990

SOURCE TYPE/SIZE
EXTERNAL COMBUSTION - COAL

COMPANY NAME/SITE LOCATION
TULTEX CORP.
MARTINSVILLE, VA

DETERMINATION IS BACK FOR A NEW SOURCE.

PERMIT NO. 30244
DETERMINATION MADE BY VIRGINIA APCB
(AGENCY)
KATHERINE MILLER
(AGENCY CONTACT PERSON)
ESTIMATED DATE OF START-UP-- 1987
DATE OF PERMIT ISSUANCE-- 12/18/86
(804)-786-1433
(PHONE)

PROCESSES SUBJECT TO THIS PERMIT
THROUGHPUT
CAPACITY
EMITTED
POLLUTANT
EMISSION LIMITS
CONTROL EQUIPMENT OR PROCESS MODIFICATION ... PCT EFF
... & BASIS

BOILER, COAL FIRED, HEINE, 2 12.00 MMBTU/H

PM 0.4300 MMBTU/H
5.2000 LB/H EA
SETTLING CHAMBER
SO2 1.0300 LB/MMBTU
12.3900 LB/H EA
0.9% SULFUR IN COAL BY WT.
VOC 0.5800 LB/H EA
4.5500 T/YR TOTAL
NO2 0.3500 LB/MMBTU
4.2200 LB/H EA
CO 4.8800 LB/H EA
38.5000 T/YR TOTAL

BOILER, OIL FIRED, CLEAVER-BROOK* 93.50 MMBTU/H

PM 1.3300 LB/H
3.5000 T/YR
SO2 0.5100 LB/MMBTU
47.3400 LB/H
0.5% SULFUR IN OIL BY WT.
VOC 0.2600 LB/H
1.1400 T/YR
NO2 0.1400 LB/MMBTU
13.3300 LB/H
3.3300 LB/H
CO 8.7500 T/YR

DATE ENTERED/UPDATED: 02/19/1987

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

ID NUMBER VA-0044

SOURCE TYPE CODE 1.1

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(CONTINUED) TULTEX CORP.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
DRYER, NAT GAS FIRED, 12	3.00 MMBTU/H	NO2	3.6000 LB/H 5.7700 T/YR	
		CO	0.7200 LB/H 3.1500 T/YR	

NOTES -----

NOTE 1-CONSTRUCTION OF A #2 OIL FIRED BOILER, NAT GAS FIRED DRYERS & DYEING EQUIP. NOTE 2-THE 93.3 MMBTU/H OIL FIRED BOILER & OTHER OIL FIRED UNITS COMBINED SHALL CONSUME NO MORE THAN 3.5 MMGAL/YR OF #2 FUEL OIL. NOTE 3-THE EXISTING 12 MMBTU/H BOILERS (HEINE) SHALL CONSUME NO MORE THAN 7000 T/YR OF COAL. NOTE 4-NO MORE THAN 2 OF THE 3 HEINE BOILERS, COAL FIRED, SHALL BE OPERATED AT ANY ONE TIME.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 02/19/1987

APPENDIX -- DETAILED SOURCE LISTING

05/30/1990

SOURCE TYPE/SIZE EXTERNAL COMBUSTION - COAL

COMPANY NAME/SITE LOCATION UNION CAMP

FRANKLIN, VA

ISLE OF WIGHT COUNTY

DETERMINATION IS B/P FOR A MODIFIED SOURCE.

PERMIT NO. 60214

DETERMINATION MADE BY VIRGINIA APCB
(AGENCY)KATHERINE MILLER
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 07/01/85

ESTIMATED DATE OF START-UP-- 1985

(804)-786-1433

(PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BOILER, COAL FIRED	245.00 MMBTU/H	PM	53.6600 T/YR ESP & MULTICYCLONE	99.00
		SO2	1606.0000 T/YR 1% SULFUR CONTENT	
		NOX	643.8600 T/YR ENGINEERING DESIGN	

NOTES -----

NOTE 1 - THE NEW 245 MMBTU/H COAL FIRED BOILER REPLACED TWO EXISTING OIL FIRED POWER BOILERS. NOTE 2 - PM EMISSIONS FROM COAL & ASH HANDLING SYSTEMS WILL BE CONTROLLED BY WET SUPPRESSION. NOTE 3 - PERFORMANCE TESTING REQUIRED.
NOTE #4 - PSD SOURCE.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 04/15/1987

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ID NUMBER VA-0033

SOURCE TYPE CODE 1.1

APPENDIX -- DETAILED SOURCE LISTING

05/30/1990

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SOURCE TYPE/SIZE          EXTERNAL COMBUSTION - COAL          577.00 MMBTU/H
-----
COMPANY NAME/SITE LOCATION  UNITED DEVELOPMENT GROUP - NIAGARA INC.      NIAGARA FALLS, NY      NIAGARA COUNTY
                           5400 FRONTIER AVE.
-----
DETERMINATION IS  B/L FOR A NEW SOURCE.          DATE OF PERMIT ISSUANCE-- 09/25/88
PERMIT NO.                                           ESTIMATED DATE OF START-UP--
DETERMINATION MADE BY NEW YORK STATE DEC          (518)-457-2044
                           (AGENCY)              (PHONE)
                           JAMES HARRINGTON
                           (AGENCY CONTACT PERSON)
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PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BOILER, FLUIDIZED BED, COAL FIR*	577.00 MMBTU/H			
		NOX	0.5000 LB/MMBTU COMBUSTION CONTROL	BACT 65.00
		SO2	0.5000 LB/MMBTU 3% SULFUR IN COAL LIMESTONE INJECTION	BACT 90.00
		CO	0.2000 LB/MMBTU COMBUSTION CONTROL	BACT
		PM	0.0220 LB/MMBTU PULSE JET BAGHOUSE	LAER 99.80
		PM10	0.0220 LB/MMBTU PULSE JET BAGHOUSE	BACT

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 04/24/1989

APPENDIX -- DETAILED SOURCE LISTING

05/30/1990

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SOURCE TYPE/SIZE	EXTERNAL COMBUSTION - COAL	400.00 MW

COMPANY NAME/SITE LOCATION	UTAH POWER & LIGHT CO.	CASTLEDALE, UT

DETERMINATION IS PERMIT NO.		DATE OF PERMIT ISSUANCE-- 10/01/86
DETERMINATION MADE BY UTAH BAQ	L. MENLOVE	ESTIMATED DATE OF START-UP-- 1986
(AGENCY)	(AGENCY CONTACT PERSON)	(801)-538-6108
		(PHONE)

=====

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF

BOILER, HUNTER UNIT #2	400.00 MW	NOX	0.4900 LB/MMBTU LOW NOX BURN	BACT 35.00
		SO2	1.2000 LB/MMBTU	NSPS 80.00
		PM	0.1000 LB/MMBTU ESP	NSPS 99.00

NOTES -----
NOX CONTROL=LOW NOX CONCENTRIX FIRING SYSTEM. LNCFS.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 11/02/1987

APPENDIX -- DETAILED SOURCE LISTING

05/30/1990

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SOURCE TYPE/SIZE	EXTERNAL COMBUSTION - COAL	30.00 MM

COMPANY NAME/SITE LOCATION	WESTWOOD ENERGY PROPERTIES	, PA SCHUYLKILL COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE. PERMIT NO. 54-306-004 DETERMINATION MADE BY PENNSYLVANIA DER (AGENCY)	BILL SCHILDT (AGENCY CONTACT PERSON)	DATE OF PERMIT ISSUANCE-- 01/06/86 ESTIMATED DATE OF START-UP-- 1987 (717)-787-9256 (PHONE)

=====

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF

BOILER	425.00 MMBTU/H	PM	0.0300 LB/MMBTU FABRIC FILTER	B/N 99.92
		SO2	0.2000 LB/MMBTU LIMESTONE INJ.	BACT 93.60
		NOX	0.6000 LB/MMBTU	BACT

NOTES -----
FUEL - ANTHRACITE COAL. 0.54% SULFUR, 3830 BTU/LB

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 04/29/1988

APPENDIX -- DETAILED SOURCE LISTING

05/30/1990

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SOURCE TYPE/SIZE          EXTERNAL COMBUSTION - COAL          1500.00 MM
-----
COMPANY NAME/SITE LOCATION WHITE PINE POWER PROJECT          ELY, NV
                           48 MILES NORTH OF ELY          WHITE PINE COUNTY
-----
DETERMINATION IS BACT FOR A NEW SOURCE.          DATE OF PERMIT ISSUANCE-- 08/06/85
PERMIT NO. 996 THRU 1007          ESTIMATED DATE OF START-UP-- 1987
DETERMINATION MADE BY NEVADA DEP          (702)-885-4670
                           (AGENCY)          (AGENCY CONTACT PERSON)          (PHONE)
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PROCESSES SUBJECT          THROUGHPUT          POLLUTANT          EMISSION LIMITS          ... & BASIS
TO THIS PERMIT          CAPACITY          EMITTED          CONTROL EQUIPMENT OR PROCESS MODIFICATION          ... PCT EFF
-----
BOILER, 2 EA          750.00 MM
                           PM          0.0200 LB/MMBTU          BACT
                           160.9000 LB/H
                           BAGHOUSE          99.60
                           VE          20.0000 % OPACITY
                           SO2          0.1900 LB/MMBTU          BACT
                           1490.0000 LB/H
                           FGD          84.00
                           LIME SPRAY ADSORPTION/DRYING
                           CO          383.0000 LB/H          NAAQ
                           PROPER BOILER OPERATION
                           F          24.0000 LB/H          NAAQ
                           PROPER BOILER OPERATION
                           H2S*          35.6000 LB/H          NAAQ
                           PROPER BOILER OPERATION
                           NOX          0.5500 LB/MMBTU, BIT. COAL          NAAQ
                           0.4500 LB/MMBTU, SUB. COAL
                           PROPER BOILER DESIGN & COMBUSTION TECHNIQUES
                           HG          0.0500 LB/H          NAAQ
                           0.0060 G/SEC
                           PROPER BOILER OPERATION
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NOTES -----
 SO2 - 30 DAY ROLLING AVERAGE

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 11/25/1985

APPENDIX -- DETAILED SOURCE LISTING

05/30/1990

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=====
SOURCE TYPE/SIZE          EXTERNAL COMBUSTION - COAL          80.00 MM
-----
COMPANY NAME/SITE LOCATION WISCONSIN ELECTRIC POWER CO.          PORT WASHINGTON, WI
                           PORT WASHINGTON POWER PLANT
-----
DETERMINATION IS          DATE OF PERMIT ISSUANCE--
PERMIT NO. 85-AJH-049     ESTIMATED DATE OF START-UP--
DETERMINATION MADE BY WISCONSIN DNR          (608)-266-3450
                           (AGENCY)          (PHONE)
                           ALLEN HUBBARD
                           (AGENCY CONTACT PERSON)
=====
  
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PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BOILER, PFBC	825.00 MMBTU/H			
		PM	0.0200 LB/MMBTU ESP	BACT
		SO2	1.2000 LB/MMBTU 90.0000 % REDUCTION DOLOMITE INJECTION	NSPS 90.00
		NOX	0.5000 LB/MMBTU PROPER COMBUSTION.	BACT
		CO	0.0900 LB/MMBTU PROPER COMBUSTION	BACT
		PB	1.9000 EE-4 LB/MMBTU ESP	BACT
		BE	6.5000 EE-6 LB/MMBTU ESP	BACT
		F	0.0072 LB/MMBTU ESP	BACT
		HG	1.0000 UG/CUBIC METER, 300 AVG	SIP
		VE	10.0000 % OPACITY ESP	BACT
		FUG*	20.0000 % OPACITY	BACT

NOTES -----

WISCONSIN ELECTRIC REQUESTED THAT THE PERMIT BE HELD IN ABEYANCE INDEFINITELY. THE PERMIT WAS COMPLETED, BUT NOT ISSUED. HOWEVER, PSD PM BASELINE WAS SET & EIGHT BACT DETERMINATIONS WERE MADE. THE PROPOSED PRECIPITATOR WAS A SPECIAL HIGH TEMPERATURE , HIGH PRESSURE UNIT.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 04/29/1988

APPENDIX -- DETAILED SOURCE LISTING

05/30/1990

=====

SOURCE TYPE/SIZE	EXTERNAL COMBUSTION - COAL	11968.00 MMBTU/H

COMPANY NAME/SITE LOCATION	WM. H. ZIMMER GENERATING STATION	MOSCON, OH CLERMONT COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE. PERMIT NO. 14-1036 DETERMINATION MADE BY SOUTHWESTERN OHIO APCA (AGENCY)	THOMAS TUCKER (AGENCY CONTACT PERSON)	DATE OF PERMIT ISSUANCE-- 02/05/87 ESTIMATED DATE OF START-UP-- 1991 (513)-251-8777 (PHONE)

=====

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF

BOILER, COAL FIRED	11968.00 MMBTU/H	PM	0.0250 LB/MMBTU ESP	BACT 99.50
		VE	20.0000 % OPACITY ESP	NSPS
		SO2	0.5480 LB/MMBTU MAGNESIUM-ENHANCED LIME FGD	BACT 91.00
		NOX	0.6000 LB/MMBTU LOW NOX BURNERS	NSPS 35.00

NOTES -----
NOX EFFICIENCY ESTIMATED.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 06/22/1988

APPENDIX -- DETAILED SOURCE LISTING

05/30/1990

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SOURCE TYPE/SIZE          EXTERNAL COMBUSTION - OIL
-----
COMPANY NAME/SITE LOCATION  BERRY HOLDING CO.                      , CA
-----

DETERMINATION IS          FOR A MODIFIED SOURCE.
PERMIT NO. SEE NOTE
DETERMINATION MADE BY KERN COUNTY APCD
                        (AGENCY)
                        TOM PAXSON
                        (AGENCY CONTACT PERSON)
                        DATE OF PERMIT ISSUANCE-- 10/02/85
                        ESTIMATED DATE OF START-UP--
                        (805)-861-3682
                        (PHONE)
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PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
GENERATOR, STEAM	31.50 MMBTU/H	NOX	0.2000 LB/MMBTU 6.2600 LB/H LOW NOX BURNER FLUE GAS RECIRCULATION	BACT 61.80
GENERATOR, STEAM	31.50 MMBTU/H	NOX	0.2000 LB/MMBTU 6.2600 LB/H LOW NOX BURNERS FLUE GAS RECIRCULATION	BACT 61.80
		SO2	2.2400 LB/H 0.0460 LB/MMBTU CAUSTIC SOX SCRUBBER, PACKED TOWER	BACT 95.00
GENERATOR, STEAM, OIL FIRED	62.50 MMBTU/H	NOX	7.5000 LB/H LOW NOX BURNERS FLUE GAS RECIRCULATION	BACT 70.00
GENERATOR, STEAM, OIL FIRED	62.50 MMBTU/H	NOX	7.5000 LB/H LOW NOX BURNERS FLUE GAS RECIRCULATION	BACT 70.00
		SO2	4.4500 LB/H CAUSTIC SOX SCRUBBER, PACKED TOWER	BACT 95.00

NOTES -----
 PERMIT NUMBERS 4016014A, 4016015B, 4016015A, 4016022, 4016023.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 06/04/1986

APPENDIX -- DETAILED SOURCE LISTING

05/30/1990

SOURCE TYPE/SIZE EXTERNAL COMBUSTION - OIL

COMPANY NAME/SITE LOCATION EXETER ENERGY LIMITED PARTNERS
STERLING INDUSTRIAL PARK

STERLING, CT

DETERMINATION IS BACT FOR A NEW SOURCE.

PERMIT NO. 176-0004

DETERMINATION MADE BY CONNECTICUT DEP
(AGENCY)SUSAN AMARELLO
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 08/28/89

ESTIMATED DATE OF START-UP-- 1991

(203)-566-8230

(PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
GENERATOR, DIESEL FIRED	11.20 MMBTU/H	PM	0.2460 LB/MMBTU MAX OPERATING HRS - 400 H/YR	
		SOX	0.2290 LB/MMBTU	
		NOX	3.4340 LB/MMBTU	
		VOC	0.2350 LB/MMBTU	
		CO	0.7460 LB/MMBTU	
		PB	3.0700 E-6 LB/MMBTU	

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 04/30/1990

APPENDIX -- DETAILED SOURCE LISTING

05/30/1990

SOURCE TYPE/SIZE

EXTERNAL COMBUSTION - OIL

COMPANY NAME/SITE LOCATION

EXETER ENERGY LIMITED PARTNERSHIP
STERLING INDUSTRIAL PARK

STERLING, CT

DETERMINATION IS BACT FOR A NEW SOURCE.

PERMIT NO. 176-0004
DETERMINATION MADE BY CONNECTICUT DEP

SUSAN AMARELLO
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 08/28/89
ESTIMATED DATE OF START-UP-- 1991
(203)-566-8230
(PHONE)

PROCESSES SUBJECT TO THIS PERMIT
THROUGHPUT CAPACITY
POLLUTANT EMISSIONS
EMISSION LIMITS
CONTROL EQUIPMENT OR PROCESS MODIFICATION ... PCT EFF

GENERATOR, DIESEL FIRED

11.20 MMBTU/H

PM 0.2460 LB/MMBTU
SO2 0.2290 LB/MMBTU
NOX 3.4340 LB/MMBTU
VOC 0.2350 LB/MMBTU
CO 0.7460 LB/MMBTU
PB 3.0700 E-6 LB/MMBTU

NOTES -----
MAXIMUM OPERATING HOURS - 400 H/YR.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 04/30/1990

ID NUMBER CT-0074

SOURCE TYPE CODE 1.2

APPENDIX -- DETAILED SOURCE LISTING

05/30/1990

SOURCE TYPE/SIZE

EXTERNAL COMBUSTION - OIL

COMPANY NAME/SITE LOCATION GEORGIA PACIFIC

FRANKLIN, OH

WARREN COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.

PERMIT NO. 14-1315

DETERMINATION MADE BY SOUTHWESTERN OHIO APCA
(AGENCY)LAWRENCE HARRELL
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 11/12/87

ESTIMATED DATE OF START-UP-- 1987

(513)-251-8777

(PHONE)

PROCESSES SUBJECT
TO THIS PERMITTHROUGHPUT
CAPACITYPOLLUTANT
EMITTED

EMISSION LIMITS

CONTROL EQUIPMENT OR PROCESS MODIFICATION

... & BASIS

... PCT EFF

MATL HANDLING & HEATER

25.00 T/H

PM

0.0300 GR/DSCF

BAGHOUSE

BACT

VE

1.0000 % OPACITY

99.60

NSPS

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 06/22/1988

APPENDIX -- DETAILED SOURCE LISTING

05/30/1990

SOURCE TYPE/SIZE EXTERNAL COMBUSTION - OIL 208.00 MMBTU/H

COMPANY NAME/SITE LOCATION GEORGIA-PACIFIC CORP. FRANKLIN, OH WARREN COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.

PERMIT NO. 14-1043

DETERMINATION MADE BY SOUTHWEST OHIO APCA

(AGENCY)

(AGENCY CONTACT PERSON)

(PHONE)

DATE OF PERMIT ISSUANCE--

ESTIMATED DATE OF START-UP-- 1986

... & BASIS ... PCT EFF

PROCESSES SUBJECT TO THIS PERMIT

THROUGHPUT CAPACITY

EMITTED

EMISSION LIMITS

CONTROL EQUIPMENT OR PROCESS MODIFICATION

BOILER, #6 OIL FIRED 118.00 MMBTU/H

PM 0.0900 LB/MMBTU

SO2 1.0600 LB/MMBTU

NOX 0.3000 LB/MMBTU

LOW EXCESS AIR COMBUSTION

BACT

BACT

BACT

DATE ENTERED/UPDATED: 05/15/1987

APPENDIX -- DETAILED SOURCE LISTING

05/30/1990

=====

SOURCE TYPE/SIZE	EXTERNAL COMBUSTION - OIL	198.00 MMBTU/H

COMPANY NAME/SITE LOCATION	GMC-CPC HAMILTON-FAIRFIELD	FAIRFIELD, OH
		BUTLER COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.		DATE OF PERMIT ISSUANCE-- 12/31/86
PERMIT NO. 14-1074		ESTIMATED DATE OF START-UP-- 1986
DETERMINATION MADE BY SOUTHWEST OHIO APCA	LAWRENCE HARRELL	(513)-251-8777
(AGENCY)	(AGENCY CONTACT PERSON)	(PHONE)

=====

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF

BOILER, WASTE OIL FIRED	27.00 MMBTU/H	AS	SEE NOTES	BACT
			WASTE OIL SPECS	
		CD	SEE NOTES	BACT
		CR	SEE NOTES	BACT
		PB	SEE NOTES	BACT
		SO2	1.1000 LB/MMBTU	BACT
			LIMIT SULFUR CONTENT OF FUEL	

NOTES -----

SPECS FOR WASTE OIL - ARSENIC 5 PPM MAX., CR 10 PPM MAX., CD 2 PPM MAX., PB 100 PPM MAX., FLASH POINT 100 F MIN., TOTAL HALOGENS 4000 PPM.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 05/15/1987

APPENDIX -- DETAILED SOURCE LISTING

05/30/1990

SOURCE TYPE/SIZE EXTERNAL COMBUSTION - OIL

COMPANY NAME/SITE LOCATION NORTHEAST UTILITIES, MNECO WATERFORD, CT
 ROPE FERRY RD

DETERMINATION IS BACT FOR A MODIFIED SOURCE.

PERMIT NO. 199-0001

DETERMINATION MADE BY CONNECTICUT DEP
 (AGENCY)

SUSAN AMARELLO
 (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 09/23/88

ESTIMATED DATE OF START-UP-- 1975

(203)-566-8230
 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
GENERATOR, DIESEL FIRED	28.30 MMBTU/H	PM	0.2000 LB/MMBTU	
		SOX	0.2200 LB/MMBTU	
		NOX	3.2600 LB/MMBTU	
		VOC	0.2200 LB/MMBTU	
		CO	0.7100 LB/MMBTU	
		PB	2.9000 E-6 LB/MMBTU	

NOTES -----

0.5% SULFUR CONTENT #2 OIL & MAXIMUM OPERATING HOURS OF 867 PER YEAR.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 04/30/1990

APPENDIX -- DETAILED SOURCE LISTING

05/30/1990

=====

SOURCE TYPE/SIZE	EXTERNAL COMBUSTION - OIL	30.90 MMBTU/H
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COMPANY NAME/SITE LOCATION	OWENS-ILLINOIS INC. LIBBY GLASS DIVISION	TOLEDO, OH
----------------------------	---	------------

DETERMINATION IS BACT FOR A NEW SOURCE.

PERMIT NO. 04-367

DETERMINATION MADE BY TOLEDO ENVIRONMENTAL SERVICES
(AGENCY)DALE KRYGIELSKI
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 11/26/86

ESTIMATED DATE OF START-UP-- 1986

(419)-693-0350

(PHONE)

=====

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BOILER, OIL FIRED, 3 EA	10.30 MMBTU/H	PM	0.0200 LB/MMBTU NAT GAS/#2 OIL FIRING	SIP
		SO2	0.5200 LB/MMBTU NAT GAS/#2 OIL FIRING	SIP
		NOX	0.1450 LB/MMBTU NAT GAS/#2 OIL FIRING	SIP
		CO	0.0400 LB/MMBTU NAT GAS/#2 OIL FIRING	SIP
		VOC	0.0030 LB/MMBTU NAT GAS/#2 OIL FIRING	SIP

=====

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 11/02/1987

APPENDIX -- DETAILED SOURCE LISTING

05/30/1990

=====

SOURCE TYPE/SIZE	EXTERNAL COMBUSTION - OIL	250.00 MMBTU/H

COMPANY NAME/SITE LOCATION	PETRO-LEWIS CORP. SOUTH BELBRIDGE OIL FIELD	, CA KERN COUNTY

DETERMINATION IS B/L FOR A NEW SOURCE. PERMIT NO. SJ 83-09 DETERMINATION MADE BY EPA REGION IX (AGENCY)	LINH TRAN (AGENCY CONTACT PERSON)	DATE OF PERMIT ISSUANCE-- 08/07/84 ESTIMATED DATE OF START-UP-- 1985 (415)-974-7631 (PHONE)

=====

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF

BOILER, 5, EA	50.00 MMBTU/H	NOX	0.1200 LB/MMBTU LO-NOX BURNERS	LAER 70.00
		SO2	0.0520 LB/MMBTU 2-STAGE VENTURI-EDUCTOR SCRUBBERS	BACT 95.00

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 05/10/1986

APPENDIX -- DETAILED SOURCE LISTING

05/30/1990

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=====
SOURCE TYPE/SIZE      EXTERNAL COMBUSTION - OIL      62.50 MMBTU/H
-----
COMPANY NAME/SITE LOCATION  UNICAL      , CA      KERN COUNTY
-----

DETERMINATION IS      DATE OF PERMIT ISSUANCE-- 12/27/85
PERMIT NO. 4051033E    ESTIMATED DATE OF START-UP-- 1985
DETERMINATION MADE BY KERN COUNTY APCD      TOM PAXSON      (805)-861-3682
(AGENCY)      (AGENCY CONTACT PERSON)      (PHONE)
=====
  
```

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
GENERATOR, STEAM, OIL FIRED	62.50 MMBTU/H	SUL*	54.6800 LB/D FLUE GAS SCRUBBER	BACT 30.00

NOTES -----
OPERATES 24 H/D, 365 D/YR. THIS WAS A REVISED SO4 EMISSION LIMIT.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 02/28/1986

APPENDIX -- DETAILED SOURCE LISTING

05/30/1990

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=====
SOURCE TYPE/SIZE          EXTERNAL COMBUSTION - OIL          0.15 MMBTU/H
-----
COMPANY NAME/SITE LOCATION  VIRGINIA DEPT. OF TRANSPORTATION          , VA          LOUISA COUNTY
                           CUCKOO AREA HEADQUARTERS
-----
DETERMINATION IS BACT FOR A NEW SOURCE.          DATE OF PERMIT ISSUANCE-- 10/13/87
PERMIT NO. (3)40757          ESTIMATED DATE OF START-UP-- 1987
DETERMINATION MADE BY VIRGINIA SAPCB          (804)-786-4867
                           (AGENCY)          (PHONE)
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PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
HEATER, SPACE	0.15 MMBTU/H	PCB	49.0000 PPM, MAX TESTING	
		AS	5.0000 PPM, MAX TESTING	
		CD	2.0000 PPM, MAX TESTING	
		CR	10.0000 PPM, MAX TESTING	
		HAL*	1000.0000 PPM, MAX TESTING	
		FLA*	100.0000 DEG. F TESTING	
		PB	100.0000 PPM, MAX TESTING	

NOTES -----

CONSTRUCTION OF A USED OIL BURNING SPACE HEATER. SOURCE PERMITTED BECAUSE OF NON-CRITERIA POLLUTANTS ARSENIC, CADMIUM, & CHROMIUM. ANNUAL TESTING TO VERIFY CONCENTRATION LEVELS.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 12/23/1987

APPENDIX -- DETAILED SOURCE LISTING

05/30/1990

=====

SOURCE TYPE/SIZE	EXTERNAL COMBUSTION - OIL	0.15 MMBTU/H

COMPANY NAME/SITE LOCATION	VIRGINIA DEPT. OF TRANSPORTATION ZION CROSSROADS AREA	, VA LOUISA COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE. PERMIT NO. (3)40756 DETERMINATION MADE BY VIRGINIA SAPCB (AGENCY)	KATHERINE MILLER (AGENCY CONTACT PERSON)	DATE OF PERMIT ISSUANCE-- 10/13/87 ESTIMATED DATE OF START-UP-- 1987 (804)-786-4867 (PHONE)

=====

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF

HEATER, SPACE	0.15 MMBTU/H	PCB	49.0000 PPM, MAX TESTING	
		AS	5.0000 PPM, MAX TESTING	
		CD	2.0000 PPM, MAX TESTING	
		CR	10.0000 PPM, MAX TESTING	
		HAL*	1000.0000 PPM, MAX TESTING	
		FLA*	100.0000 DEG. F TESTING	
		PB	100.0000 PPM, MAX TESTING	

NOTES -----
CONSTRUCTION OF A USED OIL BURNING SPACE HEATER. SOURCE PERMITTED BECAUSE OF NON-CRITERIA POLLUTANTS ARSENIC, CADMIUM, & CHROMIUM.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 12/23/1987

APPENDIX -- DETAILED SOURCE LISTING

05/30/1990

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=====
SOURCE TYPE/SIZE          EXTERNAL COMBUSTION - OIL
-----
COMPANY NAME/SITE LOCATION  WISCONSIN TISSUE MILLS, INC.          MONASKA, WI
                             TAYCO & THIRD ST
                             -----
DETERMINATION IS          DATE OF PERMIT ISSUANCE-- 10/10/88
PERMIT NO. 88-DLJ-024     ESTIMATED DATE OF START-UP-- 1989
DETERMINATION MADE BY WISCONSIN DNR          DANIEL JOHNSTON
                             (AGENCY)         (AGENCY CONTACT PERSON)
                                           (608)-267-9500
                                           (PHONE)
=====
  
```

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BOILER, 2 TOTAL	146.40 MMBTU/H			
		PM	0.0900 LB/MMBTU 1% S, #6 OIL	BACT
		SO2	1.1000 LB/MMBTU 1% S, #6 OIL	BACT
		NOX	0.3800 LB/MMBTU LOW EXCESS AIR	BACT
		BE	1% S, #6 OIL	BACT

NOTES -----
TWO BOILERS HAVE A COMMON STACK.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 12/15/1988

APPENDIX -- DETAILED SOURCE LISTING

05/30/1990

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SOURCE TYPE/SIZE	EXTERNAL COMBUSTION - NATURAL GAS	78.00 MMBTU/H
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COMPANY NAME/SITE LOCATION	ARKANSAS EASTMAN CO.	BATESVILLE, AR
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DETERMINATION IS	FOR A NEW SOURCE.	DATE OF PERMIT ISSUANCE-- 07/14/87
PERMIT NO. 829-A		ESTIMATED DATE OF START-UP-- 1987
DETERMINATION MADE BY ARKANSAS DPC	SUSAN LOHR	(501)-562-7444
(AGENCY)	(AGENCY CONTACT PERSON)	(PHONE)

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PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
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BOILER, #4	78.00 MMBTU/H	PM	0.4000 LB/H NO CONTROLS	AP42
		SO2	1.2000 LB/H MAX SULFUR LIMIT	
		NOX	13.3000 LB/H	AP42
		VOC	0.3000 LB/H	AP42
		CO	2.9000 LB/H	

NOTES -----
BOILER IS FIRED WITH NATURAL GAS.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 08/10/1987

APPENDIX -- DETAILED SOURCE LISTING

05/30/1990

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=====
SOURCE TYPE/SIZE      EXTERNAL COMBUSTION - NATURAL GAS      28.00 MW
-----
COMPANY NAME/SITE LOCATION  CALCOGEN                                SAN LUIS OBISPO, CA
                           CAL POLYTECHNIC INSTITUTE
-----
DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. SCC 83-01
DETERMINATION MADE BY EPA REGION IX      LINH TRAN
                           (AGENCY)      (AGENCY CONTACT PERSON)
                                           DATE OF PERMIT ISSUANCE-- 04/26/84
                                           ESTIMATED DATE OF START-UP-- 1986
                                           (415)-974-7631
                                           (PHONE)
=====
  
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=====
PROCESSES SUBJECT      THROUGHPUT      POLLUTANT      EMISSION LIMITS      ... & BASIS
TO THIS PERMIT          CAPACITY        EMITTED        CONTROL EQUIPMENT OR PROCESS MODIFICATION ... PCT EFF
-----
TURBINE, GAS            21.40 MW
                           NOX      42.0000 PPM AT 15% O2
                                           WATER INJECTION
                                           76.00
  
```

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 05/10/1986

APPENDIX -- -- DETAILED SOURCE LISTING

05/30/1990

SOURCE TYPE/SIZE EXTERNAL COMBUSTION - NATURAL GAS

COMPANY NAME/SITE LOCATION CHEVRON USA, INC. , CA

DETERMINATION IS FOR A NEW SOURCE. DATE OF PERMIT ISSUANCE-- 09/04/87 ESTIMATED DATE OF START-UP-- 1989 PERMIT NO. 30331 DETERMINATION MADE BY BAY AREA AQMD (AGENCY) E. LINDER (AGENCY CONTACT PERSON) (415)-771-6000 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT THROUGHPUT CAPACITY POLLUTANT EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION ... PCT EFF

TURBINE & DUCT BURNER, 2 OF EACH 99.00 MM TOTAL NOX 1500.0000 LB/D 10.0000 PPMVD AT 15% O2 SELECTIVE CATALYTIC REDUCTION STEAM INJ. BACT

NOTES ----- APPLICANT WILL USE ALL ELECTRICITY GENERATED ON SITE.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE. DATE ENTERED/UPDATED: 06/01/1989

APPENDIX -- DETAILED SOURCE LISTING

05/30/1990

=====

SOURCE TYPE/SIZE	EXTERNAL COMBUSTION - NATURAL GAS		

COMPANY NAME/SITE LOCATION	DOUGLAS AIRCRAFT CO. , CA		

DETERMINATION IS BACT FOR A NEW SOURCE.			DATE OF PERMIT ISSUANCE-- 04/23/87
PERMIT NO. 144594 THRU 96			ESTIMATED DATE OF START-UP-- 1987
DETERMINATION MADE BY SOUTH COAST AQMD	TRAN VD	(818)-572-6126	
(AGENCY)	(AGENCY CONTACT PERSON)	(PHONE)	

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PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF

BOILER, 3 EA	33.50 MMBTU/H	NOX	68.0000 LB/D TOTAL 35.0000 PPMVD AT 3% O2 FLUE GAS RECIR. & OXYGEN TRIM	BACT

NOTES -----
ONLY TWO BOILERS ALLOWED AT MAXIMUM CAPACITY AT ANY GIVEN TIME.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 06/02/1988

APPENDIX -- DETAILED SOURCE LISTING

05/30/1990

SOURCE TYPE/SIZE EXTERNAL COMBUSTION - NATURAL GAS 80.70 MMBTU/H

COMPANY NAME/SITE LOCATION DOW CHEMICAL CO. MIDLAND, MI

DETERMINATION IS PERMIT NO. 582-88A DETERMINATION MADE BY MICHIGAN DNR, AGD
 RANDAL TELESZ (AGENCY CONTACT PERSON)
 (517)-373-7023 (PHONE)
 DATE OF PERMIT ISSUANCE-- 02/21/89
 ESTIMATED DATE OF START-UP-- 1989

PROCESSES SUBJECT TO THIS PERMIT THROUGHPUT POLLUTANT EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION ... PCT EFF

BOILER, 2 EA 40.35 MMBTU/H NOX 0.0700 LB/MMBTU
 FLUE GAS RECIRCULATION
 LOW EXCESS AIR/STAGED COMBUSTION
 BACT 50.00

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE. DATE ENTERED/UPDATED: 05/01/1990

05/30/1990

BURKVILLE, AL

DATE OF PERMIT ISSUANCE-- 10/14/88
ESTIMATED DATE OF START-UP-- 1989
(205)-271-7861
(PHONE)

NO AIR PREHEAT IS USED IN ADDITION TO LOW NOX BURNERS.

DATE ENTERED/UPDATED: 06/01/1989

APPENDIX -- DETAILED SOURCE LISTING

05/30/1990

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=====
SOURCE TYPE/SIZE      EXTERNAL COMBUSTION - NATURAL GAS      49.50 MM
-----
COMPANY NAME/SITE LOCATION  GREENLEAF POWER CO.      YUBA CITY, CA
                           PUTHAM PARCEL                      SUTTER COUNTY
-----
DETERMINATION IS      FOR A NEW SOURCE.      DATE OF PERMIT ISSUANCE-- 04/18/85
PERMIT NO. SAC 84-01      ESTIMATED DATE OF START-UP-- 1986
DETERMINATION MADE BY EPA REGION IX      (415)-974-7631
                           (AGENCY)      (PHONE)
                           LINH TRAN
                           (AGENCY CONTACT PERSON)
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=====
PROCESSES SUBJECT      THROUGHPUT      POLLUTANT      EMISSION LIMITS      ... & BASIS
TO THIS PERMIT          CAPACITY      EMITTED      CONTROL EQUIPMENT OR PROCESS MODIFICATION ... PCT EFF
-----
TURBINE, GAS, GE LM-5000      35.62 MM
                           NOX      42.0000 PPMV AT 15% O2
                           91.0000 LB/H
                           PM      2.1000 LB/H
                           MULTICYCLONE      99.92
                           CO      20.4000 LB/H
                           GOOD ENGINEERING PRACTICES
BURNER, DUCT      63.70 MMBTU/H
                           NOX      0.1000 LB/MMBTU
                           6.4000 LB/H
                           LOW NOX DESIGN
                           PM      0.3400 LB/H
                           USE OF NAT. GAS AS FUEL
                           CO      0.1200 LB/MMBTU
                           7.6000 LB/H
                           CONTROLLED BY NOX & PM CONTROL SYS, GEP
=====

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NOTES -----

PLANT FEATURES A BIOMASS DRYING OF WOOD CHIPS, THUS RESULTING IN HIGH PARTICULATE EMISSIONS. PARTICULATE CONTROLS INCLUDE MULTICYCLONE COLLECTORS FOR THE DRYER & CONVEYING SYSTEM TO SEPERATE DRIED WOOD CHIP PRODUCT FROM THE AIR STREAM.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 02/28/1986

APPENDIX -- DETAILED SOURCE LISTING

05/30/1990

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=====
SOURCE TYPE/SIZE      EXTERNAL COMBUSTION - NATURAL GAS      22.40 MMBTU/H
-----
COMPANY NAME/SITE LOCATION KAISER ALUMINUM & CHEMICAL CORP.      TOLEDO, OH
-----
DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 04-348
DETERMINATION MADE BY TOLEDO ENVIRONMENTAL SERVICES      DATE OF PERMIT ISSUANCE-- 09/24/86
(AGENCY)      (DALE KRYGIELSKI)      ESTIMATED DATE OF START-UP-- 1985
      (AGENCY CONTACT PERSON)      (419)-666-4248
      (PHONE)
=====
  
```

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BOILER, GAS FIRED	16.80 MMBTU/H			
		PM	0.0200 LB/MMBTU	SIP
		SO2	8.3000 EE-4 LB/MMBTU	SIP
		NOX	0.1000 LB/MMBTU	SIP
		CO	0.0200 LB/MMBTU	SIP
		VOC	0.0050 LB/MMBTU	SIP

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 12/09/1987

APPENDIX -- DETAILED SOURCE LISTING

05/30/1990

=====

SOURCE TYPE/SIZE

EXTERNAL COMBUSTION - NATURAL GAS

=====

COMPANY NAME/SITE LOCATION

NAVAL STATION TREASURE ISLAND

, CA

SOLANDO COUNTY

=====

DETERMINATION IS

FOR A NEW SOURCE.

DATE OF PERMIT ISSUANCE-- 12/19/86

PERMIT NO. 30543

ESTIMATED DATE OF START-UP-- 1987

DETERMINATION MADE BY BAY AREA AQMD

BOB MISHINURA

(415)-771-6000

(AGENCY)

(AGENCY CONTACT PERSON)

(PHONE)

=====

PROCESSES SUBJECT
TO THIS PERMITTHROUGHPUT
CAPACITYPOLLUTANT
EMITTED

EMISSION LIMITS

CONTROL EQUIPMENT OR PROCESS MODIFICATION ... & BASIS

... PCT EFF

=====

BOILER, STEAM

24.00 MMBTU/H

NOX

40.0000 PPMVD AT 3% O2

0.0500 LB/MMBTU

LOW NOX BURNERS

FLUE GAS RECIRCULATION

=====

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 09/11/1987

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ID NUMBER CA-0193

SOURCE TYPE CODE 1.3

APPENDIX -- DETAILED SOURCE LISTING

05/30/1990

=====

SOURCE TYPE/SIZE

EXTERNAL COMBUSTION - NATURAL GAS

COMPANY NAME/SITE LOCATION

OLS ENERGY
CAMARILLO

, CA

DETERMINATION IS
PERMIT NO. 1267-2

FOR A NEW SOURCE.

DETERMINATION MADE BY VENTURA COUNTY APCD
(AGENCY)KEITH DUVAL
(AGENCY CONTACT PERSON)DATE OF PERMIT ISSUANCE-- 01/30/86
ESTIMATED DATE OF START-UP-- 1987
(805)-654-2845
(PHONE)

=====

PROCESSES SUBJECT
TO THIS PERMITTHROUGHPUT
CAPACITYPOLLUTANT
EMITTED

EMISSION LIMITS

CONTROL EQUIPMENT OR PROCESS MODIFICATION ... & BASIS

... PCT EFF

TURBINE, GAS, GE LM2500

256.00 MMBTU/H

NOX

9.0000 PPMVD AT 15% O2
80.0000 % FOR SCR
H2O INJ. & SCR

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 06/04/1986

APPENDIX -- DETAILED SOURCE LISTING

05/30/1990

SOURCE TYPE/SIZE

EXTERNAL COMBUSTION - NATURAL GAS

COMPANY NAME/SITE LOCATION OLS ENERGY

CAMARILLO, CA

DETERMINATION IS FOR A NEW SOURCE.
PERMIT NO. 1267-2
DETERMINATION MADE BY VENTURA COUNTY APCD
(AGENCY)

KEITH DUVAL
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 02/27/87
ESTIMATED DATE OF START-UP-- 1987
(805)-654-2845
(PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BOILER, GAS/OIL FIRED	31.00 MMBTU/H	NOX	40.0000 PPMVD AT 3% O2 COEN DAF LOW NOX BURNERS	

NOTES -----

BOILERS ARE BACKUP TO GAS TURBINE COGENERATION UNIT.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 05/05/1987

APPENDIX -- DETAILED SOURCE LISTING

05/30/1990

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SOURCE TYPE/SIZE          EXTERNAL COMBUSTION - NATURAL GAS
-----
COMPANY NAME/SITE LOCATION  REYNOLDS METALS CO.                      RICHMOND, VA
-----
DETERMINATION IS          DATE OF PERMIT ISSUANCE-- 12/22/86
PERMIT NO. 50260          ESTIMATED DATE OF START-UP-- 1987
DETERMINATION MADE BY VIRGINIA APCB      KATHERINE MILLER      (804)-786-1433
(AGENCY)                        (AGENCY CONTACT PERSON) (PHONE)
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PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BURNER, NAT GAS FIRED	2.56 MMBTU/H			
		PM	6.0020 LB/H 5.0000 EE-3 T/YR	
		SO2	1.0000 EE-3 LB/H 3.0000 EE-3 T/YR	
		VOC	0.0120 LB/H 0.0270 T/YR	
		NO2	0.2300 LB/H 0.5000 T/YR	
		CO	0.0460 LB/H 0.1000 T/YR	
		ISO*	30.0000 LB/H 45.0000 T/YR	

NOTES -----
 MODIFY FACILITY BY REMOVING THE EXISTING INCINERATOR & ADDING NAT GAS BURNERS IN THE EXTRUDER. THE EXTRUDER IS TO USE WATER-BASED INKS.
 ISO = ISOPROPYL ALCOHOL, POLLUTANT EVALUATED TO MEET STATE TOXIC REGS.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 04/15/1987

APPENDIX -- DETAILED SOURCE LISTING

05/30/1990

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SOURCE TYPE/SIZE	EXTERNAL COMBUSTION - NATURAL GAS	40.00 MM

COMPANY NAME/SITE LOCATION	SHELL CA PRODUCTION, INC. SOUTH BELRIDGE OIL FIELD	, CA

DETERMINATION IS BACT FOR A NEW SOURCE. PERMIT NO. SJ 85-08 DETERMINATION MADE BY EPA REGION IX (AGENCY)	LINH TRAN (AGENCY CONTACT PERSON)	DATE OF PERMIT ISSUANCE-- 02/06/86 ESTIMATED DATE OF START-UP-- 1987 (415)-974-7631 (PHONE)

=====

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF

TURBINE, GAS FIRED, GE LM 2500	20.00 MM	NOX	42.0000 PPM AT 15% O2 DRY H2O INJECTION	
		CO	41.0000 PPM AT 15% O2 DRY	

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 05/10/1986

05/30/1990

CALCASIEU PARISH

DATE OF PERMIT ISSUANCE-- 05/27/87
ESTIMATED DATE OF START-UP-- 1983
(504)-342-1206
(PHONE)

DATE ENTERED/UPDATED: 04/29/1988

APPENDIX -- DETAILED SOURCE LISTING

05/30/1990

=====

SOURCE TYPE/SIZE

EXTERNAL COMBUSTION - NATURAL GAS

COMPANY NAME/SITE LOCATION

VENTURA COASTAL CORP.

, CA

DETERMINATION IS BACT FOR A MODIFIED SOURCE.

PERMIT NO. 278-4

DETERMINATION MADE BY VENTURA APCD

(AGENCY)

TERRI THOMAS

(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 08/31/87

ESTIMATED DATE OF START-UP-- 1987

(805)-654-2849

(PHONE)

=====

PROCESSES SUBJECT
TO THIS PERMITTHROUGHPUT
CAPACITYPOLLUTANT
EMITTED

EMISSION LIMITS

CONTROL EQUIPMENT OR PROCESS MODIFICATION

... & BASIS

... PCT EFF

BOILER, CLEAVER BROOKS MODEL CB*

31.40 MMBTU/H

NOX

25.7000 LB/D

30.0000 PPMVD AT 3% O2

FGR/OXYGEN TRIM

BACT

NOTES -----

LIMIT INVOLVES USE OF FUEL OIL ONLY DURING GAS CURTAILMENT. NOX LIMIT APPLIES TO NATURAL GAS FIRING ONLY.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 06/02/1988

PAGE H- 84

ID NUMBER CA-0234

SOURCE TYPE CODE 1.3

05/30/1990

05/30/1990

COMPANY NAME/SITE LOCATION VENTURA COASTAL CORP. , CA

DATE OF PERMIT ISSUANCE-- 11/17/88
ESTIMATED DATE OF START-UP--
(805)-654-2844
(PHONE)

NOTES -----
PROCESS COULD NOT ACCOMODATE STEAM AT 100% LOAD. ROC & CO HIGHER THAN EXPECTED. ACTUAL O2 = 3.6%. EFFICIENCY = 83.1%.

DATE ENTERED/UPDATED: 06/01/1989

05/30/1990

EXTERNAL COMBUSTION - NATURAL GAS

HENRICO COUNTY

(PHONE)

... PCT EFF

RECORD KEEPING OF FUEL N2 CONTENT

05/30/1990

05/30/1990

DATE OF PERMIT ISSUANCE-- 08/17/88
ESTIMATED DATE OF START-UP-- 1989
(415)-771-6000
(PHONE)

DATE ENTERED/UPDATED: 06/01/1989

APPENDIX -- DETAILED SOURCE LISTING

05/30/1990

=====

SOURCE TYPE/SIZE	EXTERNAL COMBUSTION - NATURAL GAS	80.00 MM

COMPANY NAME/SITE LOCATION	MICHITA FALLS ENERGY INVESTMENTS, INC.	MICHITA FALLS, TX
		MICHITA COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.		DATE OF PERMIT ISSUANCE-- 06/10/86
PERMIT NO. 16750		ESTIMATED DATE OF START-UP-- 1987
DETERMINATION MADE BY TEXAS ACB	JAMES CROCKER	(512)-451-5711
(AGENCY)	(AGENCY CONTACT PERSON)	(PHONE)

=====

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF

TURBINE, GAS, 3 EA	20.00 MM			
		PM	13.7100 T/YR	B/N
		VOC	11.4900 T/YR	
		NOX	684.0000 T/YR	
			STEAM INJECTION	
		SO2	1.6500 T/YR	
		CO	420.0000 T/YR	

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 02/29/1988

05/30/1990

DATE OF PERMIT ISSUANCE-- 04/02/85
ESTIMATED DATE OF START-UP-- 1986
(209)-445-3239
(PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
COGENERATION FAC., WOOD FIRED	18.40 T/H LUMBER	NOX	0.1400 LB/MMBTU FLUIDIZED BED COMBUSTION HEATED STAGED AIR ADDITION	
		PM	0.0100 GR/DSCF AT 12% CO2 MULTICYCLONE & ESP	

NOTES -----
WOOD FUEL FROM MFG. WASTE

DATE ENTERED/UPDATED: 02/19/1987

APPENDIX -- DETAILED SOURCE LISTING

05/30/1990

SOURCE TYPE/SIZE EXTERNAL COMBUSTION - WOOD WASTE

COMPANY NAME/SITE LOCATION BIO-GEN TORRINGTON PARTNERSHIP
RT. 8 & 800

TORRINGTON, CT

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 183-0027
DETERMINATION MADE BY CONNECTICUT DEP
(AGENCY)JOSEPH ULEVICUS
(AGENCY CONTACT PERSON)DATE OF PERMIT ISSUANCE--
ESTIMATED DATE OF START-UP--
(203)-566-8230
(PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BOILER, WOOD FIRED	208.50 MMBTU/H			
		PM	0.0100 LB/MMBTU BAGHOUSE	99.50
		SOX	0.1000 LB/MMBTU FUEL ANALYSIS	
		NOX	0.2000 LB/MMBTU SNCR	40.00
		CO	0.2900 LB/MMBTU STAGED COMBUSTION	
		VOC	0.0800 LB/MMBTU O.F. AIR	
		HAZ*	NO LIMITS GIVEN	
		HCL	49.0000 PPM DV AT 12% CO2 FUEL SPECS	

NOTES -----

METALS & ACID GASES CONTROLLED BY WOOD FUEL SPECS LIMITING NON-WOOD MATERIAL TO <1% BY WEIGHT OF THE FUEL STREAM.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 04/30/1990

APPENDIX -- DETAILED SOURCE LISTING

05/30/1990

SOURCE TYPE/SIZE EXTERNAL COMBUSTION - WOOD WASTE

COMPANY NAME/SITE LOCATION BURLINGTON INDUSTRIES RABUN GAP, GA

DETERMINATION IS FOR A MODIFIED SOURCE.
 PERMIT NO. 2272-119-8109-0
 DETERMINATION MADE BY GEORGIA EPD
 (AGENCY)

PAUL IZANT
 (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 11/13/86
 ESTIMATED DATE OF START-UP-- 1986
 (404)-656-4867
 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BOILER, WOOD WASTE FIRED	290.00 MMBTU/H	PM	0.1000 LB/MMBTU MULTICYCLONE & VENTURI SCRUBBER	B/N 95.00

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 02/19/1987

APPENDIX -- DETAILED SOURCE LISTING

05/30/1990

=====

SOURCE TYPE/SIZE

EXTERNAL COMBUSTION - WOOD WASTE

COMPANY NAME/SITE LOCATION

COGENERATION MICHIGAN, INC.

CADILLAC, MI

DETERMINATION IS BACT FOR A NEW SOURCE.

PERMIT NO. 373-86

DETERMINATION MADE BY MICHIGAN DNR
(AGENCY)GREGORY EDWARDS
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 09/15/87

ESTIMATED DATE OF START-UP-- 1989

(517)-373-7023

(PHONE)

=====

PROCESSES SUBJECT
TO THIS PERMITTHROUGHPUT
CAPACITYPOLLUTANT
EMITTEDEMISSION LIMITS
CONTROL EQUIPMENT OR PROCESS MODIFICATION ... & BASIS
... PCT EFF

BOILER, 2 EA

293.00 MMBTU/H

PM

0.0300 LB/MMBTU
BAGHOUSE

N/B

NOX

0.3000 LB/MMBTU WOOD
0.2000 LB/MMBTU GAS
BOILER DESIGN99.00
N/B

CO

0.3000 LB/MMBTU WOOD
BOILER DESIGN

BACT

BAP

31.7000 MICROGRAM/CUBIC METER

BACT

NOTES -----

TRUNCATED POLLUTANT NAME IS BENZO-A-PYRENE.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 05/01/1990

APPENDIX -- DETAILED SOURCE LISTING

05/30/1990

SOURCE TYPE/SIZE EXTERNAL COMBUSTION - WOOD WASTE

COMPANY NAME/SITE LOCATION COGENERATION MICHIGAN, INC.
VANDER JAGT INDUSTRIAL PARK

CADILLAC, MI

DETERMINATION IS BACT FOR A NEW SOURCE.

PERMIT NO. 373-86

DETERMINATION MADE BY MICHIGAN DNR, AQD
(AGENCY)RANDAL TELESZ
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 01/16/90

ESTIMATED DATE OF START-UP-- 1992

(517)-373-7023

(PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BOILER, 2 EA	293.00 MMBTU/H			
		PM/*	0.0300 LB/MMBTU MECHANICAL COLLECTOR, BAGHOUSE	BACT 99.90
		SO2	0.0170 LB/MMBTU	
		CO	0.3500 LB/MMBTU GOOD COMBUSTION CONTROLS	BACT
		NOX	0.2100 LB/MMBTU SNCR	BACT 45.00
		VOC	20.2000 LB/H 88.3000 T/YR GOOD COMBUSTION CONTROLS	BACT
		BAP	4.1000 UG/CUBIC METER	
		NH3	10.0000 PPM	

NOTES -----

SELECTICE NON-CATALYTIC REDUCTION - EITHER THERMAL DE NOX OR NOX OUT. THIS IS A REDETERMINATION OF BACT FOR EXTENSION OF THE P
SD PERMIT.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 05/01/1990

APPENDIX -- DETAILED SOURCE LISTING

05/30/1990

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SOURCE TYPE/SIZE          EXTERNAL COMBUSTION - WOOD WASTE          666.00 MMBTU/H, INPUT
-----
COMPANY NAME/SITE LOCATION  CRAVEN COUNTY WOOD-ENERGY PROJECT          NEW BERN, NC
                                   CRAVEN COUNTY
-----
DETERMINATION IS BACT FOR A NEW SOURCE.          DATE OF PERMIT ISSUANCE-- 01/24/89
PERMIT NO. 6419          ESTIMATED DATE OF START-UP-- 1990
DETERMINATION MADE BY NORTH CAROLINA DEM          (919)-733-3340
              (AGENCY)          (AGENCY CONTACT PERSON)          (PHONE)
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PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BOILER, WOOD FIRED	666.00 MMBTU/H			
		NOX	0.3500 LB/MMBTU BOILER DESIGN AUTOMATIC COMBUSTION CONTROLS	
		PM	0.0410 LB/MMBTU CYCLONE SEPARATOR/ESP	98.20
		CO	0.6600 LB/MMBTU AUTOMATIC COMBUSTION CONTROLS	
		VOC	0.0770 LB/MMBTU AUTOMATIC COMBUSTION CONTROLS	

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 03/01/1989

APPENDIX -- DETAILED SOURCE LISTING

05/30/1990

SOURCE TYPE/SIZE EXTERNAL COMBUSTION - WOOD WASTE

COMPANY NAME/SITE LOCATION DECKER ENERGY INTERNATIONAL EAST RYEGATE, VT
RYEGATE BIOMASS PROJECT, RTE 5

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO.

DETERMINATION MADE BY VERMONT NR, APCD
(AGENCY)

LARRY MILLER
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 01/11/88
ESTIMATED DATE OF START-UP-- 1989
(802)-244-8731
(PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BOILER, WOOD FIRED	300.00 MMBTU/H	PM	0.0007 GR/DSCF AT 12% CO2 MECHANICAL COLLECTOR/ESP	MSER
		VE	60.0000 % OPACITY 20.0000 % OPACITY, 54MIN/H	
		NOX	0.2500 LB/MMBTU	MSER
		CO	0.3000 LB/MMBTU	MSER
		VOC	9.0000 LB/H	UNRG
		BAP	0.0120 LB/H	UNRG

NOTES -----

BAP - BENZO(A)PYRENE. MSER - MOST STRINGENT EMISSION LIMIT - VERMONT'S EQUIVALENT TO FEDERAL BACT/LAER.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 06/01/1989

05/30/1990

, CA

(209)-733-6438
(PHONE)

DATE ENTERED/UPDATED: 06/02/1988

APPENDIX -- DETAILED SOURCE LISTING

05/30/1990

SOURCE TYPE/SIZE EXTERNAL COMBUSTION - WOOD WASTE

COMPANY NAME/SITE LOCATION ERATH VENEER CORP. OF VA

ROCKY MOUNT, VA

DETERMINATION IS BACT FOR A NEW SOURCE.

PERMIT NO. 30392

DETERMINATION MADE BY VIRGINIA APCB
(AGENCY)

KATHERINE MILLER
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 12/30/86

ESTIMATED DATE OF START-UP-- 1986

(804)-786-1433
(PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BOILER, WOODWASTE FIRED	31.50 MMBTU/H			
		PM	0.2700 MMBTU/H 8.5100 LB/H	
			2 MULTICLONES	75.00
		SO2	0.5300 LB/H 0.2300 T/YR	
		VOC	0.1600 LB/MMBTU 4.9000 LB/H	
		CO	0.8900 LB/MMBTU 28.0000 LB/H	

NOTES -----

TO CONSTRUCT A 31.5 MMBTU/H WOODWASTE BOILER.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 02/19/1987

APPENDIX -- DETAILED SOURCE LISTING

05/30/1990

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SOURCE TYPE/SIZE	EXTERNAL COMBUSTION - WOOD WASTE	15.00 MM

COMPANY NAME/SITE LOCATION	FAIRHAVEN POWER CO.	FAIRHAVEN, CA
		HUMBOLDT COUNTY

DETERMINATION IS	FOR A NEW SOURCE.	DATE OF PERMIT ISSUANCE-- 02/12/85
PERMIT NO. NC 84-03		ESTIMATED DATE OF START-UP-- 1985
DETERMINATION MADE BY EPA REGION IX	LINH TRAN	(415)-974-7631
(AGENCY)	(AGENCY CONTACT PERSON)	(PHONE)

=====

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF

BOILER, WOOD FIRED	225.60 MMBTU/H			
		PM	0.0450 LB/MMBTU ESP, MULTICYCLONE DUST COLLECTOR	99.10
		NOX	0.2000 LB/MMBTU BOILER DESIGN W/40% EXCESS COMBUSTION AIR	
		CO	0.3500 LB/MMBTU BOILER DESIGN W/40% EXCESS COMBUSTION AIR	
		VOC	0.0700 LB/MMBTU BOILER DESIGN W/40% EXCESS COMBUSTION AIR	

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 02/28/1986

APPENDIX -- DETAILED SOURCE LISTING

05/30/1990

SOURCE TYPE/SIZE EXTERNAL COMBUSTION - WOOD WASTE

COMPANY NAME/SITE LOCATION FAIRHAVEN POWER CO. , CA

DETERMINATION IS FOR A NEW SOURCE.

PERMIT NO. HS-072

DETERMINATION MADE BY NORTH COAST UNIFIED AQMD
(AGENCY)

CHUCK SASSENATH
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 01/10/85
ESTIMATED DATE OF START-UP-- 1986
(707)-443-3093
(PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BOILER, WOOD FIRED	309.00 MMBTU/H	NOX	0.2000 LB/MMBTU HIGH PRESSURE OVERFIRE AIR SYS	
		CO	0.4000 LB/MMBTU HIGH PRESSURE OVERFIRE AIR SYS	
		PM	0.0400 LB/MMBTU MULTICLONES & ESP	98.00

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 05/05/1987

APPENDIX -- DETAILED SOURCE LISTING

05/30/1990

SOURCE TYPE/SIZE EXTERNAL COMBUSTION - WOOD WASTE

COMPANY NAME/SITE LOCATION GRAYLING GENERATING STATION , MI

DETERMINATION IS BACT FOR A NEW SOURCE.

PERMIT NO. 882-89

DETERMINATION MADE BY MICHIGAN DNR, AQD
(AGENCY)DHRUMAN SHAH
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 03/20/90

ESTIMATED DATE OF START-UP-- 1992

(517)-373-7023

(PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BOILER, WOOD FIRED	450.00 MMBTU/H			
		PM10	0.0300 LB/MMBTU MULTICLONE/ESP	BACT 99.70
		VE	10.0000 % OPACITY STACK MONITOR	BACT
		NOX	0.1500 LB/MMBTU SNCR SYSTEM	BACT 60.00
		CO	0.4000 LB/MMBTU DESIGN & OPERATING PRACTICES	BACT
		VOC	0.0500 LB/MMBTU	BACT
		BE	0.0050 LB/H	BACT
			MULTICLONE/ESP	90.00
		BAP	0.0013 LB/H	BACT

NOTES -----

BENZO-A-PYRENE EMISSION RATE IS CALCULATED USING AN EMISSION FACTOR OF 25.2 UG/KG DRY WOOD. BERYLLIUM EMISSIONS ARE BASED ON B
E CONTENT OF 1 PPM WT IN WOOD & 90% CONTROL EFFICIENCY THRU ESP.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 05/01/1990

APPENDIX -- DETAILED SOURCE LISTING

05/30/1990

SOURCE TYPE/SIZE EXTERNAL COMBUSTION - WOOD WASTE

COMPANY NAME/SITE LOCATION HILLMAN LIMITED PARTNERS , MI

DETERMINATION IS BACT FOR A MODIFIED SOURCE.

PERMIT NO. 687-86A

DETERMINATION MADE BY MICHIGAN DNR, AQD
(AGENCY)

RANDAL TELESZ
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 12/05/89

ESTIMATED DATE OF START-UP-- 1990

(517)-373-7023

(PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BOILER	300.00 MMBTU/H	PM/*	0.0300 LB/MMBTU MECHANICAL COLLECTOR & ESP	BACT
		SO2	0.0180 LB/MMBTU	R901
		CO	0.3500 LB/MMBTU	BACT
			BOILER DESIGN & COMBUSTION CONTROL	
		NOX	0.1500 LB/MMBTU	BACT
			SELECTIVE NON-CATALYTIC REDUCTION	50.00
		VOC	0.0700 LB/MMBTU	R702
			COMBUSTION CONTROLS	
		BAP	2.2000 UG/CU METER	R901
			CO CONTROL/MECH COLL/ESP	

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 05/01/1990

APPENDIX -- DETAILED SOURCE LISTING

05/30/1990

SOURCE TYPE/SIZE EXTERNAL COMBUSTION - WOOD WASTE

COMPANY NAME/SITE LOCATION LOUISIANA PACIFIC CORP. , CA

DETERMINATION IS BACT FOR A NEW SOURCE.

PERMIT NO. LPO-87-08-AC

DETERMINATION MADE BY BUTTE COUNTY APCD
(AGENCY)JEFFREY MOTT
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 11/06/87

ESTIMATED DATE OF START-UP-- 1987

(916)-538-7383

(PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
GENERATOR, STEAM, WOOD FIRED	127.00 MMBTU/H			
		PM10	2.8000 LB/H 0.0220 LB/MMBTU MULTICLONE & ESP	BACT
		NOX	23.0000 LB/H 0.1800 LB/MMBTU COMBUSTION CONTROLS	BACT
		CO	22.0000 LB/H 0.1730 LB/MMBTU COMBUSTION CONTROLS	BACT
		VOC	16.0000 LB/H 0.1260 LB/MMBTU COMBUSTION CONTROLS	

NOTES -----

LIMITED TO 8000 HOURS PER YEAR & TO NON-INDUSTRIAL WOODWASTE AS FUEL.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 06/02/1988

APPENDIX -- DETAILED SOURCE LISTING

05/30/1990

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SOURCE TYPE/SIZE          EXTERNAL COMBUSTION - WOOD WASTE          10.00 MW
-----
COMPANY NAME/SITE LOCATION  MARTELL COGENERATION LIMITED PARTNERSHIP          MARTELL, CA
                           C/O LAFAYETTE POWER CO.          AMADOR COUNTY
-----
DETERMINATION IS BACT FOR A MODIFIED SOURCE.          DATE OF PERMIT ISSUANCE-- 11/30/88
PERMIT NO. SJ 83-04-A          ESTIMATED DATE OF START-UP--
DETERMINATION MADE BY EPA REGION IX          (415)-974-7631
                           LINH TRAN          (PHONE)
                           (AGENCY CONTACT PERSON)
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PROCESSES SUBJECT          THROUGHPUT          POLLUTANT          EMISSION LIMITS          ... & BASIS
TO THIS PERMIT          CAPACITY          EMITTED          CONTROL EQUIPMENT OR PROCESS MODIFICATION          ... PCT EFF
-----
BOILER, STATIONARY GRATE/SPREAD*  287.00 MMBTU/H
                           CO          930.0000 LB/H, 3H AVG
                           590.0000 LB/H, 8H AVG
                           MOST STRINGENT LIMIT
                           GOOD OPERATING & COMBUSTION PRACTICES
                           VOC          35.0000 LB/H
                           GOOD OPERATING & COMBUSTION PRACTICES
  
```

NOTES -----

MAJOR MOD., ORIG. BACT FOR NOX --STAGED COMBUST. & HIGH FUEL MOISTURE, FOR CO/VOC - FURNACE OPERATION CONTROLS. IN BACT FOR MO
D., EPA CONSIDERED RETROFITTING OF BOILER W/AMMONIA INJ. SYSTEM FOR NOX CONTROL & SETTING
STRINGENT LIMITS FOR CO. BUT BASED ON INFO FROM APPLICANT, AMMONIA INJ. CAN'T BE EFFECTIVELY INCORPORATED INTO THE BOILER DUE
TO DIFFERENT DESIGN PARAMETERS.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 03/01/1989

APPENDIX -- DETAILED SOURCE LISTING

05/30/1990

=====

SOURCE TYPE/SIZE	EXTERNAL COMBUSTION - WOOD WASTE	50.00 MM

COMPANY NAME/SITE LOCATION	MCNEIL GENERATING STATION BURLINGTON ELECTRIC LIGHT DEPT.	BURLINGTON, VT

DETERMINATION IS BACT FOR A NEW SOURCE. PERMIT NO.		DATE OF PERMIT ISSUANCE-- 05/01/80
DETERMINATION MADE BY VERMONT AEC (AGENCY)	HAROLD GARABEDIAN (AGENCY CONTACT PERSON)	ESTIMATED DATE OF START-UP-- 1984 (802)-244-8731 (PHONE)

=====

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF

FURNACE, WOOD FIRED	670.00 MMBTU/H	PM	0.0070 LB/MMBTU 0.0070 GR/DSCF AT 12% CO2 MEC. DUST COLLECTOR & ESP 80%-MEC COLLECT. & 99.5%-ESP	99.90

NOTES -----

418000 ACFM AT 310F-CYCLONES-LARGE DIA. CERAMIC-24 TUBE, 58 IN. DIAMETER, 12.3 FT LONG, DELTA P=3.4 IN. H2O, INLET VEL. 63.1FT /SEC-ESP-WEIGHTED WIRE TYPE ,TOTAL PLATE AREA 280000 SQ. FT.,SCA=672 SQ. FT./1000 ACFM, LINEAR VEL. 3 FT/SEC
9 FIELDS, 119 GAS PASSAGES, 9 IN. PASSAGE SPACING, 45 FT GAS TRAVEL DISTANCE. VT-0002A IS AMMENDMENT OF THIS PERMIT.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 02/28/1990

APPENDIX -- DETAILED SOURCE LISTING

05/30/1990

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=====
SOURCE TYPE/SIZE          EXTERNAL COMBUSTION - WOOD WASTE
-----
COMPANY NAME/SITE LOCATION  SIERRA PACIFIC INDUSTRIES                LOYALTOR, CA
                               SIERRA COUNTY
-----
DETERMINATION IS          DATE OF PERMIT ISSUANCE-- 05/31/88
PERMIT NO. SAC 87-01      ESTIMATED DATE OF START-UP-- 1989
DETERMINATION MADE BY EPA REGION IX    TOM ANDREWS
(AGENCY)                        (AGENCY CONTACT PERSON)
                               (415)-974-7658
                               (PHONE)
=====
  
```

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BOILER, RILEY	335.00 MMBTU/H	CO	167.8000 LB/H 0.5000 LB/MMBTU SECONDARY AIR INJ.	70.00
		NOX	36.9000 LB/H 0.1100 LB/MMBTU AMMONIA INJ.	50.00

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 12/15/1988

APPENDIX -- DETAILED SOURCE LISTING

05/30/1990

SOURCE TYPE/SIZE

EXTERNAL COMBUSTION - WOOD WASTE

COMPANY NAME/SITE LOCATION

SOLEDAD ENERGY LIMITED PARTNERSHIP

, CA

DETERMINATION IS

PERMIT NO. 4625

DETERMINATION MADE BY MONTEREY BAY UNIFIED APCD
(AGENCY)DAVID CRAFT
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 09/30/88

ESTIMATED DATE OF START-UP--

(408)-443-1135

(PHONE)

PROCESSES SUBJECT
TO THIS PERMITTHROUGHPUT
CAPACITYPOLLUTANT
EMITTED

EMISSION LIMITS

CONTROL EQUIPMENT OR PROCESS MODIFICATION

... & BASIS

... PCT EFF

COMBUSTOR, WOOD FIRED, FLUIDIZE*

216.00 MMBTU/H

NOX

13.6000 LB/H

0.0630 LB/MMBTU

AMMONIA INJECTION

BACT

SO2

141.6000 LB/D

0.0270 LB/MMBTU

LIMESTONE INJECTION

BACT

PM10

147.4000 LB/D

0.0290 LB/MMBTU

MULTICLONE & BAGHOUSE

BACT

99.50

CO

197.0000 LB/D

0.0380 LB/MMBTU

VOC

139.9000 LB/D

0.0270 LB/MMBTU

BACT

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 06/01/1989

05/30/1990

COMPANY NAME/SITE LOCATION SUPERIOR FARMING CO. , CA

DATE OF PERMIT ISSUANCE-- 02/25/85

ESTIMATED DATE OF START-UP--

(805)-861-3682
(PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BOILER, 4-COMBUSTION CELL	100.00 MMBTU/H	NOX	0.1650 LB/MMBTU FLUE GAS RECIRCULATION LEA, STAGED COMBUSTION	LAER
BOILER, 4-CELL COMBUSTION	100.00 MMBTU/H	NOX	0.0656 LB/MMBTU FLUE GAS RECIRCULATION	LAER

DATE ENTERED/UPDATED: 06/04/1986

APPENDIX -- DETAILED SOURCE LISTING

05/30/1990

SOURCE TYPE/SIZE EXTERNAL COMBUSTION - WOOD WASTE

COMPANY NAME/SITE LOCATION TAYLOR-RAMSEY CORP. , VA

DETERMINATION IS BACT FOR A NEW SOURCE.

PERMIT NO. 30473

DETERMINATION MADE BY VIRGINIA DAPC
(AGENCY)KATHERINE MILLER
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 05/16/88

ESTIMATED DATE OF START-UP-- 1988

(804)-786-1433

(PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BOILER/GENERATOR	750.00 LB/YR	PM	0.2000 LB/MMBTU 0.8500 LB/H PERMIT LIMITS	
		CO	0.4800 LB/MMBTU 2.0000 LB/H PERMIT LIMITS	
		FOR*	0.1200 LB/H 0.5200 T/YR PERMIT LIMITS	

NOTES -----

CONSTRUCT A 5.6 MMBTU/H WOOD GAS GENERATOR & A 4.184 MMBTU/H BOILER. GENERATOR TO CONSUME NO MORE THAN 750 LB/H OF WOODWASTE FUEL. FUEL FOR GENERATOR GREEN SANDUST.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 10/15/1988

APPENDIX -- DETAILED SOURCE LISTING

05/30/1990

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=====
SOURCE TYPE/SIZE      EXTERNAL COMBUSTION - WOOD WASTE
-----
COMPANY NAME/SITE LOCATION  ULTRAPOWER - PLACER, INC.          , CA          PLACER COUNTY
                           ROCKLIN POWER PLANT
-----
DETERMINATION IS      FOR A NEW SOURCE.
PERMIT NO. A/C-85-14
DETERMINATION MADE BY PLACER COUNTY APCD
                           (AGENCY)
                           NOEL BONDERSON
                           (AGENCY CONTACT PERSON)
                           DATE OF PERMIT ISSUANCE-- 01/02/87
                           ESTIMATED DATE OF START-UP--
                           (916)-823-4443
                           (PHONE)
=====
  
```

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BOILER	356.80 MMBTU/H	NOX	56.0000 LB/H BOILER DESIGN	
		PM	0.0200 GR/DSCF AT 12% O2 ESP	

NOTES -----
ATMOSPHERIC PRESSURE, CIRCULATING FLUIDIZED BED BOILER.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 09/11/1987

APPENDIX -- DETAILED SOURCE LISTING

05/30/1990

=====

SOURCE TYPE/SIZE	EXTERNAL COMBUSTION - WOOD WASTE	26.00 MM

COMPANY NAME/SITE LOCATION	ULTRASYSTEMS INC.	CHINESE CAMP, CA

DETERMINATION IS		DATE OF PERMIT ISSUANCE-- 08/09/85
PERMIT NO. 55-8986		ESTIMATED DATE OF START-UP-- 1986
DETERMINATION MADE BY TUOLUMNE COUNTY APCD	EARL WITHYCOMBE	(916)-862-1233
(AGENCY)	(AGENCY CONTACT PERSON)	(PHONE)

=====

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF

BOILER, FLUID BED, WOOD FIRED	370.00 MMBTU/H			
		PM	0.0470 LB/MMBTU MULTICLONE, ESP	99.20
		NOX	0.1490 LB/MMBTU THERMAL DENOX, FLUID BED	55.00
		SO2	0.1400 LB/MMBTU	
		VOC	0.0980 LB/MMBTU FLUID BED COMBUSTOR	
		CO	0.1500 LB/MMBTU FLUID BED COMBUSTOR	

NOTES -----

TSP & NOX CONTROLS DESIGNED TO MAINTAIN EMISSIONS UNDER 100 T/YR PSD TRIGGER & EXPEDITE PERMIT PROCESSING TIME.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 02/28/1986

05/30/1990

, CA

DATE OF PERMIT ISSUANCE-- 07/19/88
ESTIMATED DATE OF START-UP--
(408)-443-1135
(PHONE)

NOTES -----

DATE ENTERED/UPDATED: 06/01/1989

APPENDIX -- DETAILED SOURCE LISTING

05/30/1990

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=====
SOURCE TYPE/SIZE      EXTERNAL COMBUSTION - WOOD WASTE      48.00 MMBTU/H
-----
COMPANY NAME/SITE LOCATION  WOOD PRESERVERS, INC.      RICHMOND, VA
-----
DETERMINATION IS BACT FOR A NEW SOURCE.      DATE OF PERMIT ISSUANCE-- 10/21/87
PERMIT NO. (5)40150      ESTIMATED DATE OF START-UP-- 1987
DETERMINATION MADE BY VIRGINIA SAPCB      (804)-786-1433
      (AGENCY)      KATHERINE MILLER      (PHONE)
      (AGENCY CONTACT PERSON)
=====

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=====
PROCESSES SUBJECT      THROUGHPUT      POLLUTANT      EMISSION LIMITS      ... & BASIS
TO THIS PERMIT      CAPACITY      EMITTED      CONTROL EQUIPMENT OR PROCESS MODIFICATION      ... PCT EFF
-----
BOILER, WOOD WASTE FIRED      48.00 MMBTU/H
      PM      0.2024 LB/MMBTU
      9.8400 LB/H
      2 MULTICYCLONE IN SERIES      89.95
      VOC      7.6000 LB/H
      17.1000 T/YR
      THROUGHPUT LIMITS
      NO2      3.7000 LB/H
      8.3000 T/YR
      THROUGHPUT LIMITS
      CO      21.6000 LB/H
      48.8000 T/YR
      THROUGHPUT LIMITS
      SB      0.4320 LB/H
      THROUGHPUT LIMITS
      AS      0.4250 LB/H
      THROUGHPUT LIMITS
      NI      0.1910 LB/H
      THROUGHPUT LIMITS
      SE      360.0000 LB/H
      THROUGHPUT LIMITS
      AG      72000.0000 LB/H
      THROUGHPUT LIMITS
      TL      360.0000 LB/H
      THROUGHPUT LIMITS
=====

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(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 12/23/1987

(CONTINUED) WOOD PRESERVERS, INC.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
SAME PROCESS (CONTINUED)				
		ZN	950.0000 LB/H	THROUGHPUT LIMITS
		BE	3.1000 EE-4 LB/H	THROUGHPUT LIMITS
		CD	2.2000 EE-3 LB/H	THROUGHPUT LIMITS
		CR	0.1790 LB/H	THROUGHPUT LIMITS
		CU	0.2870 LB/H	THROUGHPUT LIMITS
		HG	0.0360 LB/H	THROUGHPUT LIMITS
		NAP*	99.9900 % DRE REQUIRED	THROUGHPUT LIMITS

NOTES -----

BOILER FUEL IS<=10% BARK/WOOD CREOSOTE SLUDGE. FUEL LIM-24371 TPY WOOD WASTE & 100 TPY CREOSOTE SLUDGE. SLUDGE BURN RATE>200 L B/H & <600 LB/H. BOILER HEAT INPUT LIM-48.611111 MMBTU/H. VE < 10%, ADJUSTABLE PER TEST. ONE CONTINUOUS PRESSURE DROP MONITOR PER MULTICLONE. DRE OF CREOSOTE SLUDGE POHC>=99.99%. POHC'S-ACENAPHTLENE, ACENAPHTHLENE, ANTHRALENE, BENZO(A)PYRENE, CHRYS ENE, FLUORANTHENE, FLUORENE, NAPHTHADINE, PHENANTHRENE, PYRENE, DRE OF REMAINING ORGANICS>=99.9%. TO BE TESTED FOR PM.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 12/23/1987

APPENDIX -- DETAILED SOURCE LISTING

05/30/1990

SOURCE TYPE/SIZE

EXTERNAL COMBUSTION - MULTIPLE FUELS

COMPANY NAME/SITE LOCATION FILER CITY

, MI

MANISTEE COUNTY

DETERMINATION IS B/L FOR A NEW SOURCE.

PERMIT NO. 519-87A

DETERMINATION MADE BY MICHIGAN DNR, AQD
(AGENCY)DHRUMAN SHAH
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 06/21/88

ESTIMATED DATE OF START-UP-- 1990

(517)-373-7023

(PHONE)

PROCESSES SUBJECT
TO THIS PERMITTHROUGHPUT
CAPACITYPOLLUTANT
EMITTED

EMISSION LIMITS

CONTROL EQUIPMENT OR PROCESS MODIFICATION ... & BASIS

... PCT EFF

BOILER, SPREADER-STOKER, COAL/W*

384.00 MMBTU/H

PM

0.0120 LB/MMBTU

BAGHOUSE

LAER

SO2

0.5000 LB/MMBTU 30D AVG

99.40

BACT

0.7000 LB/MMBTU 24H AVG

LIME SPRAY DRYER

90.00

MAX 3% S

NOX

0.6000 LB/MMBTU 30D AVG

BACT

BOILER DESIGN, OPERATING PRACTICES

CO

0.3000 LB/MMBTU 8H AVG

BACT

CO STACK MONITORS

BOILER DESIGN, COMBUSTION CONTROLS

NOTES -----

THIS PERMIT REPLACES THE ORIGINAL PERMIT, #519-87, FOR A FLUIDIZED BED BOILER

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 05/01/1990

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ID NUMBER MI-0050A

SOURCE TYPE CODE 1.5

05/30/1990

COMPANY NAME/SITE LOCATION GEOPRODUCTS/ZURN-NEPCO HONEY LAKE, CA LASSEN COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. NE 87-01
DETERMINATION MADE BY EPA REGION IX
(AGENCY)

JANET STROMBERG
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 03/11/88
ESTIMATED DATE OF START-UP--
(415)-974-8218
(PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BOILER, WOOD FIRING	305.00 LB/H			
		PM	65.7500 T/YR MULTICLONE/ESP	BACT 99.90
		NOX	246.7000 T/YR STAGED COMBUSTION, NH3 INJ.	BACT
		CO	674.5000 T/YR COMPLETE COMBUSTION	BACT
		VOC	92.9700 T/YR COMPLETE COMBUSTION	BACT
		SOX	20.4900 T/YR	UNRG

DATE ENTERED/UPDATED: 06/22/1988

APPENDIX -- DETAILED SOURCE LISTING

05/30/1990

SOURCE TYPE/SIZE

EXTERNAL COMBUSTION - MULTIPLE FUELS

COMPANY NAME/SITE LOCATION

HADSON POWER II
ROUTE 671

SOUTHAMPTON, VA

SOUTHAMPTON COUNTY

DETERMINATION IS B/N FOR A NEW SOURCE.
 PERMIT NO. 61093
 DETERMINATION MADE BY VIRGINIA DAPC
 (AGENCY)

TOM CREASY
 (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 11/22/89
 ESTIMATED DATE OF START-UP-- 1990
 (804)-786-0178
 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EF.
BOILER, 2 EA	379.00 MMBTU/H			
		PM	0.0200 LB/MMBTU 7.6000 LB/H BAGHOUSE	99.90
		PM10	0.0180 LB/MMBTU 6.8000 LB/H BAGHOUSE	99.90
		SO2	0.1620 LB/MMBTU 61.3000 LB/H LIME INJECTION	92.00
		NOX	0.5000 LB/MMBTU 189.5000 LB/H CONTINUOUS FEED/LEA	35.00
		CO	0.2000 LB/MMBTU 76.0000 LB/H COMBUSTION	
		VOC	0.0300 LB/MMBTU 11.4000 LB/H COMBUSTION	
		HG	0.1000 LB/D	
		BE	0.0300 LB/D	
		AS	1.1000 LB/D	
		CD	0.1000 LB/D	
		CR	4.9000 LB/D	

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 04/30/1990

(CONTINUED) HADSON POWER II

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
SAME PROCESS (CONTINUED)				
		CU	2.4000 LB/D	
		FLU*	9.7000 LB/D	
		FOR*	1.6000 LB/D	
		MN	3.9000 LB/D	
		NI	3.7000 LB/D	
		ACI*	149.2000 LB/D	
		V	0.7000 LB/D	
BOILER, OIL/TALL OIL FIRED	81.58 MMBTU/H	PM	0.0400 LB/MMBTU, #2 OIL FIRED 0.1600 LB/MMBTU, TALL OIL FIRED COMBUSTION	
		PM10	0.0300 LB/MMBTU, #2 OIL FIRED 0.1200 LB/MMBTU, TALL OIL FIRED COMBUSTION	
		SO2	0.3100 LB/MMBTU, #2 OIL FIRED 1.1600 LB/MMBTU, TALL OIL FIRED COMBUSTION	
		CO	0.0820 LB/MMBTU, #2 OIL FIRED 0.1200 LB/MMBTU, TALL OIL FIRED COMBUSTION	
		NOX	0.1000 LB/MMBTU, #2 OIL FIRED 0.6500 LB/MMBTU, TALL OIL FIRED COMBUSTION	
		VOC	0.0410 LB/MMBTU, #2 OIL FIRED 0.0700 LB/MMBTU, TALL OIL FIRED COMBUSTION	
MATL. HANDLING, COAL/LIME		PM	0.2700 LB/H 0.6200 T/YR NET SUPPRESSION W/SUFACANT, BAG	99.00
		PM10	0.2000 LB/H 0.5000 T/YR NET SUPPRESSION W/SUFACANT, BAG	99.00
SLAKER, LIME	10000.00 T/YR LIME	PM	0.0000 LB/H WATER JET VENTURI ASPIRATOR, TOTAL ENCLOSURE	100.00

NOTES -----

SEE SPECIFIC CONDITIONS #26-27 FOR TESTING. PRIMARY BOILER FUEL IS COAL/TALL OIL AT 1.3/1.6% S. AUX BOILER FUEL IS TALL OIL/#2 OIL AT 0.88% & 0.3% S MAX, & 0.51% & 0.2% S AVG. CEMS FOR VE, SO2, NOX, & CO2 OR O2-PRIMARY BOILER, VE-AUX BOILER. CEMS FOR SO2 & NOX USED TO DETERMINE COMPLIANCE, HOST STEAM AGREEMENTS TO BE MADE AVAILABLE. AUX BOILER STACK=200 FT M IN. PERMIT AMENDED 2/6/90 DUE TO AN EPA REMAND FOR TIGHTER NOX & SO2 CONTROLS. RESULT-SO2 EFF UP FROM 90 TO 92%.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 04/30/1990

APPENDIX -- DETAILED SOURCE LISTING

05/30/1990

SOURCE TYPE/SIZE EXTERNAL COMBUSTION - MULTIPLE FUELS

COMPANY NAME/SITE LOCATION HADSON POWER 12

ALTAVISTA, VA

DETERMINATION IS B/N FOR A NEW SOURCE.

PERMIT NO. 30859

DETERMINATION MADE BY VIRGINIA DAPC

TOM CREASY

(AGENCY CONTACT PERSON)

(PHONE)

(804)-786-0178

ESTIMATED DATE OF START-UP--

DATE OF PERMIT ISSUANCE-- 10/27/89

PROCESSES SUBJECT TO THIS PERMIT THROUGHPUT CAPACITY EMITTED EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION ... PCT EFF ... & BASIS

BOILER, 2 EA

379.00 MMBTU/H

PM

0.0200 LB/MMBTU
7.6000 LB/H

PM10

0.0180 LB/MMBTU
6.8000 LB/H

SO2

0.0870 LB/MMBTU
70.8000 LB/H

NOX

0.3000 LB/MMBTU
113.7000 LB/H

SNCR

CONTINUOUS FEED, LEA

CO

0.2000 LB/MMBTU
76.0000 LB/H

VOC

0.0300 LB/MMBTU
11.4000 LB/H

COMBUSTION

HG

0.1000 LB/D
0.0500 LB/D

NH3

50.0000 PPM
684.0000 LB/D

AS

1.1000 LB/D

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 04/30/1990

ID NUMBER VA-0164

SOURCE TYPE CODE 1.5

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PROCESSES SUBJECT TO THIS PERMIT THROUGHPUT CAPACITY POLLUTANT EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION ... PCT EFF ... & BASIS

SAME PROCESS (CONTINUED)

CD 0.1000 LB/D
 CHL* 355.7000 LB/D
 CR 4.9000 LB/D
 CU 2.4000 LB/D
 FOR* 21.1000 LB/D
 MN 3.9000 LB/D
 NI 3.7000 LB/D
 SE 2.1000 LB/D
 ACI* 149.2000 LB/D
 V 0.7000 LB/D

BOILER, GAS & OIL FIRED, 2 EA 139.42 MMBTU/H

NOX 0.0730 LB/MMBTU, GAS FIRED
 0.2000 LB/MMBTU, OIL FIRED
 COMBUSTION
 CO 0.0820 LB/MMBTU, GAS FIRED
 0.0820 LB/MMBTU, OIL FIRED
 COMBUSTION
 VOC 0.0410 LB/MMBTU, GAS FIRED
 0.0410 LB/MMBTU, OIL FIRED
 COMBUSTION
 PM 0.0400 LB/MMBTU, GAS FIRED
 0.4100 LB/MMBTU, OIL FIRED
 MET SUPPRESSION, BAGHOUSE
 PM10 0.0300 LB/MMBTU, GAS FIRED
 0.4000 LB/MMBTU, OIL FIRED
 MET SUPPRESSION, BAGHOUSE
 COMBUSTION
 SO2 0.3100 LB/MMBTU
 43.2000 LB/H
 COMBUSTION

NOTES -----
 CONSTRUCTION OF STEAM ELEC COGEN FACILITY, 253932 T/YR COAL, 28600 T/YR WOOD , 8400 H/YR COAL BOILER OPERATION. AUX DOES NOT OPERATE WITH COAL UNIT EXCEPT FOR START-UP, SHUT-DOWN, FOR 12 H MAX PER 24H, OR WHEN COAL UNITS ARE AT 50% MAX OR LESS.
 PRIME BOILER FUEL=COAL AT 1.5% S MAX, AUX BOILER FUEL IS NAT GAS/#2 OIL. #2 OIL=0.3% S MAX & 0.2% AVG. CEM'S FOR VE,SOX,NOX,C O,OR O2. CEM'S USED TO DETERMINE COMPLIANCE FOR SO2 & NOX. AUX BOILER STACK=200 FT MIN. SNCR IS EXXON'S THERMAL DENOX.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE. DATE ENTERED/UPDATED: 04/30/1990

APPENDIX -- DETAILED SOURCE LISTING

05/30/1990

=====

SOURCE TYPE/SIZE	EXTERNAL COMBUSTION - MULTIPLE FUELS	99.00 MMBTU/H

COMPANY NAME/SITE LOCATION	HOLLY FARMS POULTRY INDUSTRIES, INC.	WILKESBORO, NC

DETERMINATION IS BACT FOR A NEW SOURCE. PERMIT NO. 3354R7 DETERMINATION MADE BY NORTH CAROLINA DEM (AGENCY)	MIKE SEWELL (AGENCY CONTACT PERSON)	DATE OF PERMIT ISSUANCE-- 11/30/87 ESTIMATED DATE OF START-UP-- 1990 (919)-733-3340 (PHONE)

=====

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF

BOILER, COAL/WOOD FIRED	99.00 MMBTU/H	SO2	1.6000 LB/MMBTU LOW SULFUR COAL, 0.94%	
		NOX	0.7000 LB/MMBTU CONTROL OF EXCESS AIR	
		ACI*	1.8900 LB/H LOW SULFUR COAL, 0.94%	

NOTES -----
SOURCE IS NOT NSPS

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 12/23/1987

APPENDIX -- DETAILED SOURCE LISTING

05/30/1990

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SOURCE TYPE/SIZE          EXTERNAL COMBUSTION - MULTIPLE FUELS          1029.00 MMBTU/H
-----
COMPANY NAME/SITE LOCATION HOPEWELL COGENERATION LIMITED PARTNERSH*          , VA          PRINCE GEORGE COUNTY
-----
DETERMINATION IS B/N FOR A NEW SOURCE.          DATE OF PERMIT ISSUANCE-- 07/01/88
PERMIT NO. 50967          ESTIMATED DATE OF START-UP-- 1988
DETERMINATION MADE BY VIRGINIA DAPC          KATHERINE MILLER          (804)-786-1433
          (AGENCY)          (AGENCY CONTACT PERSON)          (PHONE)
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PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
TURBINE, NAT GAS FIRED, 3 EA	1030.00 MMBTU/H	PM10	7.2500 EE-4 LB/MMBTU 0.6000 LB/H	
		SO2	7.5000 EE-4 LB/MMBTU 0.6200 LB/H	
			SULFUR CONTENT OF FUEL	
		VOC	0.7000 LB/H 3.1000 T/YR	
		CO	25.2000 LB/H 102.0000 T/YR	
			STEAM INJ	
		NO2	42.0000 PPMV DRY AT 15% O2 686.0000 T/YR	
TURBINE, OIL FIRED, 3 EA	1029.00 MMBTU/H	PM	0.0340 LB/MMBTU 28.0000 LB/H	
		SO2	0.2100 LB/MMBTU 216.0000 LB/H	
			SULFUR CONTENT OF FUEL	
		VOC	6.6000 LB/H 266.0000 T/YR	
		CO	25.5000 LB/H 103.5000 T/YR	
		NO2	65.0000 PPMV DRY AT 15% O2 1133.3000 T/YR	

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 10/15/1988

(CONTINUED) HOPEWELL COGENERATION LIMITED PARTNERSH*

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
SAME PROCESS (CONTINUED)				
BOILER, AUX, NAT GAS FIRED, 2 EA	197.00 MMBTU/H	PB	5.6900 EE-3 LB/H 0.0223 T/YR	
		PM10	0.1000 LB/MMBTU 19.7000 LB/H	
		SO2	2.0000 EE-4 LB/MMBTU 0.0400 LB/H	
			FUEL SULFUR CONTENT	
		NO2	0.1000 LB/MMBTU 19.7000 LB/H	
			BOILER DESIGN	
		CO	17.1000 LB/H 74.5000 T/YR	
		VOC	1.0000 LB/H 4.3000 T/YR	
BOILER, AUX, OIL FIRED, 2 EA	197.00 MMBTU/H	PM	0.1000 LB/MMBTU 19.7000 LB/H	
		SO2	0.2000 LB/MMBTU 39.4000 LB/H	
			FUEL SULFUR CONTENT	
		NO2	0.1000 LB/MMBTU 19.7000 LB/H	
			BOILER DESIGN	
		CO	17.1000 LB/H 74.9000 T/YR	
		VOC	1.0000 LB/H 4.3000 T/YR	
		PB	1.1000 EE-3 LB/H 4.8200 EE-3 T/YR	

NOTES -----

TURBINE LIMITED TO =<57.73 MMGAL #2 FUEL OIL OR 8.11 MMCF NAT GAS ANNUALLY. EACH AUX BOILER LIMITED TO =<12.33 MMGAL #2 FUEL OR 1.73 MMCF NAT GAS ANNUALLY. NSPS SUBPART GG & SUBPART DB APPLY. SO2,NOX,ICE FOG, & EMERGENCY FUEL EXCESS EMIS REPORTS DUE. NON-CRITERIA EMIS CONTROLLED BY FUEL USAGES. CONTIN. MONIT. SYSTEM MONITORS SULFUR & NITROGEN CONTENT OF THE #2 FUEL FIRED IN THE TURBINES. SULFUR CONTENT OF THE OIL LIMITED TO 0.2% BY WT.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 10/15/1988

05/30/1990

COMPANY NAME/SITE LOCATION MCNEIL ELECTRIC GEN. STATION , VT
BURLINGTON ELECTRIC DEPT.

PERMIT NO. VT-0002A

DETERMINATION MADE BY VERMONT ANR, APCD
(AGENCY)

JOHN PERREAULT
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 09/15/89

ESTIMATED DATE OF START-UP-- 1984

(802)-244-8731

(PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BOILER, MULTI-FUEL	670.00 MMBTU/H, MO*			
		PM	0.0070 GR/DSCF AT 12% CO2 ESP & MECHANICAL DUST COLLECTOR	MSER 99.50
		NOX	0.2000 LB/MMBTU, WOOD FIRED 0.3000 LB/MMBTU, OIL FIRED DESIGN & GOOD COMBUSTION PRACTICES	MSER
		NOX	0.1300 LB/MMBTU, GAS FIRED LOW NOX BURNERS/ADD ON CONTROL DEVICE	MSER
		CO	1500.0000 PPMV, 1H AVG DESIGN & GOOD COMBUSTION PRACTICES	MSER
		S	0.3000 % BY WT SULFUR, OIL FIRING ONLY	MSER

MSER, MOST STRINGENT EMIS RATE, IS VERMONT'S EQUIV OF FED BACT/LAER REVIEW. SPECS OF PM CONTROL EQUIP UNDER VT-0002. WHEN FIRING MORE THAN 1 FUEL TYPE IN FURNACE ALLOWABLE NOX EMIS RATES ARE PRORATED BASED ON HEAT INPUT. ONLY 3 OF 6 BURNERS CAN FIRE DISTIL OIL, THEREBY RESTRICTING HEAT INPUT BELOW 250 MMBTU/H. OTHER PERMIT CONDITIONS INCLUDE-LIMITS ON VE, FUEL CONSUMPTION, CEMS FOR VE, NOX, CO, CO2, RECORD KEEPING, COMPLIANCE EMIS TESTING & MONITORING, & FUGITIVE PM CONTROLS.

DATE ENTERED/UPDATED: 02/28/1990

(CONTINUED) MECKLENBURG COGENERATION LIMITED PARTNE*

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
SAME PROCESS (CONTINUED)				
		SO2	0.3100 LB/MMBTU 94.5000 LB/H GOOD COMBUSTION/OPERATING PRACTICES	
		NOX	0.4000 LB/MMBTU 121.9000 LB/H GOOD COMBUSTION/OPERATING PRACTICES	
		CO	0.2000 LB/MMBTU 61.0000 LB/H GOOD COMBUSTION/OPERATING PRACTICES	
		VOC	0.0100 LB/MMBTU 3.1000 LB/H GOOD COMBUSTION/OPERATING PRACTICES	

NOTES -----

ANNUAL EMISSIONS BASED ON 91.8% CAPACITY FACTOR. COAL S LIMITED TO 1.3%, 30D ROLLING AVG & 1%, ANNUAL AVG. VE LIMIT IS 10% OPA CITY. STACK TEST REQUIRED FOR PM10, SO2, NOX, VOC, BE. MAX 3H SO2 EMISSION LIMIT = 0.25 LB/MMBTU. #2 FUEL OIL S CONTENT LIMITED TO 0.3% , 30D ROLLING AVG, 0.2% ANNUALLY.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 05/18/1990

APPENDIX -- DETAILED SOURCE LISTING

05/30/1990

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SOURCE TYPE/SIZE EXTERNAL COMBUSTION - MULTIPLE FUELS 120.00 MMBTU/H

COMPANY NAME/SITE LOCATION MERCK SHARP & DOHME

, PA

DETERMINATION IS BACT FOR A MODIFIED SOURCE.

PERMIT NO. 46-302-169

DETERMINATION MADE BY PENNSYLVANIA DER
(AGENCY)BILL SCHILDT
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 09/16/87

ESTIMATED DATE OF START-UP--

(717)-787-9256

(PHONE)

=====

PROCESSSES SUBJECT THROUGHPUT POLLUTANT EMISSION LIMITS ... & BASIS
TO THIS PERMIT CAPACITY EMITTED CONTROL EQUIPMENT OR PROCESS MODIFICATION ... PCT EFF

BOILER

120.00 MMBTU/H

SO2
NOX0.5000 % S BY WT. FUEL
0.2000 LB/MMBTU
LEA, LOW NOX BURNBACT
BACT

NOTES -----

CEM FOR NOX, OIL & GAS FIRED.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 11/02/1987

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PAGE H- 126

ID NUMBER PA-0039

SOURCE TYPE CODE 1.5

APPENDIX -- DETAILED SOURCE LISTING

05/30/1990

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SOURCE TYPE/SIZE      EXTERNAL COMBUSTION - MULTIPLE FUELS      25.00 MM
-----
COMPANY NAME/SITE LOCATION  MERCK SHARP & POHME      WEST POINT, PA
-----
DETERMINATION IS BACT FOR A NEW SOURCE.      DATE OF PERMIT ISSUANCE-- 05/11/88
PERMIT NO. 46-306-002      ESTIMATED DATE OF START-UP-- 1989
DETERMINATION MADE BY PENNSYLVANIA DER      BILL SCHILDT
      (AGENCY)      (AGENCY CONTACT PERSON)      (717)-787-9256
      (PHONE)
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=====
PROCESSES SUBJECT      THROUGHPUT      POLLUTANT      EMISSION LIMITS      ... & BASIS
TO THIS PERMIT      CAPACITY      EMITTED      CONTROL EQUIPMENT OR PROCESS MODIFICATION      ... PCT EFF
-----
TURBINE      310.00 MMBTU/H      NOX      42.0000 PPM AT 15% O2      BACT
      STEAM INJECTION
  
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NOTES -----

G.E. FRAME 5, GAS & OIL FIRED. SAME NOX LIMITATION AT 15% O2 DRY CEM - NOX, SOX, OPACITY.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 06/22/1988

APPENDIX -- DETAILED SOURCE LISTING

05/30/1990

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SOURCE TYPE/SIZE      EXTERNAL COMBUSTION - MULTIPLE FUELS      120.00 MMBTU/H
-----
COMPANY NAME/SITE LOCATION  MULTITRADE OF MARTINSVILLE, INC.      , VA      HENRY COUNTY
-----
DETERMINATION IS  B/N FOR A NEW SOURCE.      DATE OF PERMIT ISSUANCE-- 07/24/87
PERMIT NO. 30826      ESTIMATED DATE OF START-UP-- 1989
DETERMINATION MADE BY VIRGINIA SAPCB      (804)-786-1433
      (AGENCY)      KATHERINE MILLER      (PHONE)
      (AGENCY CONTACT PERSON)
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PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BOILER	120.00 MMBTU/H	PM	0.1000 LB/MMBTU 12.0000 LB/H MULTICYCLONE FOLLOWED BY AN ESP	97.00 NSPS
		SO2	1.2000 LB/MMBTU 155.9800 LB/H, MAX	
		NO2	0.6000 LB/MMBTU 72.0000 LB/H	
		CO	0.4400 LB/MMBTU 53.3300 LB/H	
		VOC	0.1600 LB/MMBTU 18.6700 LB/H	
SILO, COAL HANDLING		PM	0.0200 GR/DSCF AT STD CONDITIONS 1.0300 LB/H CYCLONE & BAGHOUSE IN SERIES	99.00
SILO, ASH HANDLING		PM	3.0000 GR/DSCF AT STD CONDITIONS 12.3500 LB/H CYCLONE & BAGHOUSE IN SERIES	99.75

NOTES -----
 CONSTRUCTION OF A 120 MMBTU/H WOOD/COAL COGEN BOILER. SOURCE IS LIM. TO 30% COAL USAGE/YR. PSD PERMIT PENDING. COAL SULFUR CON
 TENT NOT TO EXCEED 0.8% BY WT, 30 D AVG, NOR 0.9% BY WT PER SHIPMENT. 90% SO2 REDUCTION NOT REQ. DUE TO THE 30% MAX
 COAL USAGE/YR, NSPS. FUG. EMIS FROM WOOD HANDLING & STORAGE CONTROLLED USING WASHED COAL, COVERED CONVEYORS, ENCLOSED ASH HANDL
 ING SYS, & H2O SPRAYS. FUG. DUST FROM WOOD HANDLING & STORAGE CONTROLLED BY H2O SPRAYS. TESTING REQ. FOR PM, SO2, & NOX.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 11/02/1987

APPENDIX -- DETAILED SOURCE LISTING

05/30/1990

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SOURCE TYPE/SIZE	EXTERNAL COMBUSTION - MULTIPLE FUELS	537.00 MMBTU/H

COMPANY NAME/SITE LOCATION	P.H. GLATFELLER CO.	, PA
		YORK COUNTY

DETERMINATION IS BACT		DATE OF PERMIT ISSUANCE-- 02/11/88
PERMIT NO. 67-306-006		ESTIMATED DATE OF START-UP--
DETERMINATION MADE BY PENNSYLVANIA DER	BILL SCHILDT	(717)-787-9256
(AGENCY)	(AGENCY CONTACT PERSON)	(PHONE)

=====

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF

BOILER, COAL FIRED	633.00 MMBTU/H			
		PM	0.0500 LB/MMBTU	NSPS
			ESP	99.92
		SO2	1.2000 LB/MMBTU	NSPS
			90.0000 % REDUCTION	
			LIMESTONE INJECTION	90.00
		NOX	0.6000 LB/MMBTU	BACT
		CO	0.1600 LB/MMBTU	NSPS
		VE	10.0000 % OPACITY	BACT

NOTES -----

BOILER WILL BURN BITUMINOUS COAL & WOOD WASTE. CEM-SO2,NOX,OPACITY.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 05/17/1988

APPENDIX -- DETAILED SOURCE LISTING

05/30/1990

SOURCE TYPE/SIZE EXTERNAL COMBUSTION - MULTIPLE FUELS 212.00 MM

COMPANY NAME/SITE LOCATION PACIFIC THERMONETICS, INC. CROCKETT, CA CONTRA COSTA COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE. PERMIT NO. NSR 4-4-3, SFB 85-02

DETERMINATION MADE BY EPA REGION IX LINH TRAN (AGENCY CONTACT PERSON) (415)-974-7631 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT THROUGHPUT CAPACITY EMITTED POLLUTANT EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION ... PCT EFF

TURBINE, GAS, FRAME 7, 2 EA 1015.00 MMBTU/H

NOX 25.0000 PPMV AT 15%, NAT. GAS 42.0000 PPMV AT 15%, FUEL OIL
 PM 0.0400 GR/DSCF LIMITED TO 330 H/YR OF FUEL OIL FIRING
 0.1100 % S BY WT. LOW S FUEL OIL & LIMITED TO 330 H/YR
 NOX 0.1000 LB/MMBTU LO-NOX BURNER
 PM USE OF NAT. GAS IN THE HRSG BURNERS

BURNER, DUCT, HRSG, 2 EA 352.50 MMBTU/H

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE. DATE ENTERED/UPDATED: 02/28/1986

APPENDIX -- DETAILED SOURCE LISTING

05/30/1990

SOURCE TYPE/SIZE EXTERNAL COMBUSTION - MULTIPLE FUELS

COMPANY NAME/SITE LOCATION S.D. WARREN CO.

MUSKEGON, MI

DETERMINATION IS BACT FOR A NEW SOURCE.

PERMIT NO. 29-86

DETERMINATION MADE BY MICHIGAN DNR
(AGENCY)

DHRUMAN SHAH
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 10/21/86

ESTIMATED DATE OF START-UP-- 1989

(517)-373-7023
(PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BOILER	395.00 MMBTU/H			
		PM	0.0600 LB/MMBTU, COAL/WOOD > 5% 0.0500 LB/MMBTU, COAL/WOOD < 5% ESP	B/N 99.00
		SO2	1.2000 LB/MMBTU, COAL/WOOD 90.0000 % REDUCTION, COAL/WOOD DRY SCRUBBER	NSPS 90.00
		SO2	0.8000 LB/MMBTU, FUEL OIL 90.0000 % REDUCTION, FUEL OIL DRY SCRUBBER	NSPS 90.00
		NOX	0.7000 LB/MMBTU, COAL/WOOD COMBUSTION DESIGN & CONTROLS	BACT
		CO	0.5000 LB/MMBTU COMBUSTION DESIGN & CONTROLS	BACT
		TRS	5.0000 PPMV MIN FIREBOX TEMP & RESID. TIME, 1200 F & 0.5 S*	NSPS

NOTES -----

BOILER IS CAPABLE OF FIRING PULVERIZED COAL, BARK/WOOD RESIDUE IN SUSPENSION, NATURAL GAS, & #6 OIL. PRIMARY FUEL IS A 50-50 MIXTURE, BY HEAT INPUT, OF COAL & WOOD.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 05/01/1990

APPENDIX -- DETAILED SOURCE LISTING

05/30/1990

SOURCE TYPE/SIZE EXTERNAL COMBUSTION - MULTIPLE FUELS

COMPANY NAME/SITE LOCATION TEXAS UTILITIES ELECTRIC CO.

SAVOY, TX

FANNIN COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.

PERMIT NO. 17545

DETERMINATION MADE BY TEXAS ACB

(AGENCY)

JAMES CROCKER
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 03/10/87

ESTIMATED DATE OF START-UP-- 1988

(517)-451-5711

(PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BOILER	175.00 MM	VOC	28.5000 T/YR	BACT
		NOX	1822.0000 T/YR	
		SO2	3989.0000 T/YR	
		PM	365.5000 T/YR	
		CO	131.4000 T/YR	

NOTES -----

GRANDFATHERED STEAM GENERATING BOILER. FIRED BY #2 OIL & USED LUBRICATING FLUIDS. INSIGNIFICANT EMISSION OF HCL, AS, CD, CR, &
PB AIR CONTAMINANTS IN THE COMBUSTION PRODUCTS.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 04/29/1988

APPENDIX -- DETAILED SOURCE LISTING

05/30/1990

SOURCE TYPE/SIZE EXTERNAL COMBUSTION - MULTIPLE FUELS

COMPANY NAME/SITE LOCATION THE DEXTER CORP. WINDSOR LOCKS, CT
 TWO ELM ST.

DETERMINATION IS BACT FOR A NEW SOURCE. DATE OF PERMIT ISSUANCE-- 09/29/89
 PERMIT NO. 213-0029 ESTIMATED DATE OF START-UP-- 1989
 DETERMINATION MADE BY CONNECTICUT DEP (203)-566-8230
 (AGENCY) MARK PEAK (PHONE)
 (AGENCY CONTACT PERSON)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
TURBINE, NAT GAS & #2 FUEL OIL *	555.20 MMBTU/H NAT*	PM	0.0140 LB/MMBTU GAS FIRING 0.0350 LB/MMBTU OIL FIRING	
		SO2	0.1200 PPMVD AT 15% O2 GAS FIRING 51.0000 PPMVD AT 15% O2 OIL FIRING LOW SULFUR FUEL - 0.28%	
		NOX	42.0000 PPMVD AT 15% O2 GAS FIRING 62.0000 PPMVD AT 15% O2 OIL FIRING STEAM INJECTION	
		CO	0.1120 LB/MMBTU GAS FIRING 0.1090 LB/MMBTU OIL FIRING	

NOTES -----

THIS GAS TURBINE IS OPERATED SIMULTANEOUSLY WITH 2 NEBRASKA BOILERS & IS PART OF A 56 MW COGENERATION FACILITY.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 04/30/1990

APPENDIX -- DETAILED SOURCE LISTING

05/30/1990

SOURCE TYPE/SIZE

EXTERNAL COMBUSTION - MULTIPLE FUELS

COMPANY NAME/SITE LOCATION

THE DEXTER CORP.
TWO ELM ST.

WINDSOR LOCKS, CT

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 213-0031 & 32
DETERMINATION MADE BY CONNECTICUT DEP
(AGENCY)MARK PEAK
(AGENCY CONTACT PERSON)DATE OF PERMIT ISSUANCE-- 09/29/89
ESTIMATED DATE OF START-UP-- 1989
(203)-566-8230
(PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BOILER, NEBRASKA, #1	177.60 MMBTU/H GAS*	PM	0.0050 LB/MMBTU GAS FIRING 0.0140 LB/MMBTU OIL FIRING	
		SO2	0.1100 PPMVD AT 15% CO2 GAS FIRING 52.0000 PPMVD AT 15% CO2 OIL FIRING LOW SULFUR FUEL OIL - 0.28%	
		NOX	29.0000 PPMVD AT 15% O2 GAS FIRING 52.0000 PPMVD AT 15% O2 OIL FIRING LOW NOX BURNERS	
		CO	0.0820 LB/MMBTU	
BOILER, NEBRASKA, #2	177.60 MMBTU/H GAS*	PM	0.0050 LB/MMBTU GAS FIRING 0.0140 LB/MMBTU OIL FIRING	
		SO2	0.1100 PPMVD AT 15% CO2 GAS FIRING 52.0000 PPMVD AT 15% CO2 OIL FIRING LOW SULFUR FUEL OIL - 0.28%	
		NOX	29.0000 PPMVD AT 15% O2 GAS FIRING 52.0000 PPMVD AT 15% O2 OIL FIRING LOW NOX BURNERS	
		CO	0.0820 LB/MMBTU	

NOTES -----

THIS NEBRASKA BOILER IS OPERATED SIMUTANEOUSLY WITH ANOTHER NEBRASKA BOILER & A GE GAS TURBINE & FORMS A 56 MW COGENERATION FACILITY.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 04/30/1990

APPENDIX -- DETAILED SOURCE LISTING

05/30/1990

SOURCE TYPE/SIZE EXTERNAL COMBUSTION - MULTIPLE FUELS

COMPANY NAME/SITE LOCATION TONDU ENERGY SYSTEMS, INC.

FILER CITY, MI

DETERMINATION IS FOR A NEW SOURCE.

PERMIT NO. 519-87

DETERMINATION MADE BY MICHIGAN DNR, AQD
(AGENCY)DHRUMAN SHAH
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 10/20/87

ESTIMATED DATE OF START-UP-- 1989

(517)-373-7023
(PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BOILER, COAL/WOOD FIRED, FLUIDI*	689.00 MMBTU/H			
		PM	0.0140 LB/MMBTU 10.0000 % OPACITY BAGHOUSE	BACT 99.30
		SO2	0.4500 LB/MMBTU 30D ROLL AVG 1.2000 LB/MMBTU 24H ROLL AVG MAX 3% SULFUR, LIMESTONE INJ.	BACT 90.00
		NOX	0.5000 LB/MMBTU 30D ROLL AVG BOILER DESIGN & COMBUST CONTROLS	BACT
		CO	0.2000 LB/MMBTU 8H ROLL AVG STACK MONITORS BOILER DESIGN & COMBUST CONTROLS	BACT

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 05/01/1990

APPENDIX -- DETAILED SOURCE LISTING

05/30/1990

SOURCE TYPE/SIZE

EXTERNAL COMBUSTION - OTHER

COMPANY NAME/SITE LOCATION

COGENTRIX VIRGINIA LEASING CORP.

PORTSMOUTH, VA

DETERMINATION IS
PERMIT NO. 61049DETERMINATION MADE BY VIRGINIA APCB
(AGENCY)CATHY TAYLOR
(AGENCY CONTACT PERSON)DATE OF PERMIT ISSUANCE-- 12/23/86
ESTIMATED DATE OF START-UP-- 1987
(804)-786-7767
(PHONE)PROCESSES SUBJECT
TO THIS PERMITTHROUGHPUT
CAPACITYPOLLUTANT
EMITTED

EMISSION LIMITS

CONTROL EQUIPMENT OR PROCESS MODIFICATION

... & BASIS
... PCT EFF

GENERATOR, STEAM, 6 EA

200.00 MMBTU/H

PM

0.0300 LB/MMBTU

5.9000 LB/H

BAGHOUSE

99.00

SO2

1.5200 LB/MMBTU

304.0000 LB/H

LOW SULFUR COAL, 0.9%

VOC

3.0000 EE-3 LB/MMBTU

0.6000 LB/H

NO2

120.0000 LB/H

565.6000 T/YR

CO

120.0000 LB/H

565.6000 T/YR

NOTES -----

LIMITED TO 430992 TONS OF FUEL CONSUMED PER YEAR. CONSTRUCT A STEAM ELECTRICITY COGENERATION FACILITY. TO BE TESTED FOR PM & N
OX.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 04/15/1987

APPENDIX -- DETAILED SOURCE LISTING

05/30/1990

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SOURCE TYPE/SIZE	EXTERNAL COMBUSTION - OTHER	120.00 MW

COMPANY NAME/SITE LOCATION	CONTINENTAL ENERGY ASSOC.	HAZELTON, PA
		LUZERNE COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.		DATE OF PERMIT ISSUANCE-- 07/26/88
PERMIT NO. 40-306-007		ESTIMATED DATE OF START-UP--
DETERMINATION MADE BY PENNSYLVANIA BAQC	MIKE SAFKO	(717)-826-2531
(AGENCY)	(AGENCY CONTACT PERSON)	(PHONE)

=====

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF

BOILER, HEAT RECOVERY	270.00 MMBTU/H			
		PM	0.0300 LB/MMBTU	BACT
		SO2	0.9060 LB/MMBTU	BACT
			0.5000 % S FUEL	
		NOX	0.1100 LB/MMBTU	BACT
GASIFIER, COAL, 16 EA	1.50 T/H	PM		
			16 CYCLONE SEPERATORS	95.00
TURBINE, NAT GAS	785.00 MMBTU/H			
		SO2	150.0000 PPM AT 15% O2 DRY	B/N
		NOX	75.0000 PPM AT 15% O2 DRY	B/N
			STEAM INJ.	

NOTES -----

ANTHRACITE COAL/CULM. FOUR GASIFERS - BACK-UP UNITS. NO NORMAL EXHAUST TO ATMOSPHERE FROM GASIFERS. EMERGENCY VENT IS CONTROLL
ED BY A FLARE.

HEAT RECOVERY BOILER IS DUCT BURNERS - COAL GAS FEED. NATURAL GAS TURBINE IS 70 MWE.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 06/01/1989

APPENDIX -- DETAILED SOURCE LISTING

05/30/1990

SOURCE TYPE/SIZE

EXTERNAL COMBUSTION - OTHER

140.00 MM

COMPANY NAME/SITE LOCATION

PACIFIC GAS & ELECTRIC CO.

, CA

LAKE COUNTY

PERMIT NO. NC 84-02

DATE OF PERMIT ISSUANCE-- 08/29/85

ESTIMATED DATE OF START-UP-- 1987

(AGENCY)

BOB BAKER (AGENCY CONTACT PERSON)

(PHONE)

(415)-974-8923

PROCESSES SUBJECT TO THIS PERMIT

THROUGHPUT CAPACITY

POLLUTANT EMITTED

EMISSION LIMITS

CONTROL EQUIPMENT OR PROCESS MODIFICATION ... PCT EFF

POWER PLANT

140.00 MM

H2S

11.2500 LB/H

CATALYST ALONG W/TURBINE BYPASS
STRETFORD SYS. W/H2O2

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

PAGE H- 138 ID NUMBER CA-0181 SOURCE TYPE CODE 1.6

APPENDIX -- DETAILED SOURCE LISTING

05/30/1990

SOURCE TYPE/SIZE EXTERNAL COMBUSTION - OTHER

COMPANY NAME/SITE LOCATION SOUTHERN CALIFORNIA EDISON CO. , CA

DETERMINATION IS BACT FOR A NEW SOURCE.
 PERMIT NO. 146912
 DETERMINATION MADE BY SOUTH COAST AQMD
 (AGENCY)

BILL BEHJAT
 (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 12/02/86
 ESTIMATED DATE OF START-UP-- 1987
 (818)-572-6167
 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BLASTING ROOM, ABRASIVE		PM	3.4000 LB/D SMALL BAGHOUSE	BACT 98.00

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 06/02/1988

APPENDIX -- DETAILED SOURCE LISTING

05/30/1990

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=====
SOURCE TYPE/SIZE          EXTERNAL COMBUSTION - OTHER          121.00 MM
-----
COMPANY NAME/SITE LOCATION SOUTHERN CALIFORNIA EDISON CO.          DAGGETT, CA
                          37072 E. SANTA FE ST.
-----
DETERMINATION IS          FOR A MODIFIED SOURCE.          DATE OF PERMIT ISSUANCE-- 02/03/88
PERMIT NO. SE 80-01
DETERMINATION MADE BY EPA REGION IX          JANET STROMBERG          ESTIMATED DATE OF START-UP--
                          (AGENCY)          (AGENCY CONTACT PERSON)          (415)-974-8218
                                          (PHONE)
=====

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=====
PROCESSES SUBJECT          THROUGHPUT          POLLUTANT          EMISSION LIMITS          ... & BASIS
TO THIS PERMIT          CAPACITY          EMITTED          CONTROL EQUIPMENT OR PROCESS MODIFICATION          ... PCT EFF
-----
BOILER, COAL GASIFIER
                          NOX          50.0000 PPMV          BACT
                          144.0000 LB/H
                          WATER SATURATOR
                          CO          50.0000 PPMV          BACT
                          77.0000 LB/H
                          COMBUSTION PROCESS
                          PM          CARBON SCRUBBER          UNRG
                          99.00
                          SO2          9.4000 LB/H, LOW S COAL          UNRG
                          LOW S COAL IS <0.7% S
                          SO2          65.0000 LB/H, HIGH S COAL          UNRG
                          HIGH S COAL IS >0.7% S

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NOTES -----

MINOR MODIFICATION OF EXISTING PERMIT.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 06/22/1988

APPENDIX -- DETAILED SOURCE LISTING

05/30/1990

SOURCE TYPE/SIZE EXTERNAL COMBUSTION - OTHER

COMPANY NAME/SITE LOCATION TEXACO CHEMICAL CO. GROVES, TX JEFFERSON COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.

PERMIT NO. 16909

DETERMINATION MADE BY TEXAS ACB
(AGENCY)

KAREN HORNE
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 05/08/86
ESTIMATED DATE OF START-UP-- 1987
(512)-451-5711
(PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
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BOILER, 2

PM	52.6000 T/YR
	GEP
CO	570.0000 T/YR
HCL	3.6000 T/YR

BACT

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 01/29/1988

APPENDIX -- DETAILED SOURCE LISTING

05/30/1990

SOURCE TYPE/SIZE EXTERNAL COMBUSTION - OTHER

COMPANY NAME/SITE LOCATION THERMAL ENERGY DEVELOPMENT CORP. , CA

DETERMINATION IS FOR A NEW SOURCE.

PERMIT NO. 87-25

DETERMINATION MADE BY SAN JOAQUIN CO. APCD
(AGENCY)SEYED SADREDIN
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 12/11/87

ESTIMATED DATE OF START-UP-- 1989

(209)-468-3474

(PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
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BOILER, BIOMASS FIRED

20.50 MM

NOX

667.8000 LB/D

0.1050 LB/MMBTU

THERMAL DE-NOX SYSTEM
COMBUSTION MANGEMENT

75.00

SOX

381.0000 LB/YR

LIMESTONE INJ.
FUEL MIX CONTROLS

50.00

PM

251.0000 LB/D

0.0150 GR/DSCF AT 12% CO2

ESP & WET DUST SUPPRESSION

BACT

99.90

CO

1310.6000 LB/D

0.2100 LB/MMBTU

EFFECTIVE COMBUSTION

VOC

307.0000 LB/D

0.0490 LB/MMBTU

EFFECTIVE COMBUSTION

NOTES -----

ACTUAL PLANT HAS NOT BEEN CONTRACTED FOR YET.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 06/02/1988

APPENDIX -- DETAILED SOURCE LISTING

05/30/1990

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=====
SOURCE TYPE/SIZE          EXTERNAL COMBUSTION - OTHER          25.00 MW
-----
COMPANY NAME/SITE LOCATION THERMAL POWER          BEAR CREEK CANYON, CA
                                           LAKE COUNTY
-----
DETERMINATION IS          FOR A NEW SOURCE.          DATE OF PERMIT ISSUANCE-- 05/20/85
PERMIT NO. NC 84-01
DETERMINATION MADE BY EPA REGION IX          MATT HABER          ESTIMATED DATE OF START-UP--
                                           (AGENCY CONTACT PERSON) (415)-974-8209
                                           (PHONE)
=====
  
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=====
PROCESSES SUBJECT          THROUGHPUT          POLLUTANT          EMISSION LIMITS          ... & BASIS
TO THIS PERMIT          CAPACITY          EMITTED          CONTROL EQUIPMENT OR PROCESS MODIFICATION ... PCT EFF
-----
POWER PLANT, GEOTHERMAL          25.00 MW          H2S          2.0000 LB/H          BACT
                                           STRETFORD PROCESS, H2O2/FE CATALYST, TURBINE B*
=====
  
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(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 02/28/1986

APPENDIX -- DETAILED SOURCE LISTING

05/30/1990

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SOURCE TYPE/SIZE	EXTERNAL COMBUSTION - OTHER	49.90 MM
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COMPANY NAME/SITE LOCATION	VALLEY POWER ASSOC. APPROX. 2 MI. SOUTH OF DELANO	, CA	KERN COUNTY
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DETERMINATION IS BACT FOR A NEW SOURCE. PERMIT NO. SJ 84-02 DETERMINATION MADE BY EPA REGION IX (AGENCY)	LINH TRAN (AGENCY CONTACT PERSON)	DATE OF PERMIT ISSUANCE-- 09/24/84 ESTIMATED DATE OF START-UP-- 1986 (415)-974-7631 (PHONE)
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PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
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BOILER	190000.00 LB/H STEAM	SO2	38.0000 PPMV LIMESTONE INJECTION	80.00
		NOX	143.0000 PPMV COMBUSTION CONTROLS-STAGED COMBUSTION & LEA	60.00
		CO	329.0000 PPMV COMBUSTION CONTROLS	

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 05/10/1986

APPENDIX -- DETAILED SOURCE LISTING

05/30/1990

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=====
SOURCE TYPE/SIZE          EXTERNAL COMBUSTION - OTHER          1875.00 MMBTU/H
-----
COMPANY NAME/SITE LOCATION  VIRGINIA POWER          CHESTERFIELD, VA
-----
DETERMINATION IS B/L FOR A NEW SOURCE.
PERMIT NO. 50396
DETERMINATION MADE BY VIRGINIA SAPCB
(AGENCY)
KATHERINE MILLER
(AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 04/15/88
ESTIMATED DATE OF START-UP-- 1990
(804)-786-1433
(PHONE)
=====

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PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION ... & BASIS ... PCT EFF
TURBINE, GE,2 EA	1875.00 MMBTU/H	PM	0.0110 LB/MMBTU 19.0000 LB/H EQUIPMENT DESIGN
		SO2	0.3300 LB/MMBTU 572.0000 LB/H 0.3% BY WT SULFUR LIMIT ON FUEL
		VOC	17.0000 LB/H
		NOX	42.0000 PPM 490.0000 LB/H STEAM INJ. N/MAXIMAZATION NSPS SUBPART GG
		CO	140.0000 LB/H 544.0000 T/YR EQUIPMENT DESIGN
		PB	0.0330 LB/H 0.1340 T/YR EQUIPMENT DESIGN

NOTES -----

NAT GAS/DISTL OIL/COAL GAS FUEL. VOC LIMIT SET PER TESTING, SEE COND 12 OF PERMIT,ADJ < 17 LB/H. CONTROL PER EQUIP DESIGN. NON - CRITERIA POLL.-BE,HG,AS,FLUORINES,RADON-222,RADIONUCLIDES,& SULFURIC ACID MIST.MAX FUEL BOUND N2 CONTENT OF FUEL PER UNIT<0.015% BY WT NAT GAS & COAL, & 0.05% BY WT #2 OIL. CEM INSTALL PER SUBPART GG-NSPS GAS TURBINES,SO2 & NOX MON ITORED. NOX LIM-42 PPM. AREA IS NONATTAINMENT FOR OZONE.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 06/03/1988

APPENDIX -- DETAILED SOURCE LISTING

05/30/1990

SOURCE TYPE/SIZE EXTERNAL COMBUSTION - OTHER

COMPANY NAME/SITE LOCATION WHEELABRATOR DELANO ENERGY CO.

, CA

KERN COUNTY

DETERMINATION IS FOR A NEW SOURCE.
 PERMIT NO. 3107001 THRU 8
 DETERMINATION MADE BY KERN CO. APCD
 (AGENCY)

TOM PAXSON
 (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 05/27/88
 ESTIMATED DATE OF START-UP-- 1990
 (805)-861-3682
 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
FUEL RECEIVING OPER. #1		PM	7.7600 LB/H 93.1400 LB/D FABRIC FILTER & H2O SPRAY LIMITED TO 12 H/D	LAER
		VE	20.0000 % OPACITY	
FUEL RECEIVING OPER. #2		PM	3.1800 LB/H 38.1600 LB/D FABRIC FILTER LIMITED TO 12 H/D	
FUEL RECEIVING OPER. #3		PM	2.9100 LB/H 34.9700 LB/D FABRIC FILTER LIMITED TO 12H/D	LAER
RECEIVING & STORAGE, LIMESTONE		PM	0.3100 LB/H 0.3100 LB/D BIN VENT FILTER LIMITED TO 1 LOAD/D, 15 MIN UNLOAD TIME	LAER
RECEIVING & STORAGE, SAND		PM	0.5200 LB/H 0.5200 LB/D BIN VENT FILTER & FABRIC COLLECTOR LIMITED TO 1 LOAD/D	LAER

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 12/15/1988

(CONTINUED) WHEELABRATOR DELANO ENERGY CO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
FUEL RECLAMATION, SCREEN/STORE		PM	0.8300 LB/H 19.9600 LB/D FABRIC COLLECTION VENTILATION SYSTEM	LAER
BOILER, FBC, BIOMASS FIRED	400.00 MMBTU/H	PM	17.7400 LB/H 0.0440 LB/MMBTU MULTICLONE/FABRIC FILTER	LAER
		SOX	13.8800 LB/H 0.0347 LB/MMBTU LIMESTONE INJ	LAER
		NOX	31.9800 LB/H 0.0799 LB/MMBTU EXXON THERMAL DE-NOX	90.00 LAER
		VOC	32.0000 LB/H 0.0800 LB/MMBTU	70.00 LAER
		CO	56.0000 LB/H 0.1400 LB/MMBTU	
MATL HANDLING, ASH		PM	0.0200 LB/H 0.4100 LB/D FABRIC FILTER CONVEYING & STORAGE SYSTEM	LAER

NOTES -----

THREE FABRIC COLLECTORS PLUS STORAGE PILE FUGITIVE EMISSIONS INCLUDED IN FUEL RECEIVING OPERATION #1 PM LIMIT. 400 MMBTU/H BIO MASS FIRED BOILER LIMIT BASED ON A TOTAL PM EMISSION RATE OF 0.02 GR/DSCF.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 12/15/1988

APPENDIX -- DETAILED SOURCE LISTING

05/30/1990

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=====
SOURCE TYPE/SIZE      REFUSE INCINERATION      120.00 T/D
-----
COMPANY NAME/SITE LOCATION  ALTERNATIVE FUELS INDUSTRIES      FRANKLIN, OH
-----
DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 14-759
DETERMINATION MADE BY SOUTHWEST OHIO APCA      THOMAS TUCKER
(AGENCY)      (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 06/17/85
ESTIMATED DATE OF START-UP-- 1986
(513)-251-8777      (PHONE)
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PROCESSES SUBJECT      THROUGHPUT      POLLUTANT      EMISSION LIMITS      ... & BASIS
TO THIS PERMIT      CAPACITY      EMITTED      CONTROL EQUIPMENT OR PROCESS MODIFICATION      ... PCT EFF
-----
INCINERATOR      120.00 T/D
      PM      0.0300 GR/DSCF AT 12% CO2      BACT
      CYCLONE, ESP      98.50
      SO2      9.0000 LB/H      BACT
      LIMESTONE IN COMBUSTION BED      25.00
      NOX      16.6000 LB/H      BACT
      CO      16.0000 LB/H      BACT
      DESIGN & OPERATING PRACTICES      90.00
      VOC      3.8000 LB/H      BACT
      DESIGN & OPERATING PRACTICES      50.00
      BE      0.0220 LB/D      BACT
      HG      7.0500 LB/D      BACT
      HCL      5.3000 LB/H      BACT
      LIMESTONE COMBUSTION BED      40.00
      PB      0.5000 LB/H      BACT
      CYCLONE, ESP      70.00
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(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 11/25/1985

APPENDIX -- DETAILED SOURCE LISTING

05/30/1990

SOURCE TYPE/SIZE

REFUSE INCINERATION

COMPANY NAME/SITE LOCATION AMERICAN REF FUEL OF SE CONNECTICUT
ROUTE 12

PRESTON, CT

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 150-0001
DETERMINATION MADE BY CONNECTICUT DEP
(AGENCY)

MARK HULTMAN
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 12/12/88
ESTIMATED DATE OF START-UP-- 1991
(203)-566-8230
(PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
INCINERATOR, MSW FIRED	300.00 T/D	PM10	0.0150 GR/DSCF AT 12% CO2 FABRIC FILTER	99.70
		SO2	0.3200 LB/MMBTU DRY GAS SCRUBBER	70.00
		NOX	0.6000 LB/MMBTU COMBUSTION TECHNIQUES	
		VOC	70.0000 PPMVD COMBUSTION TECHNIQUES	
		CO	100.0000 PPMVD COMBUSTION TECHNIQUES	99.90
		PB	0.0015 LB/MMBTU DGS/FABRIC FILTER	99.00
INCINERATOR, MSW FIRED	300.00 T/D	PM10	0.0150 GR/DSCF AT 12% CO2 FABRIC FILTER	99.70
		SO2	0.3200 LB/MMBTU DRY GAS SCRUBBER	70.00
		NOX	0.6000 LB/MMBTU COMBUSTION TECHNIQUES	
		VOC	70.0000 PPMVD COMBUSTION TECHNIQUES	
		CO	100.0000 PPMVD COMBUSTION TECHNIQUES	99.90

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 04/30/1990

(CONTINUED) AMERICAN REF FUEL OF SE CONNECTICUT

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF

SAME PROCESS (CONTINUED)		PB	0.0015 LB/MMBTU DGS/FABRIC FILTER	99.00

NOTES -----

THERE ARE TWO DEUTSCHE BABCOCK ANLAGEN 300 T/D MSW FIRED FURNACE/BOILERS AT THIS SOURCE. DRY GAS SCRUBBER FABRIC FILTER TECHNOLOGY & GOOD COMBUSTION TECHNIQUES ARE BACT FOR THIS FACILITY.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 04/30/1990

APPENDIX -- DETAILED SOURCE LISTING

05/30/1990

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=====
SOURCE TYPE/SIZE      REFUSE INCINERATION      2274.00 T/D
-----
COMPANY NAME/SITE LOCATION  AMERICAN REF-FUEL OF ESSEX COUNTY      NEWARK, NJ      ESSEX COUNTY
-----
DETERMINATION IS  B/L FOR A NEW SOURCE.
PERMIT NO.
DETERMINATION MADE BY NEW JERSEY DEP      ROBERT YEATES      DATE OF PERMIT ISSUANCE-- 12/11/85
(AGENCY)      (AGENCY CONTACT PERSON)      ESTIMATED DATE OF START-UP-- 1989
                                           (609)-292-0418
                                           (PHONE)
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PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
INCINERATOR, MASS BURN, 3		PM *	0.0150 GR/DSCF AT 7% O2,SEE NOTE#1 DRY SCRUBBER & ESP	LAER
		PM,*	0.1000 GR/DSCF AT 12% CO2	SIP
		VE	20.0000 % OPACITY EXCEPT < 3 MIN/30 MIN 40.0000 % OPACITY, NEVER EXCEEDED	SIP
		SO2	100.0000 PPMVD AT 7% O2,SEE NOTE#2 DRY SCRUBBER & ESP	BACT
		HCL	50.0000 PPMVD AT 7% O2,SEE NOTE#2 90.0000 % CONTROL	SIP
		HF	0.8200 LB/H DRY SCRUBBER & ESP	BACT
		CO	126.0000 LB/H, ANY 1 H 400.0000 PPMVD AT 7% O2,H AVG,SEE NOTE#2 AUX BURNERS FIRING #2 OIL AUTOMATIC AIR/FUEL CONTROL	BACT
		CO	100.0000 PPMVD AT 7% O2,4 D AVG,SEE NOTE#2 AUX BURNERS FIRING #2 OIL AUTOMATIC AIR/FUEL CONTROL	BACT
		NOX	95.0000 LB/H 300.0000 PPMVD AT 7% O2,1 H AVG,SEE NOTE#2	BACT
		H2S*	4.0000 LB/H, SEE NOTE#3 DRY SCRUBBER & ESP	BACT

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 02/19/1987

(CONTINUED) AMERICAN REF-FUEL OF ESSEX COUNTY

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
SAME PROCESS (CONTINUED)				
		PB	0.5000 LB/H, QUARTERLY AVG DRY SCRUBBER & ESP	BACT
		HG	0.0530 LB/H DRY SCRUBBER & ESP	BACT
		AS	5.1000 EE-3 LB/H, SEE NOTE#4 DRY SCRUBBER & ESP	BACT
		BE	2.5000 EE-4 LB/H, SEE NOTE#4 DRY SCRUBBER & ESP	BACT
		CD	0.0430 LB/H, SEE NOTE#4 DRY SCRUBBER & ESP	BACT
		CR	0.0120 LB/H, SEE NOTE#4 DRY SCRUBBER & ESP	BACT
		NI	3.3000 EE-3 LB/H, SEE NOTE#4 DRY SCRUBBER & ESP	BACT
		NMHC	6.3000 LB/H 70.0000 PPMVD AT 7% O2, 1H AVG AUX BURNERS FIRING #2 OIL, SEE NOTE#6 AIR/FUEL CONTROLS, TEMP MONITOR	LAER
		TCDD	1.0000 EE-5 LB/H, SEE NOTE#5 AUX BURNERS FIRING #2 OIL, SEE NOTE#6 AIR/FUEL CONTROLS, TEMP MONITOR	SIP
		PAH	0.2900 LB/H, SEE NOTE#5 AUX BURNERS FIRING #2 OIL, SEE NOTE#6 AIR/FUEL CONTROLS, TEMP MONITOR	SIP
SILO, LIME, 4 EA	5250.00 CU FT	PM	0.2000 LB/H BAGHOUSE	LAER 99.00

NOTES -----

NOTE#1 - THIS IS A THREE RUN AVERAGE. ANY SOOT BLOWING RUN IS ALLOWED 0.03 GR/DSCF. NOTE#2 - DETERMINED BY CONTINUOUS EMISSION MONITORING. NOTE#3 - REPRESENTS THE SUM OF H2SO4 MIST & SO3. NOTE#4 - AS, BE, CD, CR, & NI ARE ANNUAL AVERAGES. NOTE#5 - ANNUAL AVERAGES. NOTE#6 - FURANCE MAINTAIN 1500 F AT POINT 1 SECOND AFTER SECONDARY AIR INJECTION & MUST MAINTAIN 6% O2 AT BOILER EXIT.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 02/19/1987

APPENDIX -- DETAILED SOURCE LISTING

05/30/1990

SOURCE TYPE/SIZE REFUSE INCINERATION

COMPANY NAME/SITE LOCATION AMERICAN REFFUEL

HEMPSTEAD, NY

DETERMINATION IS B/L FOR A NEW SOURCE.

PERMIT NO.

DETERMINATION MADE BY NEW YORK STATE DEC
(AGENCY)DICK FORGEA
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 11/06/86

ESTIMATED DATE OF START-UP-- 1989

(518)-457-2044

(PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
INCINERATOR, MASS BURN, 3 EA	750.00 T/D	PM	0.0150 GR/DSCF BAGHOUSE	BACT
		NOX	255.0000 PPMDV FURNACE DESIGN	BACT
		SO2	70.0000 % REMOVAL DRY SCRUBBER	BACT 70.00
		CO	400.0000 PPM, 1 H 100.0000 PPM, 8 H FURNACE DESIGN	LAER
		VOC	21.5000 LB/H FURNACE DESIGN	LAER

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 06/22/1988

APPENDIX -- DETAILED SOURCE LISTING

05/30/1990

SOURCE TYPE/SIZE

REFUSE INCINERATION

COMPANY NAME/SITE LOCATION BFI MEDICAL WASTE SYSTEMS, INC.

, UT

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO.DETERMINATION MADE BY UTAH BAQ
(AGENCY)DAVE KOPTA
(AGENCY CONTACT PERSON)DATE OF PERMIT ISSUANCE--
ESTIMATED DATE OF START-UP--
(801)-538-6108
(PHONE)PROCESSES SUBJECT
TO THIS PERMITTHROUGHPUT
CAPACITYPOLLUTANT
EMITTEDEMISSION LIMITS
CONTROL EQUIPMENT OR PROCESS MODIFICATION... & BASIS
... PCT EFF

INCINERATOR, GAS FIRED

1350.00 LB/H

PM

0.3900 LB/H
0.0100 GR/DSCF
SEE NOTES

BACT

NOX

6.9500 LB/H
215.0000 PPM
SEE NOTES

BACT

CO

0.9800 LB/H
100.0000 PPM
SEE NOTES

BACT

HCL

0.7700 LB/H
30.0000 PPM
SEE NOTES

BACT

VE

0.0000 % OPACITY
SEE NOTES

BACT

NOTES -----

MODEL WAV - III VARIABLE THROAT VENTURI SCRUBBER. MODEL W-104 PACKED TOWER ABSORPTION SYSTEM.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 04/30/1990

APPENDIX -- DETAILED SOURCE LISTING

05/30/1990

SOURCE TYPE/SIZE REFUSE INCINERATION

COMPANY NAME/SITE LOCATION BRIDGEPORT RESOURCE RECOVERY FACILITY

6 HOWARD AVE.
BRIDGEPORT, CT

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 015-0097 THRU 99
DETERMINATION MADE BY CONNECTICUT DEP
(AGENCY)
JOSEPH ULEVJICUS
(AGENCY CONTACT PERSON)
(203)-566-8230
(PHONE)
DATE OF PERMIT ISSUANCE-- 02/15/90
ESTIMATED DATE OF START-UP-- 1988

PROCESSES SUBJECT TO THIS PERMIT
THROUGHPUT CAPACITY
POLLUTANT EMISSION LIMITS
CONTROL EQUIPMENT OR PROCESS MODIFICATION ... PCT EFF
... & BASIS

INCINERATOR, SOLID WASTE, #1 31.23 T/H

PM 0.0340 LB/MBTU
FABRIC FILTER 0.3200 LB/MBTU
SO2 0.3200 LB/MBTU
NOX 0.6000 LB/MBTU
VOC 0.0460 LB/MBTU
CO 0.2800 LB/MBTU
COMBUSTION METHODS
PB 0.0016 LB/MBTU
COMBUSTION METHODS
HAZ* NO LIMITS GIVEN

99.00
70.00

INCINERATOR, SOLID WASTE, #2 31.23 T/H

PM 0.0340 LB/MBTU
FABRIC FILTER 0.3200 LB/MBTU
SO2 0.3200 LB/MBTU
NOX 0.6000 LB/MBTU
VOC 0.0460 LB/MBTU
CO 0.2800 LB/MBTU
COMBUSTION METHODS
COMBUSTION METHODS
COMBUSTION METHODS
COMBUSTION METHODS
COMBUSTION METHODS
COMBUSTION METHODS

99.00
70.00

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 04/30/1990

(CONTINUED) BRIDGEPORT RESOURCE RECOVERY FACILITY

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
SAME PROCESS (CONTINUED)				
INCINERATOR, SOLID WASTE, #3	31.23 T/H	PB	0.0016 LB/MMBTU COMBUSTION METHODS	
		HAZ*	NO LIMITS GIVEN	
		PM	0.0340 LB/MMBTU FABRIC FILTER	99.00
		SO2	0.3200 LB/MMBTU DRY GAS SCRUBBER	70.00
		NOX	0.6000 LB/MMBTU COMBUSTION METHODS	
		VOC	0.0460 LB/MMBTU COMBUSTION METHODS	
		CO	0.2800 LB/MMBTU COMBUSTION METHODS	
		PB	0.0016 LB/MMBTU COMBUSTION METHODS	
		HAZ*	NO LIMITS GIVEN	

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 04/30/1990

APPENDIX -- DETAILED SOURCE LISTING

05/30/1990

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SOURCE TYPE/SIZE	REFUSE INCINERATION	2200.00 T/D

COMPANY NAME/SITE LOCATION	CE - RESOURCE RECOVERY SYSTEMS	DETROIT, MI

DETERMINATION IS B/L FOR A NEW SOURCE.		DATE OF PERMIT ISSUANCE-- 11/09/84
PERMIT NO. 468-83		ESTIMATED DATE OF START-UP-- 1987
DETERMINATION MADE BY MICHIGAN DNR	RANDAL TELESZ	(517)-373-7023
(AGENCY)	(AGENCY CONTACT PERSON)	(PHONE)

=====

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF

BOILER, WATER WALL, 3	45.70 T RDF/H EA			
		PM	0.0300 GR/DSCF AT 12% CO2	LAER
			40.3000 LB/H	
			ESP	99.95
		SO2	457.1000 LB/H, NOTE #2	BACT
		NOX	226.0000 LB/H	BACT
			OPTIMUM COMB. COND. SPECIFIED	
		CO	249.0000 LB/H	LAER
			OPTIMUM COMB. COND. SPECIFIED	
		VOC	20.5000 LB/H	BACT
		VE	20.0000 % OPACITY	BACT
			CONTROLLED BY USE OF AUX. FUEL	
		PB	1.3700 LB/H	BACT
			SEE NOTE 4	
		HCL	294.0000 LB/H	BACT
		HG	0.0700 LB/H	BACT
			SEE NOTE 4	
		CD	0.0850 LB/H	BACT
			SEE NOTE 4	
		CHR*	3.5000 LB/H	BACT
			SEE NOTE 4	
		CHR*	0.0160 LB/H	BACT
			SEE NOTE 4	
		DIO*	4.3000 EE-3 LB/H	BACT
			SEE NOTE 5	

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 05/01/1990

(CONTINUED) CE - RESOURCE RECOVERY SYSTEMS

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
SAME PROCESS (CONTINUED)				
		F	3.7500 LB/H	BACT

NOTES -----

NOTE 1-ONLY 2 BOILERS ARE IN OPERATING MODE AT ANY TIME. AUXILIARY FUEL USED IS #2 FUEL OIL W/0.30% BY WT SULFUR FUEL LIMIT. N

OTE 2-SO2 LIMIT BASED 0.25% BY WT SULFUR IN RDF. NOTE 3-EMISSION LIMITS ARE PER BOILER UNLESS OTHERWISE NOTED.

NOTE 4-CONTROL PROVIDED BY REMOVAL DURING FUEL PREPARATION & PARTIALLY BY THE ESP. NOTE 5-CONTROLLED BY MAINTAINING MIN. COMB.

CHAMBER TEMP. OF 1800F & MINIMUM RETENTION TIME OF 1.0 SECOND, AUX. FUEL IS USED AS REQUIRED.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 05/01/1990

APPENDIX -- DETAILED SOURCE LISTING

05/30/1990

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SOURCE TYPE/SIZE	REFUSE INCINERATION	2688.00 T/D

COMPANY NAME/SITE LOCATION	CHESTER SOLID WASTE ASSOCIATES	CHESTER, PA
		DELAWARE COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.		DATE OF PERMIT ISSUANCE-- 09/23/88
PERMIT NO. 23-340-002		ESTIMATED DATE OF START-UP-- 1990
DETERMINATION MADE BY PENNSYLVANIA BAQC	THOMAS MCGINLEY	(215)-270-1920
(AGENCY)	(AGENCY CONTACT PERSON)	(PHONE)

=====

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
INCINERATOR, MASS BURN/ROTARY, *	448.00 T/D			
		PM	0.0150 GR/DSCF FABRIC FILTER	BACT
		HCL	30.0000 PPMV 90.0000 % CONTROL DRY SCRUBBER	BACT 90.00
		SO2	30.0000 PPMV 70.0000 % CONTROL	BACT 70.00
		CO	100.0000 PPMV, 8H AVG 400.0000 PPMV, 1H AVG COMBUSTION CONTROL	BACT
		NOX	235.0000 PPMV, DAILY AVG COMBUSTION CONTROL	BACT
		PCD*	2.0000 NG/CUBIC METER	BACT

NOTES -----

ALL STACK CONCENTRATION ARE CORRECTED TO 7% O2 DRY. CEM - VE,SO2,HCL,CO,CO2,& O2. 1800 DEG F - 1 SEC. COMBUSTION EFFICIENCY MU
ST BE AT LEAST 99.9% 8 H AVG. STACK TESTS - PM,HCL,AS,CD, CR,NI,PCDD/PCDF. TESTING SHALL BE CONDUCTED
EVERY 6 MONTHS EXCEPT FOR PCDD/PCDF WHICH IS TESTED ANNUALLY. SO2 & HCL LIMITS ARE FOR 1 HOUR. PCD IS PCDD/PCDF, 2,3,7,8 TCDD
EQUIV. SOURCE IS 6 INCINERATORS AT 448 T/D EACH.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 06/01/1989

APPENDIX -- DETAILED SOURCE LISTING

05/30/1990

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SOURCE TYPE/SIZE      REFUSE INCINERATION      1700.00 T/D RDF
-----
COMPANY NAME/SITE LOCATION  CITY & COUNTY OF HONOLULU, H-POWER      OAHU, HI
                           EMA BEACH
-----
DETERMINATION IS BACT FOR A NEW SOURCE.      DATE OF PERMIT ISSUANCE-- 11/19/87
PERMIT NO. HI 84-01      ESTIMATED DATE OF START-UP-- 1990
DETERMINATION MADE BY HAWAII DOH      (808)-548-6410
                           (AGENCY)      (DAVID TUNISON)      (PHONE)
                           (AGENCY CONTACT PERSON)
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PROCESSES SUBJECT      THROUGHPUT      POLLUTANT      EMISSION LIMITS      ... & BASIS
TO THIS PERMIT      CAPACITY      EMITTED      CONTROL EQUIPMENT OR PROCESS MODIFICATION      ... PCT EFF
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BOILER, RDF FIRED, 2 EA      850.00 T/D
                           VE      20.0000 % OPACITY      SIP
                           ESP
                           PM      0.0150 GR/DSCF AT 12% CO2      BACT
                           24.0000 LB/H 3H AVG
                           ESP
                           SO2      30.0000 PPMV, DRY AT 12% CO2, 24H AVG      99.00
                           70.0000 PPMV, DRY AT 12% CO2, 8H AVG      BACT
                           DRY SCRUBBER & ESP
                           NOX      260.0000 PPMV, DRY AT 12% CO2      84.00
                           340.0000 LB/H, 3H AVG      BACT
                           COMBUSTION CONTROL
                           CO      377.0000 PPMV, DRY AT 12% CO2      BACT
                           300.0000 LB/H, 3H AVG
                           COMBUSTION CONTROL
                           VOC      21.0000 PPMV, DRY AT 12% CO2      BACT
                           18.0000 LB/H, 3H AVG
                           COMBUSTION CONTROL
                           PB      0.0028 LB/T RDF      BACT
                           0.2000 LB/H, 3H AVG
                           DRY SCRUBBER & ESP
                           HG      0.0022 LB/T RDF      99.00
                           0.1600 LB/H, 3H AVG      BACT
                           DRY SCRUBBER & ESP
                           140 DEG C MAX INLET TEMP TO ESP
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(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 06/03/1988

(CONTINUED) CITY & COUNTY OF HONOLULU, H-POWER

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
SAME PROCESS (CONTINUED)				
		F	0.0360 LB/T RDF 2.6000 LB/H, 3H AVG DRY SCRUBBER & ESP	BACT
		BE	1.3000 EE-5 LB/T RDF 9.0000 EE-4 LB/H, 3H AVG DRY SCRUBBER & ESP	BACT

NOTES -----

COMBUSTION TEMPERATURE OF 1800 F MINIMUM REQUIRED.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 06/03/1988

APPENDIX -- DETAILED SOURCE LISTING

05/30/1990

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SOURCE TYPE/SIZE	REFUSE INCINERATION	1350.00 T/D
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COMPANY NAME/SITE LOCATION	CITY OF LONG BEACH	LONG BEACH, CA
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DETERMINATION IS BACT FOR A NEW SOURCE.

PERMIT NO. LA 83-01

DETERMINATION MADE BY EPA REGION IX
(AGENCY)BOB BAKER
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 10/23/85

ESTIMATED DATE OF START-UP-- 1987

(415)-974-8923

(PHONE)

=====

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BOILER, WATER WALL, 3 EA	450.00 T/D			
		SO2	26.0000 PPM AT 12% CO2, 8 H AVG BAGHOUSE & DRY SCRUBBER	80.00
		PB	0.0800 LB/H BAGHOUSE SPRAY DRYER	
		HG	0.1300 LB/H BAGHOUSE SPRAY DRYER	
		HF	3.3000 LB/H BAGHOUSE SPRAY DRYER DRY SCRUBBER	90.00

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(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 04/20/1987

APPENDIX -- DETAILED SOURCE LISTING

05/30/1990

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SOURCE TYPE/SIZE REFUSE INCINERATION

COMPANY NAME/SITE LOCATION CONN. RESOURCE RECOVERY AUTHORITY
RESERVE ROAD

HARTFORD, CT

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 075-0044 THRU 46
DETERMINATION MADE BY CONNECTICUT DEP
(AGENCY)JOSEPH ULEVICUS
(AGENCY CONTACT PERSON)DATE OF PERMIT ISSUANCE-- 03/01/90
ESTIMATED DATE OF START-UP-- 1987
(203)-566-8230
(PHONE)

=====

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
INCINERATOR, RDF, BITUMIOUS COA*	326.00 MMBTU/H	PM	0.0150 GR/DSCF AT 7% O2 FABRIC FILTER	99.70
		SO2	0.5500 LB/MMBTU, COAL FIRING 0.3200 LB/MMBTU, RDF FIRING DRY GAS SCRUBBING	70.00
		NOX	0.6000 LB/MMBTU COMBUSTION CONTROLS	
		VOC	70.0000 PPMV AT 7% O2 COMBUSTION CONTROLS	
		CO	200.0000 PPMV AT 7% O2 COMBUSTION CONTROLS	
		HAZ*	NO LIMITS LISTED	
INCINERATOR, RDF, BITUMIOUS COA*	326.00 MMBTU/H	PM	0.0150 GR/DSCF AT 7% O2 FABRIC FILTER	99.70
		SO2	0.5500 LB/MMBTU, COAL FIRING 0.3200 LB/MMBTU, RDF FIRING DRY GAS SCRUBBING	70.00
		NOX	0.6000 LB/MMBTU COMBUSTION CONTROLS	
		VOC	70.0000 PPMV AT 7% O2 COMBUSTION CONTROLS	
		CO	200.0000 PPMV AT 7% O2 COMBUSTION CONTROLS	

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 04/30/1990

(CONTINUED) CONN. RESOURCE RECOVERY AUTHORITY

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
SAME PROCESS (CONTINUED)				
INCINERATOR, RDF, BITUMIOUS COA*	326.00 MMBTU/H	HAZ*	NO LIMITS LISTED	
		PM	0.0150 GR/DSCF AT 7% O2 FABRIC FILTER	99.70
		SO2	0.5500 LB/MMBTU, COAL FIRING 0.3200 LB/MMBTU, RDF FIRING DRY GAS SCRUBBING	70.00
		NOX	0.6000 LB/MMBTU COMBUSTION CONTROLS	
		VOC	70.0000 PPMV AT 7% O2 COMBUSTION CONTROLS	
		CO	200.0000 PPMV AT 7% O2 COMBUSTION CONTROLS	
		HAZ*	NO LIMITS LISTED	

NOTES -----

COMBUSTION EFFICIENCY EQUALS 99.8%, CO/CO2 = 0.002

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 04/30/1990

APPENDIX -- DETAILED SOURCE LISTING

05/30/1990

SOURCE TYPE/SIZE REFUSE INCINERATION

COMPANY NAME/SITE LOCATION CONNECTICUT RESOURCES RECOVERY AUTHORITY SHELTON, CT
866 RIVER RD

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 163-0038
DETERMINATION MADE BY CONNECTICUT DEP
(AGENCY)

ANITA MASIH
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 09/29/89
ESTIMATED DATE OF START-UP-- 1990
(203)-566-8230
(PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
FLARE, ACTIVE PERIMETER	1300.00 SCFM	PM	0.0700 LB/MMBTU COMBUSTION METHODS	
		SOX	50.0000 PPM COMBUSTION METHODS	
		NOX	0.0800 LB/MMBTU COMBUSTION METHODS	
		VOC	0.5100 LB/H FLARE	98.00
		CO	0.2000 LB/MMBTU COMBUSTION METHODS	

NOTES -----
THIS FLARE OPERATES ON A LANDFILL.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 04/30/1990

APPENDIX -- DETAILED SOURCE LISTING

05/30/1990

SOURCE TYPE/SIZE

REFUSE INCINERATION

COMPANY NAME/SITE LOCATION

CONTINENTAL THERMAL DESTRUCTION

GREEN RIVER, UT

DETERMINATION IS BACT FOR A NEW SOURCE.

PERMIT NO. BAQE-890-89

DETERMINATION MADE BY UTAH BAQ
(AGENCY)DAVE KOPTA
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 12/13/89

ESTIMATED DATE OF START-UP-- 1990

(801)-538-6108
(PHONE)PROCESSES SUBJECT
TO THIS PERMITTHROUGHPUT
CAPACITYPOLLUTANT
EMITTEDEMISSION LIMITS
CONTROL EQUIPMENT OR PROCESS MODIFICATION... & BASIS
... PCT EFF

INCINERATOR, GAS FIRED, 2 EA

2100.00 LB/H

PM

0.1900 LB/H

SEE NOTES

BACT

PM10

0.1900 LB/H

SEE NOTES

BACT

SO2

0.3500 LB/H

SEE NOTES

BACT

NOX

3.7000 LB/H

SEE NOTES

BACT

HCL

0.5000 LB/H

SEE NOTES

BACT

CO

1.0000 LB/H

SEE NOTES

BACT

VE

10.0000 % OPACITY

SEE NOTES

BACT

NOTES -----

RARING CORPORATION AGGLOMERATIVE & CONDENSING GAS SCRUBBER SYSTEM, ACG5.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 04/30/1990

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ID NUMBER UT-0037

SOURCE TYPE CODE 2.1

APPENDIX -- DETAILED SOURCE LISTING

05/30/1990

SOURCE TYPE/SIZE REFUSE INCINERATION

COMPANY NAME/SITE LOCATION DRAVO ENERGY RESOURCES

MONTOMERY, PA

DETERMINATION IS BACT

PERMIT NO. 46-340-002

DETERMINATION MADE BY PENNSYLVANIA DER
(AGENCY)

BILL SCHILDT
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 07/23/87
ESTIMATED DATE OF START-UP--
(717)-787-9256
(PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
INCINERATOR, 2 EA	600.00 T/D	PM	0.0150 GR/DSCF ESP	BACT 99.00
		HCL	30.0000 PPM 90.0000 % REDUCTION SPRAY DRYER	BACT 90.00
		SO2	30.0000 PPM 70.0000 % REDUCTION SPRAY DRYER	BACT 70.00
		NOX	300.0000 PPMV	BACT
		CO	100.0000 PPMV, 24 H AVG	BACT
		PCDD	2.0000 NG/NORMAL METER CUBED	BACT
		HEA*		BACT

NOTES -----

400 PPMV, 7% O2, CO ON AN HOURLY AVG., COMBUSTION EFF. MUST BE 99.9% DAILY, TEMP=1800F & 1 SEC. RESIDENCE TIME. CEM - CO,SO2,N
O2,HCL,OPACITY,O2. TESTING FOR - PM,HCL,AS,CD,CR,NI,PB,ZN, PCDD,PCDF.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 09/11/1987

APPENDIX -- DETAILED SOURCE LISTING

05/30/1990

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SOURCE TYPE/SIZE	REFUSE INCINERATION	1800.00 T/D

COMPANY NAME/SITE LOCATION	ENERCAN RESOURCES, INC.	LOS ANGELES, CA

DETERMINATION IS BACT FOR A NEW SOURCE. PERMIT NO. LA 84-02 DETERMINATION MADE BY EPA REGION IX (AGENCY)	BOB BAKER (AGENCY CONTACT PERSON)	DATE OF PERMIT ISSUANCE-- 01/08/86 ESTIMATED DATE OF START-UP-- 1988 (415)-974-8923 (PHONE)

=====

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF

BOILER, WATER WALL, 4 EA	450.00 T/D	SO2	26.0000 PPM AT 12% CO2, 3 H AVG DRY SCRUBBER	90.00
		HG	0.1200 LB/H BAGHOUSE, DRY SCRUBBER	
		PB	0.2600 LB/H BAGHOUSE, DRY SCRUBBER	
		HF	0.3200 LB/H DRY SCRUBBER	95.00

NOTES -----

ALSO KNOWN AS THE COMPTON ENERGY RESOURCE RECOVERY FACILITY-CERRF.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 04/20/1987

APPENDIX -- DETAILED SOURCE LISTING

05/30/1990

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SOURCE TYPE/SIZE	REFUSE INCINERATION	186.48 MMBTU/H

COMPANY NAME/SITE LOCATION	ENERGY RESOURCES OF HENRICO, INC.	, VA HENRICO COUNTY

DETERMINATION IS PERMIT NO. 50979 DETERMINATION MADE BY VIRGINIA DAPC (AGENCY)	KATHERINE MILLER (AGENCY CONTACT PERSON)	DATE OF PERMIT ISSUANCE-- 12/29/89 ESTIMATED DATE OF START-UP-- 1990 (804)-786-1433 (PHONE)

=====

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF

BOILER, 2 EA	93.24 MMBTU/H			
		PM	0.0100 GR/DSCF AT 12% CO2 8.3000 T/YR BAGHOUSE	99.87
		SO2	0.1840 LB/MMBTU 17.2000 LB/H NOTE 2	
		NO2	0.4140 LB/MMBTU 38.6000 LB/H LOW EXCESS AIR/OVERFIRED AIR/WATERWALL	12.00
		CO	38.7000 LB/H 165.0000 T/YR SYSTEM DESIGN	26.00
		PB	0.0300 LB/H 0.1200 T/YR BAGHOUSE	99.00
		ACI*	16.8000 LB/D 0.7000 LB/H NOTE 2	70.00
		HCL	70.5600 LB/D 2.9400 LB/H NOTE 2	70.00
		HF	2.1600 LB/D 0.0900 LB/H NOTE 2	70.00

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 04/24/1989

(CONTINUED) ENERGY RESOURCES OF HENRICO, INC.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
SAME PROCESS (CONTINUED)				
		HBR	9.6000 LB/D 0.4000 LB/H NOTE 2	70.00
		AS	7.9000 EE-4 LB/H 3.4000 EE-3 T/YR PERMIT LIMITS	
		BE	1.6000 EE-5 LB/H 6.8000 EE-5 T/YR PERMIT LIMITS	
		CD	1.4000 EE-3 LB/H 6.0000 EE-2 T/YR PERMIT LIMITS	
		CR	5.2000 EE-3 LB/H 2.2000 EE-2 T/YR PERMIT LIMITS	
		NI	5.0000 EE-4 LB/H 2.0000 EE-3 T/YR PERMIT LIMITS	
		HG	0.0330 LB/H 0.1400 T/YR PERMIT LIMITS	
		COB*	2.6400 EE-5 LB/H 1.1000 EE-4 T/YR PERMIT LIMITS	
		TCDD	2.3700 EE-5 LB/H 1.0000 EE-4 T/YR PERMIT LIMITS	
		TCDF	5.2500 EE-5 LB/H 2.2400 EE-4 T/YR PERMIT LIMITS	
		PCDD	1.1000 EE-5 LB/H 4.6700 EE-4 T/YR PERMIT LIMITS	
		PCDF	3.5000 EE-5 LB/H 1.5000 EE-4 T/YR PERMIT LIMITS	
		BAP	0.0010 LB/H 0.0050 T/YR PERMIT LIMITS	

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 04/24/1989

(CONTINUED) ENERGY RESOURCES OF HENRICO, INC.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
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SAME PROCESS (CONTINUED)

NOTES -----

NOTE 1-CONSTRUCTION OF A RDF FIRED ELECTRIC GENER. PLANT. 2 RDF BOILERS W/NAT GAS AUX BURNERS. EACH BOILER EQUIPED W/SEMI-DRY SCRUBBER FOLLOWED BY A BAGHOUSE & A STEAM TURBINE ELECTRIC GENERATOR. NOTE 2- BOILER ACID GAS EMIS SHALL BE CONDUCTED BY THE SEMI-DRY SCRUBBER. SCRUBBERS HAVE MIN 70% CONTROL EFF BY WT FOR SO2 & 90% BY WT REMOVAL OF HCL BUT MUST NOT EXCEED THE SPECIFIC MASS EMISSION RATES. NOTE 3-NSPS SUBPART E APPLIES.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 04/24/1989

APPENDIX -- DETAILED SOURCE LISTING

05/30/1990

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SOURCE TYPE/SIZE	REFUSE INCINERATION	710.00 T/D RDF

COMPANY NAME/SITE LOCATION	ERIE ENERGY RESOURCE, INC.	ERIE, PA

DETERMINATION IS BACT FOR A NEW SOURCE. PERMIT NO. 25-340-001 DETERMINATION MADE BY PENNSYLVANIA DER (AGENCY)	BILL SCHILDT (AGENCY CONTACT PERSON)	DATE OF PERMIT ISSUANCE-- 02/05/87 ESTIMATED DATE OF START-UP-- 1988 (717)-787-4324 (PHONE)

=====

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF

INCINERATOR, CFB, 2		PM	0.0150 GR/DSCF AT 7% O2 DRY FABRIC FILTER	BACT
		HCL	30.0000 PPMV 90.0000 % REDUCTION LIMESTONE INJECTION	BACT
		SO2	50.0000 PPMV 70.0000 % REDUCTION	BACT
		CO	100.0000 PPMV 32.0000 LB/H	BACT
		PCD*	2.0000 NG/NORMAL METER CUBED AT 7% O2 DRY	
		VE	10.0000 % OPACITY, WITH 3 MIN EXCLUSION/H	

NOTES -----

CEM-VE,SO2,NOX,HCL,CO2,CO,O2. STACK TEST-PM,AS,CD, HEXAVALENT CR,NI,PB,BE,HG,ZN,PCDD & PCDF. TESTS SHALL BE CONDUCTED EVERY SIX MONTHS EXCEPT FOR PCDD/PCDF WHICH SHALL BE TESTED FOR ANNUALLY. COMBUSTION EFFICIENCY MUST EQUAL 99%, 1 H AVG. WASTE HEAT WILL BE RECOVERED VIA 23.0 MM STEAM TURBINE.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 07/24/1987

APPENDIX -- DETAILED SOURCE LISTING

05/30/1990

SOURCE TYPE/SIZE REFUSE INCINERATION

COMPANY NAME/SITE LOCATION GLENDON ENERGY CO.

GLENDON BOROUGH, PA

NORTHAMPTON COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
 PERMIT NO. 48-340-003
 DETERMINATION MADE BY PENNSYLVANIA BAQC
 (AGENCY)

THOMAS MCGINLEY
 (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 02/05/90
 ESTIMATED DATE OF START-UP-- 1993
 (215)-270-1920
 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
INCINERATOR, MASSBURN, 2 EA	250.00 T/D	PM10	0.0100 GR/DSCF FABRIC COLLECTOR	BACT
		SO2	30.0000 PPMV, 1H 75.0000 % REDUCTION SPRAY DRYER	BACT 75.00 BACT
		CO	50.0000 PPMV, 8H 200.0000 PPMV, 1H COMBUSTION CONTROL	BACT
		NOX	200.0000 PPMV, 24H SNCR	BACT
		HCL	30.0000 PPMV, 1H 90.0000 % REDUCTION SPRAY DRYER	SIP 90.00 SIP
		PCD*	1.0000 NG/CUBIC METER COMBUSTION CONTROL	

NOTES -----

STACK CONCENTRATIONS - DRY & CORRECTED TO 7% O2. COMBUSTION EFFICIENCY 99.95%, 8H. CEMS FOR VE, CO, SO2, NOX, & HCL. STACK TESTING REQUIRED FOR PM, PM10, HCL, NOX, SO2, AS, BE, CD, CR+6, PB, HG, NI, ZN, & PCDD & PCDF. TESTING EVERY 6 MONTHS FOR ALL BUT PCDD/PCDF, HCL, SO2, & NOX. PCDD/PCDF TESTING ANNUALLY & CO, HCL, SO2, & NOX TESTING AS REQUIRED FOR SYSTEM AUDITS OF THE CEMS. SIP DUE TO BAT REQUIREMENT IN SIP.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 03/31/1990

APPENDIX -- DETAILED SOURCE LISTING

05/30/1990

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=====
SOURCE TYPE/SIZE          REFUSE INCINERATION          1212.00 T/D
-----
COMPANY NAME/SITE LOCATION  HENNEPIN ENERGY RESOURCE CO.          MINNEAPOLIS, MN
-----
DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 2125
DETERMINATION MADE BY MINNESOTA PCA          LOUIS CHAMBERLAIN          DATE OF PERMIT ISSUANCE-- 01/27/87
(AGENCY)          (AGENCY CONTACT PERSON)          ESTIMATED DATE OF START-UP-- 1989
                                          (612)-296-7625
                                          (PHONE)
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PROCESSES SUBJECT          THROUGHPUT          POLLUTANT          EMISSION LIMITS          ... & BASIS
TO THIS PERMIT          CAPACITY          EMITTED          CONTROL EQUIPMENT OR PROCESS MODIFICATION          ... PCT EFF
-----
INCINERATOR, MSW          1212.00 T/D
          PM          0.0200 GR/DSCF AT 12% CO2
          SEE NOTE#7
          SEE NOTE#1
          SO2          0.5500 LB/T MSW
          SEE NOTE#7
          SEE NOTE#1
          NOX          250.0000 PPM CORR. TO 12% CO2
          SEE NOTE#2
          VOC          0.1200 LB/T MSW
          SEE NOTE#3
          CO          100.0000 PPM CORR. TO 12% CO2
          SEE NOTE#7
          SEE NOTE#4
          PB          7.0000 EE-3 LB/T MSW
          SEE NOTE#7
          SEE NOTE#4
          PCD*          3.0000 NG/DSCM
          SEE NOTE#7
          SEE NOTE#5
          HG          2.0000 EE-3 LB/T MSW
          SEE NOTE#7
          SEE NOTE#4
          HCL          90.0000 % REMOVAL
          50.0000 PPM
          SEE NOTE#7
          SEE NOTE#6
=====

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(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 09/11/1987

(CONTINUED) HENNEPIN ENERGY RESOURCE CO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
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SAME PROCESS (CONTINUED)

NOTES -----

NOTE#1-EMIS LIMIT<100 T/YR USING DRY SCRUBBER/BAGHOUSE. NOTE#2-BACT- CONTROLLED COMBUST. NOTE#3-EMIS LIMIT<40 T/YR. NOTE#4-BAC T. NOTE#5-REQUIREMENT OF AGENCY DIRECTOR BASED ON A RISK ASSESSMENT. NOTE#6-REQUIREMENT OF AGENCY DIR. NOTE#7-COMPANY TO USE DRY SCRUBBER/BAGHOUSE CONTROL SYSTEM. THE DRY SCRUBBER USES A HYDRATED LIME SOLUTION TO COOL THE FLUE GASES & NEUTRALIZE THE ACID GASES. AT THE REDUCED FLUE GAS TEMP., BAGHOUSE FILTER WILL CAPTURE LEAD & HG PARTICLES.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 09/11/1987

APPENDIX -- DETAILED SOURCE LISTING

05/30/1990

SOURCE TYPE/SIZE

REFUSE INCINERATION

COMPANY NAME/SITE LOCATION

HUNTSVILLE SOLID WASTE AUTHORITY

HUNTSVILLE, AL

DETERMINATION IS BACT FOR A NEW SOURCE.

PERMIT NO. 7-09-I104-X001 THRU X006

DETERMINATION MADE BY ALABAMA DEM

(AGENCY)

SUE ROBERTSON
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 10/06/87

ESTIMATED DATE OF START-UP-- 1990

(205)-271-7861

(PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BOILER, RDF, 2 EA	129.40 MMBTU/H	PM	0.0150 GR/DSCF AT 12% CO2 4.5000 LB/H FABRIC FILTER	BACT 99.50 BACT
		SO2	50.0000 PPM AT 7% O2, SEE NOTES 16.6500 LB/H DRY SCRUBBER	70.00 BACT
		NOX	0.4600 LB/MMBTU 59.2000 LB/H COMBUSTION DESIGN	BACT
		CO	50.0000 PPM AT 12% CO2, 4H ROLL AVG 7.6000 LB/H COMBUSTION DESIGN	0.00 N/B
		HG	320.0000 G/D, TOTAL FABRIC FILTER	60.00 BACT
		H2S*	70.0000 % REMOVAL EFF 1.8000 LB/H DRY SCRUBBER	70.00 BACT
		BE	7.5300 EE-4 LB/H FABRIC FILTER	95.00
BOILER, PACKAGE, 4 EA	116.30 MMBTU/H	PM	5.8200 LB/H 0.0500 LB/MMBTU	BACT 0.00 BACT
		SO2	23.2600 LB/H 0.2000 LB/MMBTU LOW S FUEL	0.00

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 09/30/1988

(CONTINUED) HUNTSVILLE SOLID WASTE AUTHORITY

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
SAME PROCESS (CONTINUED)				
		NOX	11.6300 LB/H 0.1000 LB/MMBTU COMBUSTION DESIGN	BACT
		CO	4.2100 LB/H 0.0360 LB/MMBTU COMBUSTION DESIGN	BACT
		H2S*	0.9100 LB/H LOW S FUEL	BACT 0.00
		HG	0.0010 LB/H LOW HG CONTENT OF FUEL	BACT 0.00
		BE	2.9000 EE-4 LB/H LOW BE CONTENT OF FUEL	BACT 0.00

NOTES -----

HCL & FLUORIDES DESIGN REMOVAL EFFICIENCY IS 90%. EACH BOILER IS SUBJECT TO THESE LIMITS. 129.4 MMBTU/H BOILER MAY USE TIRES, LANDFILL GAS, WWTTP SLUDGE, & MUNICIPAL SOLID WASTE AS FUELS & SO2 LIMIT IS 70% REMOVAL OR 50 PPM AT 7% O2 WHICHEVER IS LESS. 116.3 UNITS MAY USE NATURAL GAS, #2 FUEL OIL, & LANDFILL GAS AS FUELS.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 09/30/1988

APPENDIX -- DETAILED SOURCE LISTING

05/30/1990

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=====
SOURCE TYPE/SIZE      REFUSE INCINERATION      3000.00 T/D
-----
COMPANY NAME/SITE LOCATION  I-95 ENERGY/RESOURCE RECOVERY FACILITY      , VA
-----
DETERMINATION IS  N/P FOR A NEW SOURCE.      DATE OF PERMIT ISSUANCE-- 01/12/87
PERMIT NO. 71960      ESTIMATED DATE OF START-UP-- 1989
DETERMINATION MADE BY VIRGINIA APCB      CATHY TAYLOR      (804)-786-4867
      (AGENCY)      (AGENCY CONTACT PERSON)      (PHONE)
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PROCESSES SUBJECT      THROUGHPUT      POLLUTANT      EMISSION LIMITS      ... & BASIS
TO THIS PERMIT      CAPACITY      EMITTED      CONTROL EQUIPMENT OR PROCESS MODIFICATION      ... PCT EFF
-----
INCINERATOR, 4 EA      750.00 T/D
      PM      0.0100 GR/DSCF AT 12% CO2
      7.5000 LB/H
      ESP      99.00
      SO2      44.4000 LB/H
      176.6000 T/YR
      ACID GAS CONTROL DEVICE      70.00
      VOC      1.7000 LB/H
      6.8000 T/YR
      COMBUSTION CONTROLS
      NOX      151.3000 LB/H
      602.3000 T/YR
      COMBUSTION CONTROLS
      CO      158.1000 LB/H
      91.7000 T/YR
      COMBUSTION CONTROLS
      PB      1.7000 LB/H
      6.7000 T/YR
      ESP      99.00
      ACI*      3.4400 LB/H
      13.6900 T/YR
      ACID GASES CONTROL DEVICE      70.00
      HCL      28.5300 LB/H
      113.6900 T/YR
      ACID GASES CONTROL DEVICE      90.00
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(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 04/20/1987

(CONTINUED) I-95 ENERGY/RESOURCE RECOVERY FACILITY

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
SAME PROCESS (CONTINUED)				
		HBR	1.9300 LB/H 7.6700 T/YR ACID GASES CONTROL DEVICE	90.00
		CD	4.7000 EE-2 LB/H 0.1900 T/YR PARTIAL CONTROL BY ESP	
		SB	0.1400 LB/H 0.5500 T/YR PARTIAL CONTROL BY ESP	
		AS	7.3000 EE-3 LB/H 0.0300 T/YR PARTIAL CONTROL BY ESP	
		HG	0.3300 LB/H 1.3200 T/YR PARTIAL CONTROL BY ESP	
		BE	2.0000 EE-4 LB/H 7.9400 EE-4 T/YR PARTIAL CONTROL BY ESP	
		FLU*	0.4500 LB/H 1.7800 T/YR ACID CONTROL DEVICE	90.00
		TCDD	2.3000 EE-6 LB/H 9.3000 EE-6 T/YR COMBUSTION CONTROLS, DESIGN	

NOTES -----

CHRG RATE <750 T/UNIT, 3000 T/D, 1.095 MMT/YR. OPER PROC TO BE REVIEWED & APPROV. BY BOARD. AUX FUEL IS NAT GAS. STK TEST RESU
LTS REVIEWED BY BOARD & LIMITS MAY BE REVISED. MUST MAINTAIN MIN 1800F FOR 1 SEC RESIDENCE TIME. OPER PARAM. SET AFTER
STK TEST. AMB. MONIT REQ FOR TSP,SO2,PB,HG,CD & REQ >1 YR BEFORE & 3 YR AFTER START UP. ASH ANALYSIS REQ TWICE/YR. 10% VE LIMT
T, ODOR CONTROLS REQ. NEG PRESSURE ON TIPPING FLOOR & AIR W/I BLDG USED AS COMBUST AIR. FOUR POINT HAZ. WASTE MONIT REQ.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 04/20/1987

APPENDIX -- DETAILED SOURCE LISTING

05/30/1990

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=====
SOURCE TYPE/SIZE      REFUSE INCINERATION
-----
COMPANY NAME/SITE LOCATION  ISLIP RESOURCE RECOVERY AGENCY          ISLIP, NY
-----
DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO.
DETERMINATION MADE BY NEW YORK STATE DEC
(AGENCY)                JAMES HARRINGTON
                        (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 11/30/84
ESTIMATED DATE OF START-UP-- 1986
(518)-457-2044
(PHONE)
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PROCESSES SUBJECT      THROUGHPUT      POLLUTANT      EMISSION LIMITS      ... & BASIS
TO THIS PERMIT          CAPACITY        EMITTED        CONTROL EQUIPMENT OR PROCESS MODIFICATION ... PCT EFF
-----
COMBUSTOR, ROTARY, 2 EA    259.00 T/D
                        PM          0.0300 GR/DSCF
                        SO2        32.4000 BAGHOUSE
                        CO         54.0000 LB/H EA
                        NOX       32.4000 LOW SULFUR FUEL
                        VOC        9.7000 LB/H EA
                        COMBUSTION CONTROL
                        COMBUSTION CONTROL
                        COMBUSTION CONTROL
                        COMBUSTION CONTROL
                        COMBUSTION CONTROL
                        COMBUSTION CONTROL
                        99.00
=====

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(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 06/22/1988

APPENDIX -- DETAILED SOURCE LISTING

05/30/1990

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SOURCE TYPE/SIZE	REFUSE INCINERATION	

COMPANY NAME/SITE LOCATION	JACKSON COUNTY BOARD OF PUBLIC WORKS	JACKSON, MI

DETERMINATION IS BACT		DATE OF PERMIT ISSUANCE-- 03/18/86
PERMIT NO. 451-85		ESTIMATED DATE OF START-UP-- 1987
DETERMINATION MADE BY MICHIGAN DNR, AQD	LYNN FIEDLER	(517)-373-7023
(AGENCY)	(AGENCY CONTACT PERSON)	(PHONE)

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PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF

INCINERATOR, MASS BURN, 2 TOTAL	200.00 T/D			
		PM	0.0150 GR/DSCF AT 12% CO2 DRY SCRUBBER, BAGHOUSE	BACT
		SO2	86.0000 PPMV DRY AT 12% CO2 DRY SCRUBBER, BAGHOUSE	BACT 70.00
		NOX	311.0000 PPMV DRY AT 12% CO2	BACT
		HCL	105.0000 MG/DSCM AT 12% CO2	BACT 90.00
		CO	400.0000 PPMV DRY AT 12% CO2, 1H AVG 113.0000 PPMV DRY AT 12% CO2, 24H AVG	BACT
		CD	63.0000 UG/DSCM AT 12% CO2	BACT
		CR	47.0000 UG/DSCM AT 12% CO2	BACT
		AS	12.0000 UG/DSCM AT 12% CO2	BACT
		DIO*	0.5200 UG/DSCM AT 12% CO2	BACT
		FUR*	0.5000 UG/DSCM AT 12% CO2	BACT

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 05/01/1990

APPENDIX -- DETAILED SOURCE LISTING

05/30/1990

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=====
SOURCE TYPE/SIZE          REFUSE INCINERATION          480.00 T/D
-----
COMPANY NAME/SITE LOCATION KAISER ENGINEERS CORP.          FREMONT, CA
                           OAKLAND SCAVENGER
-----
DETERMINATION IS BACT FOR A NEW SOURCE.          DATE OF PERMIT ISSUANCE-- 12/31/85
PERMIT NO. SFB 84-01          ESTIMATED DATE OF START-UP-- 1989
DETERMINATION MADE BY EPA REGION IX          (415)-974-8218
                           (AGENCY)          (PHONE)
                           JIM HANSON
                           (AGENCY CONTACT PERSON)
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PROCESSES SUBJECT          THROUGHPUT          POLLUTANT          EMISSION LIMITS          ... & BASIS
TO THIS PERMIT          CAPACITY          EMITTED          CONTROL EQUIPMENT OR PROCESS MODIFICATION          ... PCT EFF
-----
COMBUSTION TRAIN, 2 STAGE, W/HE*  480.00 T/D MSW
                                   SO2          14.3000 LB/H
                                   30.0000 PPMDV AT 12% CO2
                                   DRY SCRUBBER          95.00
                                   NOX          68.5000 LB/H          BACT
                                   200.0000 PPMDV
                                   FGR          25.00
                                   STAGED COMBUSTION
                                   PM          4.2000 LB/H          BACT
                                   BAGHOUSE          99.90
                                   HG          0.3500 LB/H          BACT
                                   BAGHOUSE
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(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 02/28/1986

APPENDIX -- DETAILED SOURCE LISTING

05/30/1990

SOURCE TYPE/SIZE REFUSE INCINERATION

COMPANY NAME/SITE LOCATION KENT COUNTY DEPT. OF PUBLIC WORKS
950 MARKET AVE. N.W.

GRAND RAPIDS, MI

DETERMINATION IS
PERMIT NO. 375-87DETERMINATION MADE BY MICHIGAN DNR, AQD
(AGENCY)RANDAL TELESZ
(AGENCY CONTACT PERSON)DATE OF PERMIT ISSUANCE-- 09/15/87
ESTIMATED DATE OF START-UP-- 1990
(517)-373-7023
(PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BOILER, SOLID WASTE, 2 EA	125.00 MMBTU/H			
		PM	0.0100 GR/DSCF 3H AVG DRY SCRUBBER/BAGHOUSE	BACT 99.00
		SO2	50.0000 PPMV, NOTE #1 DRY SCRUBBER	BACT 75.00
		NOX	400.0000 PPMV 1H AVG 35.0000 PPMV 3H AVG	BACT
		CO	200.0000 PPMV 1H AVG 50.0000 PPMV 4H AVG COMBUSTION MODIFICATION TECHNIQUES	BACT
		HCL	50.0000 PPMV, NOTE #2 DRY SCRUBBER	BACT 90.00
		FLU*	2.5000 MG/DSCM 3H AVG DRY SCRUBBER	BACT
		VOC	8.3000 MG/DSCM 3H AVG OPTIMUM COMBUSTION CONDITIONS	BACT
		PB	0.8700 MG/DSCM 3H AVG DRY SCRUBBER/BAGHOUSE	BACT
		HG	0.6100 MG/DSCM 3H AVG DRY SCRUBBER/BAGHOUSE	BACT
		H2S*	39.0000 MG/DSCM 3H AVG DRY SCRUBBER	BACT
		AR	6.2000 UG/DSCM 3H AVG DRY SCRUBBER/BAGHOUSE	BACT

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 05/01/1990

(CONTINUED) KENT COUNTY DEPT. OF PUBLIC WORKS

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS		... & BASIS
			CONTROL EQUIPMENT OR PROCESS MODIFICATION		... PCT EFF

SAME PROCESS (CONTINUED)					
		BE	0.1600	UG/DSCM 3H AVG DRY SCRUBBER/BAGHOUSE	BACT
		CA	37.0000	UG/DSCM 3H AVG DRY SCRUBBER/BAGHOUSE	BACT
		CR4	4.2000	UG/DSCM 3H AVG DRY SCRUBBER/BAGHOUSE	BACT
		PCD*	3.0000	NG/DSCM, NOTE #3 DRY SCRUBBER/BAGHOUSE	BACT
		VE	10.0000	% OPACITY, 6 MIN AVG DRY SCRUBBER/BAGHOUSE	BACT

NOTES -----

ALL EMISSIONS ARE ON A DRY BASIS. 1)SO2- OR 25% OF THE UNCONTROLLED SO2, WHICHEVER HAS GREATER CONC., BUT <75 PPM BASED ON AN 8H AVE. 2)HCL- OR 10% OF THE UNCONTROLLED HCL BASED ON AN 8H AVG, WHICHEVER IS LEAST RESTRICTIVE. 3)TOTAL POLYCHLORINATED DIBENZO-P-DIOXINS, PCDD'S, & TOTAL POLYCHLORINATED DIBENZOFURANS, PCDF'S, INCLUDING ALL TETRA-OCTA ISOMERS. LIMIT BASED ON AN 8H AVE, AS 2,3,7,8 TCDD TOXIC EQUIVALENTS TO BE CALCULATED USING THE U.S.EPA REF.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 05/01/1990

APPENDIX -- DETAILED SOURCE LISTING

05/30/1990

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SOURCE TYPE/SIZE          REFUSE INCINERATION          37.50 MW
-----
COMPANY NAME/SITE LOCATION  LANCASTER COUNTY SOLID WASTE MANAGEMENT*      CONOY TOWNSHIP, PA
                                           LANCASTER COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 36-340-001
DETERMINATION MADE BY PENNSYLVANIA BAQC
                        (AGENCY)
                                KANUBHAI PATEL
                                (AGENCY CONTACT PERSON)
                                DATE OF PERMIT ISSUANCE-- 02/22/89
                                ESTIMATED DATE OF START-UP-- 1992
                                (717)-657-4587
                                (PHONE)
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PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
INCINERATOR, MASS BURN, 3 EA	400.00 T/D			
		PM	0.0120 GR/DSCF FABRIC COLLECTOR	BACT 99.70
		PM10	0.0100 GR/DSCF FABRIC COLLECTOR	BACT
		SO2	29.0000 PPMV, 3H AVG 30.0000 PPMV, 1H AVG DRY SCRUBBER LIME INJ	BACT 90.00
		CO	50.0000 PPMV, 8H AVG 200.0000 PPMV, 1H AVG COMBUSTION CONTROL	BACT
		NOX	300.0000 PPMV, DAILY AVG COMBUSTION CONTROL	BACT
		HCL	30.0000 PPMV, 1H AVG 90.0000 %, 1H AVG DRY SCRUBBER LIME INJ	BAT
		PCD*	2.0000 NG/CUBIC METER COMBUSTION CONTROL	BAT

NOTES -----

STACK CONC. CORRECTED TO 7% O2 DRY. COMB EFFICIENCY NOT <99.9% 8HR AVG. CONDITIONS NOT< 1800F, 1 SEC. STACK TESTS- SEMI-ANNUAL
 -- PM,HCL, AS,CD,CRVI,NI,PB,BE,HG,ZN, ANNUAL -- PCDD,PCDF. CONTINUOUS MONITOR -- VE,SO2,NOX,
 HCL,CO2,CO,& O2. PCD IS PCDD/PCDF, 2,3,7,8 TCDD EQUIV.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 06/01/1989

APPENDIX -- DETAILED SOURCE LISTING

05/30/1990

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=====
SOURCE TYPE/SIZE      REFUSE INCINERATION      2001.00 T/D RDF
-----
COMPANY NAME/SITE LOCATION  MID-CONNECTICUT RESOURCE RECOVERY FACIL*      HARTFORD, CT
-----
DETERMINATION IS  B/L FOR A NEW SOURCE.
PERMIT NO. 075-0044 THRU 46
DETERMINATION MADE BY CONNECTICUT DEP      ALFRED CONKLIN      DATE OF PERMIT ISSUANCE-- 04/18/85
(AGENCY)      (AGENCY CONTACT PERSON)      ESTIMATED DATE OF START-UP-- 1989
                                           (203)-566-8230
                                           (PHONE)
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PROCESSES SUBJECT      THROUGHPUT      POLLUTANT      EMISSION LIMITS      ... & BASIS
TO THIS PERMIT      CAPACITY      EMITTED      CONTROL EQUIPMENT OR PROCESS MODIFICATION      ... PCT EFF
-----
FURNACE/BOILER, RDF/COAL-FIRED,*      249.00 MMBTU/H, CO*
      PM      0.0100 GR/DSCF AT 12% CO2      B/L
      0.0150 GR/DSCF AT 12% CO2
      DRY GAS SCRUBBER/BAGHOUSE
      SOX      0.3200 LB/MMBTU HEAT INPUT, RDF      BACT
      0.5500 LB/MMBTU HEAT INPUT, COAL
      DRY GAS SCRUBBER
      VOC      70.0000 PPMV AS CH4      B/L
      OPTIMUM COMBUSTION
      NOX      0.6000 LB/MMBTU HEAT INPUT      BACT
      OPTIMUM COMBUSTION
      HCL      50.0000 PPMV, SEE NOTE      BACT
      DRY GAS SCRUBBER
      CO      0.0020 CO/CO2 RATIO      90.00
      OPTIMUM COMBUSTION      LAER
      VE      10.0000 % OPACITY      BACT
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NOTES -----

EACH FURNACE IS CAPABLE OF CO-FIRING RDF AND BITUMINOUS COAL. THE FACILITY IS EXPECTED TO GENERATE UP TO 68 MW OF ELECTRICITY. FOR MORE INFORMATION ON PM LIMITS CONTACT STATE AGENCY PERSONNEL. HCL OPERATING LIMIT IS 80% REMOVAL OR 50 PPMV WHICHEVER IS L EAST STRINGENT, & 90% REMOVAL FOR EMISSION TESTING.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 11/25/1985

APPENDIX -- DETAILED SOURCE LISTING

05/30/1990

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=====
SOURCE TYPE/SIZE      REFUSE INCINERATION      600.00 T/D
-----
COMPANY NAME/SITE LOCATION  MMR/WALLACE      NEW CASTLE, DE 19720
                           1100 LAMBSON'S LANE
-----

DETERMINATION IS      DATE OF PERMIT ISSUANCE-- 01/01/84
PERMIT NO. APC 84/633-636 ESTIMATED DATE OF START-UP-- 1986
DETERMINATION MADE BY DELAWARE DNR, DAM      (302)-323-4542
                           (AGENCY)      A. MIRZAKHALILI      (PHONE)
                           (AGENCY CONTACT PERSON)
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=====
PROCESSES SUBJECT      THROUGHPUT      POLLUTANT      EMISSION LIMITS      ... & BASIS
TO THIS PERMIT          CAPACITY        EMITTED        CONTROL EQUIPMENT OR PROCESS MODIFICATION ... PCT EFF
-----
INCINERATOR, 5 EA      120.00 T/D
                        PM      0.0500 GR/DSCF      BACT
                        ESP      99.40
                        VE      20.0000 % OPACITY      BACT
                        ESP
                        CO      50.0000 PPM      BACT
                        GOOD COMBUSTION
=====

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(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 03/17/1989

APPENDIX -- DETAILED SOURCE LISTING

05/30/1990

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=====
SOURCE TYPE/SIZE      REFUSE INCINERATION      300.00 T/D REFUSE
-----
COMPANY NAME/SITE LOCATION  MONTGOMERY CNTY NORTH & SOUTH REDUCTION*      DAYTON, OH
                                           MONTGOMERY COUNTY
-----
DETERMINATION IS      DATE OF PERMIT ISSUANCE--
PERMIT NO. 08-956      ESTIMATED DATE OF START-UP--  1987
DETERMINATION MADE BY OHIO REGIONAL APCA      VICTORIA HATHAWAY-SARVER
(AGENCY)      (AGENCY CONTACT PERSON)      (513)-225-4438
                                           (PHONE)
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=====
PROCESSES SUBJECT      THROUGHPUT      POLLUTANT      EMISSION LIMITS      ... & BASIS
TO THIS PERMIT          CAPACITY        EMITTED        CONTROL EQUIPMENT OR PROCESS MODIFICATION ... PCT EFF
-----
INCINERATOR, ROTARY KILN, 2      300.00 T/D
                                PM      0.0300 GR/DSCF      BACT
                                ESP      99.00
                                SO2      2.5000 LB/T
                                VOC      0.4000 LB/T
                                SEE NOTE #1
                                NOX      3.2000 LB/T
                                SEE NOTE #2
                                CO      4.0000 LB/T
                                SEE NOTE #2
                                PB      0.0160 LB/T      BACT
                                ESP      99.00
                                VE      5.0000 % OPACITY      NSPS
                                ESP      99.00
=====

```

NOTES -----

NOTE #1 - VOC CONTROLLED BY KILN TEMPERATURE. NOTE #2 - NOX & CO CONTROLLED BY COMBUSTION EFFICIENCY. TESTS TO CONFIRM EMISSION RATES TO BE PERFORMED APPROX. APRIL 1987.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 03/31/1986

APPENDIX -- DETAILED SOURCE LISTING

05/30/1990

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=====
SOURCE TYPE/SIZE      REFUSE INCINERATION      1100.00 T/D
-----
COMPANY NAME/SITE LOCATION  NORTH COUNTY RESOURCE RECOVERY ASSOC.      SAN MARCOS, CA
-----
DETERMINATION IS  B/L FOR A NEW SOURCE.      DATE OF PERMIT ISSUANCE-- 11/30/84
PERMIT NO. 30289      ESTIMATED DATE OF START-UP-- 1988
DETERMINATION MADE BY SAN DIEGO COUNTY APCD      (619)-565-5908
              (AGENCY)      JUDITH LAKE      (PHONE)
              (AGENCY CONTACT PERSON)
=====

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PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BOILER, SEE NOTE #1	46.40 T/H RDF			
		NOX	200.0000 PPMV, 8 H AVG 169.0000 LB/H STAGED COMBUSTION, DESIGN	BACT
		SO2	30.0000 PPMV, 8 H AVG 38.9000 LB/H DRY SCRUBBER, BAGHOUSE	85.00
		PM	0.0100 GR/DSCF 64.5000 LB/H BAGHOUSE	99.00
		FSP	8.0000 EE-3 GR/DSCF BAGHOUSE STANDARD FOR PARTICLES < 2 MICRONS	99.00
		CO	400.0000 PPMV, 8 H AVG 236.0000 LB/H COMBUSTION DESIGN, NOTE #3	LAER
		VOC	30.0000 PPMV, 8 H AVG 10.1000 LB/H COMBUSTION DESIGN, NOTE #3	LAER
		HCL	30.0000 PPMV, 8 H AVG 10.4000 LB/H DRY SCRUBBER, BAGHOUSE	95.00
		HF	3.0000 PPMV, 8 H AVG 0.2080 LB/H DRY SCRUBBER, BAGHOUSE.	90.00

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 05/10/1986

(CONTINUED) NORTH COUNTY RESOURCE RECOVERY ASSOC.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
SAME PROCESS (CONTINUED)				
		HG	7.9500 EE-2 LB/H	
		PB	1.2700 EE-1 LB/H	
			BAGHOUSE	99.00
		SB	1.7300 EE-2 LB/H	
			BAGHOUSE	99.00
		AS	2.8400 EE-6 LB/H	
			BAGHOUSE	99.00
		BE	2.3400 EE-5 LB/H	
			BAGHOUSE	99.00
		CD	1.0900 EE-2 LB/H	
			BAGHOUSE	99.00
		CR	1.4600 EE-3 LB/H	
			BAGHOUSE	99.00
		CU	1.5600 EE-2 LB/H	
			BAGHOUSE	99.00
		MN	2.8000 EE-2 LB/H	
			BAGHOUSE	99.00
		MO	7.5400 EE-4 LB/H	
			BAGHOUSE	99.00
		NI	1.5300 EE-4 LB/H	
			BAGHOUSE	99.00
		SE	6.7100 EE-5 LB/H	
			BAGHOUSE	99.00
		SN	1.4400 EE-2 LB/H	
			BAGHOUSE	99.00
		V	6.2900 EE-3 LB/H	
			BAGHOUSE	99.00
		ZN	3.8600 EE-3 LB/H	
			BAGHOUSE	99.00
		PAH	2.3900 EE-5 LB/H	
			COMBUSTION DESIGN, NOTE#3	
		PCB	1.5200 EE-4 LB/H	
			COMBUSTION DESIGN, NOTE#3	
		PCDD	8.1200 EE-4 LB/H	
			COMBUSTION DESIGN, NOTE#3	
		PCDF	1.6400 EE-3 LB/H	
			COMBUSTION DESIGN, NOTE#3	
		ODOR	1.0000 ODOR UNIT AT PROP. LINE	
			ENCLOSED TIPPING AREA EXH. TO BOILER	

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 05/10/1986

(CONTINUED) NORTH COUNTY RESOURCE RECOVERY ASSOC.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF

SAME PROCESS (CONTINUED)				
		VE	10.0000 % OPACITY INSTANT MAX 0.0000 % OPACITY > 3 MIN/60 MIN PERIOD BAGHOUSE	99.00

NOTES -----

1) H2O-WALL, TRAVEL GRATE, SPREAD STOKER BOILER. 2) EXHAUST CONC ARE DRY, CORR TO 12% CO2. GASEOUS POLL AVG ON DAILY VOL BASIS W/ CORR TO 12% CO2 & ARE ROLL AVG. 3) AVG COMBUST ZONE TEMP=2000+-200F, MIN TEMP=1800F. MIN RESID TIME=2 SEC AT 1800F. AUX FUEL USED TO MAINTAIN TEMP. CO/CO2 EXHAUST CONC RATIO<0.0033. COMBUST TEMPS TO BE MONIT CONTIN. OPTIMUM COMBUST VERIFIED BY O2 MONIT AT AIR PREHEAT OUTLET. TOTAL VAR IN O2<30%. CEM'S REQ FOR NOX, CO, SO2, VOC, O2, CO2 W/COMPUTER LINK TO DIST OFFICE.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 05/10/1986

APPENDIX -- DETAILED SOURCE LISTING

05/30/1990

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=====
SOURCE TYPE/SIZE      REFUSE INCINERATION      1024.00 T/D
-----
COMPANY NAME/SITE LOCATION  NORTH COUNTY RESOURCE RECOVERY ASSOC.      SAN MARCOS, CA
-----
DETERMINATION IS
PERMIT NO. SD 84-01
DETERMINATION MADE BY EPA REGION IX      BOB BAKER
(AGENCY)      (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 04/02/85
ESTIMATED DATE OF START-UP--
(415)-974-8923
(PHONE)
=====

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=====
PROCESSES SUBJECT      THROUGHPUT      POLLUTANT      EMISSION LIMITS      ... & BASIS
TO THIS PERMIT      CAPACITY      EMITTED      CONTROL EQUIPMENT OR PROCESS MODIFICATION      ... PCT EFF
-----
BOILER      1024.00 T/D
      SO2      70.0000 PPM AT 12% CO2, 2 H AVG
      30.0000 PPM AT 12% CO2, 8 H AVG
      DRY SCRUBBER      83.00
      NOX      200.0000 PPM AT 12% CO2, 2 H AVG
      BOILER DESIGN & OVER/UNDERFIRE AIR
      PB      4.0000 EE-4 GR/DSCF AT 12% CO2, 2 H AVG
      BAGHOUSE & DRY SCRUBBER      90.00
      HG      0.1300 LB/H, 2 H AVG
      BAGHOUSE & DRY SCRUBBER
      HF      1.3000 LB/H, 2 H AVG
      DRY SCRUBBER      95.00
=====

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(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 04/20/1987

APPENDIX -- DETAILED SOURCE LISTING

05/30/1990

SOURCE TYPE/SIZE REFUSE INCINERATION

COMPANY NAME/SITE LOCATION NRG RECOVERY GROUP

, FL

LAKE COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.

PERMIT NO. PSD-FL-113

DETERMINATION MADE BY FLORIDA DER, BAR
(AGENCY)BARRY ANDREWS
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 02/19/88

ESTIMATED DATE OF START-UP-- 1990

(904)-488-1344
(PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
INCINERATOR, REFUSE, 2 EA	250.00 T/D	PM	0.0150 GR/DSCF PARTICULATE CONTROL	BACT
		SO2	60.0000 PPMDV, 6H AVG ACID GAS CONTROL	BACT 70.00
		NOX	385.0000 PPMDV	BACT
		CO	200.0000 PPMDV, 4H AVG COMBUSTION CONTROL	BACT
		VOC	70.0000 PPMDV COMBUSTION CONTROL	BACT
		PB	3.1000 E-4 GR/DSCF PARTICULATE & ACID GAS CONTROL	BACT
		FL	1.5000 E-3 GR/DSCF ACID GAS CONTROL	BACT
		BE	2.0000 E-7 GR/DSCF PARTICULATE & ACID GAS CONTROL	BACT
		HG	3.4000 E-4 GR/DSCF PARTICULATE & ACID GAS CONTROL	BACT
		VE	15.0000 % OPACITY, 6 MIN AVG PARTICULATE & ACID GAS CONTROL	BACT

NOTES -----

STACK CONCENTRATION CORR TO 12% CO2. CONTINUOUS EMISSION MONITORING FOR VE, O2, CO, CO2, SO2, FURNACE EXIT TEMPERATURE, & SCRUBBER OUTLET TEMPERATURE. ANNUAL TESTING FOR PM & NOX. FURNACE TEMPERATURE NOT LESS THAN 1800 F, SCRUBBER OUTLET TEMPERATURE NOT GREATER THAN 300 F.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 05/18/1990

APPENDIX -- DETAILED SOURCE LISTING

05/30/1990

SOURCE TYPE/SIZE

REFUSE INCINERATION

COMPANY NAME/SITE LOCATION

OGDEN MARTIN
170 ENTERPRISE DR.

BRISTOL, CT

DETERMINATION IS BACT FOR A NEW SOURCE.

PERMIT NO. 026-0027

DETERMINATION MADE BY CONNECTICUT DEP
(AGENCY)JOSEPH ULEVICUS
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 10/09/87

ESTIMATED DATE OF START-UP-- 1987

(203)-566-8230
(PHONE)PROCESSES SUBJECT
TO THIS PERMITTHROUGHPUT
CAPACITYPOLLUTANT
EMITTEDEMISSION LIMITS
CONTROL EQUIPMENT OR PROCESS MODIFICATION ... & BASIS
... PCT EFF

INCINERATOR, SOLID WASTE

13.54 T/H

PM	0.0350	LB/MMBTU FABRIC FILTER BAGHOUSE	99.60
SO2	0.3200	LB/MMBTU DRY GAS SCRUBBER	70.00
NO2	0.6000	LB/MMBTU COMBUSTION METHODS	
VOC	6.4400	LB/H COMBUSTION METHODS	
CO	41.3000	LB/H COMBUSTION METHODS	
PB	0.0800	LB/H COMBUSTION METHODS	
SUL*	0.0140	LB/MMBTU COMBUSTION METHODS	
HCL	0.0140	LB/MMBTU DRY GAS SCRUBBER	90.00
HG	8.6000	E-5 LB/MMBTU	

NOTES -----

ADDITIONAL HAZARDOUS POLLUTANTS EMITTED - TOTAL FLUORIDES, BE, PAH, NI, DIOXIN, ARSENIC, CR.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 04/30/1990

APPENDIX -- DETAILED SOURCE LISTING

05/30/1990

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=====
SOURCE TYPE/SIZE          REFUSE INCINERATION          650.00 T/D
-----
COMPANY NAME/SITE LOCATION  OGDEN MARTIN SYSTEMS OF BRISTOL          BRISTOL, CT
-----
DETERMINATION IS  B/L FOR A NEW SOURCE.
PERMIT NO. 026-0026 & 0027
DETERMINATION MADE BY CONNECTICUT DEP
                        (AGENCY)
                        ALFRED CONKLIN
                        (AGENCY CONTACT PERSON)
                        DATE OF PERMIT ISSUANCE-- 09/09/85
                        ESTIMATED DATE OF START-UP-- 1988
                        (203)-566-8230
                        (PHONE)
=====

```

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
FURNACE/BOILER, MSM FIRED, 2 EA	325.00 T/D MSM			
		PM	0.0100 GR/DSCF AT 12% CO2 0.0150 GR/DSCF AT 12% CO2 DRY GAS SCRUBBER/BAGHOUSE	BACT
		SOX	0.3200 LB/MMBTU HEAT INPUT DRY GAS SCRUBBER	BACT
		NOX	0.6000 LB/MMBTU HEAT INPUT OPTIMUM COMBUSTION	BACT
		VOC	70.0000 PPMV AS CH4 OPTIMUM COMBUSTION	BACT
		CO	0.0020 RATIO OF CO/CO2 OPTIMUM COMBUSTION	LAER
		HCL	50.0000 PPMV, SEE NOTE DRY GAS SCRUBBER	BACT
		VE	10.0000 % OPACITY	90.00

NOTES -----

EACH FURNACE IS EQUIPPED WITH A 50.0 MMBTU/H NATURAL GAS BURNER. THE FACILITY IS EXPECTED TO GENERATE 16.2 MW OF ELECTRICITY. FOR MORE INFORMATION ON THE PM LIMIT CONTACT STATE AGENCY PERSONNEL. HCL LIMIT IS 90% REMOVAL OR 50 PPMV WHICHEVER IS LEAST STRINGENT.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 11/25/1985

APPENDIX -- DETAILED SOURCE LISTING

05/30/1990

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=====
SOURCE TYPE/SIZE      REFUSE INCINERATION      2178.00 T/D
-----
COMPANY NAME/SITE LOCATION  OGDEN MARTIN SYSTEMS OF INDIANAPOLIS      INDIANAPOLIS, IN
-----
DETERMINATION IS LAER FOR A NEW SOURCE.      DATE OF PERMIT ISSUANCE-- 03/24/86
PERMIT NO. 11065      ESTIMATED DATE OF START-UP-- 1989
DETERMINATION MADE BY INDIANAPOLIS APCD      (317)-633-5497
      (AGENCY)      (AGENCY CONTACT PERSON)      (PHONE)
=====
  
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PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
INCINERATOR, MASS BURN, 3 EA	726.00 T/D			
		PM	0.0100 GR/DSCF AT 12% CO2 BAGHOUSE	LAER
		SO2	SEE NOTE #2 DRY SCRUBBER/BAGHOUSE	LAER 80.00
		NOX	272.0000 PPMV AT 12% CO2 COMBUSTION CONTROLS	BACT
		CO	135.0000 PPMV AT 12% CO2 COMBUSTION CONTROLS	BACT
		HG	2.8000 EE-4 GR/DSCF AT 12% CO2 DRY SCRUBBER/BAGHOUSE	BACT
		PB	1.0000 EE-3 GR/DSCF AT 12% CO2 BAGHOUSE	BACT
		VOC	3.3000 LB/H	INSP
		VE	10.0000 % OPACITY, 6 MIN AVG	INSP
		HCL	SEE NOTE #2 DRY SCRUBBER/BAGHOUSE	INSP 80.00
		DIO*	SEE NOTE #3 DRY SCRUBBER/BAGHOUSE TEMPERATURE	INSP

NOTES -----

NOTE#1 - SOURCE PERMITTED TO CODIPOSE 30 DRY TONS/D OF SEWAGE SLUDGE PER INCINERATOR. NOTE#2 - SO2 & HCL LIMITED TO 30 PPMV AT 12% CO2 WHEN INLET CONC. BELOW 150 PPMV, CONTROLLED BY 80% WHEN INLET CONC. ABOVE 150 PPMV.
NOTE#3 - TEMP. CONTROL REQUIRES MONITORING AT POINT REPRESENTING 2 SEC. RESIDENCE TIME AT 1800 F.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 04/01/1987

APPENDIX -- DETAILED SOURCE LISTING

05/30/1990

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=====
SOURCE TYPE/SIZE      REFUSE INCINERATION      550.00 T/D
-----
COMPANY NAME/SITE LOCATION  OGDEN MARTIN SYSTEMS OF MARION, INC.      BROOKS, OR
-----
DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 24-5398
DETERMINATION MADE BY OREGON DEQ      WENDY SIMS      DATE OF PERMIT ISSUANCE-- 12/19/83
      (AGENCY)      (AGENCY CONTACT PERSON)      ESTIMATED DATE OF START-UP-- 1986
                                      (503)-229-6414
                                      (PHONE)
=====
  
```

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
INCINERATOR, SOLID WASTE, 2 EA	275.00 T/D			
		PM	0.0300 GR/DSCF AT 12% CO2 61.0000 T/YR BAGHOUSE	
		NOX	122.2000 LB/H 492.0000 T/YR EQUIPMENT DESIGN & OPERATION	
		HCL	10.5000 LB/H 34.0000 T/YR DRY SCRUBBER	
		SO2	73.0000 LB/H 220.0000 T/YR EQUIPMENT DESIGN & OPERATION	
		VE	10.0000 % OPACITY SEE NOTE	
		CO	55.0000 LB/H 170.0000 T/YR EQUIPMENT DESIGN & OPERATION	
		HG	0.1700 LB/H 0.5100 T/YR EQUIPMENT DESIGN & OPERATION	
		VOC	3.1000 LB/H 9.6000 T/YR EQUIPMENT DESIGN & OPERATION	
		PB	0.5200 LB/H 1.6000 T/YR EQUIPMENT DESIGN & OPERATION	

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 08/10/1987

(CONTINUED) OGDEN MARTIN SYSTEMS OF MARION, INC.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
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SAME PROCESS (CONTINUED)

FLU*	1.6000 LB/H 4.8000 T/YR	EQUIPMENT DESIGN & OPERATION
BE	2.9000 EE-6 LB/H 8.8000 EE-6 T/YR	EQUIPMENT DESIGN & OPERATION
TCDD	1.7000 EE-6 LB/H 5.1000 EE-6 T/YR	TEMPERATURE CONTROL

NOTES -----

OPACITY NOT TO BE EXCEEDED FOR MORE THAN 3 MINUTES IN ANY ONE HOUR PERIOD. NOX & HCL LIMITS REVISED IN 1987.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 08/10/1987

APPENDIX -- DETAILED SOURCE LISTING

05/30/1990

SOURCE TYPE/SIZE REFUSE INCINERATION

COMPANY NAME/SITE LOCATION OGDEN MARTIN SYSTEMS OF SAN BERNARDINO ONTARIO, CA

DETERMINATION IS PERMIT NO. LA 87-01
 DETERMINATION MADE BY EPA REGION IX (AGENCY) TOM ANDREWS (AGENCY CONTACT PERSON)
 DATE OF PERMIT ISSUANCE-- 03/29/88
 ESTIMATED DATE OF START-UP-- (415)-974-7658 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
INCINERATOR, MASS BURN, 3 EA	533.00 T/D			
		SO2	42.0000 PPM AT 12% CO2 23.1000 LB/H EA LIME SLURRY DRY SCRUBBER	80.00
		PM10	0.0100 GR/DSCF AT 12% CO2 7.4000 LB/H EA BAGHOUSE	99.00
		HG	0.0057 LB/H EA DRY SCRUBBER/BAGHOUSE	

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 06/22/1988

APPENDIX -- DETAILED SOURCE LISTING

05/30/1990

SOURCE TYPE/SIZE

REFUSE INCINERATION

COMPANY NAME/SITE LOCATION

OGDEN MARTIN SYSTEMS OF TULSA, INC.

, OK

DETERMINATION IS BACT

PERMIT NO. T86-02, T84-23

DETERMINATION MADE BY TULSA CITY-COUNTY HEALTH DEPT
(AGENCY)JIM VAN SANDT
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 03/20/86

ESTIMATED DATE OF START-UP-- 1986

(918)-744-1000

(PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
INCINERATOR, SOLID WASTE, SEE N*	375.00 T/D	PM	0.0600 GR/DSCF, SEE NOTE 3 ESP - 4 FIELD	BACT 98.00
		SO2	50.5000 LB/H	BACT
		NOX	100.0000 LB/H	BACT
		VOC	1.7000 LB/H	BACT
		CO	20.8000 LB/H	BACT
		HG	0.0600 LB/H	BACT
		VE	10.0000 % OPACITY	BACT
INCINERATOR, SOLID WASTE, 2 EA	375.00 T/D	PM	0.0600 GR/DSCF, SEE NOTE 3 2 ESPS - 4 FIELDS	BACT 98.00
		SO2	100.9000 LB/H, SEE NOTE 2	BACT
		NOX	200.0000 LB/H	BACT
		VOC	4.6000 LB/H	BACT
		CO	41.6000 LB/H	BACT
		HG	0.1200 LB/H	BACT
		VE	10.0000 % OPACITY	BACT

NOTES -----

NOTE 1 - SIC CODES 4931 & 4961 ARE ALSO INVOLVED BECAUSE STEAM & ELECTRICITY WILL BE SOLD TO INDUSTRY. NOTE 2 - THIS IS AN ADDITION TO THE EXISTING TWO UNITS AT THE SAME LOCATION, BUT WITH DIFFERENT STACK. NOTE 3 - THIS INCLUDES THE BACK HALF OF THE SAMPLING TRAIN, CONDENSIBLES.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 04/01/1987

PAGE H- 200

ID NUMBER OK-0021

SOURCE TYPE CODE 2.1

APPENDIX -- DETAILED SOURCE LISTING

05/30/1990

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=====
SOURCE TYPE/SIZE      REFUSE INCINERATION      325.00 T/D
-----
COMPANY NAME/SITE LOCATION  OGDEN/MARTIN SYSTEMS OF ALEXANDRIA      ALEXANDRIA, VA
                           ARLINGTON WASTE-TO-ENERGY FACILITY
-----
DETERMINATION IS  B/N FOR A MODIFIED SOURCE.      DATE OF PERMIT ISSUANCE-- 07/26/88
PERMIT NO. 71895      ESTIMATED DATE OF START-UP-- 1988
DETERMINATION MADE BY VIRGINIA DAPC      JACK SCHUBERT
                           (AGENCY)      (AGENCY CONTACT PERSON)      (804)-786-0172
                                           (PHONE)
=====

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=====
PROCESSES SUBJECT      THROUGHPUT      POLLUTANT      EMISSION LIMITS      ... & BASIS
TO THIS PERMIT          CAPACITY        EMITTED        CONTROL EQUIPMENT OR PROCESS MODIFICATION  ... PCT EFF
-----
INCINERATOR, MSM      302000.00 T/YR
                        PM      0.0300 GR/DSCF AT STD CONDITIONS
                        8.1000 LB/H
                        ESP
                        SO2      34.0000 LB/H
                        149.0000 T/YR
                        ACID GAS CONTROL DEVICE
                        VOC      0.6700 LB/H
                        3.0000 T/YR
                        COMBUST CONTROL
                        NOX      79.0000 LB/H
                        310.0000 T/YR
                        COMBUST CONTROL
                        CO      68.5000 LB/H
                        23.1000 T/YR
                        COMBUST CONTROL
                        PB      0.5300 LB/H
                        2.3200 T/YR
                        COMBUST CONTROL
                        HCL      61.0000 LB/H
                        267.0000 T/YR
                        ACID GAS CONTROL DEVICE
                        HBR      7.3000 LB/H
                        31.9700 T/YR
                        ACID GAS CONTROL DEVICE
=====

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(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 10/15/1988

(CONTINUED) OGDEN/MARTIN SYSTEMS OF ALEXANDRIA

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF

SAME PROCESS (CONTINUED)				
		CD	3.2500 EE-2 LB/H 0.1420 T/YR ESP	
		SB	0.0400 LB/H 0.1750 T/YR ESP	
		AS	0.0093 LB/H 0.0400 T/YR ESP	
		HG	0.2200 LB/H 0.9600 T/YR ESP	
		BE	6.0000 EE-5 LB/H 2.6300 EE-4 T/YR ESP	
		HF	1.7000 LB/H 7.4500 T/YR ACID GAS CONTROL DEVICE	
		DIO*	2.0000 NG/NM3 AT 12% CO2 1.0200 EE-6 T/YR COMBUSTION CONTROLS INCIN. RESID. TIME	

NOTES -----

CHARGING RATE =< 325 T/UNIT & 302000 T/YR. OPERATING PROCEDURES & LIMITS REVIEWED & APPROVED BY THE BOARD. BOILER AUX FUEL - #
2 FUEL OIL. MINIMUM TEMP OF 1832F IN BOILER. RETEST CYCLE SETS SEASONAL FLUCTUATION EFFECTS OF SOLID WASTE INPUT.
RETESTING AT DISCRESSION OF THE BOARD PER TEST RESULTS. ASH ANALYSIS PERFORMED AS REQ. ODOR CONTROL - NEG PRESSURE ON TIPPING
FLOOR & USE OF BUILDING AIR AS COMBUST. AIR. CONTINUOUS EMIS MONIT.-OPACITY,CO,NOX,O2,& DRY LIME FEED RATE IS MANDATED.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 10/15/1988

APPENDIX -- DETAILED SOURCE LISTING

05/30/1990

SOURCE TYPE/SIZE REFUSE INCINERATION

COMPANY NAME/SITE LOCATION PASCO COUNTY

NEW PORT RICHEY, FL

DETERMINATION IS BACT FOR A NEW SOURCE.

PERMIT NO. PSD-FL-127

DETERMINATION MADE BY FLORIDA DER, BAR
(AGENCY)

BARRY ANDREWS
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 09/22/88
ESTIMATED DATE OF START-UP-- 1991
(904)-488-1344
(PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
INCINERATOR, REFUSE	1200.00 T/D			
		PM	0.0150 GR/DSCF AT 12% CO2 BAGHOUSE	BACT
		SO2	104.0000 PPMV AT 7% O2, 3H AVG 60.0000 PPMV AT 7% O2, 6H AVG DRY SCRUBBER	BACT 70.00 BACT
		NOX	0.6430 LB/MMBTU COMBUSTION CONTROL	BACT
		CO	400.0000 PPMV AT 7% O2, 1H AVG 100.0000 PPMV AT 7% O2, 8H AVG COMBUSTION CONTROL	BACT
		VOC	0.0210 LB/MMBTU COMBUSTION CONTROL	BACT
		PB	7.0000 E-4 LB/MMBTU DRY SCRUBBER/BAGHOUSE	BACT
		FL	0.0080 LB/MMBTU DRY SCRUBBER/BAGHOUSE	BACT
		BE	1.3500 E-7 LB/MMBTU DRY SCRUBBER/BAGHOUSE	BACT
		HG	8.0000 E-4 LB/MMBTU DRY SCRUBBER/BAGHOUSE	BACT
		VE	15.0000 % OPACITY, 6 MIN AVG DRY SCRUBBER/BAGHOUSE	BACT

NOTES -----

CONTINUOUS EMISSION MONITORING FOR VE, O2, CO, CO2, SO2, STEAM PRODUCTION, & TEMP AT FURNACE EXIT & SCRUBBER EXIT. ANNUAL TEST FOR PM & NOX. COMBUSTION EFFICIENCY NOT LESS THAN 99.5% 8 H AVG. FURNACE TEMPERATURE NOT LESS THAN 1800 F, SCRUBBER OUTLET TEMPERATURE NOT GREATER THAN 300 F.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 05/18/1990

APPENDIX -- DETAILED SOURCE LISTING

05/30/1990

SOURCE TYPE/SIZE

REFUSE INCINERATION

COMPANY NAME/SITE LOCATION

PFIZER, INC.
EASTERN POINT RD

GROTON, CT

DETERMINATION IS BACT FOR A MODIFIED SOURCE.

PERMIT NO. 070-0062

DETERMINATION MADE BY CONNECTICUT DEP
(AGENCY)MARK HULTMAN
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 01/08/88

ESTIMATED DATE OF START-UP-- 1988

(203)-566-8230

(PHONE)

PROCESSES SUBJECT
TO THIS PERMITTHROUGHPUT
CAPACITYPOLLUTANT
EMITTEDEMISSION LIMITS
CONTROL EQUIPMENT OR PROCESS MODIFICATION ... & BASIS
... PCT EFF

INCINERATOR, PATHOLOGICAL

750.00 LB/H

PM

0.0450 GR/DSCF AT 12% CO2
VENTURI SCRUBBER

86.80

NOTES -----

THIS INCINERATOR BURNS PATHOLOGICAL WASTE & BEDDING. BACT EMISSION RATE VERFIED BY STACK TEST. EFFICIENCY BASED ON A COMPARISO
N TO AP-42 PREDICTED EMISSION RATE.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 04/30/1990

APPENDIX -- DETAILED SOURCE LISTING

05/30/1990

SOURCE TYPE/SIZE REFUSE INCINERATION

COMPANY NAME/SITE LOCATION PREFERRED REDUCTION SERVICES, INC.

, UT

WEBER COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.

PERMIT NO. BAQE-366-89

DETERMINATION MADE BY UTAH BAQ

(AGENCY)

DAVE KOPTA
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 05/19/89

ESTIMATED DATE OF START-UP-- 1990

(801)-558-6108

(PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
INCINERATOR, GAS FIRED	1000.00 LB/H			
		PM	0.2000 LB/H 0.0100 GR/DSCF SEE NOTES	BACT
		NOX	3.8000 LB/H 250.0000 PPM SEE NOTES	BACT
		CO	0.9100 LB/H 100.0000 PPM SEE NOTES	BACT
		HCL	0.4400 LB/H SEE NOTES	BACT
		VE	0.0000 % OPACITY SEE NOTES	BACT

NOTES -----

SCRUBBING SYSTEM WITH QUENCHING, CONDENSER/ABSORBER, DUAL VENTURI SCRUBBER & MIST ELIMINATOR.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 04/30/1990

APPENDIX -- DETAILED SOURCE LISTING

05/30/1990

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=====
SOURCE TYPE/SIZE      REFUSE INCINERATION      750.00 T/D
-----
COMPANY NAME/SITE LOCATION  QUONSET POINT RESOURCE RECOVERY FACILITY      NORTH KINGSTOWN, RI
-----
DETERMINATION IS BACT FOR A NEW SOURCE.      DATE OF PERMIT ISSUANCE-- 10/04/89
PERMIT NO. RI-PSD-2      ESTIMATED DATE OF START-UP--
DETERMINATION MADE BY RHODE ISLAND DEM      (401)-277-2808
      (AGENCY)      DOUG MCVAY      (PHONE)
      (AGENCY CONTACT PERSON)
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=====
PROCESSES SUBJECT      THROUGHPUT      POLLUTANT      EMISSION LIMITS      ... & BASIS
TO THIS PERMIT      CAPACITY      EMITTED      CONTROL EQUIPMENT OR PROCESS MODIFICATION      ... PCT EFF
-----
INCINERATOR, MASS BURN, 2 EA      375.00 T/D
      PM      0.0150 GR/DSCF AT 12% CO2      BACT
      FABRIC FILTER
      HCL      90.0000 % CONTROL      BACT
      50.0000 PPMVD AT 12% CO2
      DRY SCRUBBER
      SO2      70.0000 % CONTROL
      50.0000 PPMVD AT 12% CO2
      DRY SCRUBBER
      NOX      300.0000 PPMVD AT 12% CO2      BACT
      COMBUSTION CONTROL
      CO      100.0000 PPMVD AT 7% O2, 8H AVG      BACT
      50.0000 PPMVD AT 7% O2, 4 DAY AVG
      COMBUSTION CONTROL
=====

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NOTES -----

NOX LIMIT TO BE REVISED. PERMIT ALSO CONTAINS EMISSION LIMITS FOR SB, AS, BE, CD, CR, CO, CU, PB, MN, HG, MO, NI, SE, SN, V, Z N, BAP, PAH, & DIOXINS/FURANS. WILL BE SUBJECT TO NEW NSPS.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 05/18/1990

05/30/1990

DETERMINATION IS BACK FOR A NEW SOURCE.
PERMIT NO.
DETERMINATION MADE BY NEW YORK STATE DEC
(AGENCY)
DICK FORGEA
(AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 01/31/86
ESTIMATED DATE OF START-UP-- 1988
(518)-457-2044
(PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
INCINERATOR, MASS BURN, 2 EA	375.00 T/D			
		PM	0.0200 GR/DSCF BAGHOUSE	
		SO2	70.0000 % REDUCTION DRY SCRUBBER	70.00
		CO	99.8000 % MINIMUM CE, 8 H 99.8000 % MINIMUM CE, 7 D COMBUSTION CONTROL	
		NOX	6.6000 LB/T MSW FURNACE DESIGN	

NOTES -----
CE = COMBUSTION EFFICIENCY = (CO+CO2)/CO2

DATE ENTERED/UPDATED: 06/22/1988

APPENDIX -- DETAILED SOURCE LISTING

05/30/1990

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=====
SOURCE TYPE/SIZE          REFUSE INCINERATION          1040.00 T/D
-----
COMPANY NAME/SITE LOCATION  SAN JUAN RESOURCE RECOVERY FACILITY          SAN JUAN, PR
-----
DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO.
DETERMINATION MADE BY EPA REGION II          HARISH PATEL          DATE OF PERMIT ISSUANCE-- 09/25/89
(AGENCY)          (AGENCY CONTACT PERSON)          ESTIMATED DATE OF START-UP--
(212)-264-6683
(PHONE)
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PROCESSES SUBJECT          THROUGHPUT          POLLUTANT          EMISSION LIMITS          ... & BASIS
TO THIS PERMIT          CAPACITY          EMITTED          CONTROL EQUIPMENT OR PROCESS MODIFICATION          ... PCT EFF
-----
COMBUSTOR, MASS BURN, 3          1040.00 T/D
NOX          50.5800 LB/H          BACT
          241.0000 PPMV, 1H AVG, NOTE#1
          COMBUSTION CONTROL
NOX          147.0000 PPMV, 12 MON AVG, NOTE#1          BACT
          COMBUSTION CONTROL
SO2          11.6900 LB/H          BACT
          40.0000 PPMV, 3H AVG, NOTE#1
          DRY SCRUBBER          80.00
PM          0.0100 GR/DSCF, NOTE#2          BACT
          2.7500 LB/H
          FABRIC FILTER
PM10          0.0100 GR/DSCF, NOTE#2          BACT
          FABRIC FILTER
CO          83.3900 LB/H          BACT
          654.0000 PPMV, 1H AVG
          COMBUSTION CONTROL
CO          400.0000 PPMV, 8H ROLL AVG          BACT
          100.0000 24H ROLL AVG
          COMBUSTION CONTROL
HG          0.0250 LB/H          BACT
          TEMPERATURE OPTIMIZATION TO FAB. FILTER
PB          0.0400 LB/H          BACT
          99.00
BE          1.0000 E-05 LB/H          99.00
=====

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(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 02/28/1990

(CONTINUED) SAN JUAN RESOURCE RECOVERY FACILITY

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
SAME PROCESS (CONTINUED)				
		AS	1.7200 E-03 LB/H DRY SCRUBBER/BAGHOUSE	
		CD	2.7600 E-03 LB/H DRY SCRUBBER/BAGHOUSE	
		NI	7.7000 E-02 LB/H DRY SCRUBBER/BAGHOUSE	
		CR	1.1700 E-02 LB/H DRY SCRUBBER/BAGHOUSE	
		H2S*	0.4500 LB/H DRY SCRUBBER	BACT 90.00
		HCL	50.0000 PPMV, 1H AVG, NOTE#1 90.0000 % REDUCTION DRY SCRUBBER	BACT 90.00
		HF	0.1800 LB/H DRY SCRUBBER	BACT 90.00
		VOC	2.3400 LB/H 32.0000 PPMV, 1H AVG COMBUSTION CONTROL	BACT
		TCDD	1.3800 E-06 LB/H DRY SCRUBBER/BAGHOUSE	BACT
		VE	10.0000 % OPACITY DRY SCRUBBER/BAGHOUSE	BACT

NOTES -----

NOTE #1-CORRECTED TO 7% O2 DRY. CONTINUOUS EMIS MONITORS FOR VE, CO, O2, NOX, SO2 - INLET & OUTLET OF ACID GAS CONTROL EQUIP.
 NOTE#2-CORR. TO 12% CO2. TEMP IN COMBUSTORS WILL BE MAINTAINED AT A MIN OF 1800F. TEMP AT THE INLET TO FABRIC FILTER
 SHALL RANGE FROM 280-320F. NOTE#4- OPACITY WILL NOT EXCEED 30% FOR ANY 4 MIN. DURING A 60 MINUTE PERIOD.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 02/28/1990

APPENDIX -- DETAILED SOURCE LISTING

05/30/1990

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=====
SOURCE TYPE/SIZE      REFUSE INCINERATION      3000.00 T/D
-----
COMPANY NAME/SITE LOCATION  SIGNAL BROOKLYN      NEW YORK, NY
                           BROOKLYN NAVY YARD
-----

DETERMINATION IS BACT
PERMIT NO.
DETERMINATION MADE BY EPA REGION II      PAUL KAHN      DATE OF PERMIT ISSUANCE--
                           (AGENCY)      (AGENCY CONTACT PERSON)      ESTIMATED DATE OF START-UP--
                                           (212)-264-6674
                                           (PHONE)
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PROCESSES SUBJECT      THROUGHPUT      POLLUTANT      EMISSION LIMITS      ... & BASIS
TO THIS PERMIT          CAPACITY        EMITTED        CONTROL EQUIPMENT OR PROCESS MODIFICATION ... PCT EFF
-----
INCINERATION, REFUSE    3000.00 T/D
                           NOX
                           SNCR, SEE NOTE      BACT
                           SO2      60.00
                           SPRAY DRYER/ADSORBER/BAGHOUSE      BACT
                           FLU*      75.00
                           SPRAY DRYER/ADSORBER/BAGHOUSE      BACT
                           HEA*      90.00
                           SPRAY DRYER/ADSORBER/BAGHOUSE      BACT
                           PM10      0.0130 GR/DSCF AT 12% CO2      99.00
                           SPRAY DRYER/ADSORBER/BAGHOUSE      BACT
                           DIO*      BACT
                           VE      10.0000 COMBUSTION CONTROL
                           % OPACITY      BACT
                           BAGHOUSE
=====

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NOTES -----

BACT FOR NOX NOT YET DECIDED IN FINAL FORM.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 03/01/1989

APPENDIX -- DETAILED SOURCE LISTING

05/30/1990

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=====
SOURCE TYPE/SIZE      REFUSE INCINERATION      576.00 T/D
-----
COMPANY NAME/SITE LOCATION  SIGNAL ENVIRONMENTAL SERVICES      CONCORD, NH
-----
DETERMINATION IS BACT
PERMIT NO. EPA-037-121NH04
DETERMINATION MADE BY NEW HAMPSHIRE ARD/EPA REG. 1
(AGENCY)
JAMES MARSTON
(AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 12/09/87
ESTIMATED DATE OF START-UP--
(603)-271-1370
(PHONE)
=====
  
```

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
INCINERATOR, MASS BURNING, 2 EA	288.00 T/D			
		PM	0.0200 GR/DSCF AT 12% CO2	BACT
			4.8500 LB/H MAX, 24H AVG	
			BAGHOUSE	99.90
		SO2	0.1950 LB/MMBTU	BACT
			21.0000 LB/H MAX, 24H AVG	
			DRY LIME INJ. SYSTEM	50.00
		NOX	0.6100 LB/MMBTU	BACT
			65.8000 LB/H MAX, 24H AVG	
			COMBUSTION CONTROL	
		CO	0.1100 LB/MMBTU	BACT
			11.8600 LB/H MAX, 4D ROLL AVG	
			COMBUSTION CONTROLS	
		CO	0.2800 LB/MMBTU	BACT
			32.2000 LB/H MAX, 8H AVG	
			COMBUSTION CONTROLS	
		PB	0.0034 LB/MMBTU	
			0.3700 LB/H MAX, 3 MON AVG	
		HCL	18.5000 LB/H	PERM
			DRY LIME INJ.	90.00

NOTES -----

ADDITIONAL STATE PERMIT LIMIT - TCDD=3.45 EE-6 LB/H, TCDF= 2.05 EE-5 LB/H, OPACITY N.T.E.=20%.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 10/15/1988

APPENDIX -- DETAILED SOURCE LISTING

05/30/1990

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=====
SOURCE TYPE/SIZE      REFUSE INCINERATION      2590.00 T/D MSM
-----
COMPANY NAME/SITE LOCATION  SOUTH BROWARD COUNTY RESOURCE RECOVERY *      , FL
-----
DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. PSD-FL-105
DETERMINATION MADE BY EPA REGION IV & FLORIDA DER      MICHAEL BRANDON
(AGENCY)      (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 05/15/87
ESTIMATED DATE OF START-UP-- 1989
(404)-347-2864
(PHONE)
=====

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PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
INCINERATOR, 3	863.00 T/D			
		PM	0.0150 GR/DSCF ESP	BACT
		SO2	0.0140 LB/MMBTU 0.3100 LB/MMBTU SCRUBBER	BACT 65.00
		NOX	0.5600 LB/MMBTU OPERATION	BACT
		CO	0.0900 LB/MMBTU OPERATION	BACT
		PB	1.5000 EE-3 LB/MMBTU ESP	BACT
		F	4.0000 EE-3 LB/MMBTU SCRUBBER	BACT 90.00
		BE	9.3000 EE-7 LB/MMBTU ESP	BACT
		HG	7.5000 EE-4 LB/MMBTU ESP	BACT
		VE	15.0000 % OPACITY	BACT

NOTES -----

UPPER SO2 LIMIT IS MAX EMISSION REGARDLESS OF MIN SCRUBBER EFFICIENCY REQUIRED BY PERMIT & LOWER SO2 LIMIT IS THE EXPECTED EM
SSION AT THE REQUIRED CONTROL EFFICIENCY.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 08/10/1987

APPENDIX -- DETAILED SOURCE LISTING

05/30/1990

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=====
SOURCE TYPE/SIZE      REFUSE INCINERATION      800.00 T/D
-----
COMPANY NAME/SITE LOCATION  STANISLAUS WASTE ENERGY CO.      , CA      STANISLAUS COUNTY
-----
DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. SJ 86-03
DETERMINATION MADE BY EPA REGION IX
                        (AGENCY)
BOB BAKER
(AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 08/11/86
ESTIMATED DATE OF START-UP-- 1988
(415)-974-8923
(PHONE)
=====
  
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PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BOILER, WATER WALL, 2 EA	400.00 T/D			
		SO2	42.0000 PPM AT 12% CO2, 3 H AVG DRY SCRUBBER, LIME SLURRY	80.00
		NOX	175.0000 PPM AT 12% CO2, 3 H AVG AMMONIA INJECTION	40.00
		CO	400.0000 PPM AT 12% CO2 COMBUSTION CONTROLS	
		HG	0.0830 LB/H BAGHOUSE & DRY SCRUBBER	
		PM	0.0100 GR/DSCF AT 12% CO2 BAGHOUSE	99.00

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 04/20/1987

APPENDIX -- DETAILED SOURCE LISTING

05/30/1990

SOURCE TYPE/SIZE

REFUSE INCINERATION

COMPANY NAME/SITE LOCATION

TRI-CITIES RESOURCE RECOVERY

, CA

DETERMINATION IS FOR A NEW SOURCE.

PERMIT NO. 29795

DETERMINATION MADE BY BAY AREA AQMD
(AGENCY)BRIAN BATEMAN
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 12/03/85

ESTIMATED DATE OF START-UP-- 1988

(415)-771-6000
(PHONE)PROCESSES SUBJECT
TO THIS PERMITTHROUGHPUT
CAPACITYPOLLUTANT
EMITTEDEMISSION LIMITS
CONTROL EQUIPMENT OR PROCESS MODIFICATION... & BASIS
... PCT EFF

FACILITY, MUNICIPAL SOLID WASTE*

480.00 T/D

PM	0.0100	GR/DSCF
		DRY SCRUBBER, BAGHOUSE
SOX	30.0000	PPMVD AT 12% O2
		DRY SCRUBBING
NOX	200.0000	PPMVD AT 12% O2
		FLUE GAS RECIRCULATION
		COMBUSTION MODIFICATION
CO	100.0000	PPMVD AT 12% CO2
		COMBUSTION MODIFICATION
VOC	50.0000	PPMVD AT 12% CO2
		COMBUSTION MODIFICATION

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 06/04/1986

APPENDIX -- DETAILED SOURCE LISTING

05/30/1990

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=====
SOURCE TYPE/SIZE          REFUSE INCINERATION          560.00 T/D
-----
COMPANY NAME/SITE LOCATION  VICON RECOVERY SYSTEMS          MANCHESTER, NH
                           MANCHESTER WASTE-TO-ENERGY FACILITY
-----
DETERMINATION IS BACT
PERMIT NO. EPA-036-121NH03
DETERMINATION MADE BY NEW HAMPSHIRE ARD/EPA REG. 1
                           (AGENCY)
                           JAMES MARSTON
                           (AGENCY CONTACT PERSON)
                           DATE OF PERMIT ISSUANCE-- 05/22/87
                           ESTIMATED DATE OF START-UP--
                           (603)-271-1370
                           (PHONE)
=====
  
```

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
INCINERATOR, MASS BURNING, 4 EA	140.00 T/D			
		SO2	0.1950 LB/MMBTU 10.2500 LB/H MAX DRY LIME INJ. SYSTEM	BACT 65.00
		NOX	0.3300 LB/MMBTU 17.5000 LB/H MAX COMBUSTION CONTROLS	BACT
		CO	0.1100 LB/MMBTU 5.7300 LB/H MAX COMBUSTION CONTROLS	BACT
		PB	0.0340 LB/MMBTU 1.7700 LB/H MAX BAGHOUSE	BACT
		PM	0.0350 GR/DSCF AT 12% CO2 2.4800 LB/H MAX, 3 H AVG BAGHOUSE	PERM 90.00
		HCL	3.3900 LB/H, 3H AVG	PERM
		TCDD	1.6000 EE-7 LB/H	PERM
		TCDF	5.0000 EE-6 LB/H	PERM

NOTES -----

PM LESS THAN 100 TONS, AREA NON-ATTAINMENT FOR PM. LAER DOES NOT APPLY & BACT DOES NOT APPLY, NON-ATTAINMENT AREAS.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 10/15/1988

APPENDIX -- DETAILED SOURCE LISTING

05/30/1990

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=====
SOURCE TYPE/SIZE      REFUSE INCINERATION      4080.00 KW
-----
COMPANY NAME/SITE LOCATION  VICON RECOVERY SYSTEMS      RUTLAND, VT
                           RUTLAND RESOURCE RECOVERY FACILITY
-----
DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO.
DETERMINATION MADE BY VERMONT NR, APCD      HAROLD GARABEDIAN      DATE OF PERMIT ISSUANCE-- 09/11/86
                           (AGENCY)      (AGENCY CONTACT PERSON)      ESTIMATED DATE OF START-UP-- 1987
                                           (802)-244-8731
                                           (PHONE)
=====

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PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
INCINERATOR, MSW, 2 EA	120.00 T/D			
		CO	300.0000 PPM AT 12% CO2, 1H AVG 50.0000 PPM AT 12% CO2, 24H AVG FIRING EQUIP. DESIGN COMBUSTION AIR CONTROL	MSER
		PM	0.0100 GR/DSCF AT 12% CO2 ESP	MSER
		DIO*	6.3000 EE-8 LB/H ESP	MSER
		HCL	9.4000 LB/H PACKED TOWER ABSORBER/SCRUBBER	MSER
		SO2	12.0000 LB/H PACKED TOWER ADSORBER/SCRUBBER	MSER
		NOX	36.0000 LB/H COMBUSTION MODIFICATION	MSER
		PB	0.4000 LB/H ESP	MSER
		F	0.3000 LB/H ESP	MSER
		HG	0.0045 LB/H ESP	MSER
		BE	1.6000 EE-4 LB/H ESP	MSER

NOTES -----
EMISSION RATES FOR CO & PM ALLOWABLE FOR EACH INCINERATOR, WHILE EMISSION RATES FOR HCL, SO2, NOX, PB, F, HG, & BE ARE TOTAL ALLOWABLE FROM BOTH INCINERATORS. EACH INCINERATOR HAS ITS OWN AIR POLLUTION CONTROL SYSTEM - ESP, HEAT EXCHANGER, PACKED TOWER ADSORBER/SCRUBBER. MSER - MOST STRINGENT EMISSION RATE ANALYSIS - VERMONT'S EQUIVALENT TO FEDERAL BACT/LAER.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 02/28/1990

APPENDIX -- DETAILED SOURCE LISTING

05/30/1990

SOURCE TYPE/SIZE REFUSE INCINERATION

COMPANY NAME/SITE LOCATION WALLINGFORD R.R. ASSOC, L.P.
CHERRY ST.

WALLINGFORD, CT

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 189-0061 THRU 63
DETERMINATION MADE BY CONNECTICUT DEP
(AGENCY)

JOSEPH ULEVICUS
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 12/05/89
ESTIMATED DATE OF START-UP-- 1988
(203)-566-8230
(PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
INCINERATOR, MSW	5.83 T/H	PM	0.0300 LB/MMBTU FABRIC FILTER	99.50
		SO2	0.2900 LB/MMBTU DRY GAS SCRUBBER	70.00
		NOX	0.6000 LB/MMBTU COMBUSTION CONTROLS	
		VOC	0.0400 LB/MMBTU COMBUSTION CONTROLS	
		CO	0.2400 LB/MMBTU COMBUSTION CONTROLS	
		PB	0.0020 LB/MMBTU FABRIC FILTER	99.50
		HAZ*	NO LIMITS GIVEN	
INCINERATOR, MSW	5.83 T/H	PM	0.0300 LB/MMBTU FABRIC FILTER	99.50
		SO2	0.2900 LB/MMBTU DRY GAS SCRUBBER	70.00
		NOX	0.6000 LB/MMBTU COMBUSTION CONTROLS	
		VOC	0.0400 LB/MMBTU COMBUSTION CONTROLS	
		CO	0.2400 LB/MMBTU COMBUSTION CONTROLS	

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 04/30/1990

(CONTINUED) WALLINGFORD R.R. ASSOC, L.P.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
SAME PROCESS (CONTINUED)				
INCINERATOR, MSW	5.83 T/H	PB	0.0020 LB/MMBTU	99.50
		HAZ*	FABRIC FILTER NO LIMITS GIVEN	
		PM	0.0300 LB/MMBTU	99.50
		SO2	0.2900 LB/MMBTU	
			DRY GAS SCRUBBER	70.00
		NOX	0.6000 LB/MMBTU	COMBUSTION CONTROLS
		VOC	0.0400 LB/MMBTU	
			COMBUSTION CONTROLS	COMBUSTION CONTROLS
		CO	0.2400 LB/MMBTU	
			COMBUSTION CONTROLS	99.50
PB	0.0020 LB/MMBTU			
HAZ*	FABRIC FILTER NO LIMITS GIVEN			

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 04/30/1990

APPENDIX -- DETAILED SOURCE LISTING

05/30/1990

SOURCE TYPE/SIZE REFUSE INCINERATION 1400.00 T/D RDF

COMPANY NAME/SITE LOCATION WEST PALM BEACH SOLID WASTE RESOURCE RE* , FL

DETERMINATION IS BACT FOR A NEW SOURCE. DATE OF PERMIT ISSUANCE-- 12/16/86
 PERMIT NO. PSD-FL-108 ESTIMATED DATE OF START-UP-- 1988
 DETERMINATION MADE BY EPA REGION IV & FLORIDA DER (404)-347-2864
 (AGENCY) MICHAEL BRANDON (PHONE)
 (AGENCY CONTACT PERSON)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
INCINERATOR, 2	700.00 T/D RDF			
		PM	0.0150 GR/DSCF ESP	BACT
		SO2	0.3200 LB/MMBTU ADDITION OF LIMESTONE TO RDF FUEL	BACT 65.00
		NOX	0.3200 LB/MMBTU OPERATION	BACT
		CO	400.0000 PPMV,3H AVG OPERATION	BACT
		PB	4.0000 EE-4 LB/MMBTU ESP	BACT
		F	3.2000 EE-3 LB/MMBTU ADDITION OF LIMESTONE TO RDF FUEL	BACT 90.00
		BE	7.3000 EE-7 LB/MMBTU ESP	BACT
		HG	3200.0000 G/D ESP	BACT
		ACI*	3.2000 EE-5 LB/MMBTU ADDITION OF LIMESTONE TO RDF FUEL	BACT 90.00
		VE	15.0000 % OPACITY	BACT
		VOC	2.3000 EE-2 LB/MMBTU OPERATION	UNRG

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 08/10/1987

APPENDIX -- DETAILED SOURCE LISTING

05/30/1990

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SOURCE TYPE/SIZE	REFUSE INCINERATION	1344.00 T/D
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COMPANY NAME/SITE LOCATION	YORK COUNTY SOLID WASTE & REFUSE AUTHOR*	, PA	YORK COUNTY
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DETERMINATION IS BACT FOR A NEW SOURCE.		DATE OF PERMIT ISSUANCE--	05/13/87
PERMIT NO. 67-340-001		ESTIMATED DATE OF START-UP--	1988
DETERMINATION MADE BY PENNSYLVANIA DER	BILL SCHILDT	(717)-787-4324	
(AGENCY)	(AGENCY CONTACT PERSON)	(PHONE)	

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PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
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INCINERATOR, MASS BURN, 3		PM	0.0150 GR/DSCF AT 7% O2, DRY FABRIC FILTER	BACT
		HCL	30.0000 PPMV 90.0000 % REDUCTION/H SPRAY DRYER	BACT
		SO2	30.0000 PPMV 70.0000 % REDUCTION/H	BACT
		CO	100.0000 PPMV, 4 D AVG	BACT
		PCD*	2.0000 NG/NORMAL METER CUBED AT 7% O2 DRY	
		VE	10.0000 % OPACITY WITH 3 MIN EXCLUSION/H	99.90

NOTES -----

CEM-VE,SO2,NOX,HCL,CO2,CO,O2. STACK TEST-PM,HCL,AS, CD,HEXAVALENT CR,NI,PB,ZN,PCDD,PCDF. TESTING SHALL BE CONDUCTED EVERY 6 MONTHS EXCEPT DIOXINS/FURANS WHICH SHALL BE TESTED ANNUALLY.
COMBUSTION EFFICIENCY MUST EQUAL 99.9%. WASTE HEAT WILL BE RECOVERED VIA 35.0 MM STEAM TURBINE.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 07/24/1987

APPENDIX -- DETAILED SOURCE LISTING

05/30/1990

SOURCE TYPE/SIZE SEWAGE SLUDGE INCINERATION

COMPANY NAME/SITE LOCATION MATTABASSETT DISTRICT
ROUTES 9 & 99

CROMWELL, CT

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 043-0007
DETERMINATION MADE BY CONNECTICUT DEP
(AGENCY)MARK PEAK
(AGENCY CONTACT PERSON)DATE OF PERMIT ISSUANCE-- 09/29/89
ESTIMATED DATE OF START-UP-- 1990
(203)-566-8230
(PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
INCINERATOR, SEWAGE SLUDGE, FLU*	2.00 T/H	PM	1.3000 LB/T DRY SLUDGE WET SCRUBBER	
		SO2	0.3400 LB/MMBTU WET SCRUBBER	
		NOX	0.3470 LB/MMBTU COMBUSTION METHODS	
		VOC	0.0760 LB/MMBTU COMBUSTION METHODS	
		CO	0.1780 LB/MMBTU COMBUSTION METHODS	
		PB	0.0120 LB/H WET SCRUBBER	
		BE	0.0220 LB/24 H WET SCRUBBER	
		HG	7.0550 LB/24 H WET SCRUBBER	
		HCL	50.0000 PPMV WET WET SCRUBBER	

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 04/30/1990

APPENDIX -- DETAILED SOURCE LISTING

05/30/1990

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SOURCE TYPE/SIZE	SEWAGE SLUDGE INCINERATION	303.00 T/D
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COMPANY NAME/SITE LOCATION	MILL CREEK TREATMENT PLANT - MSD	CINCINNATI, OH
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DETERMINATION IS BACT		DATE OF PERMIT ISSUANCE-- 12/31/86
PERMIT NO. 14-987		ESTIMATED DATE OF START-UP-- 1987
DETERMINATION MADE BY SOUTHWEST OHIO APCA	PEG GROEBER	(513)-251-8777
(AGENCY)	(AGENCY CONTACT PERSON)	(PHONE)

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PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
INCINERATOR, 4 EA	61.20 T/D DRY	PM	1.1000 LB/T DRY IMPINGEMENT SCRUBBER	BACT
		NOX	5.0000 LB/T DRY	BACT
		HG	3200.0000 GR/24H LIMIT HG CONTENT OF SLUDGE	NESH
INCINERATOR, 2 EA	67.70 T/D DRY	PM	1.1000 LB/T DRY AFTERBURNER, VENTURI SCRUB., IMPINGEMENT SCRUB.	BACT
		NOX	5.0000 LB/T DRY	BACT
		HG	3200.0000 GR/24H LIMIT HG CONTENT OF SLUDGE	NESH

NOTES -----
HG LIMIT IS TOTAL FOR ALL 6 UNITS.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 05/15/1987

APPENDIX -- DETAILED SOURCE LISTING

05/30/1990

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SOURCE TYPE/SIZE      OTHER SOLID WASTE DISPOSAL
-----
COMPANY NAME/SITE LOCATION  AQUATIC SYSTEMS, INC.                LUDINGTON, MI
-----
DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 166-88
DETERMINATION MADE BY MICHIGAN DNR, AQD      GREGORY EDWARDS      DATE OF PERMIT ISSUANCE--
(AGENCY)      (AGENCY CONTACT PERSON)  ESTIMATED DATE OF START-UP--
                                           (517)-373-7023
                                           (PHONE)
=====
  
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PROCESSES SUBJECT      THROUGHPUT      POLLUTANT      EMISSION LIMITS      ... & BASIS
TO THIS PERMIT          CAPACITY        EMITTED        CONTROL EQUIPMENT OR PROCESS MODIFICATION ... PCT EFF
-----
FURNACE, RECOVERY      40.00 LB/H CARBON      VOC                        AFTERBURNER, SEE NOTES      BACT
                                           99.90
  
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NOTES -----

AFTERBURNER OPERATING AT 2100 DEGREE F & 3 SECONDS RETENTION TIME, IN ANTICIPATION OF LATER MODIFICATION TO PROCESS CARBON CONTAINING CHLORINATED SOLVENTS.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 05/01/1990

APPENDIX -- DETAILED SOURCE LISTING

05/30/1990

SOURCE TYPE/SIZE

OTHER SOLID WASTE DISPOSAL

COMPANY NAME/SITE LOCATION ATLANTIC ELECTRIC REBUILDERS

, VA

DETERMINATION IS BACT FOR A NEW SOURCE.

PERMIT NO. 50954

DETERMINATION MADE BY VIRGINIA SAPCB
(AGENCY)CHARLES HOLMES
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 02/23/88

ESTIMATED DATE OF START-UP--

(804)-786-6079

(PHONE)

PROCESSES SUBJECT
TO THIS PERMITTHROUGHPUT
CAPACITYPOLLUTANT
EMITTED

EMISSION LIMITS

CONTROL EQUIPMENT OR PROCESS MODIFICATION

... & BASIS

... PCT EFF

OVEN, BURNOUT

6.00 GAL/H LP GAS

PM

0.1000 GR/DSCF AT 12% CO2
AFTERBURNER

96.70

PCB

0.0100 G/S
0.2000 KG/D
AFTERBURNER

NOTES -----

JULY 17, 1986 PERMIT AMENDED TO RELOCATE A TRANSFORMER SCRAPPING PLANT. PLANT FORMERLY COMPTON ELECTRIC. OVEN OPERATING SCHEDULE LIMITED TO SIX HOURS PER DAY, FOUR DAYS PER WEEK, 41 WEEKS PER YEAR.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 06/22/1988

APPENDIX -- DETAILED SOURCE LISTING

05/30/1990

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SOURCE TYPE/SIZE      OTHER SOLID WASTE DISPOSAL      560.00 LB/H
-----
COMPANY NAME/SITE LOCATION  BFI OF OHIO & MICHIGAN, INC.      TOLEDO, OH
-----
DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 04-429
DETERMINATION MADE BY TOLEDO ENVIRONMENTAL SERVICES
(AGENCY)
DALE KRYGIELSKI
(AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 04/27/88
ESTIMATED DATE OF START-UP-- 1988
(419)-693-0350
(PHONE)
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PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BOILER, GAS FIRED, 2 EA	3.30 MMBTU/H	PM	0.0200 LB/MMBTU	BACT
		NOX	0.0100 LB/MMBTU	BACT
		VE	0.0000 % OPACITY	BACT
INCINERATOR, PATHOLOGICAL WASTE*	560.00 LB/H	PM	0.1000 LB/100 LB CHARGE TEMP=2000F, 2 SEC RESID TIME	BACT
		CL2	4.0000 LB/H AS HCL	BACT
		NOX	6.0000 LB/T CHARGED	BACT
		VE	0.0000 % OPACITY TEMP=2000F, 2 SEC RESID TIME	BACT
AUTOClave, 2 EA	1600.00 LB/H	VE	0.0000 % OPACITY	BACT

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 04/24/1989

APPENDIX -- DETAILED SOURCE LISTING

05/30/1990

SOURCE TYPE/SIZE OTHER SOLID WASTE DISPOSAL 273980.00 T

COMPANY NAME/SITE LOCATION BROWNING-FERRIS IND. OF OHIO/MICHIGAN I* TOLEDO, OH

DETERMINATION IS BACT FOR A NEW SOURCE. DATE OF PERMIT ISSUANCE-- 11/26/86
 PERMIT NO. 04-354 ESTIMATED DATE OF START-UP-- 1986
 DETERMINATION MADE BY TOLEDO ENVIRONMENTAL SERVICES DALE KRYGIELSKI
 (AGENCY) (AGENCY CONTACT PERSON) (419)-693-0350
 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
ROADS, PAVED	0.46 MILES	PM	NOT APPLICABLE SEE NOTES	SIP 75.00
ROADS, UNPAVED	0.91 MILES	PM	NOT APPLICABLE SEE NOTES	SIP 90.00
LANDFILL, DEMOLITION REFUSE	273980.00 T	PM	NOT APPLICABLE SEE NOTES	SIP 46.00

NOTES -----
 ROADS CONTROLS INCLUDE VACUUM SWEEPING, CHEMICAL STABILIZATION, FLUSHING WITH WATER, WATERING, & SURFACE IMPROVEMENTS. LANDFILL CONTROLS INCLUDE WATERING EXCAVATED AREA & TEMPORARY BERMS AROUND LANDFILL.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 12/09/1987

APPENDIX -- DETAILED SOURCE LISTING

05/30/1990

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SOURCE TYPE/SIZE OTHER SOLID WASTE DISPOSAL

COMPANY NAME/SITE LOCATION EXETER ENERGY LIMITED PARTNERS
 P.O. BOX 126

STERLING, CT

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 176-0001 & 2
DETERMINATION MADE BY CONNECTICUT DEP
 (AGENCY)

MARK HULTMAN
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 06/22/89
ESTIMATED DATE OF START-UP-- 1991
(203)-566-8230
 (PHONE)

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PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
INCINERATOR, TIRE	12320.00 LB/H			
		PM10	0.0150 GR/DSCF AT 12% CO2 FABRIC FILTER	99.90
		SO2	0.1090 LB/MMBTU WET LIME SCRUBBER	95.00
		NOX	0.1200 LB/MMBTU THERMAL DE-NOX	50.00
		CO	0.1670 LB/MMBTU COMBUSTION METHODS	
		VOC	0.0300 LB/MMBTU COMBUSTION METHODS	
INCINERATOR, TIRE	12320.00 LB/H			
		PM10	0.0150 GR/DSCF AT 12% CO2 FABRIC FILTER	99.90
		SO2	0.1090 LB/MMBTU WET LIME SCRUBBER	95.00
		NOX	0.1200 LB/MMBTU THERMAL DE-NOX	50.00
		CO	0.1670 LB/MMBTU COMBUSTION METHODS	
		VOC	0.0300 LB/MMBTU COMBUSTION METHODS	

NOTES -----

THIS SOURCE HAS TWO IDENTICAL INCINERATORS/ BOILER UNITS WITH A TOTAL PROCESS RATE OF 12.3 T/H OF WASTE TIRES.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 04/30/1990

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APPENDIX -- DETAILED SOURCE LISTING

05/30/1990

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SOURCE TYPE/SIZE	OTHER SOLID WASTE DISPOSAL	15960.00 T/YR

COMPANY NAME/SITE LOCATION	INCENDERE, INC.	NORFOLK, VA

DETERMINATION IS BACT FOR A NEW SOURCE. PERMIT NO. 61038 DETERMINATION MADE BY VIRGINIA SAPCB (AGENCY)	JACK SCHUBERT (AGENCY CONTACT PERSON)	DATE OF PERMIT ISSUANCE-- 02/26/88 ESTIMATED DATE OF START-UP-- (804)-786-0172 (PHONE)

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PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF

INCINERATOR, 2 EA	7980.00 T/YR	PM	0.1000 GR/DSCF AT 12% CO2 AFTERBURNER	90.00
		NO2	2.9000 LB/H 12.0000 T/YR	
		HCL	12.6000 LB/H 52.8000 T/YR	

NOTES -----

PERMIT TO INSTALL & OPERATE TWO NEW CONSUMAT CS-760-HE PATHOLOGICAL INCINERATORS. SOURCE ALSO HOLDS A SEPERATE, PREVIOUSLY-ISSUED PERMIT FOR ANOTHER INCINERATOR. NATURAL GAS IS THE APPROVED AUXILIARY FUEL. HYDROGEN CHLORIDE EMISSION LIMIT IS BASED ON SOURCE'S GRAB SAMPLE RESULTS - STACK TEST WILL BE PERFORMED TO VERIFY.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 06/22/1988

APPENDIX -- DETAILED SOURCE LISTING

05/30/1990

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=====
SOURCE TYPE/SIZE      OTHER SOLID WASTE DISPOSAL      100.00 LB/H
-----
COMPANY NAME/SITE LOCATION  MERCER VAULT CO.      FREDERICKSBURG, VA
-----
DETERMINATION IS
PERMIT NO. (7)40745
DETERMINATION MADE BY VIRGINIA APCB
                        ( AGENCY )
CATHY TAYLOR
( AGENCY CONTACT PERSON )
DATE OF PERMIT ISSUANCE-- 11/25/86
ESTIMATED DATE OF START-UP-- 1987
(804)-786-4867
                        ( PHONE )
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PROCESSES SUBJECT      THROUGHPUT      POLLUTANT      EMISSION LIMITS      ... & BASIS
TO THIS PERMIT          CAPACITY        EMITTED        CONTROL EQUIPMENT OR PROCESS MODIFICATION ... PCT EFF
-----
INCINERATOR, CREMATORY  100.00 LB/H
                        PM      8.0000 EE-2 GR/DSCF CORR TO 12% CO2
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NOTES -----

OPERATION LIMITED TO 8 H/D, 5 D/WK, & 52 WK/YR. ANNUAL CREMATION NOT TO EXCEED 15 T/YR. LIMITED TO 3 CASES PER DAY, 60 CASES/M ONTH. EACH CASE IS TO BE CREMATED FOR AT LEAST 2 H. NAT GAS IS APPROVED FUEL. NO FIBERGLASS OR PLASTIC CASKETS ALLOWED FOR CREMATION. STACK HEIGHT AT LEAST 21 FT ABOVE GRADE CREMATION. PROCEDURE IS TO FOLLOW OWNERS MANUAL FOR THE CREMATORY. 15000 CU FEET PER HOUR REQUIRED OF AMBIENT AIR.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 04/15/1987

APPENDIX -- DETAILED SOURCE LISTING

05/30/1990

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SOURCE TYPE/SIZE	OTHER SOLID WASTE DISPOSAL	500.00 LB/H

COMPANY NAME/SITE LOCATION	METROPOLITAN FUNERAL SERVICES, INC.	FAIRFAX, VA

DETERMINATION IS BACT FOR A NEW SOURCE. PERMIT NO. 71705 DETERMINATION MADE BY VIRGINIA SAPCB (AGENCY)	JACK SCHUBERT (AGENCY CONTACT PERSON)	DATE OF PERMIT ISSUANCE-- 03/31/88 ESTIMATED DATE OF START-UP-- 1988 (804)-786-0172 (PHONE)

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PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF

INCINERATOR, PATHOLOGICAL WASTES	500.00 LB/H	PM	0.0800 GR/DSCF AT 12% CO2 AFTERBURNER CHAMBER/THROUGHPUT LIMIT OPERATING TEMPERATURE/GAS RESID. TIME	

NOTES -----

TO INSTALL AN INCINERATOR. ESTIMATED USAGE IS 4000 LB/D HOSPITAL-MEDICAL WASTE, 1000 LB/D HUMAN & ANIMAL REMAINS. PERMIT EXCLUDES INCINERATION OF PLASTICS CONTAINING HALOGENS OR POLYURATHANES. AUXILIARY FUEL IS NATURAL GAS. STACK TEST WILL BE FOR PM & HYDROGEN CHLORIDE. OPERATING TEMPERATURES ARE 1400 DEGREES F IN PRIMARY CHAMBER, 1800 DEGREES F IN SECONDARY CHAMBER.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 06/22/1988

APPENDIX -- DETAILED SOURCE LISTING

05/30/1990

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SOURCE TYPE/SIZE      OTHER SOLID WASTE DISPOSAL      15.00 MM
-----
COMPANY NAME/SITE LOCATION  NEA MESQUITE POWER      , CA      IMPERIAL COUNTY
-----
DETERMINATION IS B/L      DATE OF PERMIT ISSUANCE-- 07/01/85
PERMIT NO. 1732-1      ESTIMATED DATE OF START-UP-- 1988
DETERMINATION MADE BY IMPERIAL COUNTY APCD      HARRY DILLON      (619)-339-4650
(AGENCY)      (AGENCY CONTACT PERSON)      (PHONE)
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PROCESSES SUBJECT      THROUGHPUT      POLLUTANT      EMISSION LIMITS      ... & BASIS
TO THIS PERMIT      CAPACITY      EMITTED      CONTROL EQUIPMENT OR PROCESS MODIFICATION      ... PCT EFF
-----
COMBUSTOR, FLUID-BED      416.00 MMBTU/H
      PM      0.0240 LB/MMBTU      BAGHOUSE      LAER
      SOX      0.0070 LB/MMBTU      LIMESTONE INJ.      99.90
      NOX      0.0200 LB/MMBTU      FLUID BED/PYROLYSIS      LAER
      HCL      0.0010 LB/MMBTU      LIMESTONE INJ.      99.90
      NH4*      0.0005 LB/MMBTU      LIMESTONE      LAER
      CO      0.7000 LB/MMBTU      OPTIMUM COMBUSTION      99.90
      VOC      0.0400 LB/MMBTU      OPTIMUM COMBUSTION
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NOTES -----

30 T/H STEER MANURE INPUT INTO 2 MULTI-HEARTH FLUIDIZED BED COMBINATION COMBUSTORS.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 06/01/1989

APPENDIX -- DETAILED SOURCE LISTING

05/30/1990

SOURCE TYPE/SIZE

OTHER SOLID WASTE DISPOSAL

COMPANY NAME/SITE LOCATION P. H. GLATFELTER CO.
225 W. WISCONSIN AVE

NEENAH, WI

DETERMINATION IS BACT
PERMIT NO. 89-POY-042
DETERMINATION MADE BY WISCONSIN DNR
(AGENCY)

PAUL YEUNG
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 01/09/90
ESTIMATED DATE OF START-UP-- 1991
(608)-266-0672
(PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
INCINERATOR, PAPER SLUDGE	7.00 T/H DRY			
		NOX	285.0000 PPM AT 7% O2 50.0000 % REMOVAL SNCR	BACT 50.00
		HG	3200.0000 G/24H	NESH
		PM	3.4000 LB/H BAGHOUSE	NAAQ 99.00
		SO2	8.9000 LB/H	NAAQ
		VOC	8.9000 LB/H	NAAQ
		CO	50.0000 PPM AT 7% O2, 3H AVG	UNRG
		HCL	28.0000 LB/H	UNRG
		VE	20.0000 % OPACITY	
		CL2	45.0000 LB/H	
		PCB	1.1300 E-5 LB/H	
		AS	0.0027 LB/H	
		BA	0.0800 LB/H	
		CU	0.0080 LB/H	
		CHC*	0.0500 LB/H	
		TCDD	1.2600 E-8 LB/H	

NOTES -----

GOOD COMBUSTION REQUIREMENTS - 1800 F SECONDARY COMBUSTION FOR AT LEAST 2 SECONDS.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 05/18/1990

APPENDIX -- DETAILED SOURCE LISTING

05/30/1990

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SOURCE TYPE/SIZE	OTHER SOLID WASTE DISPOSAL	

COMPANY NAME/SITE LOCATION	THE ENSIGN-BICKFORD CO. 660 HOPMEADOW ST	SIMSBURY, CT

DETERMINATION IS BACT FOR A MODIFIED SOURCE.		DATE OF PERMIT ISSUANCE-- 04/12/89
PERMIT NO. 165-0004		ESTIMATED DATE OF START-UP-- 1988
DETERMINATION MADE BY CONNECTICUT DEP	MARK PEAK	(203)-566-8230
(AGENCY)	(AGENCY CONTACT PERSON)	(PHONE)

=====

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
INCINERATOR, SHOCK TUBE	200.00 LB/H			
		PM	0.0150 GR/DSCF AT 12% CO2 BAGHOUSE	99.00
		HCL	4.0000 LB/H LOW SULFUR FEED	

NOTES -----
 BURNERS FIRED WITH 24 GAL/H 0.5% SULFUR CONTENT #2 FUEL OIL.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 04/30/1990

APPENDIX -- DETAILED SOURCE LISTING

05/30/1990

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=====
SOURCE TYPE/SIZE      OTHER SOLID WASTE DISPOSAL      16629.00 LB/H
-----
COMPANY NAME/SITE LOCATION  THE LANE CO.                      , VA
-----
DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 30248
DETERMINATION MADE BY VIRGINIA SAPCB      KATHERINE MILLER
      (AGENCY)                (AGENCY CONTACT PERSON)
                                     DATE OF PERMIT ISSUANCE-- 07/23/87
                                     ESTIMATED DATE OF START-UP-- 1987
                                     (804)-786-1433
                                     (PHONE)
=====

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PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BOILER, ERIE CITY		VOC	2.8700 LB/H 1.3200 T/YR GOOD COMBUSTION OPERATIONS	99.00
BOILER, UNION IRON WORKS		VOC	0.8100 LB/H 0.3800 T/YR GOOD COMBUSTION OPERATIONS	99.00
BOILER, 2 COMBINED		CAR*	0.1800 LB/H 0.0100 T/YR GOOD COMBUSTION OPERATIONS	99.00
		ETH*	3.6800 LB/H 1.5900 T/YR GOOD COMBUSTION OPERATIONS	99.00

NOTES -----

PERMIT TO BURN WASTE SOLVENTS AS FUEL IN BOILERS #3 & 6. PM EMISSIONS FROM THE UNION IRON BOILER CONTROLLED BY SETTLING CHAMBER, PM EMISSIONS FROM THE ERIE CITY BOILER CONTROLLED BY MULTICYCLONE. THE APPROVED FUELS FOR THE BOILERS ARE WOOD, COAL, & WASTE FINISHING MATL. AVG SULFUR & ASH CONTENT OF THE COAL BURNED IS LIMITED TO 1% & 10% BY WT. STACK TEST WILL BE REQUIRED BY SAPCB IF THE DIV. OF WASTE MANAGEMENT DOES NOT REQUIRE A TEST BURN.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 11/02/1987

APPENDIX -- DETAILED SOURCE LISTING

05/30/1990

```

=====
SOURCE TYPE/SIZE      OTHER SOLID WASTE DISPOSAL
-----
COMPANY NAME/SITE LOCATION  TOLEDO CREMATION SERVICES      TOLEDO, OH 43607      LUCAS COUNTY
                           1021 WARMICK
-----
DETERMINATION IS BACT      DATE OF PERMIT ISSUANCE--
PERMIT NO. 04-601          ESTIMATED DATE OF START-UP-- 1990
DETERMINATION MADE BY TOLEDO ESD      JEFFREY TWADDLE      (419)-693-0350
                           (AGENCY)      (AGENCY CONTACT PERSON)      (PHONE)
=====
  
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=====
PROCESSES SUBJECT      THROUGHPUT      POLLUTANT      EMISSION LIMITS      ... & BASIS
TO THIS PERMIT      CAPACITY      EMITTED      CONTROL EQUIPMENT OR PROCESS MODIFICATION      ... PCT EFF
-----
CREMATORY      150.00 LB/H
                           PM      0.1000 LB/100 LB CHARGE      BACT
                           VE      1800 DEG F IN SEC, CHAMBER, SEE NOTE
                           VE      0.0000 % OPACITY      BACT
  
```

NOTES -----
CONTINUOUS TEMPERATURE RECORDER ON SECONDARY CHAMBER.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 03/31/1990

APPENDIX -- DETAILED SOURCE LISTING

05/30/1990

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=====
SOURCE TYPE/SIZE      OTHER SOLID WASTE DISPOSAL      960.00 T/D
-----
COMPANY NAME/SITE LOCATION  WESTERN POWER GROUP      BRAWLEY, CA
-----
DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. SE 85-05
DETERMINATION MADE BY EPA REGION IX
(AGENCY)                JIM HANSON
                        (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 11/21/85
ESTIMATED DATE OF START-UP-- 1988
                        (415)-974-8218
                        (PHONE)
=====

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=====
PROCESSES SUBJECT      THROUGHPUT      POLLUTANT      EMISSION LIMITS      ... & BASIS
TO THIS PERMIT          CAPACITY        EMITTED        CONTROL EQUIPMENT OR PROCESS MODIFICATION ... PCT EFF
-----
COMBUSTOR, MULT. HEARTH/FLUIDIZ*  40.00 T/H MANURE
                                SO2      195.0000 LB/H
                                                LIMESTONE INJ./FLUIDIZED BED      80.00
                                NOX      135.0000 LB/H
                                                MULT. HEARTH FURNACE W/RECIR. FLUID BED
                                PH      122.0000 LB/H
                                                BAGHOUSE      99.90
=====

```

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 02/28/1986

APPENDIX -- DETAILED SOURCE LISTING

05/30/1990

SOURCE TYPE/SIZE NATURAL GAS TURBINES

COMPANY NAME/SITE LOCATION ADA COGENERATION

ADA, MI

DETERMINATION IS BACT FOR A NEW SOURCE.

PERMIT NO. 943-87

DETERMINATION MADE BY MICHIGAN DNR, AQD
(AGENCY)DHRUMAN SHAH
(AGENCY CONTACT PERSON)DATE OF PERMIT ISSUANCE-- 06/21/88
ESTIMATED DATE OF START-UP-- 1990
(517)-373-7023
(PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
TURBINE	245.00 MMBTU/H	NOX	42.0000 PPMDV AT 15% O2, 1H AVG H2O INJECTION	BACT 59.00
		CO	0.1000 LB/MMBTU NAT GAS 0.3500 LB/MMBTU #2 OIL H2O INJECTION	BACT
		SO2	0.2500 LB/MMBTU LOW S OIL, <=0.25%	BACT
BURNER, DUCT	75.00 MMBTU/H	NOX	0.1000 LB/MMBTU	BACT
		CO	0.1000 LB/MMBTU	BACT

NOTES -----

OIL FIRING IN TURBINE IS NOT TO EXCEED 120 DAYS PER YEAR. HIGH HEAT VALUE, HHV, OF 19350 BTU/LB OF OIL.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 05/01/1990

APPENDIX -- DETAILED SOURCE LISTING

05/30/1990

SOURCE TYPE/SIZE NATURAL GAS TURBINES

COMPANY NAME/SITE LOCATION AES PLACERITA, INC. , CA

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. SEE NOTES
DETERMINATION MADE BY SOUTH COAST AQMD
(AGENCY)

ROBERT PEASE
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 03/10/86
ESTIMATED DATE OF START-UP--
(818)-572-6174
(PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
TURBINE & RECOVERY BOILER	519.00 MMBTU/H	NOX	629.0000 LB/D 7.0000 PPMVD AT 15% SELECTIVE CATALYTIC REDUCTION H2O INJECTION	BACT
		CO	103.0000 LB/D 2.0000 PPMVD AT 15% OXIDATION CATALYST	BACT 80.00

NOTES -----

PERMIT NUMBERS 125116, 125117, 128014, 130270.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 06/02/1988

05/30/1990

NATURAL GAS TURBINES

**AES PLACERITA, INC.
COGENERATION PROJECT**

, CA

DATE OF PERMIT ISSUANCE-- 07/02/87

ESTIMATED DATE OF START-UP-- 1988

ROBERT PEASE
(AGENCY CONTACT PERSON)

(818)-572-6174
(PHONE)

THROUGHPUT CAPACITY

**POLLUTANT
EMITTED**

EMISSION LIMITS

... & BASIS

CONTROL EQUIPMENT OR PROCESS MODIFICATION	... PCT EFF

530.00 MMBTU/H

NOX

340.0000 LB/D

BACT

9.0000 PPMVD AT 15% O2

SELECTIVE CATALYTIC REDUCTION STEAM INJECTION

STEAM-TO-FUEL MASS INJECTION RATIO IS 2.2 TO 1. BEFORE CONTROL EMISSION RATE, 1744 LB/D, IS WITH STEAM INJECTION.

DATE ENTERED/UPDATED: 06/02/1988

APPENDIX -- DETAILED SOURCE LISTING

05/30/1990

=====

SOURCE TYPE/SIZE

NATURAL GAS TURBINES

COMPANY NAME/SITE LOCATION

AES PLACERITA, INC.
COGENERATION PROJECT

, CA

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 153052
DETERMINATION MADE BY SOUTH COAST AQMD
(AGENCY)ROBERT PEASE
(AGENCY CONTACT PERSON)DATE OF PERMIT ISSUANCE-- 07/02/87
ESTIMATED DATE OF START-UP-- 1988
(818)-572-6174
(PHONE)

=====

PROCESSES SUBJECT
TO THIS PERMITTHROUGHPUT
CAPACITYPOLLUTANT
EMITTEDEMISSION LIMITS
CONTROL EQUIPMENT OR PROCESS MODIFICATION... & BASIS
... PCT EFF

TURBINE, GAS

530.00 MMBTU/H

NOX

289.0000 LB/D
9.0000 PPMVD AT 15% O2
SELECTIVE CATALYTIC REDUCTION
STEAM INJECTION

BACT

NOTES -----

STEAM-TO-FUEL MASS INJECTION RATIO IS 2.2 TO 1. BEFORE CONTROL EMISSION RATE, 1479 LB/D, IS WITH STEAM INJECTION.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 06/02/1988

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ID NUMBER CA-0221B

SOURCE TYPE CODE 3.1

APPENDIX -- DETAILED SOURCE LISTING

05/30/1990

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=====
SOURCE TYPE/SIZE      NATURAL GAS TURBINES      80.00 MW
-----
COMPANY NAME/SITE LOCATION  ALASKA ELECTRICAL GENERATION & TRANSMIS*      BIG LAKE, AK
-----
DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 8622-AA002
DETERMINATION MADE BY ALASKA DEC      JON SANDSTEDT      DATE OF PERMIT ISSUANCE-- 03/18/87
                                     (AGENCY)            (AGENCY CONTACT PERSON)  ESTIMATED DATE OF START-UP-- 1988
                                     (PHONE)
=====
  
```

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
TURBINE, NAT GAS FIRED	80.00 MW	NOX	75.0000 PPMVD AT 15% O2 H2O INJECTION	B/N
		SO2	0.0600 % S CONTENT FUEL,MAX	BACT
		PM	10.0000 % OPACITY, 3 MIN/H	BACT
		CO	109.0000 LB/SCF FUEL	BACT

NOTES -----
 NOX EMISSION LIMIT IS MODIFIED BY TURB. EFFICIENCY FACTOR, 14.4/X, WHERE X=HEAT RATE IN KJ/M-H. FUEL S CONTENT LIMIT APPLIES T
 O FIRING DISTALLATE OIL AS BACKUP FUEL.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 08/10/1987

APPENDIX -- DETAILED SOURCE LISTING

05/30/1990

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SOURCE TYPE/SIZE	NATURAL GAS TURBINES	38.00 MM

COMPANY NAME/SITE LOCATION	ALASKA ELECTRICAL GENERATION & TRANSMIS*	SOLDOTNA, AK

DETERMINATION IS BACT FOR A NEW SOURCE.		DATE OF PERMIT ISSUANCE-- 03/29/85
PERMIT NO. 8423-AA004		ESTIMATED DATE OF START-UP-- 1985
DETERMINATION MADE BY ALASKA DEC	JON SANDSTEDT	(907)-465-2666
(AGENCY)	(AGENCY CONTACT PERSON)	(PHONE)

=====

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF

TURBINE, GAS FIRED, PMR GEN	38.00 MM			
		NOX	75.0000 PPM AT 15% O2	B/N
			H2O INJECTION	
		SO2	0.1500 % S CONTENT FUEL	

NOTES -----

NOX EMISSION LIMIT IS MODIFIED BY TURBINE EFFICIENCY FACTOR, 14.4/X, WHERE X=HEAT RATE IN KJ/M-H. FUEL SULFUR CONTENT LIMIT APPLIES TO FIRING DISTILLATE OIL AS BACKUP FUEL.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 08/10/1987

05/30/1990

05/30/1990

NATURAL GAS TURBINES

, VT

(802) - 244 - 8731
(PHONE)

SOURCE TYPE CODE 3.1

APPENDIX -- DETAILED SOURCE LISTING

05/30/1990

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=====
SOURCE TYPE/SIZE      NATURAL GAS TURBINES
-----
COMPANY NAME/SITE LOCATION  BADGER CREEK LIMITED                      , CA
-----
DETERMINATION IS      FOR A NEW SOURCE.
PERMIT NO. 4192001A
DETERMINATION MADE BY KERN COUNTY APCD
                      (AGENCY)
                      TOM PAXSON
                      (AGENCY CONTACT PERSON)
                      DATE OF PERMIT ISSUANCE-- 10/30/89
                      ESTIMATED DATE OF START-UP--
                      (805)-861-3682
                      (PHONE)
=====
  
```

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
TURBINE, GAS COGENERATION	457.80 MMBTU/H	NOX	0.0135 LB/MMBTU SCR STEAM INJECTION	BACT

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 05/18/1990

APPENDIX -- DETAILED SOURCE LISTING

05/30/1990

SOURCE TYPE/SIZE NATURAL GAS TURBINES

COMPANY NAME/SITE LOCATION BAF ENERGY
AMERICAN I COGENERATION PROJECT

, CA

DETERMINATION IS BACT FOR A NEW SOURCE.

PERMIT NO. 85-APC-5

DETERMINATION MADE BY MONTEREY BAY UNIFIED APCD
(AGENCY)FRED THOITS
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 07/08/87

ESTIMATED DATE OF START-UP-- 1989

(408)-443-1135

(PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
TURBINE, GENERATOR	887.20 MMBTU/H	NOX	9.0000 PPM AT 15% O2 30.1000 LB/H SCR	BACT 80.00
		SO2	1160.0000 LB/D 0.0500 % S FUEL TYPE OF STANDBY FUEL ALLOWED, #2 OIL	BACT

NOTES -----

ORIGINAL DETERMINATION AT 15 PPMVD AT 15% O2. CAN BE FIRED ON OIL DURING NATURAL GAS CURTAILMENT.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 06/02/1988

05/30/1990

DATE OF PERMIT ISSUANCE-- 10/26/87
ESTIMATED DATE OF START-UP-- 1989
(408)-443-1135
(PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BOILER, AUXILIARY, 2	150.00 MMBTU/H			
		NOX	17.4000 LB/D EA 40.0000 PPMVD AT 3% O2 EA FLUE GAS RECIRCULATION LOW NOX BURNERS	BACT
		CO	63.6000 LB/D 0.0180 LB/MMBTU OXIDATION CATALYST	BACT
		SO2	181.0000 LB/D 0.05% S #2 OIL STANDBY FUEL	BACT

DATE ENTERED/UPDATED: 06/02/1988

APPENDIX -- DETAILED SOURCE LISTING

05/30/1990

=====

SOURCE TYPE/SIZE	NATURAL GAS TURBINES	

COMPANY NAME/SITE LOCATION	CAPITOL DISTRICT ENERGY CENTER 490 CAPITOL AVE.	HARTFORD, CT

DETERMINATION IS BACT FOR A NEW SOURCE. PERMIT NO. 075-0064 DETERMINATION MADE BY CONNECTICUT DEP (AGENCY)	MARK HULTMAN (AGENCY CONTACT PERSON)	DATE OF PERMIT ISSUANCE-- 10/23/89 ESTIMATED DATE OF START-UP-- 1988 (203)-566-8230 (PHONE)

=====

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF

ENGINE, GAS TURBINE	738.80 MMBTU/H			
		PM	0.0350 LB/MMBTU OIL FIRING 0.0136 LB/MMBTU GAS FIRING GOOD COMBUSTION TECHNIQUES	
		SOX	0.3060 LB/MMBTU 60.0000 PPMVD AT 15% O2 LOW S OIL	
		NOX	42.0000 PPMVD AT 15% O2, GAS FIRING 62.0000 PPMVD AT 15% O2, OIL FIRING STEAM INJECTION	
		CO	0.1120 LB/MMBTU GAS FIRING 0.1090 LB/MMBTU OIL FIRING	

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 04/30/1990

APPENDIX -- DETAILED SOURCE LISTING

05/30/1990

=====

SOURCE TYPE/SIZE

NATURAL GAS TURBINES

COMPANY NAME/SITE LOCATION

CAPITOL DISTRICT ENERGY CENTER
390 CAPITOL AVE.

HARTFORD, CT

DETERMINATION IS BACT FOR A NEW SOURCE.

PERMIT NO. 075-0065

DETERMINATION MADE BY CONNECTICUT DEP
(AGENCY)MARK HULTMAN
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 10/28/88

ESTIMATED DATE OF START-UP-- 1988

(203)-566-8230
(PHONE)

=====

PROCESSES SUBJECT
TO THIS PERMITTHROUGHPUT
CAPACITYPOLLUTANT
EMITTEDEMISSION LIMITS
CONTROL EQUIPMENT OR PROCESS MODIFICATION... & BASIS
... PCT EFF

BOILER, ZURN 194.80 MMBTU/H GAS*

NOX

37.0000 PPMVD AT 15% O2
LOW NOX BURNERS

NOTES -----

THIS SOURCE PROVIDES BACKUP STEAM SUPPLY TO STEAM CUSTOMERS IF GAS TURBINE AT THIS SOURCE IS SHUTDOWN, BUT DOES NOT OPERATE SIMULTANEOUSLY.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 04/30/1990

APPENDIX -- DETAILED SOURCE LISTING

05/30/1990

SOURCE TYPE/SIZE

NATURAL GAS TURBINES

COMPANY NAME/SITE LOCATION

CCF-1
JEFFERSON ST.

HARTFORD, CT

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 075-0061 & 62
DETERMINATION MADE BY CONNECTICUT DEP
(AGENCY)MARK HULTMAN
(AGENCY CONTACT PERSON)DATE OF PERMIT ISSUANCE-- 05/18/88
ESTIMATED DATE OF START-UP-- 1988
(203)-566-8230
(PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
TURBINE, ALLISON, 2 EA	110.00 MMBTU/H GAS*	PM	0.0350 LB/MMBTU GAS FIRING 0.0120 LB/MMBTU OIL FIRING GOOD COMBUSTION TECHNIQUES	
		SOX	0.3060 LB/MMBTU 55.0000 PPMVD AT 15% O2 LOW S OIL, FUEL OIL LIMIT	
		NOX	36.0000 PPMVD AT 15% O2 GAS FIRING 63.0000 PPMVD AT 15% O2 OIL FIRING WATER INJECTION	
		CO	0.6050 LB/MMBTU GAS FIRING 1.8830 LB/MMBTU OIL FIRING	

NOTES -----

THERE ARE TWO IDENTICAL UNITS AT THIS SOURCE.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 04/30/1990

APPENDIX -- DETAILED SOURCE LISTING

05/30/1990

=====

SOURCE TYPE/SIZE	NATURAL GAS TURBINES	35.00 MW

COMPANY NAME/SITE LOCATION	CHAMPION INTERNATIONAL	COURTLAND, AL 35618
		LAWRENCE COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.		DATE OF PERMIT ISSUANCE-- 11/30/88
PERMIT NO. 707-0001-X017		ESTIMATED DATE OF START-UP-- 1989
DETERMINATION MADE BY ALABAMA DEM	KEN BARRETT	(205)-271-7861
(AGENCY)	(AGENCY CONTACT PERSON)	(PHONE)

=====

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF

TURBINE, GAS, STATIONARY	35.00 MW	NOX	42.0000 PPM AT 15% O2 67.0000 LB/H STEAM INJECTION	BACT 70.00
		CO	9.0000 LB/H	
		PM	2.5000 LB/H	
		VOC	4.0000 LB/H	
BURNER, DUCT, HEAT RECOVERY	128.00 MMBTU/H	NOX	0.1000 LB/MMBTU 12.8000 LB/H	BACT
		CO	10.2000 LB/H	
		PM	0.3000 LB/H	
		VOC	5.1000 LB/H	

NOTES -----
LIMITED TO FIRING ONLY NATURAL GAS

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 06/01/1989

APPENDIX -- DETAILED SOURCE LISTING

05/30/1990

=====

SOURCE TYPE/SIZE	NATURAL GAS TURBINES	30.60 MM

COMPANY NAME/SITE LOCATION	CHAMPION INTERNATIONAL CORP. 5TH STREET	SHELDON, TX HARRIS COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE. PERMIT NO. 9506 DETERMINATION MADE BY TEXAS ACB (AGENCY)	J. CUNNINGHAM (AGENCY CONTACT PERSON)	DATE OF PERMIT ISSUANCE-- 03/05/85 ESTIMATED DATE OF START-UP-- 1986 (512)-451-5711 (PHONE)

=====

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF

TURBINE, GAS, 2	1342.00 MMBTU/H	PM	17.5200 T/YR LOW NOX BURNERS	BACT
		NOX	720.3400 T/YR	
		SO2	5.0200 T/YR	
		CO	70.0800 T/YR	
		VOC	2.6800 T/YR, SEE NOTE	

NOTES -----

VOC EMISSIONS ARE FOR NON-METHANE VOC.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 06/30/1987

APPENDIX -- DETAILED SOURCE LISTING

05/30/1990

```

=====
SOURCE TYPE/SIZE      NATURAL GAS TURBINES      18.90 MW
-----
COMPANY NAME/SITE LOCATION  CHEVRON, U.S.A.      , CA      KERN COUNTY
-----

DETERMINATION IS BACT
PERMIT NO. 4008823-829
DETERMINATION MADE BY KERN COUNTY APCD      TOM PAXSON
(AGENCY)      (AGENCY CONTACT PERSON)      DATE OF PERMIT ISSUANCE-- 07/22/85
ESTIMATED DATE OF START-UP--
(805)-861-3682
(PHONE)
=====
  
```

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
ENGINE, TURBINE W/GENERATOR, GA*	2.70 MW	PM	0.0106 LB/MMBTU WATER INJECTION	BACT

NOTES -----
OPERATES 24 H/D, 7 D/WK, 52 WK/YR.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 11/25/1985

APPENDIX -- DETAILED SOURCE LISTING

05/30/1990

=====

SOURCE TYPE/SIZE	NATURAL GAS TURBINES	3.00 MM

COMPANY NAME/SITE LOCATION	CIBA-GEIGY CORP.	SUMMIT, NJ

DETERMINATION IS	FOR A NEW SOURCE.	DATE OF PERMIT ISSUANCE-- 01/03/85
PERMIT NO. 84-1522, SEE NOTE		ESTIMATED DATE OF START-UP-- 1985
DETERMINATION MADE BY NEW JERSEY DEP	THOMAS MICAII	(609)-984-3033
(AGENCY)	(AGENCY CONTACT PERSON)	(PHONE)

=====

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF

TURBINE, GAS W/#2 OIL BACKUP	4000.00 HP	NOX	11.0600 LB/H	SIP
			H2O INJECTION	55.00
		CO	9.4000 LB/H	
		VOC	0.7600 LB/H	
		SO2	12.4800 LB/H	
		PM	1.8500 LB/H	

NOTES -----

THIS IS A COGENERATION SYSTEM WITH A NON-FIRED WASTE HEAT BOILER. PERMIT REQUIRES 0.5 WATER/FUEL RATIO. SO2 ALLOWABLE IS BASED ON OIL FIRING. PSD IS NOT APPLICABLE.
NOTE - PERMIT NUMBER IS A TRACKING #.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 02/28/1986

APPENDIX -- DETAILED SOURCE LISTING

05/30/1990

SOURCE TYPE/SIZE NATURAL GAS TURBINES

COMPANY NAME/SITE LOCATION CIMARRON CHEMICAL INC.

VILAS, CO

DETERMINATION IS BACT FOR A NEW SOURCE.

PERMIT NO. 89BA060-1

DETERMINATION MADE BY COLORADO APC
(AGENCY)CATHY RHODES
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 08/01/89

ESTIMATED DATE OF START-UP--

(303)-331-8593
(PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
TURBINE, 2 EA	271.00 MMBTU/H	NOX	65.0000 PPMV AT 15% O2 STEAM	BACT

NOTES -----

WATER AVAILABILITY IN AREA IS LIMITED.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 09/29/1989

APPENDIX -- DETAILED SOURCE LISTING

05/30/1990

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=====
SOURCE TYPE/SIZE      NATURAL GAS TURBINES
-----
COMPANY NAME/SITE LOCATION  CITY OF ANAHEIM GAS TURBINE PROJECT          , CA
-----
DETERMINATION IS      FOR A NEW SOURCE.
PERMIT NO. 188875
DETERMINATION MADE BY SOUTH COAST AQMD          FRED DEL ROSARIO
(AGENCY)          (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 09/15/89
ESTIMATED DATE OF START-UP-- 1990
(818)-572-6439
(PHONE)
=====
  
```

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
TURBINE, GAS, GE PGLM 5000	442.00 MMBTU/H	NOX	90.0000 LB/D SCR STEAM INJECTION, CO REACTOR	BACT 69.60

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 05/18/1990

APPENDIX -- DETAILED SOURCE LISTING

05/30/1990

SOURCE TYPE/SIZE NATURAL GAS TURBINES

COMPANY NAME/SITE LOCATION CITY OF SANTA CLARA SANTA CLARA, CA

DETERMINATION IS BACT FOR A NEW SOURCE.

PERMIT NO. 31527

DETERMINATION MADE BY BAY AREA AQMD
(AGENCY)

ELLEN LINDER
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 01/05/87
ESTIMATED DATE OF START-UP-- 1987
(415)-771-6000
(PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
TURBINE, GAS		NOX	42.0000 PPMVD AT 15% O2 WATER INJECTION	

NOTES -----

USED FOR PEAK POWER DEMANDS, LIMITED TO 1000 H/YR OF OPERATION. DISTRICT - DEFINED BACT

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 05/05/1987

APPENDIX -- DETAILED SOURCE LISTING

05/30/1990

SOURCE TYPE/SIZE NATURAL GAS TURBINES 165.00 MW

COMPANY NAME/SITE LOCATION COGEN TECHNOLOGIES BAYONNE, NJ
NEW JERSEY JOINT VENTURE

DETERMINATION IS BACT FOR A NEW SOURCE.

PERMIT NO. 86-2720/23

DETERMINATION MADE BY NEW JERSEY DEP
(AGENCY)WILLIAM KUEHNE
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 06/03/87

ESTIMATED DATE OF START-UP-- 1988

(609)-292-6716
(PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
TURBINE, GAS, GE FRAME 6, 3 EA	40.00 MW	NOX	9.6000 PPMVD AT 15% O2 SCR	SIP 95.00
		CO	50.0000 PPMVD AT 15% O2 H2O INJECTION	SIP
		SO2	0.1500 % S OIL FUEL ANALYSIS	SIP
		NH3	20.0000 PPMVD AT 15% O2	SIP

NOTES -----

SCR CATALYST 80% EFF.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 01/29/1988

APPENDIX -- DETAILED SOURCE LISTING

05/30/1990

SOURCE TYPE/SIZE NATURAL GAS TURBINES

COMPANY NAME/SITE LOCATION COMBINED ENERGY RESOURCES , CA

DETERMINATION IS
PERMIT NO. 4167001 & A
DETERMINATION MADE BY KERN COUNTY APCD
(AGENCY)

TOM PAXSON
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 02/26/88
ESTIMATED DATE OF START-UP--
(805)-861-3682
(PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
COGENERATION FACILITY, SEE NOTE	25.94 MW	NOX	199.0000 LB/D SCR UNIT, DUCT BURNER H2O INJ, LOW NOX DESIGN	BACT 81.00
		VOC	7.9500 LB/H CATALYTIC UNIT, ACCUMULATOR, DUCT BURNER 90% CNTRL OF LUBE OIL COOLER	44.00

NOTES -----

OTHER RELEVANT PERMIT LIMITS - 24 H, 365 D. FUEL USE LIMIT 268.5 MMBTU/H. FACILITY INCLUDES GAS TURBINE ENGINE, DUCT BURNER, SCR, & CATALYTIC OXIDATION UNIT.
REVISED 2/13/89. BACT NO LONGER TRIGGERED FOR VOC BUT OXIDATION CATALYST WILL BE INSTALLED. CO EMISSION LIMIT = 144 LB/H.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 03/01/1989

APPENDIX -- DETAILED SOURCE LISTING

05/30/1990

=====

SOURCE TYPE/SIZE	NATURAL GAS TURBINES	26.00 MW

COMPANY NAME/SITE LOCATION	COMBINED ENERGY RESOURCES	, CA

DETERMINATION IS		DATE OF PERMIT ISSUANCE-- 02/26/88
PERMIT NO. 4167001A		ESTIMATED DATE OF START-UP--
DETERMINATION MADE BY KERN COUNTY APCD	TOM PAXSON	(805)-861-3682
(AGENCY)	(AGENCY CONTACT PERSON)	(PHONE)

=====

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF

ENGINE, GAS TURBINE	2.00 KM	NOX	199.0000 LB/H SCR UNIT WATER INJECTION	81.00

NOTES -----

OTHER LIMITS - 24 H/D, 365 D/YR. FUEL LIMIT - 268.5 MMBTU/H.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 03/31/1988

APPENDIX -- DETAILED SOURCE LISTING

05/30/1990

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=====
SOURCE TYPE/SIZE      NATURAL GAS TURBINES      200.00 MM
-----
COMPANY NAME/SITE LOCATION  DELMARVA POWER      WILMINGTON, DE
                        800 KING ST.
-----

DETERMINATION IS      DATE OF PERMIT ISSUANCE-- 08/23/88
PERMIT NO. 88/127,128  ESTIMATED DATE OF START-UP-- 1989
DETERMINATION MADE BY DELAWARE DNR, DAM      (302)-736-4791
                        (AGENCY)      J. CUGNINI      (PHONE)
                        (AGENCY CONTACT PERSON)
=====
  
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=====
PROCESSES SUBJECT      THROUGHPUT      POLLUTANT      EMISSION LIMITS      ... & BASIS
TO THIS PERMIT          CAPACITY        EMITTED        CONTROL EQUIPMENT OR PROCESS MODIFICATION ... PCT EFF
-----
TURBINE, COMBUSTION, 2 EA      100.00 MM
                                NOX      42.0000 PPM      LOW NOX BURNER/H2O INJ.      BACT
                                CO      15.0000 PPM      GOOD COMBUSTION      BACT
                                SO2      0.3000 % S FUEL      LOW S FUEL      B/S
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(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 03/17/1989

APPENDIX -- DETAILED SOURCE LISTING

05/30/1990

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SOURCE TYPE/SIZE

NATURAL GAS TURBINES

COMPANY NAME/SITE LOCATION

DOUBLE 'C' LIMITED

, CA

KERN COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.

PERMIT NO. 4165001,002

DETERMINATION MADE BY KERN COUNTY APCD

(AGENCY)

TOM PAXSON
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 11/04/86

ESTIMATED DATE OF START-UP--

(805)-861-3682

(PHONE)

=====

PROCESSES SUBJECT
TO THIS PERMITTHROUGHPUT
CAPACITYPOLLUTANT
EMITTEDEMISSION LIMITS
CONTROL EQUIPMENT OR PROCESS MODIFICATION... & BASIS
... PCT EFF

TURBINE, GAS, 2 EA

25.00 MM

NOX

193.9800 LB/D, TOTAL

H2O INJ. & SELECTED CATALYTIC REDUCTION

95.80

NOTES -----

DEGREE OF CONTROL EXCEEDS BACT REQUIREMENTS

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 02/19/1987

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ID NUMBER CA-0163

SOURCE TYPE CODE 3.1

APPENDIX -- DETAILED SOURCE LISTING

05/30/1990

SOURCE TYPE/SIZE NATURAL GAS TURBINES

COMPANY NAME/SITE LOCATION DOWNTOWN COGENERATION ASSOC.
960 MAIN ST.

HARTFORD, CT

DETERMINATION IS BACT FOR A NEW SOURCE.

PERMIT NO. 075-0069

DETERMINATION MADE BY CONNECTICUT DEP
(AGENCY)MARK HULTMAN
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 08/19/87

ESTIMATED DATE OF START-UP-- 1989

(203)-566-8230

(PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
TURBINE, GAS W/DUCT BURNER	71.90 MMBTU/H	PM	0.0360 LB/MMBTU OIL FIRING 0.0140 LB/MMBTU GAS FIRING GOOD COMBUSTION TECHNIQUES	
		SOX	0.3410 LB/MMBTU 63.0000 PPMVD AT 15% O2	
		NOX	LOW S OIL, FUEL USE LIMITS 42.0000 PPMVD AT 15% O2 GAS FIRING 62.0000 PPMVD AT 15% O2 OIL FIRING WATER INJECTION	
		CO	0.2900 LB/MMBTU OIL FIRING 0.0480 LB/MMBTU GAS FIRING	

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 04/30/1990

APPENDIX -- DETAILED SOURCE LISTING

05/30/1990

SOURCE TYPE/SIZE NATURAL GAS TURBINES

COMPANY NAME/SITE LOCATION EMPIRE ENERGY - NIAGARA COGENERATION CO. LOCKPORT, NY

DETERMINATION IS BACT FOR A NEW SOURCE.
 PERMIT NO. 9-2926-00016/00001-0
 DETERMINATION MADE BY NEW YORK STATE DEC
 (AGENCY)

JAMES HARRINGTON
 (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 05/02/89
 ESTIMATED DATE OF START-UP--
 (518)-457-2044
 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
TURBINE, GR FRAME 6, 3 EA	416.00 MMBTU/H	NOX	42.0000 PPM GAS FIRING 65.0000 PPM OIL FIRING STEAM INJECTION	BACT
DUCT BURNER, 3 EA	94.00 MMBTU/H	NOX	0.2000 LB/MMBTU COMBUSTION CONTROL	BACT
TURBINE, GR FRAME 6, 3 EA	416.00 MMBTU/H	VOC	0.0120 LB/MMBTU COMBUSTION CONTROL	BACT
		SO2	0.2500 % SULFUR OIL LOW S FUEL	BACT
		PM/*	0.0060 LB/MMBTU GAS FIRING 0.0240 LB/MMBTU OIL FIRING COMBUSTION CONTROL	BACT
		CO	0.0240 LB/MMBTU COMBUSTION CONTROL	BACT
DUCT BURNER, 3 EA	94.00 MMBTU/H	CO	0.1000 LB/MMBTU COMBUSTION CONTROL	BACT
		PM/*	0.0060 LB/MMBTU GAS FIRING COMBUSTION CONTROL	BACT
		VOC	0.1000 LB/MMBTU COMBUSTION CONTROL	BACT
BOILER, AUX STEAM	210.00 MMBTU/H			

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 05/18/1990

(CONTINUED) EMPIRE ENERGY - NIAGARA COGENERATION CO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
SAME PROCESS (CONTINUED)				
		NOX	0.2000 LB/MMBTU COMBUSTION CONTROL	BACT
		CO	0.1300 LB/MMBTU COMBUSTION CONTROL	BACT
		PM/*	0.0010 LB/MMBTU GAS FIRING 0.0340 LB/MMBTU OIL FIRING COMBUSTION CONTROL	BACT
		SO2	0.2500 % SULFUR OIL LOW S FUEL	BACT

NOTES -----

FUEL OIL USE IN EACH GAS TURBINE IS LIMITED TO 25% ANNUALLY. DUCT BURNERS FIRE NATURAL GAS ONLY. AUX STEAM BOILER FUEL OIL USE LIMITED TO 25% ANNUALLY.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 05/18/1990

APPENDIX -- DETAILED SOURCE LISTING

05/30/1990

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SOURCE TYPE/SIZE	NATURAL GAS TURBINES	322.50 MMBTU/H

COMPANY NAME/SITE LOCATION	ENERGY RESERVE, INC.	, CA
		KERN COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.		DATE OF PERMIT ISSUANCE-- 10/04/85
PERMIT NO. 4121002		ESTIMATED DATE OF START-UP--
DETERMINATION MADE BY KERN COUNTY APCD	TOM PAXSON	(805)-861-3682
(AGENCY)	(AGENCY CONTACT PERSON)	(PHONE)

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PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF

TURBINE, GAS FIRED	322.50 MMBTU/H	NOX	185.4000 LB/D WATER INJECTION & SELECTIVE CATALYTIC REDUCTION	BACT 92.50

NOTES -----
OPERATES 24 H/D, 365 D/YR

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 11/25/1985

05/30/1990

SOURCE TYPE/SIZE	NATURAL GAS TURBINES
100-150 MW	1
150-200 MW	1
200-250 MW	1
250-300 MW	1
300-350 MW	1
350-400 MW	1
400-450 MW	1
450-500 MW	1
500-550 MW	1
550-600 MW	1
600-650 MW	1
650-700 MW	1
700-750 MW	1
750-800 MW	1
800-850 MW	1
850-900 MW	1
900-950 MW	1
950-1000 MW	1
TOTAL	15

COMPANY NAME/SITE LOCATION FARMLAND INDUSTRIES, INC.

MERTZON, TX

IRION COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.

PERMIT NO. 9869

DETERMINATION MADE BY TEXAS ACB

(AGENCY)

RANDY HAMILTON

(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 02/05/86

ESTIMATED DATE OF START-UP-- 1986

(512)-451-5711

(PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
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ENGINE, I.C., GAS, 2 EA

1150.00 HP

VOC

34.0000 T/YR

CLEAN BURN ENGINE

NAAQ**NOX**

112.0000 T/YR

CATERPILLAR-3516

CO

44.0000 T/YR

NOTES _____

PSD PERMIT - PSD-TX-673. BACT IS 5.9 G/HP-H FOR NOX.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 01/29/1988

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ID NUMBER TX-0183

SOURCE TYPE CODE 3.1

05/30/1990

NATURAL GAS TURBINES

POINT COMFORT, TX

CALHOUN COUNTY

DATE OF PERMIT ISSUANCE-- 05/29/86

ESTIMATED DATE OF START-UP-- 1987

RANDY HAMILTON
(AGENCY CONTACT PERSON)

(512)-451-5711
(PHONE)

EMISSION LIMITS	... & BASIS
CONTROL EQUIPMENT OR PROCESS MODIFICATION	... PCT EFF

38.40 MW

NOX

640.0000 T/YR
STEAM INJECTION

B/NA

PM

28.6000 T/YR

SO2

11.0000 T/YR

CO

32.4000 T/YR

VOC

1.9000 T/YR

PSD PERMIT PSD-TX-699

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 01/29/1988

PAGE H- 268

ID NUMBER TX-0048A

SOURCE TYPE CODE 3.1

APPENDIX -- DETAILED SOURCE LISTING

05/30/1990

SOURCE TYPE/SIZE NATURAL GAS TURBINES

COMPANY NAME/SITE LOCATION FULTON COGENERATION ASSOCIATES

FULTON, NY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 7-7-3504-00023/00001-0
DETERMINATION MADE BY NEW YORK STATE DEC
(AGENCY)

JAMES HARRINGTON
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 01/29/90
ESTIMATED DATE OF START-UP--
(518)-457-2044
(PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
TURBINE, GE LM5000, GAS FIRED	500.00 MMBTU/H	NOX	36.0000 PPM GAS FIRING 65.0000 PPM OIL FIRING H2O INJECTION	BACT
		CO	0.0200 LB/MMBTU, SEE NOTE COMBUSTION CONTROL	BACT
		PM/*	0.0240 LB/MMBTU GAS FIRING 0.0630 LB/MMBTU OIL FIRING	BACT
		VOC	5.0000 LB/H COMBUSTION CONTROL	BACT
		SO2	0.3000 % SULFUR OIL LOW S FUEL	BACT
DUCT BURNER	140.00 MMBTU/H	NOX	0.1000 LB/MMBTU GAS FIRING COMBUSTION CONTROL	BACT
		CO	0.0500 LB/MMBTU COMBUSTION CONTROL	BACT
BOILER, AUX STEAM, 2 EA	90.00 MMBTU/H	NOX	0.1400 LB/MMBTU COMBUSTION CONTROL	BACT
		CO	0.0350 LB/MMBTU COMBUSTION CONTROL	BACT
		PM/*	0.0140 LB/MMBTU COMBUSTION CONTROL	BACT
		SO2	0.3000 % SULFUR FUEL LOW S FUEL	BACT

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 05/18/1990

(CONTINUED) FULTON COGENERATION ASSOCIATES

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
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SAME PROCESS (CONTINUED)

NOTES -----

TURBINR CO LIMIT IS REFERENCED AT 45 DEG F. PM/PM10 LIMIT ON TURBINE IS FOR BOTH THE TURBINE & THE DUCT BURNER. DUCT BURNER FI
RES NATURAL GAS ONLY. TURBINE FUEL OIL USE IS LIMITED TO 25% ANNUALLY.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 05/18/1990

APPENDIX -- DETAILED SOURCE LISTING

05/30/1990

SOURCE TYPE/SIZE NATURAL GAS TURBINES

COMPANY NAME/SITE LOCATION GILROY ENERGY CO.

GILROY, CA

DETERMINATION IS BACT FOR A NEW SOURCE.

PERMIT NO. SFB 84-04

DETERMINATION MADE BY EPA REGION IX
(AGENCY)

JIM HANSON
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 08/01/85

ESTIMATED DATE OF START-UP-- 1987

(415)-974-8218
(PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
TURBINE, GAS, 2	60.00 MM	NOX	25.0000 PPMDV AT 15% O2 STEAM INJ./QUIET COMBUSTOR	
		SO2	0.1200 % BY WT. FUEL OIL	
BOILER, AUXILIARY, 2	90.00 MMBTU/H	NOX	40.0000 PPMDV AT 3% O2 LOW NOX BURNERS	

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 02/28/1986

APPENDIX -- DETAILED SOURCE LISTING

05/30/1990

=====

SOURCE TYPE/SIZE NATURAL GAS TURBINES 29000.00 HP

COMPANY NAME/SITE LOCATION GREAT LAKES GAS TRANSMISSION , MI

DETERMINATION IS BACT FOR A MODIFIED SOURCE.

PERMIT NO. 438-87

DETERMINATION MADE BY MICHIGAN DNR, AQD

(AGENCY)

LINDA WARDELL
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 02/16/88

ESTIMATED DATE OF START-UP--

(517)-373-7023

(PHONE)

=====

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
TURBINE, #1	12500.00 HP	NOX CO	SEE NOTES SEE NOTES	B/N BACT
TURBINE, #2	12500.00 HP	NOX CO	SEE NOTES SEE NOTES	B/N BACT
TURBINE, #3	4000.00 HP	NOX CO	SEE NOTES SEE NOTES	B/N BACT

NOTES -----

MODIFICATION IS TO RUN ALL THREE TURBINES SIMULTANEOUSLY.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 05/01/1990

APPENDIX -- DETAILED SOURCE LISTING

05/30/1990

=====

SOURCE TYPE/SIZE	NATURAL GAS TURBINES	52.00 MW

COMPANY NAME/SITE LOCATION	INDEC/OSWEGO HILL COGENERATION MITCHELL STATION	OSWEGO, NY

DETERMINATION IS BACT FOR A NEW SOURCE. PERMIT NO. DETERMINATION MADE BY NEW YORK STATE DEC (AGENCY)	JAMES HARRINGTON (AGENCY CONTACT PERSON)	DATE OF PERMIT ISSUANCE-- 02/07/89 ESTIMATED DATE OF START-UP-- (518)-457-2044 (PHONE)

=====

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF

TURBINE, GAS, GE FRAME 6	40.00 MW	NOX	42.0000 PPM AT 15% O2, GAS 65.0000 PPM AT 15% O2, OIL H2O INJECTION	BACT
		SO2	0.2700 % S FUEL LOW S FUEL OIL	BACT
		PM/*	0.0080 LB/MMBTU, GAS 0.0330 LB/MMBTU, OIL COMBUSTION CONTROL	BACT
		CO	0.0220 LB/MMBTU COMBUSTION CONTROL	BACT

NOTES -----

NATURAL GAS IS THE PRIMARY FUEL. NUMBER 2 FUEL OIL WILL BE USED AS BACKUP. SOURCE IS LIMITED TO 25% ,BY TIME, USE OF FUEL OIL.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 04/24/1989

APPENDIX -- DETAILED SOURCE LISTING

05/30/1990

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SOURCE TYPE/SIZE	NATURAL GAS TURBINES	53.00 MW

COMPANY NAME/SITE LOCATION	INDECK - YERKS ENERGY SERVICES, INC. SHERIDAN AVE.	TONAHANDA, NY

DETERMINATION IS BACT FOR A NEW SOURCE. PERMIT NO. DETERMINATION MADE BY NEW YORK STATE DEC (AGENCY)	JAMES HARRINGTON (AGENCY CONTACT PERSON)	DATE OF PERMIT ISSUANCE-- 11/04/88 ESTIMATED DATE OF START-UP-- (513)-457-2044 (PHONE)

=====

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF

TURBINE, GAS, GE FRAME 6	40.00 MW	NOX	42.0000 PPM AT 15% O2, GAS 65.0000 PPM AT 15%O2, OIL STEAM INJECTION	BACT
		SO2	0.3000 % S FUEL LOW S FUEL	BACT
		PM	0.0050 LB/MMBTU, GAS 0.0400 LB/MMBTU, OIL COMBUSTION CONTROL	BACT
		PM10	0.0050 LB/MMBTU, GAS 0.0400 LB/MMBTU, OIL COMBUSTION CONTROL	BACT

NOTES -----

NATURAL GAS IS PRIMARY FUEL. OIL WILL BE USED AS BACK UP. SOURCE IS LIMITED TO 25%, BY TIME, FUEL OIL FIRING.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 04/24/1989

APPENDIX -- DETAILED SOURCE LISTING

05/30/1990

SOURCE TYPE/SIZE NATURAL GAS TURBINES

COMPANY NAME/SITE LOCATION JMC SELKIRK, INC.

SELKIRK, NY

DETERMINATION IS BACT FOR A NEW SOURCE.

PERMIT NO.

DETERMINATION MADE BY NEW YORK STATE DEC
(AGENCY)JAMES HARRINGTON
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 11/21/89

ESTIMATED DATE OF START-UP-- 1991

(518)-457-2044
(PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
TURBINE, GE FRAME 7, GAS FIRED	80.00 MM	NOX	25.0000 PPM GAS FIRING 42.0000 PPM OIL FIRING STEAM INJECTION	
		CO	25.0000 PPM COMBUSTION CONTROL	
		PM/*	0.0070 LB/MMBTU GAS FIRING 0.0140 LB/MMBTU OIL FIRING COMBUSTION CONTROL	
		SO2	0.2000 % SULFUR OIL, SEE NOTE LOW S FUEL	
		VOC	7.0000 PPM COMBUSTION CONTROL	
DUCT BURNER, SUPPLEMENTARILY FI*	123.00 MMBTU/H	NOX	0.1000 LB/MMBTU GAS FIRING 0.1200 LB/MMBTU OIL FIRING COMBUSTION CONTROL	
		NOX	0.1900 LB/MMBTU OTHER FUEL COMBUSTION CONTROL	
		CO	0.0600 LB/MMBTU OIL & GAS FIRING 0.1000 LB/MMBTU OTHER FUEL COMBUSTION CONTROL	
		PM/*	0.0057 LB/MMBTU GAS FIRING 0.0114 LB/MMBTU OIL FIRING COMBUSTION CONTROL	

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 05/18/1990

(CONTINUED) JMC SELKIRK, INC.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
SAME PROCESS (CONTINUED)				
		PM/*	0.0120 LB/MMBTU OTHER FUEL COMBUSTION CONTROL	
		SO2	0.2000 % SULFUR OIL, SEE NOTE LOW S FUEL	
		VOC	0.0300 LB/MMBTU OIL & GAS FIRING 0.0700 LB/MMBTU OTHER FUEL COMBUSTION CONTROL	

NOTES -----

TURBINE & DUCT BURNER SO2 LIMIT - FUEL OIL USE LIMITED TO 25% ANNUALLY.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 05/18/1990

APPENDIX -- DETAILED SOURCE LISTING

05/30/1990

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=====
SOURCE TYPE/SIZE      NATURAL GAS TURBINES      50.00 MM
-----
COMPANY NAME/SITE LOCATION  KAMINE CARTHAGE      CARTHAGE, NY
      JAMES RIVER PAPER
-----
DETERMINATION IS      DETERMINATION MADE BY NEW YORK STATE DEC      DATE OF PERMIT ISSUANCE-- 07/01/88
PERMIT NO.              (AGENCY)              (AGENCY CONTACT PERSON)      ESTIMATED DATE OF START-UP--
      JAMES HARRINGTON      (518)-457-2044
      (AGENCY CONTACT PERSON)      (PHONE)
=====

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=====
PROCESSES SUBJECT      THROUGHPUT      POLLUTANT      EMISSION LIMITS      ... & BASIS
TO THIS PERMIT          CAPACITY      EMITTED      CONTROL EQUIPMENT OR PROCESS MODIFICATION      ... PCT EFF
-----
TURBINE, GAS FIRED, GE FRAME 6      40.00 MM
      NOX      42.0000 PPM, GAS      BACT
      65.0000 PPM, Kerosine
      SO2      0.1000 % S FUEL      BACT
      LOW S FUEL
      CO      0.0220 LB/MMBTU      BACT
      COMBUSTION CONTROL
      PM10      0.0050 LB/MMBTU, GAS
      0.0400 LB/MMBTU, Kerosine
      COMBUSTION CONTROL
      VOC      0.0800 LB/MMBTU
      COMBUSTION CONTROL

BURNER, DUCT      113.00 MMBTU/H
      NOX      0.1000 LB/MMBTU, GAS      BACT
      0.1450 LB/MMBTU, Kerosine
      COMBUSTION CONTROL
      SO2      0.1000 % S FUEL      BACT
      LOW S FUEL
      CO      0.1600 LB/MMBTU      BACT
      COMBUSTION CONTROL
      VOC      0.1000 LB/MMBTU      BACT
      COMBUSTION CONTROL
=====

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NOTES -----

NATURAL GAS IS PRIMARY FUEL WITH Kerosine AS BACK-UP. SOURCE IS LIMITED TO 25% OF BACK-UP FUEL.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 03/01/1989

APPENDIX -- DETAILED SOURCE LISTING

05/30/1990

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=====
SOURCE TYPE/SIZE      NATURAL GAS TURBINES      50.00 MW
-----
COMPANY NAME/SITE LOCATION  KAMINE SOUTH GLENS FALLS      SOUTH GLENS FALLS, NY
                           JAMES RIVER PAPER
-----
DETERMINATION IS PERMIT NO.      DATE OF PERMIT ISSUANCE-- 09/01/88
DETERMINATION MADE BY NEW YORK STATE DEC (AGENCY)      JAMES HARRINGTON      ESTIMATED DATE OF START-UP--
                           (AGENCY CONTACT PERSON)      (518)-457-2044
                           (PHONE)
=====

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=====
PROCESSES SUBJECT TO THIS PERMIT      THROUGHPUT CAPACITY      POLLUTANT EMITTED      EMISSION LIMITS      ... & BASIS
                                     ... PCT EFF
-----
TURBINE, GAS FIRED, GE FRAME 6      40.00 MW
                                     NOX      42.0000 PPM, GAS      BACT
                                     65.0000 PPM, OIL
                                     STEAM INJECTION
                                     CO      0.0210 LB/MMBTU      BACT
                                     COMBUSTION CONTROL
                                     PM10     0.0550 LB/MMBTU, GAS      BACT
                                     0.0400 LB/MMBTU, OIL
                                     COMBUSTION CONTROL
                                     SO2      0.2000 % S FUEL      BACT
                                     LOW S FUEL
                                     VOC      0.0090 LB/MMBTU      BACT
                                     COMBUSTION CONTROL

BURNER, DUCT      113.00 MMBTU/H
                                     NOX      0.1000 LB/MMBTU      BACT
                                     COMBUSTION CONTROL
                                     PM10     0.0050 LB/MMBTU, GAS      BACT
                                     0.0400 LB/MMBTU, OIL
                                     COMBUSTION CONTROL
                                     CO      0.1600 LB/MMBTU      BACT
                                     COMBUSTION CONTROL
                                     SO2      0.2000 % S FUEL      BACT
                                     LOW S FUEL
                                     VOC      0.1000 LB/MMBTU      BACT
                                     COMBUSTION CONTROL
=====

```

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 03/01/1989

(CONTINUED) KAMINE SOUTH GLENS FALLS

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
SAME PROCESS (CONTINUED)				

NOTES -----

NATURAL GAS IS PRIMARY FUEL W/0.2% SULFUR DISTILLATE AS BACK-UP. APPLICANT IS LIMITED TO 25% BACK-UP FUEL USE.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 03/01/1989

APPENDIX -- DETAILED SOURCE LISTING

05/30/1990

=====

SOURCE TYPE/SIZE	NATURAL GAS TURBINES	

COMPANY NAME/SITE LOCATION	KAMINE SYRACUSE COGENERATION CO.	SOLVAY, NY

DETERMINATION IS		DATE OF PERMIT ISSUANCE-- 09/01/89
PERMIT NO.		ESTIMATED DATE OF START-UP--
DETERMINATION MADE BY NEW YORK STATE DEC	JAMES HARRINGTON	(518)-457-2044
(AGENCY)	(AGENCY CONTACT PERSON)	(PHONE)

=====

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF

TURBINE, GAS FIRED	79.00 MM	NOX	36.0000 PPM, NAT GAS 65.0000 PPM, OIL WATER INJECTION	
		SO2	0.1500 % SULFUR FUEL LOW S FUEL	
		PM10	0.0530 LB/MMBTU COMBUSTION CONTROL	
		CO	0.0280 LB/MMBTU COMBUSTION CONTROL	
		VOC	0.0280 LB/MMBTU COMBUSTION CONTROL	
BURNER, DUCT	300.00 MMBTU/H	NOX	0.1810 LB/MMBTU COMBUSTION CONTROL	
		SO2	0.1500 % SULFUR FUEL LOW S FUEL	
		PM10	0.0670 LB/MMBTU COMBUSTION CONTROL	
		CO	0.1430 LB/MMBTU COMBUSTION CONTROL	
		VOC	0.0860 LB/MMBTU COMBUSTION CONTROL	

NOTES -----
 NATURAL GAS IS PRIMARY FUEL WITH #2 FUEL OIL AS BACKUP. SOURCE IS LIMITED TO 2000 HOURS OF BACKUP FUEL. EMISSIONS OF NOX USING
 NAT GAS MAY NOT EXCEED 110% OF THE COMPLIANCE TEST RESULTS OR 36 PPM, WHICHEVER IS LOWER.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 12/31/1989

APPENDIX -- DETAILED SOURCE LISTING

05/30/1990

SOURCE TYPE/SIZE NATURAL GAS TURBINES

COMPANY NAME/SITE LOCATION KERN ENERGY CORP. , CA KERN COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 3093001
DETERMINATION MADE BY KERN COUNTY APCD
(AGENCY)

TOM PAXSON
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 04/18/86
ESTIMATED DATE OF START-UP--
(805)-861-3682
(PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
TURBINE, GAS	8.80 MMCF/D	NOX	8.2900 LB/H 0.0230 LB/MMBTU SCR W/NH3 REDUCING AGENT & COMBUSTOR STEAM INJ. & LOW NOX CONFIG. EXH. DUCT BURNER	87.00

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 05/10/1986

APPENDIX -- DETAILED SOURCE LISTING

05/30/1990

SOURCE TYPE/SIZE

NATURAL GAS TURBINES

COMPANY NAME/SITE LOCATION KERN FRONT LIMITED

, CA

KERN COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.

PERMIT NO. 4166001,002

DETERMINATION MADE BY KERN COUNTY APCD
(AGENCY)TOM PAXSON
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 11/04/86

ESTIMATED DATE OF START-UP--

(805)-861-3682

(PHONE)

PROCESSES SUBJECT
TO THIS PERMITTHROUGHPUT
CAPACITYPOLLUTANT
EMITTED

EMISSION LIMITS

CONTROL EQUIPMENT OR PROCESS MODIFICATION

... & BASIS
... PCT EFF

TURBINE, GAS, 2 EA

25.00 MM

NOX

193.9800 LB/D, TOTAL

4.5000 PPMVD AT 15% O2

H2O INJ. & SELECTED CATALYTIC REDUCTION

95.80

NOTES -----

DEGREE OF CONTROL EXCEEDS BACT REQUIREMENTS

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 02/19/1987

PAGE H- 282

ID NUMBER CA-0164

SOURCE TYPE CODE 3.1

APPENDIX -- DETAILED SOURCE LISTING

05/30/1990

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=====
SOURCE TYPE/SIZE      NATURAL GAS TURBINES      50.00 MW
-----
COMPANY NAME/SITE LOCATION  L & J ENERGY SYSTEM COGENERATION      LOWVILLE, NY
-----
DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO.
DETERMINATION MADE BY NEW YORK STATE DEC      JAMES HARRINGTON      DATE OF PERMIT ISSUANCE-- 01/15/89
(AGENCY)      (AGENCY CONTACT PERSON)      ESTIMATED DATE OF START-UP--
      (PHONE)
=====
  
```

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
TURBINE, GAS, GE LM 5000	40.00 MW	NOX	42.0000 PPM AT 15% O2, GAS 65.0000 PPM AT 15% O2, OIL STEAM INJECTION	BACT
		SO2	0.1000 % S FUEL LOW S FUEL	BACT
		PM	0.0280 LB/MMBTU, GAS 0.0800 LB/MMBTU, OIL COMBUSTION CONTROL	BACT
		PM10	0.0280 LB/MMBTU, GAS 0.0800 LB/MMBTU, OIL COMBUSTION CONTROL	BACT
BURNER, DUCT	50.00 MMBTU/H	NOX	0.1000 LB/MMBTU COMBUSTION CONTROL	BACT
		SO2	0.1000 % S FUEL LOW S FUEL	BACT
		PM	0.0028 LB/MMBTU COMBUSTION CONTROL	BACT
		PM10	0.0028 LB/MMBTU COMBUSTION CONTROL	BACT

NOTES -----
 NATURAL GAS IS THE PRIMARY FUEL. NUMBER 2 FUEL OIL WILL BE USED AS BACK UP. SOURCE IS LIMITED TO 25%, BY TIME, TO FUEL OIL.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 04/24/1989

APPENDIX -- DETAILED SOURCE LISTING

05/30/1990

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=====
SOURCE TYPE/SIZE      NATURAL GAS TURBINES      220.00 MW
-----
COMPANY NAME/SITE LOCATION  LONG ISLAND LIGHTING CO.      , NY
                           SHOREHAM WEST SITE
-----

DETERMINATION IS      DATE OF PERMIT ISSUANCE-- 11/01/88
PERMIT NO.             ESTIMATED DATE OF START-UP--
DETERMINATION MADE BY NEW YORK STATE DEC      (518)-457-2044
                           (AGENCY)           (AGENCY CONTACT PERSON)      (PHONE)
=====
  
```

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
TURBINE, GE FRAME 7, 3 EA	75.00 MW	NOX	55.0000 PPM WATER INJECTION	BACT
		SO2	0.2500 % S OIL LOW S FUEL	BACT
		CO	10.0000 PPM COMBUSTION CONTROL	
		PM10	0.0060 LB/MMBTU COMBUSTION CONTROL	BACT
		VOC	0.0060 LB/MMBTU COMBUSTION CONTROL	BACT

NOTES -----

PEAKING UNIT - EXPECTED USE - 30%. LIMITED TO 67% AVAILABILITY. THIS IS A DUPLICATE PERMIT TO THE LILCO WEST BABYLON, NY-0025, FACILITY. ONLY ONE FACILITY MAY BE CONSTRUCTED WITHOUT FURTHER BACT REVIEW.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 03/01/1989

APPENDIX -- DETAILED SOURCE LISTING

05/30/1990

SOURCE TYPE/SIZE NATURAL GAS TURBINES

COMPANY NAME/SITE LOCATION MEGAN-RACINE ASSOCIATES, INC.

CANTON, NY

DETERMINATION IS BACT FOR A NEW SOURCE.

PERMIT NO.

DETERMINATION MADE BY NEW YORK STATE DEC
(AGENCY)

JAMES HARRINGTON
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 03/06/89

ESTIMATED DATE OF START-UP--

(518)-457-2044

(PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
TURBINE, LM5000	430.00 MMBTU/H	SO2	0.2000 % SULFUR FUEL LOW S FUEL	BACT
		PM/*	0.0280 LB/MMBTU GAS 0.0800 LB/MMBTU OIL	BACT
		CO	0.0260 LB/MMBTU OIL 0.1500 LB/MMBTU GAS	NAAQ
		NOX	COMBUSTION CONTROL 42.0000 PPM GAS 65.0000 PPM OIL H2O INJECTION	BACT
DUCT BURNER, NAT GAS FIRED	40.00 MMBTU/H	VOC	0.0200 LB/MMBTU GAS 0.0300 LB/MMBTU OIL COMBUSTION CONTROL	NAAQ
		NOX	0.1000 LB/MMBTU COMBUSTION CONTROL	BACT

NOTES -----

CO & PM/PM10 LIMIT IS FOR TURBINE & DUCT BURNER COMBINED. TURBINE FUEL OIL USE IS LIMITED TO 25% ANNUALLY. THE DUCT BURNER MAY FIRE NATURAL GAS ONLY. DUCT BURNER VOC LIMIT IS FOR THE TURBINE & THE DUCT BURNER COMBINED.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 05/18/1990

APPENDIX -- DETAILED SOURCE LISTING

05/30/1990

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=====
SOURCE TYPE/SIZE      NATURAL GAS TURBINES      984.20 MMBTU/H
-----
COMPANY NAME/SITE LOCATION  MIDLAND COGENERATION VENTURE      MIDLAND, MI
-----
DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 759-87
DETERMINATION MADE BY MICHIGAN DNR, AQD
                        (AGENCY)
GREGORY EDWARDS
(AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 02/16/88
ESTIMATED DATE OF START-UP-- 1990
(517)-373-7023
                        (PHONE)
=====

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=====
PROCESSES SUBJECT      THROUGHPUT      POLLUTANT      EMISSION LIMITS      ... & BASIS
TO THIS PERMIT          CAPACITY        EMITTED        CONTROL EQUIPMENT OR PROCESS MODIFICATION ... PCT EFF
-----
TURBINE, 12 TOTAL      984.20 MMBTU/H
                        PM10      0.5000 LB/H      NAT GAS FUEL      BACT
                        SO2      15.5000 LB/H      NAT GAS FUEL      BACT
                        NOX      42.0000 PPMV AT 15% O2      STEAM INJ.      BACT
                        CO      26.0000 LB/H      TURBINE DESIGN      BACT
BURNER, DUCT, 6 TOTAL  249.00 MMBTU/H
                        NOX      0.1000 LB/MMBTU      BURNER DESIGN      B/N
=====

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(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 05/01/1990

APPENDIX -- DETAILED SOURCE LISTING

05/30/1990

SOURCE TYPE/SIZE NATURAL GAS TURBINES

COMPANY NAME/SITE LOCATION MIDWAY - SUNSET PROJECT , CA KERN COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 4014800-807
DETERMINATION MADE BY KERN COUNTY APCD
(AGENCY)

TOM PAXSON
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 01/06/87
ESTIMATED DATE OF START-UP--
(805)-861-3682
(PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
TURBINE, GAS, 3	973.00 MMBTU/H	NOX	113.4000 LB/H EA 16.3100 PPMV H2O INJECTION	73.00

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 02/19/1987

APPENDIX -- DETAILED SOURCE LISTING

05/30/1990

SOURCE TYPE/SIZE

NATURAL GAS TURBINES

COMPANY NAME/SITE LOCATION MIDWAY-SUNSET COGENERATION CO.

, CA

DETERMINATION IS BACT FOR A MODIFIED SOURCE.

PERMIT NO. NSR 4-4-8,SJ 87-01

DETERMINATION MADE BY EPA REGION IX
(AGENCY)SHIRLEY RIVERA
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 01/27/88

ESTIMATED DATE OF START-UP--

(415)-974-7043

(PHONE)

PROCESSES SUBJECT
TO THIS PERMITTHROUGHPUT
CAPACITYPOLLUTANT
EMITTED

EMISSION LIMITS

CONTROL EQUIPMENT OR PROCESS MODIFICATION

... & BASIS
... PCT EFF

TURBINE, GE FRAME 7, 3 EA

75.00 MM

NOX

85.0000 LB/H EA, NAT GAS, NOTE 1
85.0000 LB/H EA, NAT GAS, NOTE 3
H2O INJ., "QUIET COMBUSTOR"

BACT

NOX

140.0000 LB/H EA, OIL FIRING, NOTE 1
140.0000 LB/H EA, OIL FIRING, NOTE 3
H2O INJ., "QUIET COMBUSTOR"

BACT

NOX

243.0000 LB/H TOTAL, NOTE 4
H2O INJ., "QUIET COMBUSTOR"

BACT

CO

94.0000 LB/H EA, NOTE 1
94.0000 LB/H EA, NOTE 2
PROPER COMBUSTION

BACT

NOTES -----

NOTE 1-FOR LOADS >= 75% OF CAPACITY, OIL OR GAS FIRING. NOTE 2-FOR LOADS <75% OF CAPACITY, GAS OR OIL FIRING. NOTE 3-FOR LOADS
<75% OF CAPACITY WITH A MINIMUM WATER TO FUEL INJECTION RATIO OF 0.60 TO 1.

NOTE 4-FOR ALL THREE TURBINES AT ALL OPERATING LOADS WITH A MINIMUM WATER TO FUEL INJECTION RATIO OF 0.60 TO 1.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 06/22/1988

APPENDIX -- DETAILED SOURCE LISTING

05/30/1990

SOURCE TYPE/SIZE NATURAL GAS TURBINES

COMPANY NAME/SITE LOCATION MOBIL EXPLORATION & PRODUCING US, INC. , CA

DETERMINATION IS FOR A NEW SOURCE.

PERMIT NO. 4335

DETERMINATION MADE BY MONTEREY BAY UNIFIED APCD
(AGENCY)F. THOITS
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 09/27/88

ESTIMATED DATE OF START-UP--

(408)-722-7879

(PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
TURBINE & BURNER, DUCT	3.11 MM	NOX	91.0000 LB/D 0.0470 LB/MMBTU SCR CATALYST AMMONIA INJ., H2O INJ.	BACT 65.00

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 06/01/1989

APPENDIX -- DETAILED SOURCE LISTING

05/30/1990

=====

SOURCE TYPE/SIZE	NATURAL GAS TURBINES		

COMPANY NAME/SITE LOCATION	MOBIL OIL SAN ARDO COGENERATION PROJECT		
	, CA		

DETERMINATION IS	FOR A NEW SOURCE.	DATE OF PERMIT ISSUANCE--	09/27/88
PERMIT NO. 4335 & 4471		ESTIMATED DATE OF START-UP--	1989
DETERMINATION MADE BY MONTEREY BAY UNIFIED APCD	F. THOITS	(408)-443-1135	
(AGENCY)	(AGENCY CONTACT PERSON)	(PHONE)	

=====

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF

TURBINE, 2 EA, W/DUCT BURNER	81.40 MMBTU/H	NOX	90.7000 LB/D 0.0470 LB/MMBTU MOLECULAR SIEVE TYPE CATALYST H2O INJECTION	BACT

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 06/01/1989

APPENDIX -- DETAILED SOURCE LISTING

05/30/1990

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=====
SOURCE TYPE/SIZE      NATURAL GAS TURBINES      45.00 MM
-----
COMPANY NAME/SITE LOCATION  MOJAVE COGENERATION CO.      , CA      KERN COUNTY
-----

DETERMINATION IS BACT
PERMIT NO. 0164001
DETERMINATION MADE BY KERN COUNTY APCD      TOM PAXSON      DATE OF PERMIT ISSUANCE-- 01/12/89
(AGENCY)      (AGENCY CONTACT PERSON)      ESTIMATED DATE OF START-UP--
      (PHONE)
=====
  
```

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
TURBINE, GAS	490.00 MMBTU/H	PM	0.0170 LB/MMBTU, GAS 0.0357 LB/MMBTU, OIL OIL FIRING LIMITED TO 11 H/D	BACT
		SO2	0.0012 LB/MMBTU, GAS 0.0510 LB/MMBTU, OIL OIL FIRING LIMITED TO 11 H/D	BACT
		NOX	0.0310 LB/MMBTU, GAS 0.1500 LB/MMBTU, OIL OIL FIRING LIMITED TO 11 H/D	BACT

NOTES -----
 ORIGINALLY U.S. BORAX COGEN II, PERMIT #1004086. FUEL OIL TO BE USED ONLY DURING NATURAL GAS CURTAILMENT.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 03/01/1989

APPENDIX -- DETAILED SOURCE LISTING

05/30/1990

=====

SOURCE TYPE/SIZE	NATURAL GAS TURBINES	45.00 MM

COMPANY NAME/SITE LOCATION	MOJAVE COGENERATION CO., L.P.	, CA

DETERMINATION IS BACT FOR A MODIFIED SOURCE.		DATE OF PERMIT ISSUANCE--
PERMIT NO. SE 86-01-A		ESTIMATED DATE OF START-UP-- 1988
DETERMINATION MADE BY EPA REGION IX	LINH TRAN	(415)-974-7631
(AGENCY)	(AGENCY CONTACT PERSON)	(PHONE)

=====

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF

TURBINE, GAS		NOX	10.0000 PPMV AT 15% O2, DRY, GAS FIRING 40.0000 PPMV AT 15% O2, DRY, OIL FIRING SCR/STEAM INJECTION	
		SO2	24.0000 PPMV AT 15% O2, DRY, OIL FIRING LOW S FUEL OIL, 0.2% S BY WT.	

NOTES -----

EPA UPDATED BACT REQUIREMENTS UPON GRANTING AN 18 MONTH EXTENSION OF THE EXISTING PSD PERMIT.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 03/01/1989

APPENDIX -- DETAILED SOURCE LISTING

05/30/1990

SOURCE TYPE/SIZE NATURAL GAS TURBINES

COMPANY NAME/SITE LOCATION MONARCH COGENERATION , CA

DETERMINATION IS
PERMIT NO. 4164005
DETERMINATION MADE BY KERN COUNTY APCD
(AGENCY)

TOM PAXSON
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 04/18/86
ESTIMATED DATE OF START-UP--
(805)-861-3682
(PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
TURBINE & GENERATOR, STEAM	92.20 MMBTU/H	NOX	192.5000 LB/D 22.0000 PPMVD AT 15% O2 SELECTIVE CATALYTIC REDUCTION	BACT

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 06/01/1989

APPENDIX -- DETAILED SOURCE LISTING

05/30/1990

=====

SOURCE TYPE/SIZE

NATURAL GAS TURBINES

COMPANY NAME/SITE LOCATION

MONARCH COGENERATION

, CA

DETERMINATION IS
PERMIT NO. 4164004DETERMINATION MADE BY KERN COUNTY APCD
(AGENCY)TOM PAXSON
(AGENCY CONTACT PERSON)DATE OF PERMIT ISSUANCE-- 04/18/86
ESTIMATED DATE OF START-UP--
(805)-861-3682
(PHONE)

=====

PROCESSES SUBJECT
TO THIS PERMITTHROUGHPUT
CAPACITYPOLLUTANT
EMITTEDEMISSION LIMITS
CONTROL EQUIPMENT OR PROCESS MODIFICATION ... & BASIS
... PCT EFF

TURBINE & GENERATOR, STEAM

92.20 MMBTU/H

NOX

192.5000 LB/D
22.0000 PPMVD AT 15% O2
SELECTIVE CATALYTIC REDUCTION

BACT

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 06/01/1989

PAGE H- 294

ID NUMBER CA-0288

SOURCE TYPE CODE 3.1

APPENDIX -- DETAILED SOURCE LISTING

05/30/1990

SOURCE TYPE/SIZE NATURAL GAS TURBINES

COMPANY NAME/SITE LOCATION MORAN POWER, INC.

, CA

KERN COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.

PERMIT NO. 3095001

DETERMINATION MADE BY KERN COUNTY APCD
(AGENCY)

TOM PAXSON
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 04/18/86

ESTIMATED DATE OF START-UP--

(805)-861-3682

(PHONE)

PROCESSES SUBJECT
TO THIS PERMIT

THROUGHPUT
CAPACITY

POLLUTANT
EMITTED

EMISSION LIMITS

CONTROL EQUIPMENT OR PROCESS MODIFICATION ... & BASIS
... PCT EFF

TURBINE, GAS

8.00 MMCF/D

NOX

8.2900 LB/H

0.0200 LB/MMBTU

SCR W/NH3 REDUCING AGENT & COMBUSTOR

STEAM INJ. & LOW NOX CONFIG. EXH. DUCT BURNER 87.00

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 05/10/1986

APPENDIX -- DETAILED SOURCE LISTING

05/30/1990

SOURCE TYPE/SIZE

NATURAL GAS TURBINES

COMPANY NAME/SITE LOCATION

NORTHERN CALIFORNIA POWER

, CA

DETERMINATION IS FOR A NEW SOURCE.
PERMIT NO. A/C 85-02
DETERMINATION MADE BY MENDOCINO COUNTY APCD
(AGENCY)

R. SWAN
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 04/01/85
ESTIMATED DATE OF START-UP-- 1986
(707)-463-4391
(PHONE)

PROCESSES SUBJECT
TO THIS PERMIT

THROUGHPUT
CAPACITY

POLLUTANT
EMITTED

EMISSION LIMITS
CONTROL EQUIPMENT OR PROCESS MODIFICATION

... & BASIS
... PCT EFF

TURBINE-GENERATOR, GE FRAME 5, *

25.80 MW

NOX

75.0000 PPM, SEE NOTE
H2O INJ

NOTES -----

OPERATION LIMITED TO 782 HOURS/YR ON NAT. GAS, 456 HOURS/YR ON 0.25% OIL OR 1032 HOURS/YR ON 0.1% OIL. NOX EMISSION LIMIT NOTE
- H2O INJ. TO ACHIEVE 42. PPMVD AT 15% O2 FOR NAT. GAS, 65. PPMVD FOR OIL.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 06/04/1986

APPENDIX -- DETAILED SOURCE LISTING

05/30/1990

SOURCE TYPE/SIZE NATURAL GAS TURBINES

COMPANY NAME/SITE LOCATION O'BRIAN CALIFORNIA COGEN II, LIMITED , CA

DETERMINATION IS FOR A NEW SOURCE.

PERMIT NO. 4586

DETERMINATION MADE BY MONTEREY BAY UNIFIED AQMD
(AGENCY)

DAVID CRAFT
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 01/04/90
ESTIMATED DATE OF START-UP-- 1990
(408)-443-1135
(PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
TURBINE, GAS GENERATOR SET W/DU*	49.50 MM	NOX	350.4000 LB/D 14.6000 LB/H SCR, DRY TYPE	B/L

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 05/18/1990

APPENDIX -- DETAILED SOURCE LISTING

05/30/1990

SOURCE TYPE/SIZE

NATURAL GAS TURBINES

COMPANY NAME/SITE LOCATION O'BRIEN COGENERATION
60 COLUMBUS BOULEVARD

HARTFORD, CT

DETERMINATION IS BACT FOR A NEW SOURCE.

PERMIT NO. 075-0060

DETERMINATION MADE BY CONNECTICUT DEP
(AGENCY)MARK HULTMAN
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 08/08/88

ESTIMATED DATE OF START-UP-- 1990

(203)-566-8230
(PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
TURBINE, GAS FIRED	499.90 MMBTU/H	PM	0.0090 LB/MMBTU, GAS FIRED 0.0250 LB/MMBTU, OIL FIRED GOOD COMBUSTION TECHNIQUES	
		SOX	0.1900 LB/MMBTU 35.0000 PPMVD AT 15% O2 LOW S OIL, ANNUAL FUEL LIMIT	
		NOX	39.0000 PPMVD AT 15% O2 GAS FIRED 40.0000 PPMVD AT 15% O2 OIL FIRED WATER INJECTION	
TURBINE, GAS FIRED	499.90 MMBTU/H	PM	0.0090 LB/MMBTU, GAS FIRED 0.0250 LB/MMBTU, OIL FIRED GOOD COMBUSTION TECHNIQUES	
		SOX	0.1900 LB/MMBTU 35.0000 PPMVD AT 15% O2 LOW S OIL, ANNUAL FUEL LIMIT	
		NOX	39.0000 PPMVD AT 15% O2 GAS FIRED 40.0000 PPMVD AT 15% O2 OIL FIRED WATER INJECTION	

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 04/30/1990

APPENDIX -- DETAILED SOURCE LISTING

05/30/1990

SOURCE TYPE/SIZE NATURAL GAS TURBINES

COMPANY NAME/SITE LOCATION O'BRIAN CALIFORNIA COGEN II, LIMITED, CA

DETERMINATION IS FOR A NEW SOURCE.

PERMIT NO. 4586

DETERMINATION MADE BY MONTEREY BAY UNIFIED AQMD
(AGENCY)

DAVID CRAFT
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 01/04/90
ESTIMATED DATE OF START-UP-- 1990
(408)-443-1135
(PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
TURBINE, GAS GENERATOR SET W/DU*	49.50 MW	NOX	350.4000 LB/D 14.6000 LB/H SCR, DRY TYPE	B/L

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 05/18/1990

APPENDIX -- DETAILED SOURCE LISTING

05/30/1990

SOURCE TYPE/SIZE

NATURAL GAS TURBINES

COMPANY NAME/SITE LOCATION O'BRIEN COGENERATION
60 COLUMBUS BOULEVARD

HARTFORD, CT

DETERMINATION IS BACK FOR A NEW SOURCE.

PERMIT NO. 075-0060

DETERMINATION MADE BY CONNECTICUT DEP
(AGENCY)MARK HULTMAN
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 08/08/88

ESTIMATED DATE OF START-UP-- 1990

(203)-566-8230
(PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
TURBINE, GAS FIRED	499.90 MMBTU/H	PM	0.0090 LB/MMBTU, GAS FIRED 0.0250 LB/MMBTU, OIL FIRED GOOD COMBUSTION TECHNIQUES	
		SOX	0.1900 LB/MMBTU 35.0000 PPMVD AT 15% O2 LOW S OIL, ANNUAL FUEL LIMIT	
		NOX	39.0000 PPMVD AT 15% O2 GAS FIRED 40.0000 PPMVD AT 15% O2 OIL FIRED WATER INJECTION	
TURBINE, GAS FIRED	499.90 MMBTU/H	PM	0.0090 LB/MMBTU, GAS FIRED 0.0250 LB/MMBTU, OIL FIRED GOOD COMBUSTION TECHNIQUES	
		SOX	0.1900 LB/MMBTU 35.0000 PPMVD AT 15% O2 LOW S OIL, ANNUAL FUEL LIMIT	
		NOX	39.0000 PPMVD AT 15% O2 GAS FIRED 40.0000 PPMVD AT 15% O2 OIL FIRED WATER INJECTION	

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 04/30/1990

APPENDIX -- DETAILED SOURCE LISTING

05/30/1990

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SOURCE TYPE/SIZE	NATURAL GAS TURBINES		

COMPANY NAME/SITE LOCATION	O'BRIEN ENERGY SYSTEMS/MERCHANTS REFRIG*	, CA	

DETERMINATION IS	FOR A NEW SOURCE.	DATE OF PERMIT ISSUANCE-- 12/30/86	
PERMIT NO. 3627		ESTIMATED DATE OF START-UP-- 1988	
DETERMINATION MADE BY MONTEREY BAY APCD	DAVID CRAFT	(408)-443-1135	
(AGENCY)	(AGENCY CONTACT PERSON)	(PHONE)	

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PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	... & BASIS
			CONTROL EQUIPMENT OR PROCESS MODIFICATION	... PCT EFF

TURBINE, GAS FIRED	359.50 MMBTU/H	NOX	30.3000 LB/H 15.0000 PPMVD AT 15% O2 DUCT BURNER H2O INJ., & SCR	

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 05/05/1987

APPENDIX -- DETAILED SOURCE LISTING

05/30/1990

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SOURCE TYPE/SIZE	NATURAL GAS TURBINES	500.00 MM

COMPANY NAME/SITE LOCATION	OCEAN STATE POWER	BURRILLVILLE, RI

DETERMINATION IS BACT FOR A NEW SOURCE.		DATE OF PERMIT ISSUANCE-- 12/13/88
PERMIT NO. RI-PSD-1		ESTIMATED DATE OF START-UP-- 1990
DETERMINATION MADE BY RHODE ISLAND DEM	DOUG MCVAY	(401)-277-2808
(AGENCY)	(AGENCY CONTACT PERSON)	(PHONE)

=====

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF

TURBINE, GAS, GE FRAME 7, 4 EA	1059.00 MMBTU/H	NOX	9.0000 PPMVD AT 15% O2 SCR/H2O INJ.	BACT
		CO	25.0000 PPMVD AT 15% O2	BACT
		NH3	30.0000 PPMVD AT 15% O2	BACT
		VOC	4.1000 PPMVD AT 15% O2	BACT

NOTES -----

0.3% SULFUR DISTILLATE OIL AS EMERGENCY BACK-UP FUEL. OIL OPERATION LIMITED TO 1200 HOURS/YR.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 03/01/1989

APPENDIX -- DETAILED SOURCE LISTING

05/30/1990

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SOURCE TYPE/SIZE      NATURAL GAS TURBINES      54.00 MW
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COMPANY NAME/SITE LOCATION  ONEIDA COGENERATION FACILITY      ONEIDA, NY
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DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 6-3060-0021/00001-1
DETERMINATION MADE BY NEW YORK STATE DEC
(AGENCY)
JAMES HARRINGTON
(AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 02/26/90
ESTIMATED DATE OF START-UP--
(518)-457-2044
(PHONE)
=====

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PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BOILER, AUX STEAM	114.00 MMBTU/H	VOC	0.0150 LB/MMBTU COMBUSTION CONTROL	NAAQ
		SO2	0.2000 % SULFUR OIL OIL FIRING LIMITED TO 168 H/YR LOW S FUEL	NAAQ
		PM/*	0.0120 LB/MMBTU COMBUSTION CONTROL	NAAQ
		CO	0.1400 LB/MMBTU GAS FIRING 0.1450 LB/MMBTU OIL FIRING COMBUSTION CONTROL	NAAQ
		NOX	0.0900 LB/MMBTU GAS FIRING 0.2000 LB/MMBTU OIL FIRING COMBUSTION CONTROL	NAAQ
TURBINE, GE FRAME 6	417.00 MMBTU/H	VOC	0.0130 LB/MMBTU COMBUSTION CONTROL	NAAQ
		PM/*	0.0060 LB/MMBTU COMBUSTION CONTROL	NAAQ
		CO	40.0000 PPM COMBUSTION CONTROL	NAAQ
		NOX	32.0000 PPM GAS COMBUSTION CONTROL	NAAQ

NOTES -----

TURBINE MAY FIRE NATURAL GAS ONLY & MAY ONLY OPERATE 8496 HOURS/YR.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 05/18/1990

APPENDIX -- DETAILED SOURCE LISTING

05/30/1990

SOURCE TYPE/SIZE NATURAL GAS TURBINES

COMPANY NAME/SITE LOCATION ORLANDO UTILITIES COMMISSION

TITUSVILLE, FL

DETERMINATION IS BACT FOR A NEW SOURCE.

PERMIT NO. PSD-FL-130

DETERMINATION MADE BY FLORIDA DER, BAR
(AGENCY)BARRY ANDREWS
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 09/01/88

ESTIMATED DATE OF START-UP-- 1990

(904)-488-1344

(PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
TURBINE, 2 EA	35.00 MW	NOX	42.0000 PPM AT 15% O2, GAS 65.0000 PPM AT 15% O2 OIL STEAM INJECTION	BACT
		SO2	0.3000 % SULFUR FUEL LOW S FUEL	BACT
		CO	10.0000 PPMVD AT 15% O2 COMBUSTION CONTROL	BACT
		VOC	7.0000 PPMVD AT 15% O2 COMBUSTION CONTROL	BACT

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 05/18/1990

APPENDIX -- DETAILED SOURCE LISTING

05/30/1990

SOURCE TYPE/SIZE NATURAL GAS TURBINES

COMPANY NAME/SITE LOCATION PACIFIC GAS TRANSMISSION CO.

BEND, OR

DETERMINATION IS BACT FOR A NEW SOURCE.

PERMIT NO. 09-0084

DETERMINATION MADE BY OREGON DEQ
(AGENCY)

WENDY SIMS
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 05/19/87

ESTIMATED DATE OF START-UP-- 1989

(503)-229-6414
(PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
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TURBINE, GAS	14000.00 HP	NOX	154.0000 PPM 50.3000 LB/H COMBUSTION CONTROL	BACT
		CO	6.0000 LB/H 25.0000 T/YR	
		VOC	1.6000 LB/H 7.0000 T/YR	

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 08/10/1987

APPENDIX -- DETAILED SOURCE LISTING

05/30/1990

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SOURCE TYPE/SIZE	NATURAL GAS TURBINES	242.00 MM

COMPANY NAME/SITE LOCATION	PACIFIC THERMONETICS, INC. CROCKETT COGENERATION	CROCKETT, CA

DETERMINATION IS FOR A NEW SOURCE.		DATE OF PERMIT ISSUANCE-- 04/06/89
PERMIT NO. NSR 4-4-3, SFB 88-01		ESTIMATED DATE OF START-UP-- 1994
DETERMINATION MADE BY EPA REGION IX	PETER FICKENSCHER	(415)-974-8226
(AGENCY)	(AGENCY CONTACT PERSON)	(PHONE)

=====

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION ... & BASIS ... PCT EFF

TURBINE, GE FRAME 7, 2 EA	995.00 MMBTU/H	PM10	0.0025 LB/MMBTU NAT GAS USE ONLY
BURNER, HRSG, 2	425.00 MMBTU/H	PM10	0.0048 LB/MMBTU NAT GAS USE ONLY

NOTES -----

THE BAAQMD ISSUED A DETERMINATION OF COMPLIANCE IN ACCORDANCE WITH PSD REGULATIONS DELEGATED TO THE DISTRICT. PM10, THOUGH, HAS NOT YET BEEN DELEGATED BY EPA.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 06/01/1989

APPENDIX -- DETAILED SOURCE LISTING

05/30/1990

SOURCE TYPE/SIZE NATURAL GAS TURBINES

COMPANY NAME/SITE LOCATION PANDA-ROSEMARY CORP.

ROANOKE RAPIDS, NC

DETERMINATION IS BACT FOR A NEW SOURCE.
 PERMIT NO. 6586R
 DETERMINATION MADE BY NORTH CAROLINA DEM
 (AGENCY)

SAMMY AMERSON
 (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 09/06/89
 ESTIMATED DATE OF START-UP-- 1990
 (919)-733-3340
 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
TURBINE, COMBUSTION, #6 FRAME	499.00 MMBTU/H GAS	NOX	83.0000 LB/H 0.1700 LB/MMBTU H2O INJECTION	BACT
		SO2	0.2900 LB/H 5.9000 EE-4 LB/MMBTU LOW S FUEL	BACT
		CO	10.8000 LB/H 0.0220 LB/MMBTU COMBUSTION CONTROL	BACT
		PM/*	2.5000 LB/H 0.0050 LB/MMBTU COMBUSTION CONTROL	BACT
		VOC	4.8000 LB/H 0.0095 LB/MMBTU COMBUSTION CONTROL	BACT
TURBINE, COMBUSTION, #6 FRAME	509.00 MMBTU/H OIL	NOX	134.0000 LB/H 0.2600 LB/MMBTU H2O INJECTION	BACT
		SO2	105.0000 LB/H 0.2100 LB/MMBTU LOW S FUEL	BACT
		CO	10.9000 LB/H 0.0210 LB/MMBTU COMBUSTION CONTROL	BACT

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 09/29/1989

(CONTINUED) PANDA-ROSEMARY CORP.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
SAME PROCESS (CONTINUED)				
		PM/*	17.0000 LB/H 0.0330 LB/MMBTU COMBUSTION CONTROL	BACT
		VOC	4.7000 LB/H 0.0093 LB/MMBTU COMBUSTION CONTROL	BACT
		H2S*	1.8000 LB/H 0.0035 LB/MMBTU LOW S FUEL	BACT
		BE	0.0013 LB/H 2.6000 EE-6 LB/MMBTU COMBUSTION CONTROL	BACT
		AS	0.2300 LB/H 4.6000 EE-5 LB/MMBTU COMBUSTION CONTROL	BACT
TURBINE, COMBUSTION, #7 FRAME	1047.00 MMBTU/H GAS	NOX	173.0000 LB/H 0.1700 LB/MMBTU H2O INJECTION	BACT
		SO2	0.6200 LB/H 5.9000 EE-4 LB/MMBTU LOW S FUEL	BACT
		CO	23.1000 LB/H 0.0022 LB/MMBTU COMBUSTION CONTROL	BACT
		PM/*	5.0000 LB/H 0.0048 LB/MMBTU COMBUSTION CONTROL	BACT
		VOC	10.2000 LB/H 0.0097 LB/MMBTU COMBUSTION CONTROL	BACT
TURBINE, COMBUSTION, #7 FRAME	1060.00 MMBTU/H OIL	NOX	277.0000 LB/H 0.2600 LB/MMBTU H2O INJECTION	BACT
		SO2	218.0000 LB/H 0.2100 LB/MMBTU LOW S FUEL	BACT
		CO	23.0000 LB/H 0.0220 LB/MMBTU COMBUSTION CONTROL	BACT

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 09/29/1989

(CONTINUED) PANDA-ROSEMARY CORP.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
SAME PROCESS (CONTINUED)				
		PM/*	10.0000 LB/H 0.0094 LB/MMBTU COMBUSTION CONTROL	BACT
		VOC	10.1000 LB/H 0.0096 LB/MMBTU COMBUSTION CONTROL	BACT
		H2S*	3.7000 LB/H 0.0035 LB/MMBTU LOW S FUEL	BACT
		BE	0.0027 LB/H 2.6000 EE-6 LB/MMBTU COMBUSTION CONTROL	BACT
		AS	0.0490 LB/H 4.6000 EE-5 LB/MMBTU COMBUSTION CONTROL	BACT
BOILER, 2 EA, GAS FIRED	81.25 MMBTU/H	NOX	8.1000 LB/H 0.1000 LB/MMBTU LOW NOX BURNER	BACT
		SO2	0.0480 LB/H 5.9000 EE-4 LB/MMBTU LOW S FUEL	BACT
		CO	2.7000 LB/H 0.0330 LB/MMBTU COMBUSTION CONTROL	BACT
		PM/*	0.3900 LB/H 0.0048 LB/MMBTU COMBUSTION CONTROL	BACT
		VOC	0.2200 LB/H 0.0027 LB/MMBTU COMBUSTION CONTROL	BACT
BOILER, 2 EA, OIL FIRED	81.25 MMBTU/H	NOX	9.8000 LB/H 0.1200 LB/MMBTU LOW NOX BURNER	BACT
		SO2	16.8000 LB/H 0.2100 LB/MMBTU LOW S FUEL	BACT
		CO	2.9500 LB/H 0.0360 LB/MMBTU COMBUSTION CONTROL	BACT

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 09/29/1989

(CONTINUED) PANDA-ROSEMARY CORP.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF

SAME PROCESS (CONTINUED)				
		PM/*	1.1800 LB/H 0.0150 LB/MMBTU COMBUSTION CONTROL	BACT
		VOC	0.1200 LB/H 0.0015 LB/MMBTU COMBUSTION CONTROL	BACT
		H2S*	0.6400 LB/H 0.0079 LB/MMBTU LOW S FUEL	BACT
		BE	2.1000 EE-4 LB/H 2.6000 EE-6 LB/MMBTU COMBUSTION CONTROL	BACT
		AS	0.0037 LB/H 4.6000 EE-5 LB/MMBTU COMBUSTION CONTROL	BACT

NOTES -----

COMBUSTION TURBINES MUST OPERATE LESS THAN 2000 H/YR EACH. IF THE FACILITY EXCEEDS 2000 H/YR THEN A REVISED BACT ANALYSIS IS REQUIRED FOR NOX, PM, & CO.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 09/29/1989

APPENDIX -- DETAILED SOURCE LISTING

05/30/1990

SOURCE TYPE/SIZE NATURAL GAS TURBINES

COMPANY NAME/SITE LOCATION PAWTUCKET POWER

PAWTUCKET, RI

DETERMINATION IS BACT FOR A NEW SOURCE.
 PERMIT NO. 948-950
 DETERMINATION MADE BY RHODE ISLAND DEM ,
 (AGENCY)

DOUG MCVAY
 (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 01/30/89
 ESTIMATED DATE OF START-UP-- 1991
 (401)-277-2808
 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
TURBINE/DUCT BURNER	533.00 MMBTU/H			
		NOX	9.0000 PPMVD AT 15% O2, GAS FIRING 18.0000 PPMVD AT 15% O2, OIL FIRING SCR	BACT
		CO	23.0000 PPMVD AT 15% O2, GAS FIRING 10.0000 PPMVD AT 15% O2, OIL FIRING	BACT
		PM	0.0070 LB/MMBTU GAS FIRING 0.0450 LB/MMBTU OIL FIRING	BACT
		VOC	19.0000 PPMVD AT 15% O2, GAS FIRING 8.0000 PPMVD AT 15% O2, OIL FIRING	BACT
		NH3	30.0000 PPMVD AT 15% O2, GAS FIRING 30.0000 PPMVD AT 15% O2, OIL FIRING	BACT

NOTES -----

DUCT BURNER LIMITED TO NATURAL GAS FIRING ONLY. OIL FIRING LIMITED TO 1000 H/YR.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 05/18/1990

APPENDIX -- DETAILED SOURCE LISTING

05/30/1990

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SOURCE TYPE/SIZE	NATURAL GAS TURBINES	49.90 MM
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COMPANY NAME/SITE LOCATION	PG & E, STATION T JESSIE ST BETWEEN 6TH & MINT STS.	SAN FRANCISCO, CA
----------------------------	--	-------------------

DETERMINATION IS BACT FOR A MODIFIED SOURCE.		DATE OF PERMIT ISSUANCE-- 08/25/86
PERMIT NO. SFB 86-01		ESTIMATED DATE OF START-UP-- 1987
DETERMINATION MADE BY EPA REGION IX	LINH TRAN	(415)-974-7631
(AGENCY)	(AGENCY CONTACT PERSON)	(PHONE)

=====

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
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TURBINE, GAS, GE LM5000	396.00 MMBTU/H	NOX	25.0000 PPM AT 15% O2 63.0000 LB/H STEAM INJ. AT STEAM/FUEL RATIO = 1.7/1	BACT 75.00
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NOTES -----

A CO OXIDIZING CATALYST SYSTEM FOR THE CONTROL OF CO EMISSIONS.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 02/19/1987

APPENDIX -- DETAILED SOURCE LISTING

05/30/1990

SOURCE TYPE/SIZE NATURAL GAS TURBINES

COMPANY NAME/SITE LOCATION POWER DEVELOPMENT CO. , CA

DETERMINATION IS BACT FOR A NEW SOURCE.
 PERMIT NO. 152305,152289
 DETERMINATION MADE BY SOUTH COAST AQMD
 (AGENCY)

WILLIAN THOMPSON
 (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 06/22/87
 ESTIMATED DATE OF START-UP-- 1987
 (818)-572-6185
 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
TURBINE, GAS	49.00 MMBTU/H	NOX	36.0000 LB/D 9.0000 PPMVD AT 15% O2 SCR UNIT H2O INJECTION	BACT

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 06/02/1988

APPENDIX -- DETAILED SOURCE LISTING

05/30/1990

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=====
SOURCE TYPE/SIZE      NATURAL GAS TURBINES      217.00 MMBTU/H
-----
COMPANY NAME/SITE LOCATION  PROCTOR & GAMBLE      SACRAMENTO, CA
-----
DETERMINATION IS
PERMIT NO. SAC 83-01
DETERMINATION MADE BY EPA REGION IX
(AGENCY)                JIM HANSON
                        (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 06/07/85
ESTIMATED DATE OF START-UP-- 1984
(415)-974-8218
(PHONE)
=====

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=====
PROCESSES SUBJECT      THROUGHPUT      POLLUTANT      EMISSION LIMITS      ... & BASIS
TO THIS PERMIT          CAPACITY        EMITTED        CONTROL EQUIPMENT OR PROCESS MODIFICATION ... PCT EFF
-----
TURBINE, GAS            217.00 MMBTU/H
                        SO2            0.3000 % S BY WT
                        NOX            75.0000 PPM AT 15% O2, OIL
                        62.0000 PPM AT 15% O2, GAS
                        H2O INJECTION
                        CO            32.0000 LB/H GAS FIRED
                        22.0000 LB/H OIL FIRED
BURNER, DUCT            40.00 MMBTU/H
                        NOX            0.0860 LB/MMBTU
                        LOW NOX BURNERS
                        CO            0.5000 LB/H
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(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 02/28/1986

APPENDIX -- DETAILED SOURCE LISTING

05/30/1990

SOURCE TYPE/SIZE NATURAL GAS TURBINES

COMPANY NAME/SITE LOCATION RICHMOND POWER ENTERPRISE PARTNERSHIP RICHMOND, VA

DETERMINATION IS L/N FOR A NEW SOURCE.
 PERMIT NO. 50988
 DETERMINATION MADE BY VIRGINIA DAPC
 (AGENCY)

ART ESCOBAR
 (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 12/12/89
 ESTIMATED DATE OF START-UP-- 1991
 (804)-786-6079
 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
TURBINE, GAS FIRED, 2	1163.50 MMBTU/H	NOX	8.2000 PPMVD 15% O2 NAT GAS 11.7000 PPMVD 15% #2 OIL SCR	
		SO2	38.3000 PPMVD 15% #2 OIL LOW S FUEL	
BURNER, DUCT, 2	80.00 MMBTU/H	PM	LOW ASH FUEL	
		SO2	LOW S FUEL	
		NOX	8.2000 PPMVD 15% O2 NAT GAS 11.7000 PPMVD 15% #2 OIL SCR	
BOILER	117.50 MMBTU/H	PM	0.0360 LB/MMBTU LOW ASH FUEL	
		SO2	0.2300 LB/MMBTU LOW S FUEL	
		NOX	0.2000 LB/MMBTU STAGED COMBINATION/LEA	

NOTES -----

TO CONSTRUCT A GAS TURBINE COGENERATING FACILITY. SUBPART GG OF NSPS APPLIES. SCR USED TO AVOID A PSD REVIEW. THIS IS A BASE L
 OAD FACILITY.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 04/30/1990

APPENDIX -- DETAILED SOURCE LISTING

05/30/1990

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SOURCE TYPE/SIZE	NATURAL GAS TURBINES

COMPANY NAME/SITE LOCATION	SAN JOAQUIN COGEN LIMITED, CA

DETERMINATION IS BACT FOR A NEW SOURCE. PERMIT NO. 86-123 DETERMINATION MADE BY SAN JOAQUIN CO. APCD (AGENCY)	SEYED SADREDIN (AGENCY CONTACT PERSON)
	DATE OF PERMIT ISSUANCE-- 06/19/87 ESTIMATED DATE OF START-UP-- 1989 (209)-468-3474 (PHONE)

=====

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF

GENERATOR, GAS TURBINE	48.60 MM	NOX	250.0000 LB/D 6.0000 PPMVD AT 15% O2 SCR H2O INJECTION	BACT 76.00
		CO	1326.0000 LB/D 55.0000 PPMVD AT 15% O2 COMBUSTION CONTROLS	

NOTES -----
NO CONSTRUCTION HAS BEEN STARTED AS OF THIS REPORT.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 06/02/1988

APPENDIX -- DETAILED SOURCE LISTING

05/30/1990

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=====
SOURCE TYPE/SIZE      NATURAL GAS TURBINES      20.00 MW
-----
COMPANY NAME/SITE LOCATION  SHELL CALIFORNIA PRODUCTION CO.      , CA      KERN COUNTY
                           BELRIDGE FIELD
-----
DETERMINATION IS BACT FOR A NEW SOURCE.      DATE OF PERMIT ISSUANCE-- 04/30/85
PERMIT NO. 4012175      ESTIMATED DATE OF START-UP-- 1986
DETERMINATION MADE BY KERN COUNTY APCD      (805)-861-3682
                           (AGENCY)      (AGENCY CONTACT PERSON)      (PHONE)
=====
  
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PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
TURBINE, GAS FIRED, 2 EA	22.00 MW	PM	3.9200 LB/H	BACT
		CO	10.0000 PPMV AT 15% O2	
			22.0000 LB/H	
			PROPER COMBUSTION	
		NOX	42.0000 PPM AT 15% O2	
			35.0000 LB/H	
			H2O INJECTION	

NOTES -----
 IF EXHAUST GAS CO CONCENTRATION EXCEEDS 10 PPMV AT 15% O2, INSTALLATION OF OXIDIZING CATALYST FOR CO CONTROL OF AT LEAST 80% REDUCTION EFFICIENCY IS REQUIRED. OPERATIONAL LEVEL IS 80% OF DESIGN CAPACITY & OPERATES 24 H/D, 365 D/YR.
 NO WATER INJECTION FOR NOX CONTROL. CEMS REQUIRED FOR NOX & O2. REGIONAL CONTACT IS MATT HABER/PHONE #(415)-974-8218.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 02/28/1986

APPENDIX -- DETAILED SOURCE LISTING

05/30/1990

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SOURCE TYPE/SIZE	NATURAL GAS TURBINES		

COMPANY NAME/SITE LOCATION	SIERRA LTD.	, CA	KERN COUNTY

DETERMINATION IS	FOR A NEW SOURCE.	DATE OF PERMIT ISSUANCE--	
PERMIT NO. 4162001,002		ESTIMATED DATE OF START-UP--	
DETERMINATION MADE BY KERN COUNTY APCD		(805)-861-3682	
(AGENCY)	TOM PAXSON	(PHONE)	
	(AGENCY CONTACT PERSON)		

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PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF

TURBINE, GAS, GE LM2500, 2 TOTAL	11.34 MMCF/D	NOX	4.0400 LB/H EA 0.0160 LB/MMBTU SCR & CO CATALYTIC CONVERTER STEAM INJECTION	95.86

NOTES -----
EMISSION LIMIT EXCEEDED BACT REQUIREMENT

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 02/19/1987

APPENDIX -- DETAILED SOURCE LISTING

05/30/1990

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=====
SOURCE TYPE/SIZE      NATURAL GAS TURBINES
-----
COMPANY NAME/SITE LOCATION  SOUTHEAST ENERGY, INC.                , CA
                                                                    KERN COUNTY
-----
DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 3094001
DETERMINATION MADE BY KERN COUNTY APCD
(AGENCY)                TOM PAXSON
                        (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 04/18/86
ESTIMATED DATE OF START-UP--
(805)-861-3682
(PHONE)
=====
  
```

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
TURBINE, GAS	8.00 MMCF/D	NOX	8.2900 LB/H 0.0230 LB/MMBTU SCR W/NH3 REDUCING AGENT & COMBUSTOR STEAM INJ. & LOW NOX CONFIG. EXH. DUCT BURNER	87.00

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 05/10/1986

APPENDIX -- DETAILED SOURCE LISTING

05/30/1990

SOURCE TYPE/SIZE

NATURAL GAS TURBINES

COMPANY NAME/SITE LOCATION

SUNLAW/INDUSTRIAL PARK 2

, CA

DETERMINATION IS FOR A NEW SOURCE.
PERMIT NO. AAP 120624, AAP 120625
DETERMINATION MADE BY SOUTH COAST AQMD
(AGENCY)

BOB PEASE
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 06/28/85
ESTIMATED DATE OF START-UP-- 1986
(818)-572-6174
(PHONE)

PROCESSES SUBJECT
TO THIS PERMIT

THROUGHPUT
CAPACITY

POLLUTANT
EMITTED

EMISSION LIMITS
CONTROL EQUIPMENT OR PROCESS MODIFICATION

... & BASIS
... PCT EFF

TURBINE, GAS W/*2 FUEL OIL BACK*

412.30 MMBTU/H

NOX

9.0000 PPMVD AT 15% O2
SCR & STEAM INJ.

80.00

CO

10.0000 PPMVD AT 15% O2
MFG GUARANTEE ON CO EMISSIONS

SOX

0.0500 % S FUEL, BY WT.
LIMIT FUEL S CONTENT

NOTES -----

ONE TURBINE IS PERMIT #APP 120624, AND THE OTHER IS #APP 120625. COMPANY ALSO KNOWN AS SUNLAW/U.S. GROWERS NO.2

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 06/04/1986

APPENDIX -- DETAILED SOURCE LISTING

05/30/1990

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=====
SOURCE TYPE/SIZE      NATURAL GAS TURBINES      300.00 MW
-----
COMPANY NAME/SITE LOCATION  SYCAMORE COGENERATION CO.      BAKERSFIELD, CA
                           KERN RIVER OIL FIELD
-----
DETERMINATION IS BACT FOR A NEW SOURCE.      DATE OF PERMIT ISSUANCE-- 03/06/87
PERMIT NO. SJ 85-09      ESTIMATED DATE OF START-UP--
DETERMINATION MADE BY EPA REGION IX      (415)-974-7631
                           (AGENCY)      (AGENCY CONTACT PERSON)      (PHONE)
=====
  
```

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
TURBINE, GAS FIRED, 4 EA	75.00 MW	CO	10.0000 PPMV AT 15% O2, 3 H AVG CO OXIDIZING CATALYST COMBUSTION CONTROL	

NOTES -----

APPLICANT PROVIDED EMISSION OFFSETS FOR NOX & SO2. WATER INJECTION SYSTEM IS USED FOR THE CONTROL OF NOX FOR THIS PROJECT.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 05/05/1987

APPENDIX -- DETAILED SOURCE LISTING

05/30/1990

=====

SOURCE TYPE/SIZE	NATURAL GAS TURBINES	50.00 MW

COMPANY NAME/SITE LOCATION	TBG/GRUMMAN	BETHPAGE, NY

DETERMINATION IS BACT FOR A NEW SOURCE. PERMIT NO. 282400 5705 00001 DETERMINATION MADE BY NEW YORK STATE DEC (AGENCY)	JAMES HARRINGTON (AGENCY CONTACT PERSON)	DATE OF PERMIT ISSUANCE-- 03/10/88 ESTIMATED DATE OF START-UP-- 1989 (518)-457-2044 (PHONE)

=====

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF

TURBINE, GAS, 2 EA	16.00 MW	NOX	75.0000 PPM + NSPS CORREC 0.2000 LB/MMBTU H2O INJECTION COMBUSTION CONTROLS	78.70
		SO2	0.3700 % S FUEL	
		CO	0.1810 LB/MMBTU CO CATALYST	80.00
		PM10	0.0110 LB/MMBTU	

NOTES -----

NSPS FOR GAS TURBINES WAS ACCEPTED AS BACT BECAUSE PROJECT IS IN A NONATTAINMENT AREA FOR CO & CO CONTROLS WERE PROPOSED.
FACILITY IS OPERATING. COMPLIANCE TESTS INDICATE COMPLIANCE WITH PERMIT LIMITS.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 06/22/1988

APPENDIX -- DETAILED SOURCE LISTING

05/30/1990

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=====
SOURCE TYPE/SIZE      NATURAL GAS TURBINES
-----
COMPANY NAME/SITE LOCATION  TEXACO-YOKUM COGENERATION PROJECT      , CA
-----
DETERMINATION IS      FOR A NEW SOURCE.
PERMIT NO. 3916,3917
DETERMINATION MADE BY MONTEREY BAY UNIFIED APCD
                      (AGENCY)
                      F. THOITS
                      (AGENCY CONTACT PERSON)
                      DATE OF PERMIT ISSUANCE-- 11/01/88
                      ESTIMATED DATE OF START-UP-- 1989
                      (408)-443-1135
                      (PHONE)
=====

```

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
TURBINE, GAS FIRED, 2 EA	24.50 MM	NOX	190.0000 LB/D 0.0310 LB/MMBTU	BACT
		CO	133.0000 LB/D 0.0220 LB/MMBTU	BACT

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 06/01/1989

APPENDIX -- DETAILED SOURCE LISTING

05/30/1990

=====

SOURCE TYPE/SIZE	NATURAL GAS TURBINES

COMPANY NAME/SITE LOCATION	TEXAS GAS TRANSMISSION CORP. HARDINSBURG COMPRESSOR STATION

DETERMINATION IS BACT FOR A MODIFIED SOURCE. PERMIT NO. C 88-015 DETERMINATION MADE BY KENTUCKY DAQ (AGENCY)	JAMES DILLS (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 02/26/88 ESTIMATED DATE OF START-UP-- 1988 (502)-564-3382 (PHONE)	

=====

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF

TURBINE, GAS	14300.00 HP	NOX SO2	0.0150 % BY VOLUME 0.1270 % BY WEIGHT	B/N B/N

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 06/22/1988

APPENDIX -- DETAILED SOURCE LISTING

05/30/1990

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=====
SOURCE TYPE/SIZE      NATURAL GAS TURBINES      57.00 MM
-----
COMPANY NAME/SITE LOCATION  TRIGEN                      , NY
                           MITCHELL FIELD
-----

DETERMINATION IS PERMIT NO.
DETERMINATION MADE BY NEW YORK STATE DEC (AGENCY)
JAMES HARRINGTON (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 07/01/88
ESTIMATED DATE OF START-UP--
(518)-457-2044 (PHONE)
=====

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PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
TURBINE, GAS FIRED, GE FRAME 6	40.00 MM	NOX	60.0000 PPM, GAS 65.0000 PPM, OIL STEAM INJECTION	BACT
		SO2	0.2700 % S FUEL LOW S FUEL	BACT
		CO	0.0230 LB/MMBTU COMBUSTION CONTROL	BACT
		PM10	0.0060 LB/MMBTU, GAS 0.0400 LB/MMBTU, KEROSENE COMBUSTION CONTROL	BACT
		VOC	0.0110 LB/MMBTU COMBUSTION CONTROL	BACT
BURNER, DUCT	193.00 MMBTU/H	NOX	0.2000 LB/MMBTU COMBUSTION CONTROL	BACT
		PM10	0.0150 LB/MMBTU, GAS 0.0400 LB/MMBTU, OIL COMBUSTION CONTROL	BACT
		CO	0.0700 LB/MMBTU COMBUSTION CONTROL	BACT
		SO2	0.2700 % S FUEL LOW S FUEL	BACT
		VOC	0.0350 LB/MMBTU COMBUSTION CONTROL	BACT

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 03/01/1989

(CONTINUED) TRIGEN

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
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SAME PROCESS (CONTINUED)

NOTES -----

NATURAL GAS IS PRIMARY FUEL W/LOW S OIL AS BACK-UP. SOURCE IS LIMITED TO 25% OF BACK-UP FUEL. THIS PROJECT IS WITHIN AN AREA W
HICH IS PROHIBITED FROM INCREASING WATER USE & INCREASED STEAM INDICATION WAS
DEMONSTRATED AS UNAVAILABLE FOR THIS REASON.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 03/01/1989

APPENDIX -- DETAILED SOURCE LISTING

05/30/1990

SOURCE TYPE/SIZE NATURAL GAS TURBINES

COMPANY NAME/SITE LOCATION TROPICANA PRODUCTS, INC.

BRADENTON, FL

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. PSD-FL-136
DETERMINATION MADE BY FLORIDA DER, BAR
(AGENCY)

BARRY ANDREWS
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 05/30/89
ESTIMATED DATE OF START-UP-- 1990
(904)-488-1344
(PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
TURBINE, GAS	45.40 MM	NOX	42.0000 PPMDV AT 15% O2 STEAM INJECTION	BACT
		CO	10.0000 PPMDV AT 15% O2	BACT
BURNER, DUCT	104.00 MMBTU/H	NOX	0.1000 LB/MMBTU	BACT
		CO	0.1400 LB/MMBTU	BACT

NOTES -----
LIMITED TO FIRING NATURAL GAS ONLY.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 05/18/1990

APPENDIX -- DETAILED SOURCE LISTING

05/30/1990

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SOURCE TYPE/SIZE	NATURAL GAS TURBINES	45.00 MM

COMPANY NAME/SITE LOCATION	U.S. BORAX & CHEMICAL CORP.	BORON, CA

DETERMINATION IS BACT		DATE OF PERMIT ISSUANCE-- 02/20/87
PERMIT NO. SE 86-01		ESTIMATED DATE OF START-UP--
DETERMINATION MADE BY EPA REGION IX	LINH TRAN	(415)-974-7631
(AGENCY)	(AGENCY CONTACT PERSON)	(PHONE)

=====

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF

TURBINE, GAS	45.00 MM	NOX	40.0000 LB/H 25.0000 PPM AT 15% O2 DRY SCR WATER/STEAM INJECTION	
		CO	23.0000 LB/H PROPER COMBUST. TECHNIQUES	
		PM	12.0000 LB/H	
		VOC	6.0000 LB/H PROPER COMBUST. TECHNIQUES	

NOTES -----

PLANT WILL FIRE OIL AS BACK-UP FUEL. NOX AT 42 PPM AT 15% O2 DRY, SO2 AT 102 LB/H, CO AT 30 LB/H, PM AT 48 LB/H, & PM AT 19 LB/H. ALL LIMITS BASED ON 3 H AVERAGES

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 05/05/1987

05/30/1990

SOURCE TYPE/SIZE	NATURAL GAS TURBINES
100-150 MW	1
150-200 MW	1
200-250 MW	1
250-300 MW	1
300-350 MW	1
350-400 MW	1
400-450 MW	1
450-500 MW	1
500-550 MW	1
550-600 MW	1
600-650 MW	1
650-700 MW	1
700-750 MW	1
750-800 MW	1
800-850 MW	1
850-900 MW	1
900-950 MW	1
950-1000 MW	1
1000-1050 MW	1
1050-1100 MW	1
1100-1150 MW	1
1150-1200 MW	1
1200-1250 MW	1
1250-1300 MW	1
1300-1350 MW	1
1350-1400 MW	1
1400-1450 MW	1
1450-1500 MW	1
1500-1550 MW	1
1550-1600 MW	1
1600-1650 MW	1
1650-1700 MW	1
1700-1750 MW	1
1750-1800 MW	1
1800-1850 MW	1
1850-1900 MW	1
1900-1950 MW	1
1950-2000 MW	1
2000-2050 MW	1
2050-2100 MW	1
2100-2150 MW	1
2150-2200 MW	1
2200-2250 MW	1
2250-2300 MW	1
2300-2350 MW	1
2350-2400 MW	1
2400-2450 MW	1
2450-2500 MW	1
2500-2550 MW	1
2550-2600 MW	1
2600-2650 MW	1
2650-2700 MW	1
2700-2750 MW	1
2750-2800 MW	1
2800-2850 MW	1
2850-2900 MW	1
2900-2950 MW	1
2950-3000 MW	1
3000-3050 MW	1
3050-3100 MW	1
3100-3150 MW	1
3150-3200 MW	1
3200-3250 MW	1
3250-3300 MW	1
3300-3350 MW	1
3350-3400 MW	1
3400-3450 MW	1
3450-3500 MW	1
3500-3550 MW	1
3550-3600 MW	1
3600-3650 MW	1
3650-3700 MW	1
3700-3750 MW	1
3750-3800 MW	1
3800-3850 MW	1
3850-3900 MW	1
3900-3950 MW	1
3950-4000 MW	1
4000-4050 MW	1
4050-4100 MW	1
4100-4150 MW	1
4150-4200 MW	1
4200-4250 MW	1
4250-4300 MW	1
4300-4350 MW	1
4350-4400 MW	1
4400-4450 MW	1
4450-4500 MW	1
4500-4550 MW	1
4550-4600 MW	1
4600-4650 MW	1
4650-4700 MW	1
4700-4750 MW	1
4750-4800 MW	1
4800-4850 MW	1
4850-4900 MW	1
4900-4950 MW	1
4950-5000 MW	1
5000-5050 MW	1
5050-5100 MW	1
5100-5150 MW	1
5150-5200 MW	1
5200-5250 MW	1
5250-5300 MW	1
5300-5350 MW	1
5350-5400 MW	1
5400-5450 MW	1
5450-5500 MW	1
5500-5550 MW	1
5550-5600 MW	1
5600-5650 MW	1
5650-5700 MW	1
5700-5750 MW	1
5750-5800 MW	1
5800-5850 MW	1
5850-5900 MW	1
5900-5950 MW	1
5950-6000 MW	1
6000-6050 MW	1
6050-6100 MW	1
6100-6150 MW	1
6150-6200 MW	1
6200-6250 MW	1
6250-6300 MW	1
6300-6350 MW	1
6350-6400 MW	1
6400-6450 MW	1
6450-6500 MW	1
6500-6550 MW	1
6550-6600 MW	1
6600-6650 MW	1
6650-6700 MW	1
6700-6750 MW	1
6750-6800 MW	1
6800-6850 MW	1
6850-6900 MW	1
6900-6950 MW	1
6950-7000 MW	1
7000-7050 MW	1
7050-7100 MW	1
7100-7150 MW	1
7150-7200 MW	1
7200-7250 MW	1
7250-7300 MW	1
7300-7350 MW	1
7350-7400 MW	1
7400-7450 MW	1
7450-7500 MW	1
7500-7550 MW	1
7550-7600 MW	1
7600-7650 MW	1
7650-77	

COMPANY NAME/SITE LOCATION UNION COGENERATION

DETERMINATION IS	FOR A NEW SOURCE.	DATE OF PERMIT ISSUANCE--	01/17/86
PERMIT NO. 30810		ESTIMATED DATE OF START-UP--	1986
DETERMINATION MADE BY BAY AREA AQMD	STEVE HILL	(415)-771-6000	
(AGENCY)	(AGENCY CONTACT PERSON)	(PHONE)	

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
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TURBINE, GAS W/DUCT BURNER, 3 EA		16.00 MM			
	NOX	25.0000	PPMV AT 15% O2		
			H2O INJ. & SCR		
	CO	39.0000	LB/H		
		111.0000	T/YR		
			OXIDIZING CATALYST		80.00
	VOC	8.0000	LB/H		
		29.2000	T/YR		
			OXIDIZING CATALYST		7.00

NOTES -----
UNDER NORMAL CONDITIONS, TWO TURBINES WILL OPERATE WHILE ONE IS ON STANDBY.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 06/04/1986

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ID NUMBER CA-0155

SOURCE TYPE CODE 3.1

APPENDIX -- DETAILED SOURCE LISTING

05/30/1990

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SOURCE TYPE/SIZE	NATURAL GAS TURBINES	38.70 MW

COMPANY NAME/SITE LOCATION	UNIVERSITY CO-GENERATION LTD., 1983-I	BELLRIDGE OIL FIELD, CA

DETERMINATION IS	FOR A NEW SOURCE.	DATE OF PERMIT ISSUANCE-- 03/21/84
PERMIT NO. 4133001		ESTIMATED DATE OF START-UP--
DETERMINATION MADE BY KERN COUNTY APCD	TOM PAXSON	(805)-861-3682
(AGENCY)	(AGENCY CONTACT PERSON)	(PHONE)

=====

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF

TURBINE, GAS & BOILER, WASTE HE*	38.70 MW	NOX	199.0000 LB/D H2O INJECTION, SCR	97.00

NOTES -----

EMISSION LIMITS ALTERED TO REFLECT CHANGES RECEIVED 12/17/85. UNIT WILL OPERATE 24 H/D, 7 D/WK, 52 WK/YR.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 12/17/1985

APPENDIX -- DETAILED SOURCE LISTING

05/30/1990

=====

SOURCE TYPE/SIZE	NATURAL GAS TURBINES

COMPANY NAME/SITE LOCATION	WESTERN POWER SYSTEM, INC. , CA FRESNO COUNTY

DETERMINATION IS FOR A NEW SOURCE.	DATE OF PERMIT ISSUANCE-- 03/15/86
PERMIT NO. 3060080101	ESTIMATED DATE OF START-UP-- 1987
DETERMINATION MADE BY FRESNO COUNTY APCD	(209)-443-3239
(AGENCY)	(PHONE)
SIMEON BUGAY	
(AGENCY CONTACT PERSON)	

=====

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF

TURBINE, GAS FIRED, GE LM2500	26.50 MW	NOX	9.0000 PPMVD AT 15% O2 H2O INJECTION, SELECTIVE CAT. REDUCTION	80.00

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 02/19/1987

APPENDIX -- DETAILED SOURCE LISTING

05/30/1990

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SOURCE TYPE/SIZE

NATURAL GAS TURBINES

COMPANY NAME/SITE LOCATION

WILLAMETTE INDUSTRIES

, CA

DETERMINATION IS

FOR A MODIFIED SOURCE.

DATE OF PERMIT ISSUANCE-- 04/26/85

PERMIT NO. 0157-2

ESTIMATED DATE OF START-UP--

DETERMINATION MADE BY VENTURA COUNTY APCD

KEITH DUVAL
(AGENCY CONTACT PERSON)

(805)-654-2845

(AGENCY)

(PHONE)

=====

PROCESSES SUBJECT
TO THIS PERMITTHROUGHPUT
CAPACITYPOLLUTANT
EMITTED

EMISSION LIMITS

CONTROL EQUIPMENT OR PROCESS MODIFICATION

... & BASIS

... PCT EFF

TURBINE, GAS, GE LM-2500-33

230.00 MMBTU/H

NOX

15.0000 PPMVD AT 15% O2

H2O INJ. W/SELECTIVE CATALYTIC REDUCTION

92.00

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 06/04/1986

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ID NUMBER CA-0144

SOURCE TYPE CODE 3.1

APPENDIX -- DETAILED SOURCE LISTING

05/30/1990

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=====
SOURCE TYPE/SIZE      NATURAL GAS TURBINES      350.00 MMBTU/H
-----
COMPANY NAME/SITE LOCATION  MITCO CHEMICAL CORP.      OILDALE, CA
-----
DETERMINATION IS BACT FOR A NEW SOURCE.      DATE OF PERMIT ISSUANCE-- 12/19/84
PERMIT NO. SJ 83-07      ESTIMATED DATE OF START-UP-- 1985
DETERMINATION MADE BY EPA REGION IX      (415)-974-8218
      (AGENCY)      JIM HANSON      (PHONE)
      (AGENCY CONTACT PERSON)
=====
  
```

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
TURBINE	350.00 MMBTU/H	SO2	0.2500 % S	
		NOX	0.1800 LB/MMBTU OIL	
			0.2000 LB/MMBTU GAS	
BURNER, DUCT	111.60 MMBTU/H	NOX	0.1200 LB/MMBTU GAS FIRING ONLY	

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 05/10/1986

APPENDIX -- DETAILED SOURCE LISTING

05/30/1990

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SOURCE TYPE/SIZE	NATURAL GAS COMPRESSORS	1800.00 HP

COMPANY NAME/SITE LOCATION	ANR PRODUCTION CO.	TACOMA, VA
		WISE COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
 PERMIT NO. 11064
 DETERMINATION MADE BY VIRGINIA SAPCB
 (AGENCY)

JAMES LEHAN
 (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 03/03/88
 ESTIMATED DATE OF START-UP-- 1988
 (804)-786-5783
 (PHONE)

=====

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF

COMPRESSOR, NAT GAS, 3 EA	600.00 HP			
		VOC	0.6600 LB/H 2.9000 T/YR CATALYTIC CONVERTER	90.00
		NOX	1.6000 LB/H 7.2000 T/YR CATALYTIC CONVERTER	90.00
		CO	3.2000 LB/H 14.0000 T/YR CATALYTIC CONVERTER	90.00

NOTES -----
 CONSTRUCTION OF A NATURAL GAS COMPRESSOR STATION.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 06/22/1988

APPENDIX -- DETAILED SOURCE LISTING

05/30/1990

SOURCE TYPE/SIZE NATURAL GAS COMPRESSORS

COMPANY NAME/SITE LOCATION CONSOLIDATED GAS TRANSMISSION CORP. , PA

DETERMINATION IS BACT FOR A NEW SOURCE.
 PERMIT NO. 59-399-008
 DETERMINATION MADE BY PENNSYLVANIA DER
 (AGENCY)

BILL SCHILDT
 (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 05/10/88
 ESTIMATED DATE OF START-UP--
 (717)-787-9256
 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
ENGINE, DRESSER-RAND, 2 EA	4200.00 HP	NOX	3.0000 G/HP-H	BACT
		CO	2.0000 G/HP-H	BACT
		VOC	0.5000 G/HP-H	BACT

NOTES -----
 AIR TO FUEL RATIO IS 4.5 TO 1

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 06/22/1988

APPENDIX -- DETAILED SOURCE LISTING

05/30/1990

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SOURCE TYPE/SIZE	NATURAL GAS COMPRESSORS	2850.00 HP

COMPANY NAME/SITE LOCATION	NATIONAL FUEL GAS SUPPLY CORP.	ALLEGHENY TOWNSHIP, PA
		POTTER COUNTY

DETERMINATION IS BACT		DATE OF PERMIT ISSUANCE-- 02/01/88
PERMIT NO. 53-399-002		ESTIMATED DATE OF START-UP--
DETERMINATION MADE BY PENNSYLVANIA DER	BILL SCHILDT	(717)-787-9256
(AGENCY)	(AGENCY CONTACT PERSON)	(PHONE)

=====

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF

ENGINE, 412 KVE-1, DRESSER RAND	2850.00 HP			
		NOX	3.0000 G/BHP-H CLEAN BURN	BACT
		CO	3.0000 G/BHP-HR	BACT
		VOC	1.0000 G/BHP-H	BACT

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 03/31/1988

APPENDIX -- DETAILED SOURCE LISTING

05/30/1990

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SOURCE TYPE/SIZE	NATURAL GAS COMPRESSORS	6000.00 HP

COMPANY NAME/SITE LOCATION	NATIONAL FUEL GAS SUPPLY CORP. ELLISBURG C.S.	ALLEGANY TWP., PA POTTER COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE. PERMIT NO. 53-329-001 DETERMINATION MADE BY PENNSYLVANIA BAQC (AGENCY)	RICHARD MAXWELL (AGENCY CONTACT PERSON)	DATE OF PERMIT ISSUANCE-- 06/13/89 ESTIMATED DATE OF START-UP-- 1991 (717)-327-3637 (PHONE)

=====

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF

ENGINE, RECIP., 2	3000.00 HP	NOX	2.0000 G/BHP-H 13.2000 LB/H RICH PRE-IGNITION CHAMBER	BACT
		CO	2.3000 G/BHP-H 4.9500 LB/H	
		NMHC	31.2000 T/YR	

NOTES -----

OPERATING HOURS LIMIT OF 12600 H/YR TOTAL FOR BOTH COMPRESSORS. STACK TESTS FOR NOX, CO, & NON-METHANE VOC. EMISSION LIMITS FROM APP - 0.08 TPY SO₂ & 1.29 TPY PM₁₀, BOTH ENGINES COMBINED.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 08/31/1989

APPENDIX -- DETAILED SOURCE LISTING

05/30/1990

SOURCE TYPE/SIZE NATURAL GAS COMPRESSORS

COMPANY NAME/SITE LOCATION NATURAL GAS PIPELINE CO. GENESEA, IL

DETERMINATION IS BACT FOR A NEW SOURCE.

PERMIT NO. 85100014

DETERMINATION MADE BY ILLINOIS EPA
(AGENCY)

C. ROMAIN
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 03/01/89

ESTIMATED DATE OF START-UP-- 1989

(217)-782-2113

(PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
ENGINE, MLV-10, 4 EA	4000.00 HP	CO	5.0000 G/BHP-H 44.1000 LB/H DESIGN & OPERATING PRACTICES	BACT
		NOX	9.0000 G/BHP-H 79.4000 LB/H DESIGN & OPERATING PRACTICES	BACT
BOILER, NAT GAS FIRED	8.40 MMBTU/H	NOX	0.1000 LB/MMBTU	BACT
		CO	0.0200 LB/MMBTU	BACT

NOTES -----

BACT FOR NOX IS "ASSOCIATED WITH" BACT FOR CO. BACT NOT INDEPENDENTLY REQUIRED FOR NOX, BECAUSE PROJECT WAS NOT A MAJOR MODIFICATION FOR NOX. ENGINES ARE REFURBISHED EXISTING ENGINES WHICH WERE RELOCATED TO A NEW SIDE.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 05/18/1990

APPENDIX -- DETAILED SOURCE LISTING

05/30/1990

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SOURCE TYPE/SIZE	NATURAL GAS COMPRESSORS		
COMPANY NAME/SITE LOCATION	NORTHERN NATURAL GAS WATERLOO COMPRESSOR STATION	WATERLOO, IA	BLACKHAWK COUNTY

=====

DETERMINATION IS BACT FOR A NEW SOURCE. PERMIT NO. DETERMINATION MADE BY EPA REGION VII (AGENCY)	JON KNODEL (AGENCY CONTACT PERSON)	DATE OF PERMIT ISSUANCE-- 02/04/86 ESTIMATED DATE OF START-UP-- (913)-551-7020 (PHONE)
---	---------------------------------------	---

=====

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
I.C. ENGINE, RECIP., 2 EA	4000.00 HP	NOX	250.0000 PPM, 15% O2 ENGINE DESIGN	BACT
		VOC	300.0000 PPM, 15% O2	BACT
		CO	540.0000 PPM, 15% O2	BACT

NOTES -----
EITHER OF TWO ENGINE SETS APPROVED, TWO IDENTICAL IC ENGINES PER SET. THE VOC & CO STDS APPLY TO ONE OF THE ENGINE SET ALTERNATIVES BUT NOT THE OTHER

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 09/11/1987

APPENDIX -- DETAILED SOURCE LISTING

05/30/1990

=====

SOURCE TYPE/SIZE

NATURAL GAS COMPRESSORS

COMPANY NAME/SITE LOCATION

SHELL CALIFORNIA PRODUCTION

, CA

DETERMINATION IS

FOR A MODIFIED SOURCE.

DATE OF PERMIT ISSUANCE-- 12/02/85

PERMIT NO. 0041-6

ESTIMATED DATE OF START-UP-- 1986

DETERMINATION MADE BY VENTURA COUNTY APCD

KEITH DUVAL
(AGENCY CONTACT PERSON)(805)-654-2845
(PHONE)

(AGENCY)

=====

PROCESSES SUBJECT
TO THIS PERMITTHROUGHPUT
CAPACITYPOLLUTANT
EMITTEDEMISSION LIMITS
CONTROL EQUIPMENT OR PROCESS MODIFICATION... & BASIS
... PCT EFF

ENGINE, I.C., CATERPILLER MODEL*

225.00 BHP

NOX

50.0000 PPMVD

0.8050 G/HP-H

NON-SELECTIVE CATALYTIC REDUCTION

90.00

NOTES -----

ENGINE USED AS A VAPOR RECOVERY COMPRESSOR. NOX LIMIT IS LEAST RESTRICTIVE OF THE TWO LIMITS & THE PERCENTAGE EFFICIENCY.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 06/04/1986

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ID NUMBER CA-0078B

SOURCE TYPE CODE 3.2

APPENDIX -- DETAILED SOURCE LISTING

05/30/1990

SOURCE TYPE/SIZE NATURAL GAS COMPRESSORS

COMPANY NAME/SITE LOCATION SHELL CALIFORNIA PRODUCTION CO.

, CA

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 147853DETERMINATION MADE BY SOUTH COAST AQMD
(AGENCY)VIJI SADASIVAN
(AGENCY CONTACT PERSON)DATE OF PERMIT ISSUANCE-- 11/14/84
ESTIMATED DATE OF START-UP-- 1986
(818)-572-6214
(PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
ENGINE, I.C., #27	600.00 HP	NOX	100.0000 LB/D SELECTIVE CATALYTIC REDUCTION	BACT 70.00

NOTES -----

WE HAVE REISSUED THIS P/C TO THE NEW OPERATORS BECAUSE THE PREVIOUS OPERATOR, PERMIT #127125, DID NOT SUBMIT COMPLETE INFORMATION FOR AQMD TO EVALUATE FOR P/O. REISSUANCE FOR P/C WAS IN OCTOBER OF 1986.
INSTALLED CONTROL EQUIPMENT COST WAS APPROX. 100000 DOLLARS.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 06/02/1988

APPENDIX -- DETAILED SOURCE LISTING

05/30/1990

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SOURCE TYPE/SIZE

NATURAL GAS COMPRESSORS

COMPANY NAME/SITE LOCATION

SOUTHERN NATURAL GAS CO.

GALLION, AL

DETERMINATION IS BACT FOR A NEW SOURCE.

PERMIT NO. 406-0003-X002

DETERMINATION MADE BY ALABAMA DEM

(AGENCY)

SUE ROBERTSON
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 02/19/88

ESTIMATED DATE OF START-UP-- 1989

(205)-271-7861

(PHONE)

=====

PROCESSES SUBJECT
TO THIS PERMITTHROUGHPUT
CAPACITYPOLLUTANT
EMITTEDEMISSION LIMITS
CONTROL EQUIPMENT OR PROCESS MODIFICATION... & BASIS
... PCT EFF

ENGINE, RECIP., GAS FIRED

4160.00 BHP

NOX

2.2000 G/HP-H
CLEAN BURN ENGINE

BACT

NOTES -----

STACK TEST TO PROVE COMPLIANCE WITH BACT LIMIT REQUIRED AFTER PROPER DEBUGGING, -- UP TO NINTY DAYS.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 09/30/1988

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ID NUMBER AL-0012A

SOURCE TYPE CODE 3.2

APPENDIX -- DETAILED SOURCE LISTING

05/30/1990

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=====
SOURCE TYPE/SIZE      NATURAL GAS COMPRESSORS      4000.00 BHP
-----
COMPANY NAME/SITE LOCATION  WESTERN GAS PROCESSORS, LTD.      , ND      BILLINGS COUNTY
-----
DETERMINATION IS      DATE OF PERMIT ISSUANCE-- 09/11/84
PERMIT NO.      ESTIMATED DATE OF START-UP-- 1985
DETERMINATION MADE BY NORTH DAKOTA SHD      GARY HELBLING      (701)-224-2348
      (AGENCY)      (AGENCY CONTACT PERSON)      (PHONE)
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PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
I.C. ENGINE, GAS FIRED, 4	4000.00 BHP	NOX	2.2000 LB/H PER ENGINE	BACT
		CO	3.1000 LB/H PER ENGINE	SIP
		VOC	0.9700 LB/H PER ENGINE	SIP

NOTES -----
 ENGINES WERE INSTALLED AT WESTERN GAS PROCESSORS, LTD, NATURAL GAS PROCESSING PLANT. ENGINES WERE AN EXPANSION TO THE PLANT.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 04/24/1989

APPENDIX -- DETAILED SOURCE LISTING

05/30/1990

SOURCE TYPE/SIZE NATURAL GAS COMPRESSORS

COMPANY NAME/SITE LOCATION XIOX CORP.

RINGGOLD TOWNSHIP, PA

JEFFERSON COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 33-399-004
DETERMINATION MADE BY PENNSYLVANIA BAQC
(AGENCY)

WILLIAM CHARLTON
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 10/31/88
ESTIMATED DATE OF START-UP-- 1989
(412)-645-7100
(PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
ENGINE, I.C., 3 EA	6968.00 HP	NOX CO	5.0000 G/BHP-H CATALYTIC CONVERTER	BACT 90.00

NOTES -----

DUAL FUEL, NAT GAS/DIESEL, FIRED COOPER BESSEMER ENGINES.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 06/01/1989

APPENDIX -- DETAILED SOURCE LISTING

05/30/1990

=====

SOURCE TYPE/SIZE	OTHER INTERNAL COMBUSTION	138.00 MMBTU/H

COMPANY NAME/SITE LOCATION	AMERICAN COGENERATION CORP.	, CA
		KERN COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.		DATE OF PERMIT ISSUANCE-- 09/12/85
PERMIT NO. 4147002A THRU 007A		ESTIMATED DATE OF START-UP--
DETERMINATION MADE BY KERN COUNTY APCD	TOM PAXSON	(805)-861-3682
(AGENCY)	(AGENCY CONTACT PERSON)	(PHONE)

=====

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF

TURBINE, DUAL FUEL, 6 EA	23.00 MMBTU/H	NO2	10.0000 PPM, DRY AT 15% O2, GAS 90.0000 PPM, DRY AT 15% O2, OIL SELECTIVE CATALYTIC REDUCTION	BACT 87.00

NOTES -----

GAS FIRING CAPABILITY WAS ADDED TO THE TURBINE. OPERATES 24 H/D, 365 D/YR

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 11/25/1985

APPENDIX -- DETAILED SOURCE LISTING

05/30/1990

=====

SOURCE TYPE/SIZE	OTHER INTERNAL COMBUSTION

COMPANY NAME/SITE LOCATION	AMERICAN COGENERATION TECHNOLOGY, CA

DETERMINATION IS FOR A NEW SOURCE.	DATE OF PERMIT ISSUANCE-- 09/16/85
PERMIT NO. A/C 3204 & 3277	ESTIMATED DATE OF START-UP--
DETERMINATION MADE BY MONTEREY BAY UNIFIED APCD	(408)-443-1135
(AGENCY)	(PHONE)
FRED THOITS	
(AGENCY CONTACT PERSON)	

=====

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF

TURBINE, GAS, 2 EA, W/WASTE HEA*	220.40 MMBTU/H	NOX	17.0000 PPMV AT 15% O2 15.4000 LB/D TOTAL H2O INJ. & SCR	60.00

NOTES -----

BOILER NOX EMISSION LIMITS ARE TENTATIVE.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 06/04/1986

APPENDIX -- DETAILED SOURCE LISTING

05/30/1990

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=====
SOURCE TYPE/SIZE      OTHER INTERNAL COMBUSTION      53.00 MW
-----
COMPANY NAME/SITE LOCATION  CAROLINA COGENERATION CO., INC.      NEW BERN, NC      CRAVEN COUNTY
-----
DETERMINATION IS BACT FOR A NEW SOURCE.      DATE OF PERMIT ISSUANCE-- 07/11/86
PERMIT NO. 5872      ESTIMATED DATE OF START-UP-- 1987
DETERMINATION MADE BY NORTH CAROLINA DEM      (919)-733-3340
      (AGENCY)      MIKE SEMELL      (PHONE)
      (AGENCY CONTACT PERSON)
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PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
TURBINE, GAS, PEAT FIRED	416.00 MMBTU/H	NOX	125.0000 PPMV SELECTIVE CATALYTIC REDUCTION	71.00
		SO2	151.3000 LB/H LOW S FUEL, PEAT	
		PM	10.1900 LB/H CYCLONES H2O QUENCH, METAL FILTERS	99.50
		CO	34.5900 LB/H PROPER OPERATION	
DRYER, PEAT FIRED	103232.00 LB/H	PM	0.0200 GR/DSCF DYNAMIC WET SCRUBBER	98.00

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 04/01/1987

APPENDIX -- DETAILED SOURCE LISTING

05/30/1990

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=====
SOURCE TYPE/SIZE      OTHER INTERNAL COMBUSTION
-----
COMPANY NAME/SITE LOCATION  CITIZENS UTILITIES CO.      ELEELE, HI      KAUAI COUNTY
                           KAUAI ELEC. DIV./PORT ALLEN GENERATING *
-----
DETERMINATION IS      DATE OF PERMIT ISSUANCE-- 09/19/89
PERMIT NO. HI 88-04    ESTIMATED DATE OF START-UP-- 1990
DETERMINATION MADE BY HAWAII DOH      TYLER SUGIHARA      (808)-543-8200
                           (AGENCY)      (AGENCY CONTACT PERSON)      (PHONE)
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=====
PROCESSES SUBJECT      THROUGHPUT      POLLUTANT      EMISSION LIMITS      ... & BASIS
TO THIS PERMIT          CAPACITY        EMITTED        CONTROL EQUIPMENT OR PROCESS MODIFICATION ... PCT EFF
-----
ENGINE, I.C., DIESEL FIRED, 4 EA      7.86 MM
                                         NOX      590.0000 PPM, DRY AT 15% O2, FULL LOAD      BACT
                                         605.0000 PPM DRY AT 15% O2, 75-99.99% LOAD
                                         VARIABLE FITR      18.60
                                         NOX      667.0000 PPM, DRY AT 15% O2, 50-74.99% LOAD      BACT
                                         342.7800 LB/H, 3H AVG
                                         VARIABLE FITR      18.60
                                         SO2      95.0000 PPM, DRY AT 15% O2      BACT
                                         77.1200 LB/H, 3H AVG
                                         0.5% BY WT FUEL S CONTENT, MAX
                                         CO      113.0000 PPM, DRY AT 15% O2, FULL LOAD      BACT
                                         169.0000 PPM, DRY AT 15% O2, 75-99.99% LOAD
                                         CO      197.0000 PPM, DRY AT 15% O2, 50-74.99% LOAD      BACT
                                         39.7800 LB/H, 3H AVG
                                         PM      0.0650 LB/MMBTU, FULL LOAD      BACT
                                         0.0950 LB/MMBTU, 75-99.99% LOAD
                                         PM      0.1200 LB/MMBTU, 50-74.99% LOAD      BACT
                                         9.5000 LB/H, 3H AVG
=====

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NOTES -----

MAXIMUM OF TWO DIESEL ENGINE GENERATORS OPERATING AT ANY ONE TIME. FUEL CONSUMPTION SHALL NOT EXCEED 20332 GALS/DAY & 7.42 MMG ALS/YR.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 12/31/1989

APPENDIX -- DETAILED SOURCE LISTING

05/30/1990

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=====
SOURCE TYPE/SIZE      OTHER INTERNAL COMBUSTION
-----
COMPANY NAME/SITE LOCATION  CITY OF VENTURA WASTEWATER TREATMENT PL*          VENTURA, CA
-----
DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. 1379-1
DETERMINATION MADE BY VENTURA COUNTY APCD          KEITH DUVAL          DATE OF PERMIT ISSUANCE-- 12/31/86
(AGENCY)          (AGENCY CONTACT PERSON)          ESTIMATED DATE OF START-UP--
                                           (805)-654-2845
                                           (PHONE)
=====
  
```

```

=====
PROCESSES SUBJECT      THROUGHPUT      POLLUTANT      EMISSION LIMITS      ... & BASIS
TO THIS PERMIT          CAPACITY        EMITTED        CONTROL EQUIPMENT OR PROCESS MODIFICATION ... PCT EFF
-----
ENGINE, I.C.            773.00 BHP
                        NOX            2.0000 GR/BHP-H
                        ENGINE DESIGN
  
```

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 05/05/1987

APPENDIX -- DETAILED SOURCE LISTING

05/30/1990

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=====
SOURCE TYPE/SIZE      OTHER INTERNAL COMBUSTION      1100.00 HP
-----
COMPANY NAME/SITE LOCATION  COGENERATION PARTNERS OF AMERICA      TOLEDO, OH
-----
DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 04-457
DETERMINATION MADE BY TOLEDO ENVIRONMENTAL SERVICES      DALE KRYGIELSKI
      (AGENCY)      (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 04/06/88
ESTIMATED DATE OF START-UP-- 1989
(419)-693-0350
      (PHONE)
=====

```

```

=====
PROCESSES SUBJECT      THROUGHPUT      POLLUTANT      EMISSION LIMITS      ... & BASIS
TO THIS PERMIT      CAPACITY      EMITTED      CONTROL EQUIPMENT OR PROCESS MODIFICATION      ... PCT EFF
-----
I.C. ENGINE, COGENERATION      9.62 MMBTU/H
      PM      0.0200 LB/MMBTU      CLEAN BURN TECHNOLOGY      BACT
      SO2      8.3000 EE-4 LB/MMBTU      CLEAN BURN TECHNOLOGY      BACT
      NOX      0.6800 LB/MMBTU      CLEAN BURN TECHNOLOGY      BACT
      5.9200 LB/H
      VOC      0.2100 LB/MMBTU      CLEAN BURN TECHNOLOGY      BACT
      1.8200 LB/H
      CO      0.7400 LB/MMBTU      CLEAN BURN TECHNOLOGY      BACT
      6.4800 LB/H
      CLEAN BURN TECHNOLOGY
=====

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(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 04/24/1989

APPENDIX -- DETAILED SOURCE LISTING

05/30/1990

=====

SOURCE TYPE/SIZE	OTHER INTERNAL COMBUSTION	6.50 MW

COMPANY NAME/SITE LOCATION	COGENERATION RESOURCE, INC.	, CA
		KERN COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.		DATE OF PERMIT ISSUANCE-- 11/25/87
PERMIT NO. 4181001-005		ESTIMATED DATE OF START-UP--
DETERMINATION MADE BY KERN COUNTY APCD	TOM PAXSON	(805)-861-3682
(AGENCY)	(AGENCY CONTACT PERSON)	(PHONE)

=====

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF

TURBINE, DUAL FUEL, 5 EA	1.30 MW	NOX	0.0700 LB/MMBTU SELECTIVE CATALYTIC REDUCTION AMMONIA REDUCING AGENT	92.00

NOTES -----
DUAL FUEL TURBINES - CRUDE OIL & GAS

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 12/23/1987

APPENDIX -- DETAILED SOURCE LISTING

05/30/1990

=====

SOURCE TYPE/SIZE

OTHER INTERNAL COMBUSTION

COMPANY NAME/SITE LOCATION

GENERAL MOTORS CORP., PROVING GROUNDS

MILFORD, MI

DETERMINATION IS BACT FOR A NEW SOURCE.

PERMIT NO. 27-84

DETERMINATION MADE BY MICHIGAN DNR

(AGENCY)

KENNETH TERRY

(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 03/14/84

ESTIMATED DATE OF START-UP-- 1983

(517)-373-7023

(PHONE)

=====

PROCESSES SUBJECT
TO THIS PERMITTHROUGHPUT
CAPACITYPOLLUTANT
EMITTED

EMISSION LIMITS

CONTROL EQUIPMENT OR PROCESS MODIFICATION ... & BASIS

... PCT EFF

DYNAMOMETER, CAR/TRUCK TESTING

VE

20.0000 % OPACITY

FILTER TOWER, SEE NOTE

NOTES -----

ONLY BEING USED WHEN 5 OR MORE ENGINES ARE SIMULTANEOUSLY RUNNING OR AN OPACITY PROBLEM EXISTS, OR APPROXIMATELY 1/2 HR PER DAY & 3 1/2 HR PER WEEK.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 05/01/1990

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ID NUMBER MI-0026A

SOURCE TYPE CODE 3.3

05/30/1990

OTHER INTERNAL COMBUSTION

, CA

ESTIMATED DATE OF START-UP-- 1985

(415)-771-6000
(PHONE)

DATE ENTERED/UPDATED: 06/04/1986

APPENDIX -- DETAILED SOURCE LISTING

05/30/1990

SOURCE TYPE/SIZE

OTHER INTERNAL COMBUSTION

COMPANY NAME/SITE LOCATION

GREENS CREEK MINING CO.

ADMIRALTY ISLAND, AK

DETERMINATION IS BACT FOR A NEW SOURCE.

PERMIT NO. 8712-AA003

DETERMINATION MADE BY ALASKA DEC

(AGENCY)

JON SANDSTEDT

(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 09/10/87

ESTIMATED DATE OF START-UP-- 1988

(907)-465-2666

(PHONE)

PROCESSES SUBJECT
TO THIS PERMITTHROUGHPUT
CAPACITYPOLLUTANT
EMITTEDEMISSION LIMITS
CONTROL EQUIPMENT OR PROCESS MODIFICATION ... & BASIS
... PCT EFF

ENGINE, DIESEL, 3 EA

2300.00 KW

NOX

1075.0000 PPMVD AT 15% O2

BACT

SO2

0.2000 % S FUEL CONTENT, MAX

BACT

PM

20.0000 % OPACITY, 3 MIN/H

BACT

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 06/22/1988

APPENDIX -- DETAILED SOURCE LISTING

05/30/1990

SOURCE TYPE/SIZE OTHER INTERNAL COMBUSTION

COMPANY NAME/SITE LOCATION GSF ENERGY, INC. , CA
OII LANDFILL

DETERMINATION IS BACT FOR A NEW SOURCE.

PERMIT NO. 129631,33,34,35

DETERMINATION MADE BY SOUTH COAST AQMD
(AGENCY)TED KOWALCZYK
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 11/13/86

ESTIMATED DATE OF START-UP-- 1987

(818)-572-6186

(PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
ENGINE, I.C., 4 TOTAL	8775.00 BHP	NOX	245.0000 LB/D 0.8000 G/BHP-H CLEAN BURN ENGINE	BACT

NOTES -----

PROJECT CANCELED. NOX EMISSION SHALL NOT EXCEED 245 LB/D & 0.5 G/BHP-H FOR THE 2650 BHP, 0.8 G/BHP-H FOR THE 825 BHP.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 06/02/1988

APPENDIX -- DETAILED SOURCE LISTING

05/30/1990

SOURCE TYPE/SIZE

OTHER INTERNAL COMBUSTION

COMPANY NAME/SITE LOCATION HAWAII ELECTRIC LIGHT CO., INC.

KEAHOLE, HI

DETERMINATION IS BACT

PERMIT NO. HI 85-03

DETERMINATION MADE BY HAWAII DOH

(AGENCY)

NOLAN HIRAI

(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 11/17/87

ESTIMATED DATE OF START-UP-- 1988

(808)-548-6410

(PHONE)

PROCESSES SUBJECT
TO THIS PERMITTHROUGHPUT
CAPACITYPOLLUTANT
EMITTEDEMISSION LIMITS
CONTROL EQUIPMENT OR PROCESS MODIFICATION... & BASIS
... PCT EFF

ENGINE, I.C., 3 EA

2.50 MM

NOX

600.0000 PPM, DRY AT 15% O2
68.4000 LB/H, 3H AVG

BACT

4 DEG IGNITION RETARD

20.00

SO2

0.5000 % SULFUR BY WT., MAX

BACT

VE

20.0000 % OPACITY

SIP

ENGINE, I.C.

2.50 MM

NOX

600.0000 PPM, DRY AT 15% O2
68.4000 LB/H, 3H AVG

BACT

4 DEG IGNITION RETARD

20.00

SO2

0.5000 % SULFUR BY WT., MAX

BACT

#2 FUEL OIL

VE

20.0000 % OPACITY

SIP

NOTES -----

PROVISION TO LOWER NOX EMISSION LIMIT, 800 PPM, 91.2 LB/H, BASED ON INITIAL STACK PERFORMANCE TEST RESULTS.

NOX LIMIT WAS REDUCED DUE TO THE RESULTS OF THE INITIAL PERFORMANCE TEST. AMENDED 03/14/89.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 06/01/1989

APPENDIX -- DETAILED SOURCE LISTING

05/30/1990

SOURCE TYPE/SIZE OTHER INTERNAL COMBUSTION

COMPANY NAME/SITE LOCATION HAWAII ELECTRIC LIGHT CO., INC.

KEAHOLE, HI

DETERMINATION IS BACT

PERMIT NO. HI 88-01

DETERMINATION MADE BY HAWAII DOH
(AGENCY)

NOLAN HIRAI
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 06/29/89

ESTIMATED DATE OF START-UP-- 1989

(808)-548-6410

(PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
TURBINE, OIL FIRED	18.00 MW			
		NOX	34.8000 LB/H	BACT
			42.0000 PPMVD AT 15% O2	
			WATER INJECTION	89.00
		SO2	110.0000 LB/H	BACT
			95.4000 PPMVD AT 15% O2	
			0.5% S BY WT., MAX	

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 08/31/1989

APPENDIX -- DETAILED SOURCE LISTING

05/30/1990

```

=====
SOURCE TYPE/SIZE      OTHER INTERNAL COMBUSTION      7.50 MW
-----
COMPANY NAME/SITE LOCATION  HAWAIIAN ELECTRIC      , HI
                           KEAHOLA GENERATING STATION
-----
DETERMINATION IS BACT FOR A NEW SOURCE.      DATE OF PERMIT ISSUANCE-- 05/08/84
PERMIT NO. HI 83-03      ESTIMATED DATE OF START-UP-- 1984
DETERMINATION MADE BY EPA REGION IX      (415)-974-8218
                           JIM HANSON      (PHONE)
                           (AGENCY)      (AGENCY CONTACT PERSON)
=====

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=====
PROCESSES SUBJECT      THROUGHPUT      POLLUTANT      EMISSION LIMITS      ... & BASIS
TO THIS PERMIT      CAPACITY      EMITTED      CONTROL EQUIPMENT OR PROCESS MODIFICATION      ... PCT EFF
-----
ENGINE, I.C., 3      3950.00 BHP
                           NOX      1158.0000 PPM AT 15% O2
                           INJ. TIMING RETARD 4 DEG      20.00
                           SO2      0.5000 % S FUEL
=====

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(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 05/10/1986

APPENDIX -- DETAILED SOURCE LISTING

05/30/1990

SOURCE TYPE/SIZE OTHER INTERNAL COMBUSTION

COMPANY NAME/SITE LOCATION KALAELOE PARTNERS, L.P. , HI

DETERMINATION IS BACT FOR A NEW SOURCE.
 PERMIT NO. HI 88-03
 DETERMINATION MADE BY HAWAII DOH
 (AGENCY)

TYLER SUGIHARA
 (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 03/09/90
 ESTIMATED DATE OF START-UP-- 1990
 (808)-543-8200
 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
TURBINE, LSFO, 2	1800.00 MMBTU/H, TO*	NOX	483.0000 LB/H 130.0000 PPM STEAM INJECTION, 1.3 TO 1 STEAM TO FUEL RATIO	BACT 77.20
		SO2	488.0000 LB/H 98.0000 PPM	BACT
		VOC	1.0000 PPM AT > 80% LOAD 2.0000 PPM AT < 80% LOAD	BACT
		CO	SEE NOTES	BACT
		PM/*	80.0000 LB/H 0.0180 GR/DSCF	BACT

NOTES -----
 TWO COMBINED CYCLE TURBINES W/ INDIVIDUAL STACKS. PPM EMISSION LIMITS ARE CORRECTED TO 15% O2. CO LIMITS FOR TURBINE ARE - 40 LB/H OR 30 PPM AT <60% LOAD, 35 LB/H OR 25 PPM AT 60-80% LOAD, & 30 LB/H OR 14 PPM AT >80% LOAD.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 04/30/1990

APPENDIX -- DETAILED SOURCE LISTING

05/30/1990

SOURCE TYPE/SIZE

OTHER INTERNAL COMBUSTION

COMPANY NAME/SITE LOCATION

KEY WEST ELECTRIC SYSTEM

, FL

DETERMINATION IS BACT FOR A NEW SOURCE.

PERMIT NO. PSD-FL-135

DETERMINATION MADE BY FLORIDA DER, BAR
(AGENCY)BARRY ANDREWS
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 06/05/89

ESTIMATED DATE OF START-UP-- 1990

(904)-488-1344

(PHONE)

PROCESSES SUBJECT
TO THIS PERMITTHROUGHPUT
CAPACITYPOLLUTANT
EMITTED

EMISSION LIMITS

CONTROL EQUIPMENT OR PROCESS MODIFICATION

... & BASIS

... PCT EFF

ENGINE, I.C., DIESEL FIRED, 2 EA 13266.00 HP

NOX

6.0000 G/HP-H

BACT

TIMING RETARDATION

SO2

0.5000 % SULFUR FUEL

BACT

PM10

0.1000 LB/MMBTU

BACT

CO

2.0000 G/HP-H

BACT

VOC

1.0000 G/HP-H

BACT

NOTES -----

FACILITY LIMITED TO 1870 FULL LOAD EQUIVALENT HOURS, 3740 FULL LOAD EQUIV ENGINE HOURS, OPERATION PER YEAR. PM10, CO, & VOC EMISSION LIMITATIONS ARE MAXIMUM ALLOWABLES & ARE SUBJECT TO CHANGE BASED ON STACK TESTING RESULTS.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 05/18/1990

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ID NUMBER FL-0040

SOURCE TYPE CODE 3.3

APPENDIX -- DETAILED SOURCE LISTING

05/30/1990

=====

SOURCE TYPE/SIZE

OTHER INTERNAL COMBUSTION

COMPANY NAME/SITE LOCATION

LAJET ENERGY CO.
CUMMINS POWER GEN.

, CA

DETERMINATION IS FOR A NEW SOURCE.

PERMIT NO. 850905 & 850906

DETERMINATION MADE BY SAN DIEGO COUNTY APCD
(AGENCY)CRAIG ANDERSON
(AGENCY CONTACT PERSON)DATE OF PERMIT ISSUANCE-- 07/17/86
ESTIMATED DATE OF START-UP-- 1987
(619)-694-3318
(PHONE)

=====

PROCESSES SUBJECT
TO THIS PERMITTHROUGHPUT
CAPACITYPOLLUTANT
EMITTED

EMISSION LIMITS

CONTROL EQUIPMENT OR PROCESS MODIFICATION

... & BASIS

... PCT EFF

ENGINE, I.C., & GENERATOR

1365.00 HP

NOX

369.0000 LB/D

5.4000 G/BHP-H

LOW SULFUR FUEL, 0.25% BY WT.
H2O INJ., ENGINE DESIGN

BACT

NOTES -----

COST EFFECTIVENESS ENHANCED BY EXISTING SITE WATER TREATMENT FACILITY, WHICH PROVIDES THE WATER FOR THE WATER INJECTION SYSTEM

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 06/01/1989

APPENDIX -- DETAILED SOURCE LISTING

05/30/1990

=====

SOURCE TYPE/SIZE	OTHER INTERNAL COMBUSTION

COMPANY NAME/SITE LOCATION	LEHT COGENERATION ASSOCIATES, UT UTAH COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE. PERMIT NO. BAQ-1101-0 DETERMINATION MADE BY UTAH BAQ (AGENCY)	DAVE KOPTA (AGENCY CONTACT PERSON)
	DATE OF PERMIT ISSUANCE-- 10/22/87 ESTIMATED DATE OF START-UP-- 1988 (801)-538-6108 (PHONE)

=====

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF

ENGINE, GAS FIRED, 3 EA	16950.00 KW	VE	20.0000 % OPACITY	BACT
		PM	1.8600 T/YR SEE NOTES	BACT
		SO2	5.3100 T/YR SEE NOTES	BACT
		NOX	249.8700 T/YR SEE NOTES	BACT
		VOC	8.0300 T/YR SEE NOTES	BACT
		CO	155.5900 T/YR SEE NOTES	BACT

NOTES -----

NATURAL GAS WITH A MAXIMUM OF 4% PILOT DIESEL OIL. EQUIPMENT MONITORING. RECORDS OF PRODUCTION.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 04/30/1990

APPENDIX -- DETAILED SOURCE LISTING

05/30/1990

SOURCE TYPE/SIZE OTHER INTERNAL COMBUSTION

COMPANY NAME/SITE LOCATION MAUI ELECTRIC CO., INC MAALAEA, HI MAUI COUNTY

DETERMINATION IS
PERMIT NO. HI 86-02
DETERMINATION MADE BY HAWAII DOH
(AGENCY)

WILFRED NAGAMINE
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 11/17/87
ESTIMATED DATE OF START-UP-- 1988
(808)-543-8200
(PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
ENGINE, I.C., 2 EA	2.50 MW	NOX	600.0000 PPM, DRY AT 15% O2 68.4000 LB/H 3H AVG 4 DEG IGNITION RETARD	BACT 20.00
		SO2	0.5000 % MAX SULFUR FUEL OIL #2 FUEL OIL	BACT
		VE	20.0000 % OPACITY	SIP

NOTES -----

12 H/D OPERATING LIMIT. NOX LIMIT SUBJECT TO CHANGE AFTER INITIAL PERFORMANCE TEST. NOX LIMIT REDUCED DUE TO RESULT OF TEST. A
MMENDED 08/09/89 TO INCREASE THE STACK HEIGHTS FROM 20 TO 60 FT TO ADDRESS VIOLATIONS TO THE PSD CLASS II.
SO2 INCREMENT IDENTIFIED IN THE REVIEW OF PSD APPLICATION HI 87-01.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 03/31/1990

APPENDIX -- DETAILED SOURCE LISTING

05/30/1990

SOURCE TYPE/SIZE OTHER INTERNAL COMBUSTION

COMPANY NAME/SITE LOCATION MAUI ELECTRIC CO., LTD. MAALAEA, HI

DETERMINATION IS
PERMIT NO. HI 87-01DETERMINATION MADE BY HAWAII DOH
(AGENCY)MILFRED NAGAMINE
(AGENCY CONTACT PERSON)DATE OF PERMIT ISSUANCE-- 12/30/89
ESTIMATED DATE OF START-UP-- 1988
(808)-543-8200
(PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
ENGINE, I.C., 2 EA	12.50 MM			
		NOX	595.0000 PPM DRY AT 15% O2 256.1000 LB/H, 3H AVG 5 DEGREE IGNITION RETARD	BACT 20.00
		PM	0.1700 GR/DSCF AT 12% CO2 39.1000 LB/H, 3H AVG	BACT
		SO2	110.0000 PPM DRY AT 15% O2 58.0000 LB/H, 3H AVG 0.5% MAX S #2 FUEL OIL	BACT
		VOC	211.0000 PPM DRY AT 15% O2 27.0000 LB/H, 3H AVG	BACT
		CO	234.0000 PPM DRY AT 15% O2 70.6000 LB/H, 3H AVG	BACT
		VE	20.0000 % OPACITY	

NOTES -----

NOX LIMIT SUBJECT TO CHANGE AFTER INITIAL PERFORMANCE TEST OR AFTER THE REVIEW OF 12000 HOURS OF CONTINUOUS MONITORING DATA.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 03/31/1990

APPENDIX -- DETAILED SOURCE LISTING

05/30/1990

=====

SOURCE TYPE/SIZE	OTHER INTERNAL COMBUSTION	4.60 MW

COMPANY NAME/SITE LOCATION	MAUI PINEAPPLE CO., LTD.	KAHULUI, HI
		MAUI COUNTY

DETERMINATION IS		DATE OF PERMIT ISSUANCE-- 05/17/88
PERMIT NO. HI 87-02		ESTIMATED DATE OF START-UP-- 1988
DETERMINATION MADE BY HAWAII DOH	TYLER SUGIHARA	(808)-543-8200
(AGENCY)	(AGENCY CONTACT PERSON)	(PHONE)

=====

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF

ENGINE, I.C., 2 EA	2010.00 BHP	NOX	536.0000 PPM DRY AT 15% O2	BACT
			23.0000 LB/H, 3H AVG	
			2 DEG. IGNITION RETARD	18.00
			0.1% S MAX. IN FUEL OIL	
		SO2	0.4000 % S MAX #2 FUEL OIL	BACT
		VE	20.0000 % OPACITY	SIP
ENGINE, I.C., 2 EA	3020.00 BHP	NOX	520.0000 PPM DRY AT 15% O2	BACT
			35.0000 LB/H, 3H AVG	
			2 DEG IGNITION RETARD	18.00
			0.1% S MAX IN FUEL OIL	
		SO2	0.4000 % S MAX #2 FUEL OIL	BACT
		VE	20.0000 % OPACITY	SIP

NOTES -----

TOTAL COMBINED ANNUAL FUEL CONSUMPTION OF THE TWO 2010 HP & 3020 HP DIESEL ENGINE GENERATORS SHALL NOT EXCEED 1317760 GAL/YEAR
 . EACH 3020 HP DIESEL GENERATOR SHALL NOT CONSUME IN EXCESS OF 493720 GAL/YEAR. PERMIT AMENDED 11/17/89.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 02/28/1990

APPENDIX -- DETAILED SOURCE LISTING

05/30/1990

=====

SOURCE TYPE/SIZE	OTHER INTERNAL COMBUSTION	12.00 MW

COMPANY NAME/SITE LOCATION	NORTHEAST LANDFILL POWER	JOHNSTON, RI

DETERMINATION IS BACT FOR A NEW SOURCE. PERMIT NO. 999-1014 DETERMINATION MADE BY RHODE ISLAND DEM (AGENCY)	DOUG MCVAY (AGENCY CONTACT PERSON)	DATE OF PERMIT ISSUANCE-- 12/12/89 ESTIMATED DATE OF START-UP-- 1990 (401)-277-2808 (PHONE)

=====

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF

ENGINE, I.C., 8 EA	2400.00 BHP	NOX	1.2500 G/BHP-H LEAN BURN	BACT
		CO	1.1250 G/BHP-H CO CATALYST	BACT
		VOC	0.5000 G/BHP-H	BACT

NOTES -----
LANDFILL GAS FIRED ENGINE.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 05/18/1990

APPENDIX -- DETAILED SOURCE LISTING

05/30/1990

=====

SOURCE TYPE/SIZE	OTHER INTERNAL COMBUSTION		

COMPANY NAME/SITE LOCATION	PACIFIC LIGHTING ENERGY	, CA	

DETERMINATION IS	FOR A NEW SOURCE.	DATE OF PERMIT ISSUANCE-- 03/01/85	
PERMIT NO. 30336		ESTIMATED DATE OF START-UP-- 1985	
DETERMINATION MADE BY BAY AREA AQMD	CRAIG ULLERY	(415)-771-6000	
(AGENCY)	(AGENCY CONTACT PERSON)	(PHONE)	

=====

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF

ENGINE, RECIP., SUPERIOR 165GTA	2650.00 HP	NOX	1.5000 G/HP-H PRECHAMBER IGNIT	

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 06/04/1986

APPENDIX -- DETAILED SOURCE LISTING

05/30/1990

```

=====
SOURCE TYPE/SIZE      OTHER INTERNAL COMBUSTION
-----
COMPANY NAME/SITE LOCATION  POPPY RIDGE PARTNERS                      , CA
                                           SACRAMENTO COUNTY

DETERMINATION IS      FOR A MODIFIED SOURCE.      DATE OF PERMIT ISSUANCE-- 09/16/86
PERMIT NO. 8501-4      ESTIMATED DATE OF START-UP-- 1986
DETERMINATION MADE BY SACRAMENTO COUNTY APCD      (916)-366-2107
              (AGENCY)              A. KENNARD      (PHONE)
              (AGENCY CONTACT PERSON)

=====
PROCESSES SUBJECT      THROUGHPUT      POLLUTANT      EMISSION LIMITS      ... & BASIS
TO THIS PERMIT          CAPACITY        EMITTED        CONTROL EQUIPMENT OR PROCESS MODIFICATION ... PCT EFF
-----
ENGINE, RECIPROCATING, DIGESTER*  0.54 MMCF/D
                                   NOX            2.0000 G/HP-H
                                           PRE-STRATIFIED CHARGE EMIS CONTROL SYS.
    
```

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 02/19/1987

APPENDIX -- DETAILED SOURCE LISTING

05/30/1990

SOURCE TYPE/SIZE OTHER INTERNAL COMBUSTION

COMPANY NAME/SITE LOCATION PW VENTURES

, FL

PALM BEACH COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.

PERMIT NO. PSD-FL-120

DETERMINATION MADE BY FLORIDA DER, BAR
(AGENCY)BARRY ANDREWS
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 05/12/88

ESTIMATED DATE OF START-UP-- 1990

(904)-488-1344
(PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
ENGINE, I.C., DUAL FUEL, 3 EA	8800.00 HP			
		NOX	5.0000 G/HP-H DUAL FUEL	BACT
			12.1000 G/HP-H DIESEL FIRING	
		SO2	0.0200 LB/MMBTU DUAL FUEL	BACT
			0.3200 LB/MMBTU DIESEL FIRING	
			LOW S FUEL	
		VOC	0.4300 G/HP-H DUAL FUEL	BACT
			0.2400 G/HP-H DIESEL FIRING	

NOTES -----

DIESEL FUEL FIRING LIMITED TO PERIODS OF NATURAL GAS CURTAILMENT.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 05/18/1990

APPENDIX -- DETAILED SOURCE LISTING

05/30/1990

SOURCE TYPE/SIZE OTHER INTERNAL COMBUSTION

COMPANY NAME/SITE LOCATION SF SOUTHEAST TREATMENT PLANT , CA

DETERMINATION IS FOR A NEW SOURCE.
 PERMIT NO. 30456
 DETERMINATION MADE BY BAY AREA AQMD
 (AGENCY)

STEVE HILL
 (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 05/01/85
 ESTIMATED DATE OF START-UP--
 (415)-771-6000
 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
ENGINE, RECIP., SEWAGE-SLUDGE G*	5.20 MM	NOX	2.0000 G/BHP-H CLEAN BURN ENGINE	

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 04/15/1987

APPENDIX -- DETAILED SOURCE LISTING

05/30/1990

SOURCE TYPE/SIZE OTHER INTERNAL COMBUSTION

COMPANY NAME/SITE LOCATION SOUTHERN CALIFORNIA GAS CO. , CA

DETERMINATION IS BACT FOR A NEW SOURCE. DATE OF PERMIT ISSUANCE-- 11/03/86
 PERMIT NO. 148395 ESTIMATED DATE OF START-UP-- 1987
 DETERMINATION MADE BY SOUTH COAST AQMD (818)-572-6360
 (AGENCY) KIEN HUYNH (PHONE)
 (AGENCY CONTACT PERSON)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BLASTING MACHINE, ABRASIVE	56.00 HP	PM	0.2300 LB/D CARTRIDGE FILTER	BACT 98.00

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 06/02/1988

APPENDIX -- DETAILED SOURCE LISTING

05/30/1990

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SOURCE TYPE/SIZE	OTHER INTERNAL COMBUSTION		

COMPANY NAME/SITE LOCATION	STATE OF UTAH NATURAL RESOURCES , UT		
	WEST DESERT PUMPING STATION		

DETERMINATION IS BACT FOR A NEW SOURCE.	DATE OF PERMIT ISSUANCE--		09/01/86
PERMIT NO.	ESTIMATED DATE OF START-UP--		1988
DETERMINATION MADE BY UTAH BAQ	L. MEULUVE	(801)-538-6108	
(AGENCY)	(AGENCY CONTACT PERSON)	(PHONE)	

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PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
ENGINE, GAS FIRED, 3	46.30 MMCF/H			
		SO2	0.3000 LB/H TURBOCHARGER UPS FUEL EFF.	S/B 0.00
		NOX	36.0000 LB/H PRECOMBUST. CHAMBER, LEAN BURN TURBOCHARGER UPS FUEL EFF.	S/B 92.00
		CO	24.0000 LB/H PRECOMBUST. CHAMBER, LEAN BURN TURBOCHARGER UPS FUEL EFF.	S/B 29.00
		VOC	42.0000 LB/H PRECOMBUST. CHAMBER, LEAN BURN TURBOCHARGER UPS FUEL EFF.	S/B 88.00
		VE	20.0000 % OPACITY TURBOCHARGER UPS FUEL EFF.	SIP

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 02/19/1987

APPENDIX -- DETAILED SOURCE LISTING

05/30/1990

SOURCE TYPE/SIZE OTHER INTERNAL COMBUSTION

COMPANY NAME/SITE LOCATION THE WORCESTER CO.

CENTERDALE, RI

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 988-990
DETERMINATION MADE BY RHODE ISLAND DEM
(AGENCY)

DOUG MCVAY
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 09/27/89
ESTIMATED DATE OF START-UP-- 1990
(401)-277-2808
(PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
ENGINE, I.C., 3 EA	2000.00 BHP	NOX	1.5000 G/BHP-H LEAN BURN	BACT
		CO	1.6000 G/BHP-H NAT GAS 1.9000 G/BHP-H PROPANE LEAN BURN	BACT
		VOC	0.6000 G/BHP-H NAT GAS 4.5000 G/BHP-H PROPANE LEAN BURN	BACT

NOTES -----

NATURAL GAS FIRED. BACK-UP FUEL - PROPANE, LIMITED TO 2904 HOURS/YEAR.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 05/18/1990

APPENDIX -- DETAILED SOURCE LISTING

05/30/1990

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SOURCE TYPE/SIZE      OTHER INTERNAL COMBUSTION
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COMPANY NAME/SITE LOCATION  THERMOPOWER & ELECTRIC      , CO
                                           GREELEY COUNTY
-----
DETERMINATION IS BACT FOR A NEW SOURCE.      DATE OF PERMIT ISSUANCE-- 01/06/88
PERMIT NO. 87WE113      ESTIMATED DATE OF START-UP-- 1988
DETERMINATION MADE BY COLORADO DEH      (303)-331-8593
      (AGENCY)      CATHY RHODES      (PHONE)
      (AGENCY CONTACT PERSON)
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PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
TURBINE, GAS, 3 EA	271.00 MMBTU/H	NOX	100.0000 PPMV STEAM INJECTION	BACT 45.00

NOTES -----
 SOURCE IS IN CO NONATTAINMENT AREA, THEREFORE BACT DETERMINATION BASED ON BALANCE OF NOX & CO EMISSIONS.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 06/22/1988

APPENDIX -- DETAILED SOURCE LISTING

05/30/1990

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SOURCE TYPE/SIZE      OTHER INTERNAL COMBUSTION
-----
COMPANY NAME/SITE LOCATION  TRICOUNTY SUN ENERGY SHERATON HOTEL      , CA
-----
DETERMINATION IS      FOR A NEW SOURCE.      DATE OF PERMIT ISSUANCE-- 08/07/86
PERMIT NO. 1369-1      ESTIMATED DATE OF START-UP-- 1987
DETERMINATION MADE BY VENTURA COUNTY APCD      (805)-654-2845
              (AGENCY)      KEITH DUVAL      (PHONE)
              (AGENCY CONTACT PERSON)
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PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
ENGINE, I.C.	7750.00 BTU/HP-H	NOX	50.0000 PPMVD AT 15% O2 NONSELECTIVE CATALYST	90.00

NOTES -----
BACT FOR THIS PROJECT IS THE MORE STRINGENT OF 90% EFFICIENCY, OR 50 PPM

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 05/05/1987

APPENDIX -- DETAILED SOURCE LISTING

05/30/1990

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SOURCE TYPE/SIZE	OTHER INTERNAL COMBUSTION	363.60 MMBTU/H

COMPANY NAME/SITE LOCATION	MITCO CHEMICAL CORP.	, CA
		KERN COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.		DATE OF PERMIT ISSUANCE--
PERMIT NO. 2026051B		ESTIMATED DATE OF START-UP--
DETERMINATION MADE BY KERN COUNTY APCD		(805)-861-3682
(AGENCY)	TOM PAXSON	(PHONE)
	(AGENCY CONTACT PERSON)	

=====

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF

TURBINE, GAS, DUAL FUEL	363.60 MMBTU/H	VOC	21.9000 LB/MMSCF, GAS 3.4100 LB/MGAL, OIL GOOD COMBUSTION PRACTICE & BURNER DESIGN.	BACT

NOTES -----

THIS IS A REVISION TO A PRESENT EMISSION LIMIT. THIS OPERATION RUNS 24 H/D, 365 D/YR.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 11/25/1985

APPENDIX -- DETAILED SOURCE LISTING

05/30/1990

SOURCE TYPE/SIZE OTHER INTERNAL COMBUSTION

COMPANY NAME/SITE LOCATION 3M AUSTIN, TX TRAVIS COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 9904
DETERMINATION MADE BY TEXAS ACB
(AGENCY)

RANDY HAMILTON
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 05/30/86
ESTIMATED DATE OF START-UP-- 1987
(512)-451-5711
(PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
ENGINE, RECIPROCATING, DUEL FUE*	8386.00 BHP	NOX	889.0000 T/YR ENGINE REDESIGNED TO CONTROL NOX	B/NA
		CO	283.0000 T/YR	
		VOC	114.0000 T/YR	
		SO2	35.0000 T/YR	
		PM	14.0000 T/YR	

NOTES -----

PSD PERMIT - PSD-TX-674. COOPER LSVG-20-GDT NG DIESEL ENGINES. NOX EMISSIONS ARE MAINTAINED UNDER 5.0 GR/BHP-H.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 01/29/1988

TECHNICAL REPORT DATA*(Please read Instructions on the reverse before completing)*

1. REPORT NO. EPA-450/3-90-015b	2.	3. RECIPIENT'S ACCESSION NO.
4. TITLE AND SUBTITLE BACT/LAER Clearinghouse: A Compilation of Control Technology Determinations	5. REPORT DATE June 1990	
	6. PERFORMING ORGANIZATION CODE	
7. AUTHOR(S) Mr. Joseph Steigerwald	8. PERFORMING ORGANIZATION REPORT NO.	
9. PERFORMING ORGANIZATION NAME AND ADDRESS PEI Associates, Inc. 11499 Chester Road Cincinnati, Ohio 45246	10. PROGRAM ELEMENT NO. 61	
	11. CONTRACT/GRANT NO. 68-02-4394	

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	11. CONTRACT/GRANT NO. 68-02-4394	
12. SPONSORING AGENCY NAME AND ADDRESS U.S. Environmental Protection Agency Office of Air Quality Planning and Standards Research Triangle Park, N.C. 27711	13. TYPE OF REPORT AND PERIOD COVERED Final	
	14. SPONSORING AGENCY CODE EPA/200/04	
15. SUPPLEMENTARY NOTES		
16. ABSTRACT <p>The Clean Air Act as amended in 1977 prescribes several technology-based limitations affecting new or modified air pollution sources: 1) new source performance standards (NSPS); 2) best available control technology (BACT); and 3) lowest achievable emission rate (LAER).</p> <p>The basic purposes of the BACT/LAER Clearinghouse are to: 1) provide State and local air pollution control agencies with current information on case-by-case control technology determinations that are made nationwide and 2) promote communication, cooperation, and sharing of control technology information among the permitting agencies. The information presented in this compilation was abstracted from preconstruction permits and submitted voluntarily by the State and local air pollution control agencies. The Clearinghouse is intended as a reference for State and local agencies in making BACT/LAER decisions.</p> <p>Since the 1985 BLC document was published in June of that year, annual supplements containing only those determinations inserted or revised during the previous 12 months were published. A master edition containing all new/revised determinations completed during the past 5 years was planned to be published every 5 years. This report is the 5 year compilation containing all determinations inserted or updated since June 1985.</p>		
17. KEY WORDS AND DOCUMENT ANALYSIS		
2. DESCRIPTORS	b. IDENTIFIERS/OPEN ENDED TERMS	c. COSATI Field/Group
Best Available Control Technology Lowest Achievable Emission Rate Control Technology Determinations New Source Review	Air Pollution Control	
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