

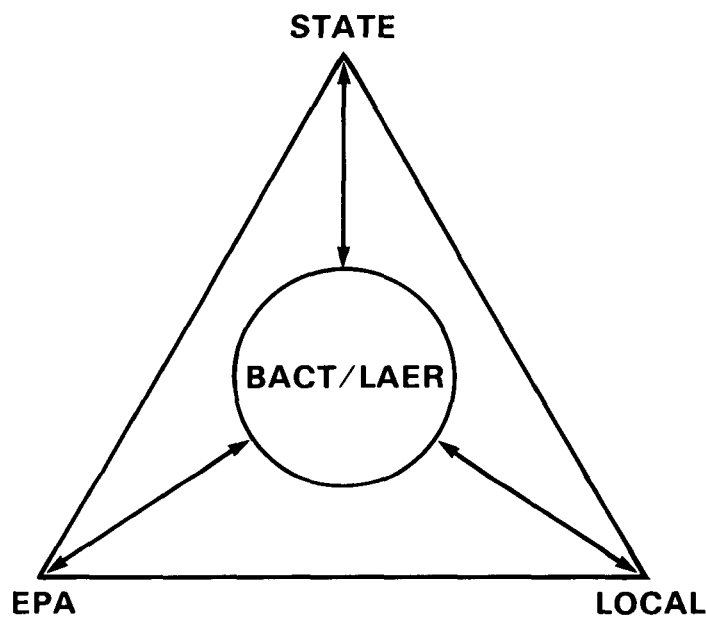
BACT/LEAR Clearinghouse—

A Compilation Of Control Technology Determinations

Volume IIA

Appendix G

Source Type Codes 1.0-5.0



May 1984

Developed As Part Of A Joint Effort
Between The U.S. Environmental Protection Agency
And State And Local Air Pollution Control Agencies

1. The first part of the document is a list of the names of the persons who have been appointed to the various offices of the city government. The names are listed in alphabetical order, and each name is followed by the name of the office to which the person has been appointed.

BACT/LAER Clearinghouse

Prepared By
Emission Standards And Engineering Division

**U.S. Environmental Protection Agency
Region V, Library
230 South Dearborn Street
Chicago, Illinois 60604**

U. S. Environmental Protection Agency
Office of Air Quality Planning and Standards
Research Triangle Park, North Carolina 27711

May 1984

DISCLAIMER

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U.S. Environmental Protection Agency

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APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

=====

SOURCE TYPE/SIZE---	EXTERNAL COMBUSTION - COAL	1780.00 MW
---------------------	----------------------------	------------

COMPANY NAME/SITE LOCATION	AL ELEC COOP INC P. O. BOX 550	ANDALUSIA, AL 36420	CHOCTAW COUNTY
----------------------------	-----------------------------------	---------------------	----------------

DETERMINATION IS BACT FOR A NEW SOURCE.		DATE OF PERMIT ISSUANCE-- 02/24/81	
PERMIT NO. AL 071		ESTIMATED DATE OF START-UP-- 1986	
DETERMINATION MADE BY	ALABAMA APCD (AGENCY)	SUE ROBERTSON (AGENCY CONTACT PERSON)	(205)-834-6570 (PHONE)

=====

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

LIGNITE BOILER	4805.00 MMBTU/H EA	PM	144.0000 LB/H 631.0000 T/YR ESP	NSPS 99.80
		SO2	3803.0000 LB/H 16658.0000 T/YR FGD	NSPS 90.00
		NOX	2883.0000 LB/H 12628.0000 T/YR BOILER DESIGN & OPERATION	NSPS
		CO	470.0000 LB/H 2060.0000 T/YR BOILER DESIGN & OPERATION	BACT

NOTES -----

ESTIMATED STARTUP DATES -- UNIT 1, 3/86 - UNIT 2, 5/91 - UNIT 3, 7/96 - UNIT 4, 9/01.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
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ID NUMBER AL-0001

SOURCE TYPE CODE 1.1

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

```

=====
SOURCE TYPE/SIZE---      EXTERNAL COMBUSTION - COAL                      14.80 MW
-----
COMPANY NAME/SITE LOCATION  AMERICAN LIGNITE PRODUCTS                      IONE, CA
-----
DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. SJ 83-02
DETERMINATION MADE BY      EPA REGION IX                      JOE SLAMOVICH
                           (AGENCY)                      (AGENCY CONTACT PERSON)
                           DATE OF PERMIT ISSUANCE-- 01/10/84
                           ESTIMATED DATE OF START-UP--
                           (415)-974-8235
                           (PHONE)
=====
  
```

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
COMBUSTOR, FLUIDIZED BED	23.80 T/H			
		NO2	61.5000 LB/H CIRCULATING FLUIDIZED BED	
		CO	34.2000 LB/H CIRCULATING FLUIDIZED BED	
		SO2	65.0000 LB/H LIMESTONE INJECTION	94.30
		PM	7.5000 LB/H BAGHOUSE	99.90

NOTES -----

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW POST STARTUP

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ID NUMBER CA-0048A

SOURCE TYPE CODE 1.1

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

```

=====
SOURCE TYPE/SIZE---      EXTERNAL COMBUSTION - COAL      17.00 MW
-----
COMPANY NAME/SITE LOCATION  AMERICAN LIGNITE PROD. CO.      IONE, CA
-----
DETERMINATION IS PERMIT NO.      DATE OF PERMIT ISSUANCE-- 12/21/83
DETERMINATION MADE BY  AMADOR COUNTY APCD      EARL WITHYCOMBE      ESTIMATED DATE OF START-UP-- 1985
                        (AGENCY)                (AGENCY CONTACT PERSON)  (916)-862-1233
                                                (PHONE)
=====

```

```

=====
PROCESSES SUBJECT      THROUGHPUT      POLLUTANT      EMISSION LIMITS      ... & BASIS
TO THIS PERMIT          CAPACITY        EMITTED        CONTROL EQUIPMENT OR PROCESS MODIFICATION ... PCT EFF
-----
FLUID BED COMBUSTION    240.00 MMBTU/H

                        PM      0.0156 GR/DSCF      BAGHOUSE      BACT
                        SO2     115.0000 PPM      LIMESTONE BED  99.93
                        NOX     150.0000 PPM      1.5% S FUEL    BACT
                        CO      138.0000 PPM      FLUID BED      94.25
                        STAGED COMBUSTION
                        STAGED COMBUSTION      BACT
=====

```

NOTES -----

RECIRCULATING FLUID BED INCREASES SO₂/LIMESTONE INTERACTION AND CAPTURE, MAINTENANCE OF BED TEMPERATURE AT 1560 F KEEPS NOX PRODUCTION LOW, BAGHOUSE FOLLOWS RECIRCULATING CYCLONE AND MULTICLONE FOR PARTICULATE CONTROL.

```

=====
(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.      INITIAL REVIEW  POST STARTUP
REVIEW STATUS:
=====
PAGE 6- 3      ID NUMBER CA-0048      SOURCE TYPE CODE 1.1
=====

```

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

=====

SOURCE TYPE/SIZE---	EXTERNAL COMBUSTION - COAL	350.00 MW

COMPANY NAME/SITE LOCATION	ARIZONA PUBLIC SERVICE CO., CHOLLA UNIT*	JOSEPH CITY, AZ

DETERMINATION IS BACT FOR A NEW SOURCE.		DATE OF PERMIT ISSUANCE-- 02/15/78
PERMIT NO. AZP 78-01		ESTIMATED DATE OF START-UP--
DETERMINATION MADE BY	EPA REGION IX (AGENCY)	JIM HANSON (AGENCY CONTACT PERSON)
		(415)-974-8038 (PHONE)

=====

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

COAL FIRED BOILER	350.00 MW	PM	0.0500 LB/MMBTU ESP	
		SO2	0.0720 LB/MMBTU WET LIMESTONE SCRUBBING LOW S COAL	94.00
		NOX	0.7000 LB/MMBTU	NSPS
COAL HANDLING AREAS		PM		
			DUST CONTROL SYS	
LIMESTONE HANDLING AREAS		PM		
			DUST CONTROL SYS	

NOTES -----

THE DEGREE OF CONTROL WAS PROPOSED BY CO. IN ITS APPLICATION. FUGITIVE DUST SHALL BE CONTROLLED DURING CONSTRUCTION BY WATER SPRAY. BOTTOM ASH SHALL BE PUMPED TO A SPRAY POND. ASH SHALL BE MIXED WITH WASTE SLUDGE FROM SO2 ABSORBERS AND OR WASTEWATER FROM COOLING TOWER AND TRANSPORTED IN A SLURRY TO A SEPERATE DISPOSAL AREA

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

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ID NUMBER AZ-0003

SOURCE TYPE CODE 1.1

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

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SOURCE TYPE/SIZE---	EXTERNAL COMBUSTION - COAL	800.00 MW
---------------------	----------------------------	-----------

COMPANY NAME/SITE LOCATION	ARKANSAS PWR & LT CO.	NEWARK, AR	INDEPENDENCE COUNTY
----------------------------	-----------------------	------------	---------------------

DETERMINATION IS BACT FOR A NEW SOURCE.		DATE OF PERMIT ISSUANCE--	03/30/78
PERMIT NO. PSD-AR-48		ESTIMATED DATE OF START-UP--	
DETERMINATION MADE BY	EPA REGION VI	JOHN BUNYAK	(214)-767-1594
	(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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COAL-FIRED STEAM GEN	800.00 MW	SO2	0.9300 LB/MMBTU LOW S WESTERN COAL	NSPS
		PM	0.1000 LB/MMBTU ESP	99.50

NOTES -----

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
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ID NUMBER 41111

1.1 FOR THE CODE 1.1

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

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=====
SOURCE TYPE/SIZE---      EXTERNAL COMBUSTION - COAL                      730.00 MW
-----
COMPANY NAME/SITE LOCATION ASSOC. ELECT. COOP., INC.                      , MO
                           THOMAS HILL STATION                          RANDOLPH COUNTY
-----
DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO.
DETERMINATION MADE BY    EPA REGION VII                      DANIEL RODRIGUEZ
                           (AGENCY)                        (AGENCY CONTACT PERSON)
                                                           DATE OF PERMIT ISSUANCE-- 02/06/78
                                                           ESTIMATED DATE OF START-UP-- 1982
                                                           (816)-374-6525
                                                           (PHONE)
```

```
=====
PROCESSES SUBJECT        THROUGHPUT        POLLUTANT        EMISSION LIMITS        ... & BASIS
TO THIS PERMIT           CAPACITY        EMITTED          CONTROL EQUIPMENT OR PROCESS MODIFICATION ... PCT EFF
-----
BOILER, COAL FIRED (UNIT 3), PU* 6588.00 MMBTU/H
                                SO2          1.2000 LB/MMBTU        BACT
                                WET LIMESTONE SCRUBBER  90.00
                                PM           0.1000 LB/MMBTU        BACT
                                COLD-SIDE ESP          99.70
                                NOX          0.7000 LB/MMBTU        NSPS
                                BOILER DESIGN
```

NOTES -----

PLANT NAME- THOMAS HILL (EXISTING UNIT 1 - 180MW, NET, EXISTING UNIT 2 - 303 MW, NET). THE NEW UNIT 3 IS SUBJECT TO NSPS, SUBP
ART D. EXISTING UNITS 1 AND 2 WILL BE LIMITED TO 8.0 LB SO2/MMBTU (3-HR. AVG.) BECAUSE OF POSSIBLE
AMBIENT STANDARD VIOLATIONS. THE EXISTING UNITS WILL BURN WASHED COAL (4.5% S BY WT.). UNIT 3 WILL BURN UNWASHED COAL (5.5% S
BY WT.). MISSOURI COAL

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

=====

SOURCE TYPE/SIZE---	EXTERNAL COMBUSTION - COAL	500.00 MW

COMPANY NAME/SITE LOCATION	BASIN ELECTRIC POWER COOP.	BEULAH, ND

DETERMINATION IS BACT FOR A NEW SOURCE.		DATE OF PERMIT ISSUANCE-- 01/12/83
PERMIT NO.		ESTIMATED DATE OF START-UP-- 1987
DETERMINATION MADE BY	NORTH DAKOTA SHD	(701)-224-2348
	(AGENCY)	(PHONE)
	ROBERT KING	
	(AGENCY CONTACT PERSON)	

=====

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

BOILER	6278.00 MMBTU/H			
		PM	188.0000 LB/H	NSPS
			0.0300 LB/MMBTU	
			BAGHOUSE	99.86
		SO2	2637.0000 LB/H	BACT
			0.6000 LB/MMBTU	
			SPRAY DRYER	88.00
		SO2	30.0000 % OF POTENT. COMBUST. CONC.	
		NOX	2825.0000 LB/H	BACT
			0.4500 LB/MMBTU	
			COMBUSTION CONTROLS, MFG CLAIM	

NOTES -----

THE SO2 EMISSION RATE IS BASED ON CLASS I AREA IMPACTS , THE TECHNOLOGY INVOLVED, & ECONOMICS. FOR THE EMISSION LIMITS THE MOST STRINGENT ONE APPLIES DEPENDING ON OPERATING CONDITIONS.
2637 LB/H OF SO2 IS BASED ON 0.42 LB/MMBTU INPUT AT MAXIMUM PRODUCTION RATE.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
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ID NUMBER ND-0004

SOURCE TYPE CODE 1.1

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

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SOURCE TYPE/SIZE---	EXTERNAL COMBUSTION - COAL	1500.00 MW
---------------------	----------------------------	------------

COMPANY NAME/SITE LOCATION	BASIN ELECTRIC POWER COOP.	WHEATLAND, WY
----------------------------	----------------------------	---------------

DETERMINATION IS BACT FOR A NEW SOURCE.		DATE OF PERMIT ISSUANCE-- 05/14/76
PERMIT NO. CT-36		ESTIMATED DATE OF START-UP--
DETERMINATION MADE BY	WYOMING AQD	(307)-777-7391
	(AGENCY)	(PHONE)
	ECKART HAAS	
	(AGENCY CONTACT PERSON)	

=====

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
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BOILER, COAL, 2 EA	5513.62 MMBTU/H	SO2	0.2000 LB/MMBTU FGD, WET LIMESTONE SCRUBBER	NSPS 90.00
		PM	0.1000 LB/MMBTU ESP	NSPS 99.50
BOILER, COAL	5513.62 MMBTU/H	SO2	0.2000 LB/MMBTU FGD, DRY LIME SCRUBBER	NSPS 90.00
		PM	0.1000 LB/MMBTU ESP "	NSPS 99.50

NOTES -----

UNIT 1 START UP WAS 07/01/80. UNIT 2 START UP WAS 07/01/81. UNIT 3, THE FIRST FULL-SCALE DRY SCRUBBER INSTALLED ON A LARGE STEAM GENERATOR IN THE U.S., IS PRESENTLY UNDERGOING SUBSTANTIAL MOD. TO MEET SO2 EMISSION LIMITS.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW POST STARTUP

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ID NUMBER WY-0013

SOURCE TYPE CODE 1.1

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

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=====
SOURCE TYPE/SIZE---      EXTERNAL COMBUSTION - COAL                      880.00 MW
-----
COMPANY NAME/SITE LOCATION  BIG RIVERS ELECT.-D.B. WILSON STATION                LIVERMORE, KY 42352
                           D.B. WILSON STATION                      OHIO COUNTY
-----
DETERMINATION IS BACT FOR A NEW SOURCE.                                DATE OF PERMIT ISSUANCE-- 03/11/81
PERMIT NO. C-80-41                                                  ESTIMATED DATE OF START-UP-- 1984
DETERMINATION MADE BY      KENTUCKY DAPC                          BILL DILLS
                           (AGENCY)                               (AGENCY CONTACT PERSON)
                                                                (502)-564-3382
                                                                (PHONE)
=====
  
```

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BOILER, COAL FIRED	4585.00 MMBTU/H EA	PM	0.0300 LB/MMBTU	BACT
			ESP	99.80
		SO2	1.2000 LB/MMBTU	BACT
			WET SCRUBBER	90.00
		NOX	0.6000 LB/MMBTU	BACT
			BOILER DESIGN & OPERATION	
COAL HANDLING	3281.00 MT/YR	PM	LIMITED OPERATING CONDITIONS	
LIMESTONE HANDLING	279000.00 T/YR	PM	LIMITED OPERATING CONDITIONS	

NOTES -----
2 COAL FIRED 440 MW BOILERS

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(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.
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INITIAL REVIEW  POST STARTUP
REVIEW STATUS: 04/01/1983
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PAGE G- 9                      ID NUMBER K1-0009                      SOURCE TYPE CODE 1.1
=====
  
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APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

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SOURCE TYPE/SIZE---	EXTERNAL COMBUSTION - COAL	246.00 MW
---------------------	----------------------------	-----------

COMPANY NAME/SITE LOCATION	BOARD OF PUBLIC UTILITIES	KANSAS CITY, KS	WYANDOTTE COUNTY
----------------------------	---------------------------	-----------------	------------------

DETERMINATION IS BACT FOR A NEW SOURCE.		DATE OF PERMIT ISSUANCE-- 09/29/76
PERMIT NO.		ESTIMATED DATE OF START-UP-- 1981
DETERMINATION MADE BY	EPA REGION VII (AGENCY)	CHARLES WHITMORE (AGENCY CONTACT PERSON) (816)-374-6525 (PHONE)

=====

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BOILER, COAL FIRED, PULV.	246.00 MW	SO2	1.2000 LB/MMBTU LOW S WESTERN COAL	BACT
		PM	0.1000 LB/MMBTU ESP	NSPS
		NOX	0.7000 LB/MMBTU BOILER DESIGN	NSPS

NOTES -----

PLANT NAME: NEARMAN CREEK. THE UNIT IS SUBJECT TO NSPS, SUBPART D.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

SOURCE TYPE/SIZE--- EXTERNAL COMBUSTION - COAL

COMPANY NAME/SITE LOCATION B.F. GOODRICH

HENRY, IL

MARSHALL COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.

PERMIT NO. 82 03 0046

DETERMINATION MADE BY

ILLINOIS EPA
(AGENCY)

CHRIS ROMAIN
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 09/16/82

ESTIMATED DATE OF START-UP-- 1985

(217)-782-2113
(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, FLUIDIZED BED, RECIRCUL* 150.00 MMBTU/H

PM	0.0600	LB/MMBTU		BACT
			CYCLONE & BAGHOUSE	99.00
SO2	1.2000	LB/MMBTU		BACT
	85.0000	% REDUCTION		
			FLUIDIZED LIMESTONE BED	
NOX	0.6000	LB/MMBTU		BACT
			EQUIPMENT DESIGN	
CO	400.0000	PPM		BACT
			EQUIPMENT DESIGN	

NOTES -----

CO EMISSION IS SUBJECT TO REVISION BASED UPON RESULTS OF TRIAL OPERATION.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

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REVIEW STATUS: 04/01/1983

05/22/1984

COMPANY NAME/SITE LOCATION CAJUN ELECT. POWER COOP. COUSHATTA, LA
RED RIVER PARISH

DETERMINATION IS BACK FOR A NEW SOURCE.
PERMIT NO. (REGION FILE NO.) PSD-LA-106
DETERMINATION MADE BY EPA REGION VI
(AGENCY)

JOHN BUNYAK
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 03/25/80
ESTIMATED DATE OF START-UP-- 1985
(214)-767-1594
(PHONE)

ITEM	UNIT	QTY	PRICE	AMOUNT	TAXES	TOTAL
BOILER, LIGNITE FIRED		6507.00	MMBTU/H			
	PM	0.0300	LB/MMBTU ELECTROSTATIC PRECIPITATOR		NSPS	99.95
	SO2	1.0800	LB/MMBTU LIME/LIMESTONE SCRUBBER			80.00
	NOX	0.6000	LB/MMBTU O2 CONTROL			
	CO	0.0900	LB/MMBTU O2 CONTROL			
COAL PILES						
	PM	20.7000	LB/H COMPACTION, CRUSTING AGENT			
COAL HANDLING						
	PM	1.6000	LB/H BAG FILTER			99.90
LIME/LIMESTONE HANDLING AND PIL*						
	PM	2.1000	LB/H BAG FILTER			99.90

A REQUEST FOR PERMIT MODIFICATION WAS RECEIVED AND IS CURRENTLY UNDER REVIEW. BACT WILL BE CHANGED. SO2 LIMIT MAY BE EXPRESSED

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REVIEW STATUS: 04/01/1933

AS 0.6 LB/MMBTU, 30-DAY ROLLING AVG.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1993

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ID NUMBER LA-0006

SOURCE TYPE CODE 1.1

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

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=====
SOURCE TYPE/SIZE---      EXTERNAL COMBUSTION - COAL                      6781.00 MMBTU/H
-----
COMPANY NAME/SITE LOCATION  CENTRAL POWER & LIGHT                      FANNIN, TX
                                                                    GOLIAD COUNTY
-----
DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. (REGION FILE NO.) PSD-TX-365
DETERMINATION MADE BY      EPA REGION VI                      JOHN BUNYAK
                           (AGENCY)                      (AGENCY CONTACT PERSON)
                                                                    DATE OF PERMIT ISSUANCE-- 10/19/81
                                                                    ESTIMATED DATE OF START-UP-- 1988
                                                                    (214)-767-1594
                                                                    (PHONE)
=====

```

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
COAL FIRED BOILER	6781.00 MMBTU/H	PM	0.0300 LB/MMBTU ELECTROSTATIC PRECIPITATOR	NSPS 99.60
		SO2	0.3900 LB/MMBTU FLUE GAS DESULFURIZATION	NSPS 99.60
		NOX	0.5000 LB/MMBTU FIRE BOX DESIGN & O2 CONTROL	NSPS
		CO	0.0600 LB/MMBTU O2 CONTROL OPTIMAL WITH NOX	BACT
COAL DUMPER, ROTARY	11000.00 T/D COAL	PM	29.7600 LB/H 149.8000 LB/D WET SUPPRESSION	BACT 50.00
CONVEYOR TO SAMPLE HOUSE		PM	2.4000 LB/H 11.7500 LB/D COVERS, WET SUPPRESSION	BACT 99.00
CONVEYOR TO ACTIVE PILE		PM	2.2500 LB/H 2.2500 LB/D TELESCOPIC CHUTE COVERS, WET SUPPRESSION	BACT 99.00

(CONTINUED) CENTRAL POWER & LIGHT

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
ACTIVE COAL PILE		PM	5.7800 LB/H COMPACTION & WET SUPPRESSION	BACT
INACTIVE COAL PILE		PM	2.5000 LB/H COMPACTION	BACT 90.00
COAL CONVEYOR TO TRANSFER HOUSE		PM	2.3200 LB/H 6.7200 LB/D COVERS, WET SUPPRESSION	BACT 99.00
COAL CONVEYOR TO BOILER		PM	4.6300 LB/H 13.4400 LB/D COVERS, WET SUPPRESSION	BACT 99.00
FLYASH HANDLING		PM	0.2800 LB/H 1.7000 LB/D BAG FILTERS PNEUMATIC CONVEYOR TO SILO	BACT 99.00
LIMESTONE CAR DUMP		PM	2.7000 LB/H 24.2900 LB/WK NONE	BACT
LIMESTONE CONVEYOR TO STORAGE		PM	0.3500 LB/H 3.1200 LB/WK COVERED BAG COLLECTOR	BACT 98.00
LIMESTONE CONVEYOR TO BINS		PM	0.4000 LB/H 3.6000 LB/WK COVERED BAG COLLECTOR	BACT 98.00

(CONTINUED) CENTRAL POWER & LIGHT

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
LIMESTONE STORAGE PILE		PM	0.0480 LB/H NONE	BACT
LIMESTONE RECLAIM		PM	19.9000 LB/H 179.5200 LB/WK NONE	BACT
COAL SAMPLE HOUSE		PM	7.0000 LB/H 34.3000 LB/D WET SUPPRESSION & COVERED CONVEYORS	BACT 99.00
COAL TRANSFER HOUSE		PM	7.0000 LB/H 34.3000 LB/D COVERED CONVEYORS WET SUPPRESS.& COVERED CONVEY.	BACT 99.00
LIMESTONE SILOS		PM	0.3500 LB/H 3.1500 LB/WK BAG FILTER	BACT 99.00
LIMESTONE TRANSFER HOUSE		PM	0.1900 LB/H 1.7100 LB/WK BAG FILTER ENCLOSED CONVEYOR	BACT 99.00

NOTES -----

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
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APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

=====

SOURCE TYPE/SIZE---	EXTERNAL COMBUSTION - COAL	1200.00 MW

COMPANY NAME/SITE LOCATION	CINCINATI GAS & ELECTRIC CO. - EAST BEN*	, KY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.		DATE OF PERMIT ISSUANCE-- 05/14/82
PERMIT NO. 0-82-072		ESTIMATED DATE OF START-UP-- 1981
DETERMINATION MADE BY	KENTUCKY DAPC	(502)-564-3382
	(AGENCY)	(PHONE)
	BILL DILLS	
	(AGENCY CONTACT PERSON)	

=====

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

UNIT #2	6313.00 MMBTU/H			
		PM	0.1000 LB/MMBTU 2970.0000 T/YR ESP, WET SCRUBBER	99.60
		SO2	1.2000 LB/MMBTU 35640.0000 T/YR WET SCRUBBER	81.50
		NOX	0.7000 LB/MMBTU 20790.0000 T/YR	
UNIT #1	6270.00 MMBTU/H			
		PM	0.1000 LB/MMBTU 1650.0000 T/YR ESP	99.50
		SO2	0.8400 LB/MMBTU 13860.0000 T/YR WET SCRUBBER	85.00
		NOX	0.7000 LB/MMBTU 11550.0000 T/YR	

NOTES -----

PERMIT COVERS ONLY UNIT #2. UNIT #1 CONSTRUCTION PERMIT C-78-51 ON 8/25/78

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

=====	INITIAL REVIEW	POST STARTUP
	REVIEW STATUS: 04/01/1983	02/13/1984
=====		
PAGE 6- 17	ID NUMBER KY-0030	SOURCE TYPE CODE 1.1

EST. DATE OF START-UP UNIT #1 IS 01/86.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

	INITIAL REVIEW	POST STARTUP
REVIEW STATUS:	04/01/1983	02/13/1984

=====

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APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

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=====
SOURCE TYPE/SIZE---      EXTERNAL COMBUSTION - COAL                      92.50 MMBTU/H
-----
COMPANY NAME/SITE LOCATION CITY OF WILKES-BARRE                      WILKES-BARRE, PA
-----
                                                                    LUZERNE COUNTY
-----
DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. 79PA23
DETERMINATION MADE BY      EPA REGION III      DAVID ARNOLD
                           (AGENCY)            (AGENCY CONTACT PERSON)
                                                                    DATE OF PERMIT ISSUANCE-- 07/01/80
                                                                    ESTIMATED DATE OF START-UP-- 1980
                                                                    (215)-597-7936
                                                                    (PHONE)
```

```
=====
PROCESSES SUBJECT          THROUGHPUT      POLLUTANT      EMISSION LIMITS      ... & BASIS
TO THIS PERMIT            CAPACITY      EMITTED        CONTROL EQUIPMENT OR PROCESS MODIFICATION ... PCT EFF
-----
BOILER                    92.50 MMBTU/H
                           PM            8.0000 LB/H
                           BAGHOUSE/CYCLONE
                           SO2          199.0000 LB/H
                           1.5000 LB/MMBTU
                           S IN FUEL
                           BACT
                           99.70
                           BACT
```

NOTES -----

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

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=====
SOURCE TYPE/SIZE---      EXTERNAL COMBUSTION - COAL      1320.00 MW
-----
COMPANY NAME/SITE LOCATION  COLORADO UTE-CRAIG UNIT #3      NEAR CRAIG, CO
-----
                                MOFFAT COUNTY

DETERMINATION IS          FOR A MODIFIED SOURCE.          DATE OF PERMIT ISSUANCE-- 03/27/80
PERMIT NO.
DETERMINATION MADE BY      EPA REGION VIII              JOHN DALE
                           (AGENCY)                    (AGENCY CONTACT PERSON)
                                                           DATE OF PERMIT ISSUANCE-- 03/27/80
                                                           ESTIMATED DATE OF START-UP--
                                                           (303)-837-3763
                                                           (PHONE)
=====

```

```

=====
PROCESSES SUBJECT          THROUGHPUT          POLLUTANT          EMISSION LIMITS          ... & BASIS
TO THIS PERMIT             CAPACITY          EMITTED            CONTROL EQUIPMENT OR PROCESS MODIFICATION ... PCT EFF
-----
RR CAR                      1.87 MMT/YR
                                PM          1.0000 T/YR          BACT
                                FF          FF          99.80
ASH SILO VENT              355.00 MT/YR
                                PM          149.0000 T/YR          BACT
                                FF          FF          99.80
ASH UNLOAD                355.00 MT/YR
                                PM          34.0000 T/YR          BACT
                                HYDROMIXER          59.00
BOILER, 440 MW            214.00 T/H
                                CO
                                NO CONTROL          BACT
                                VOC
                                NO CONTROL          BACT
                                NOX          0.5000 LB/MMBTU          BACT
                                BOILER DESIGN          65.00
                                PM          0.0300 LB/MMBTU          BACT
                                BAGHOUSE          99.80
                                SO2          0.2000 LB/MMBTU          BACT
                                DRY SCRUBBER          90.00
=====

```

(CONTINUED) COLORADO UTE-CRAIG UNIT #3

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
COAL PILE	1.87 MMT/YR	PM	5.0000 T/YR SURFACTANT	BACT 85.00
CONV.	1.87 MMT/YR	PM	5.0000 T/YR ENCLOSURES	BACT 90.00
LIME TRANS./STORAGE	37.40 MT/YR	PM	0.0000 T/YR FF	BACT 99.80
TRANS PTS.	1.87 MMT/YR	PM	0.0000 T/YR ENC + FF	BACT 99.80

NOTES -----

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

APPENDIX -- DETAILED SOURCE LISTING

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=====

SOURCE TYPE/SIZE---	EXTERNAL COMBUSTION - COAL	137.00 MMBTU/H	

COMPANY NAME/SITE LOCATION	CURTISS-WRIGHT CORP. 1 PASSAIC ST.	WOOD-RIDGE, NJ 07075	BERGEN COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.		DATE OF PERMIT ISSUANCE-- 06/13/80	
PERMIT NO.		ESTIMATED DATE OF START-UP--	
DETERMINATION MADE BY	EPA REGION II (AGENCY)	STEVE RIVA (AGENCY CONTACT PERSON)	(212)-264-8684 (PHONE)

=====

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

PFB BOILER	137.00 MMBTU/H	SO2	0.3000 LB/MMBTU PROCESS MOD. CALCIUM/SULFUR, 2/1	SIP 93.00
		PM	NONE PROCESS CYCLONES	
		NOX	NONE	
		CO	NONE	

NOTES -----

TEMPORARY SOURCE - NOT TO OPERATE IN EXCESS OF 3100 H/YR FOR A PERIOD NOT TO EXCEED TWO YEARS FROM START-UP.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

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APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

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SOURCE TYPE/SIZE---	EXTERNAL COMBUSTION - COAL	550.00 MW
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COMPANY NAME/SITE LOCATION	DELMARVA POWER & LIGHT	VIEHNA, MD 21869	DORCHESTER COUNTY
----------------------------	------------------------	------------------	-------------------

DETERMINATION IS BACT FOR A MODIFIED SOURCE.

PERMIT NO. 80MD01

DETERMINATION MADE BY

EPA REGION III
(AGENCY)VERNON BUTLER
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 09/30/81

ESTIMATED DATE OF START-UP-- 1983

(215)-597-2711

(PHONE)

=====

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BOILER	5702.00 MMBTU/H	SO2	0.6000 LB/MBTU 70.0000 % EMISSION REDUCTION SCRUBBER	BACT 90.00
		NOX	0.6000 LB/MBTU 65.0000 % EMISSION REDUCTION BURNER DESIGN	BACT
		CO	0.0400 LB/MBTU BURNER DESIGN	BACT
		VOC	0.0100 LB/MBTU BURNER DESIGN	BACT
		VE	20.0000 % OPACITY STACK	BACT
BOILERS & STORAGE PILES	1.20 MMT/YR	PM	0.0300 LB/MBTU ESP DUST-SUPPRESSANT LIQUID	BACT 99.65

=====

NOTES -----

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP

REVIEW STATUS: 04/01/1983

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ID NUMBER MD-0004

SOURCE TYPE CODE 1.1

APPENDIX -- DETAILED SOURCE LISTING

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=====
SOURCE TYPE/SIZE---      EXTERNAL COMBUSTION - COAL                      800.00 MW
-----
COMPANY NAME/SITE LOCATION  DESERET GEN & TRANS, MOON LAKE                      NEAR BONANZA, UT
                                                                    UTAH COUNTY
-----
DETERMINATION IS
PERMIT NO.
DETERMINATION MADE BY      EPA REGION VIII              JOHN DALE
                           (AGENCY)                (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 02/04/80
ESTIMATED DATE OF START-UP-- 1984
                           (303)-837-3763
                           (PHONE)
=====

```

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
COAL CONV	475.00 T/H COAL	PM	1.0000 T/YR ENC & FF	BACT 99.00
COAL CRUSHER	2.70 MMT/YR	VE	20.0000 % OPACITY	
		PM	1.0000 T/YR ENC & FF	BACT 99.00
		VE	20.0000 % OPACITY	
COAL STORAGE	2.70 MMT/YR	PM	2.0000 T/YR WET SUP	BACT 50.00
		VE	20.0000 % OPACITY	
LIMESTONE HAND.	55.60 MT/YR	PM	1.0000 T/YR ENC & FF	BACT 90.00
		VE	20.0000 % OPACITY	
BOILERS, COAL-FIRED, 2 EA	400.00 MW	CO	NO CONTROL	BACT
		VOC	NO CONTROL	BACT
		NOX	0.5500 LB/MMBTU	BACT

		BOILER DESIGN	99.60
PM	0.0300	LB/MMBTU	BACT
	0.0200	GR/DSCF	
		FF	99.80
SO2	418.0000	LB/H	BACT
	0.0550	LB/MMBTU	
		WET SCRUBBER	94.00
VE	20.0000	% OPACITY	

NOTES -----

CEM QA REQUIRED BY 40CFR, PART 60, SUBPART DA. BOILER EMISSION COMPLIANCE FOR SO2, NOX, OPACITY WILL BE DETERMINED BY CEM REPO
RTS. VE IS STATEPERMIT REQUIREMENT.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

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APPENDIX -- DETAILED SOURCE LISTING

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SOURCE TYPE/SIZE---	EXTERNAL COMBUSTION - COAL	526.00 MW MOD.

COMPANY NAME/SITE LOCATION	EAST KENTUCKY POWER COOP. P.O. BOX 707	MAYSVILLE, KY 40391 MASON COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.		DATE OF PERMIT ISSUANCE-- 12/02/76
PERMIT NO. C-76-46		ESTIMATED DATE OF START-UP-- 1981
DETERMINATION MADE BY	KENTUCKY DAPC (AGENCY)	BILL DILLS (AGENCY CONTACT PERSON) (502)-564-3392 (PHONE)

=====

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

BOILER, PULV., COAL FIRED, DRY *	6760.00 MMBTU/H			
		PM	0.1000 LB/MMBTU HOT SIDE ESP	99.50
		PB	HOT SIDE ESP	99.50
		SO2	1.2000 LB/MMBTU 0.72% S IN FUEL	
		CO		
		NOX	0.7000 LB/MMBTU	

NOTES -----
UNIT NUMBER 2

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
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APPENDIX -- DETAILED SOURCE LISTING

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SOURCE TYPE/SIZE--- EXTERNAL COMBUSTION - COAL 670.00 MMBTU/H

COMPANY NAME/SITE LOCATION EASTMAN KODAK CO., KODAK PARK DIV. ROCHESTER, NY

DETERMINATION IS BACT FOR A NEW SOURCE.

PERMIT NO. C262800 025 00004

DETERMINATION MADE BY NEW YORK DEC
(AGENCY)

FRANK SHATTUCK
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 12/20/82

ESTIMATED DATE OF START-UP-- 1986

(716)-226-2466
(PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BOILER, COAL FIRED	670.00 MMBTU/H	PM	0.0350 LB/MMBTU ESP	BACT 99.57
		SO2	1.2000 LB/MMBTU LOW S COAL	BACT
		NOX	0.7000 LB/MMBTU COMBUSTION CONTROL	BACT
		CO	0.0450 LB/MMBTU COMBUSTION CONTROL	BACT
		BE	0.0010 LB/H ESP	BACT 98.40
COAL CAR UNLOADER		PM	1.1000 LB/H FABRIC FILTER	BACT 99.00
CRUSHING		PM	0.7500 LB/H FABRIC FILTER	BACT 99.00
BUNKER		PM	0.0230 LB/H	BACT

(CONTINUED) EASTMAN KODAK CO., KODAK PARK DIV.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
ASH HANDLING		PM	0.0750 LB/H FABRIC FILTER	BACT 99.00

NOTES -----

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

APPENDIX -- DETAILED SOURCE LISTING

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SOURCE TYPE/SIZE---	EXTERNAL COMBUSTION - COAL	600.00 MW, 2 EA
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COMPANY NAME/SITE LOCATION	E. KENTUCKY POWER CORP. J.K. SMITH POWER STATION	TRAPP, KY	CLARK COUNTY
----------------------------	---	-----------	--------------

DETERMINATION IS BACT FOR A NEW SOURCE.		DATE OF PERMIT ISSUANCE--	08/21/80
PERMIT NO. C-80-67		ESTIMATED DATE OF START-UP--	1992
DETERMINATION MADE BY	KENTUCKY DAPC (AGENCY)	BILL DILLS (AGENCY CONTACT PERSON)	(502)-564-3382 (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, COAL FIRED	6760.00 MMBTU/H EA	PM	0.0300 LB/MMBTU ESP	BACT 99.80
		SO2	1.2000 LB/MMBTU WET SCRUBBER	BACT 90.00
		NOX	0.6000 LB/MMBTU BOILER DESIGN	BACT
BOILER, COAL FIRED	6760.00 MMBTU/H	PM	0.0300 LB/MMBTU ESP	BACT 99.80
		SO2	1.2000 LB/MMBTU WET SCRUBBER	BACT 90.00
		NOX	0.6000 LB/MMBTU BOILER DESIGN	BACT

NOTES -----

STARTUP UNIT 1, 8/92 UNIT 2, 8/93

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

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APPENDIX -- DETAILED SOURCE LISTING

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SOURCE TYPE/SIZE---	EXTERNAL COMBUSTION - COAL	1220.00 BTU/H

COMPANY NAME/SITE LOCATION	FLORIDA POWER CORP.	CRYSTAL RIVER, FLA., FL 33733
		CITRUS COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.		DATE OF PERMIT ISSUANCE-- 01/15/80
PERMIT NO. AC52-36102		ESTIMATED DATE OF START-UP-- 1983
DETERMINATION MADE BY	FLORIDA DER	BOB KING
	(AGENCY)	(AGENCY CONTACT PERSON)
		(PHONE)

=====

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

FLY ASH HANDLING UNITS	55000.00 LB/H	PM	4.0000 LB/H BAGHOUSE	BACT 99.90

NOTES -----
ADDED ESP TO EXISTING BOILER

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

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SOURCE TYPE CODE 1.1

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=====

SOURCE TYPE/SIZE---	EXTERNAL COMBUSTION - COAL	58.00 MW	

COMPANY NAME/SITE LOCATION	GRAND HAVEN BOARD OF LT & PWR HARBOR ISLAND	GRAND HAVEN, MI 49417	MUSKEGON COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.		DATE OF PERMIT ISSUANCE-- 03/18/80	
PERMIT NO. 541-79		ESTIMATED DATE OF START-UP-- 1983	
DETERMINATION MADE BY	MICHIGAN DNR (AGENCY)	GREGORY EDWARDS (AGENCY CONTACT PERSON)	(517)-322-1333 (PHONE)

=====

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

COAL-FIRED BOILER	710.00 MMBTU/H			
		PM	0.0300 LB/MMBTU ESP	99.80
		SO2	0.8400 LB/MMBTU 30D AV 0.8000 LB/MMBTU 24H AV LINE SLURRY WET SCRUBBER	90.00
		NOX	0.6000 LB/MMBTU 30D AV	

NOTES -----

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.	INITIAL REVIEW	POST STARTUP
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=====		
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APPENDIX -- DETAILED SOURCE LISTING

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=====

SOURCE TYPE/SIZE---	EXTERNAL COMBUSTION - COAL	490.00 MW

COMPANY NAME/SITE LOCATION	GRAND RIVER DAM AUTHORITY	, OK 74361
		MAYES COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.		DATE OF PERMIT ISSUANCE-- 03/30/78
PERMIT NO. PSD-CK-51		ESTIMATED DATE OF START-UP--
DETERMINATION MADE BY	EPA REGION VI	(214)-767-1594
	(AGENCY)	(PHONE)
	JOHN BUNYAK	
	(AGENCY CONTACT PERSON)	

=====

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

COAL FIRED GEN STATION	490.00 MW			
		SO2	1.2000 LB/MMBTU 6157.2000 LB/H LOW S COAL	
		PM	0.1000 LB/MMBTU 513.1000 LB/H	

NOTES -----

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

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ID NUMBER OK-0001

SOURCE TYPE CODE 1.1

APPENDIX -- DETAILED SOURCE LISTING

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SOURCE TYPE/SIZE--- EXTERNAL COMBUSTION - COAL

COMPANY NAME/SITE LOCATION HOLYOKE WATER POWER CO., MT. TOM PWR PL*

HOLYOKE, MA

DETERMINATION IS RACT FOR A MODIFIED SOURCE.

PERMIT NO. APPR. LTR 10-27-82

DATE OF PERMIT ISSUANCE-- 10/27/82

ESTIMATED DATE OF START-UP-- 1981

DETERMINATION MADE BY MASSACHUSETTS DEQE - AIR
(AGENCY)

DAVID HOWLAND
(AGENCY CONTACT PERSON)

(617)-727-8640
(PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
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COAL COMBUSTION	1447.00 MMBTU/H	S	1.2100 LB/MMBTU MONTHLY AV	RACT
			1.6000 LB/MMBTU DAILY AV	
		PM	0.0800 LB/MMBTU	RACT
			ESP	99.51
		NOX		

NOTES -----

ONE UNIT - 155 MW. VOLUNTARY COAL CONVERSION

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
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APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

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SOURCE TYPE/SIZE---	EXTERNAL COMBUSTION - COAL	550.00 MW
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COMPANY NAME/SITE LOCATION	HOUSTON LIGHTING & POWER	HOUSTON, TX
----------------------------	--------------------------	-------------

DETERMINATION IS BACT FOR A NEW SOURCE.		DATE OF PERMIT ISSUANCE-- 10/28/77
PERMIT NO. PSD-TX-33		ESTIMATED DATE OF START-UP--
DETERMINATION MADE BY	EPA REGION VI (AGENCY)	TOM DIGGS (AGENCY CONTACT PERSON)
		(214)-767-1594 (PHONE)

=====

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
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COAL FIRED STEAM ELECT. GEN	550.00 MW			
		SO2	1.2000 LB/MMBTU 573.0000 LB/H	
			LOW S WESTERN COAL	
		PM	0.1000 LB/MMBTU	

NOTES -----

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

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ID NUMBER TX-0005

SOURCE TYPE CODE 1.1

APPENDIX -- DETAILED SOURCE LISTING

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=====
SOURCE TYPE/SIZE---      EXTERNAL COMSUSTION - COAL                      550.00 MW
-----
COMPANY NAME/SITE LOCATION  HOUSTON LIGHTING & POWER                      THOMPSONS, TX
-----
                                FORT BEND COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. PSD-TX-234
DETERMINATION MADE BY      EPA REGION VI              JOHN BUNYAK
                                (AGENCY)              (AGENCY CONTACT PERSON)
                                DATE OF PERMIT ISSUANCE-- 11/12/81
                                ESTIMATED DATE OF START-UP--
                                (214)-767-1594
                                (PHONE)
=====

```

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=====
PROCESSES SUBJECT          THROUGHPUT    POLLUTANT    EMISSION LIMITS          ... & BASIS
TO THIS PERMIT            CAPACITY      EMITTED      CONTROL EQUIPMENT OR PROCESS MODIFICATION ... PCT EFF
-----
COAL FIRED BOILER         5729.00 MMBTU/H

                                SO2          0.3600 LB/MMBTU          NSPS
                                LIMESTONE SCRUBBER          70.00
                                NOX          0.5000 LB/MMBTU          NSPS
                                02 CONTROLS, TANGENTIAL BURNERS
                                CO           0.0590 LB/MMBTU
                                02 CONTROLS
                                PM           0.0300 LB/MMBTU          NSPS
                                FABRIC FILTER          99.72

LIMESTONE UNLOAD

                                PM           0.1000 LB/H          BACT
                                WET SUPPRESION/BOTTOM DUMP          90.00

ACTIVE LIMESTONE PILE

                                PM           0.1000 LB/H          BACT
                                ENCLOSED

INACTIVE LIMESTONE PILE

                                PM           0.1000 LB/H          BACT
                                ENCLOSED
=====

```

(CONTINUED) HOUSTON LIGHTING & POWER

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
LIMESTONE CONVEYERS & TRANSFER *		PM	0.5000 LB/H ENCLOSED	BACT 90.00
LIMESTONE CRUSHER		PM	0.1000 LB/H BAGHOUSE	BACT 99.50
LIMESTONE FEED SILO		PM	0.1000 LB/H BAGHOUSE	BACT 99.50
FLY ASH MIX TANK		PM	0.7000 LB/H WILL BE A SLURRY	BACT

NOTES -----

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

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APPENDIX -- DETAILED SOURCE LISTING

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SOURCE TYPE/SIZE---	EXTERNAL COMBUSTION - COAL	727.00 MW
---------------------	----------------------------	-----------

COMPANY NAME/SITE LOCATION	IA SOUTHERN UTILITIES (CENTERVILLE, IA.) OTTUMWA STATION	(NEAR) CHILLICOTHE, IA	WAPELLO COUNTY
----------------------------	---	------------------------	----------------

DETERMINATION IS BACT FOR A NEW SOURCE.		DATE OF PERMIT ISSUANCE--	12/01/76
PERMIT NO.		ESTIMATED DATE OF START-UP--	1980
DETERMINATION MADE BY	EPA REGION VII (AGENCY)	CHARLES WHITMORE (AGENCY CONTACT PERSON)	(816)-374-6525 (PHONE)

=====

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

BOILER, STEAM GEN, COAL FIRED		SO2	1.2000 LB/MMBTU LOW S COAL	BACT
		PM	0.1000 LB/MMBTU ESP	BACT

NOTES -----

THE PERMIT WAS AMENDED ON 03/30/78 TO ADDRESS PARTICULATE MATTER.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

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PAGE G- 37	ID NUMBER IA-0007	INITIAL REVIEW POST STARTUP REVIEW STATUS: 04/01/1983	SOURCE TYPE CODE 1.1
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APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

=====

SOURCE TYPE/SIZE---

EXTERNAL COMBUSTION - COAL

165.00 MMBTU/H

COMPANY NAME/SITE LOCATION

IDAHO NAT ENGINEERING LAB.

IDAHO FALLS, ID

DETERMINATION IS BACT FOR A NEW SOURCE.

DATE OF PERMIT ISSUANCE-- 06/05/81

PERMIT NO. (REGION FILE NO.) PSD-X81-11

ESTIMATED DATE OF START-UP-- 1983

DETERMINATION MADE BY EPA REGION X

DAVID TETTA
(AGENCY CONTACT PERSON)(206)-442-1193
(PHONE)

=====

PROCESSES SUBJECT
TO THIS PERMITTHROUGHPUT
CAPACITYPOLLUTANT
EMITTED

EMISSION LIMITS

CONTROL EQUIPMENT OR PROCESS MODIFICATION

... & BASIS

... PCT EFF

BOILERS, 2

82.50 M EA

SO2

99.2000 LB/H

BACT

FLUIDIZED BED

NOX

0.5000 LB/MMBTU

BACT

COMBUSTION CONTROLS

PM

0.0500 GR/DSCF

BACT

BAGHOUSE

99.00

FUGITIVE EMISSIONS

PM

0.0100 GR/ACF

BAGHOUSE

99.00

NOTES -----

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

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ID NUMBER ID-0002

SOURCE TYPE CODE 1.1

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

=====

SOURCE TYPE/SIZE---	EXTERNAL COMBUSTION - COAL	980.00 MW
---------------------	----------------------------	-----------

COMPANY NAME/SITE LOCATION	INDIANA STATEWIDE RURAL ELEC. COOP., ME*	, IN	SULLIVAN COUNTY
----------------------------	--	------	-----------------

DETERMINATION IS BACT FOR A NEW SOURCE.		DATE OF PERMIT ISSUANCE--	06/28/77
PEPHIT NO. EPA-5-77-A-7		ESTIMATED DATE OF START-UP--	
DETERMINATION MADE BY	EPA REGION V	BONIFACE THAYIL	(312)-836-6054
	(AGENCY)	(AGENCY CONTACT PERSON)	(PHONE)

=====

PROCESSES SUBJECT TO THIS PEPHIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
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BOILER, COAL FIRED, 2 EA	490.00 MW	PM	0.1000 LB/MMBTU	NSPS
		SO2	1.2000 LB/MMBTU	NSPS

NOTES -----

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

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=====
SOURCE TYPE/SIZE---      EXTERNAL COMBUSTION - COAL      2600.00 MW
-----
COMPANY NAME/SITE LOCATION  INDIANA & MICHIGAN ELEC. CO., ROCKPORT *      ROCKPORT, IN
-----
DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. EPA-5-78-A-1
DETERMINATION MADE BY      EPA REGION V      BONIFACE THAYIL      DATE OF PERMIT ISSUANCE-- 10/27/77
                           (AGENCY)          (AGENCY CONTACT PERSON)  ESTIMATED DATE OF START-UP--
                           (AGENCY)          (AGENCY CONTACT PERSON)  (312)-886-6054
                           (AGENCY)          (AGENCY CONTACT PERSON)  (PHONE)
=====
  
```

```

=====
PROCESSES SUBJECT          THROUGHPUT          POLLUTANT          EMISSION LIMITS          ... & BASIS
TO THIS PERMIT             CAPACITY           EMITTED            CONTROL EQUIPMENT OR PROCESS MODIFICATION ... PCT EFF
-----
BOILER, COAL FIRED, 2 EA    1300.00 MW
                           PM          0.1000 LB/MMBTU          NSPS
                           SO2         1.2000 LB/MMBTU          NSPS
  
```

NOTES -----

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
 REVIEW STATUS: 04/01/1983

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

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=====
SOURCE TYPE/SIZE---      EXTERNAL COMBUSTION - COAL      1950.00 MW
-----
COMPANY NAME/SITE LOCATION  INDIANAPOLIS POWER & LIGHT CO., PATRIOT*      , IN      SWITZERLAND COUNTY
-----
DETERMINATION IS BACT FOR A NEW SOURCE.      DATE OF PERMIT ISSUANCE-- 12/14/79
PERMIT NO. EPA-5-A-80-8      ESTIMATED DATE OF START-UP--
DETERMINATION MADE BY      EPA REGION V      BONIFACE THAYIL      (312)-886-6054
      (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	650.00 MW	PM	0.0300 LB/MMBTU	
		SO2	0.5500 LB/MMBTU	
			SCRUBBER	91.00
		NOX	0.6000 LB/MMBTU	

NOTES -----

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

=====

SOURCE TYPE/SIZE---

EXTERNAL COMBUSTION - COAL

1640.00 MW

COMPANY NAME/SITE LOCATION

INTERMOUNTAIN POWER PROJECT

LYNDLE, UT

DETERMINATION IS BACT FOR A MODIFIED SOURCE.

DATE OF PERMIT ISSUANCE-- 10/17/83

PERMIT NO.

ESTIMATED DATE OF START-UP-- 1985

DETERMINATION MADE BY

UTAH BAQ

DAVID KAPTA

(801)-533-6108

(AGENCY)

(AGENCY CONTACT PERSON)

(PHONE)

=====

PROCESSES SUBJECT
TO THIS PERMITTHROUGHPUT
CAPACITYPOLLUTANT
EMITTED

EMISSION LIMITS

CONTROL EQUIPMENT OR PROCESS MODIFICATION ... & BASIS

8352.00 MMBTU

BOILER, COAL FIRED, 3

PM

0.0200 LB/MMBTU

BACT

FABRIC FILTER

99.80

SO2

0.0150 LB/MMBTU

BACT

LIMESTONE SCRUB

90.00

NOX

0.5500 LB/MMBTU

BACT

COMBUSTION CONTROL

VE

20.0000 % OPACITY

BACT

FABRIC FILTER

COAL HANDLING, UNLOADING, CRUSH*

5.00 MMT/YR

PM

0.0240 GR/DSCF

BACT

13 FABRIC FILTERS

99.00

VE

20.0000 % OPACITY

BACT

13 FABRIC FILTERS

COAL, LIMESTONE, ASH HANDLING

5.00 MMT/YR

VE

20.0000 % OPACITY

BACT

WET SUPPRESSION

50.00

NOTES -----

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

=====

REVIEW STATUS:

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ID NUMBER UT-0009A

SOURCE TYPE CODE 1.1

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

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=====
SOURCE TYPE/SIZE---      EXTERNAL COMBUSTION - COAL              3000.00 MW
-----
COMPANY NAME/SITE LOCATION  INTERMOUNTAIN PWR PROJECT-IPP              NEAR LYNNDYL, UT
-----
                                                                    MILLARD COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO.
DETERMINATION MADE BY      EPA REGION VIII              JOHN DALE
                           (AGENCY)                  (AGENCY CONTACT PERSON)
                                                                    DATE OF PERMIT ISSUANCE-- 06/08/80
                                                                    ESTIMATED DATE OF START-UP--
                                                                    (303)-837-3763
                                                                    (PHONE)
=====

```

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=====
PROCESSES SUBJECT          THROUGHPUT    POLLUTANT    EMISSION LIMITS          ... & BASIS
TO THIS PERMIT            CAPACITY      EMITTED      CONTROL EQUIPMENT OR PROCESS MODIFICATION ... PCT EFF
-----
ASH UNLOAD
                                PM          64.0000 LB/H              BACT
                                HYDROMIXER              99.00
                                VE          20.0000 % OPACITY

4 BOILERS                    3000.00 MW
                                CO          1248.0000 LB/H              BACT
                                VOC          375.0000 LB/H              BACT
                                NOX         0.5500 LB/MMBTU          BACT
                                DESIGN              65.00
                                PM          0.0200 LB/MMBTU          BACT
                                ESP              99.80
                                SO2         0.1500 LB/MMBTU          BACT
                                SCRUBBER              90.00
                                VE          20.0000 % OPACITY

COAL CONV                    10.00 MMT/YR
                                PM          17.0000 LB/H              BACT
                                ENCLOSURE              90.00
                                VE          20.0000 % OPACITY

COAL CRUSHING                10.00 MMT/YR
                                PM          1.0000 LB/H              BACT
                                BAGHOUSE              99.80
                                VE          20.0000 % OPACITY
=====

```

(CONTINUED) INTERMOUNTAIN PWR PROJECT-IPP

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
COAL STORAGE	10.00 MMT/YR	PM	27.0000 LB/H CRUSHING MGMT	BACT 90.00
COAL UNLOAD	10.00 MMT/YR	VE	20.0000 % OPACITY	
		PM	2.0000 LB/H WET SUPPRES.	BACT 98.50
		VE	20.0000 % OPACITY	
HAUL ROADS		PM	1.0000 LB/H CHEM. SUPPRES.	BACT 85.00
LIME STORAGE		PM	0.1000 LB/H BAGHOUSE	BACT 99.80
		VE	20.0000 % OPACITY	
CONV/TRANSFER	10.00 MMT/YR	PM	4.0000 LB/H BAGHOUSE	BACT 98.80
		VE	20.0000 % OPACITY	

NOTES -----

THIS PROJECT IS UNDER CURRENT RE-REVIEW SINCE THE PROJECT HAS BEEN DOWN SIZED TO 2 UNITS VERSES THE ORIG.4. STRONGLY RECOMMEND
THIS BE DELETED ANDWE WILL UPDATE THE ABOVE INFO AS SOON AS RE-EVALUATION IS COMPLETED (PROB. MAY 1983.
CEM QA REQUIRED BY 40CFR, PART 60, SUBPART DA.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

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=====
SOURCE TYPE/SIZE---      EXTERNAL COMBUSTION - COAL                      650.00 MW
-----
COMPANY NAME/SITE LOCATION  IOWA ELECTRIC LIGHT & POWER CO.                PANORA, IA
                                                                    GUTHRIE COUNTY
-----
DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO.
DETERMINATION MADE BY      EPA REGION VII                      STEVE KOVAC
                           (AGENCY)                          (AGENCY CONTACT PERSON)
                                                                    DATE OF PERMIT ISSUANCE-- 10/29/82
                                                                    ESTIMATED DATE OF START-UP--
                                                                    (816)-374-6525
                                                                    (PHONE)
=====

```

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
STEAM GENERATING COAL-FIRED BOI*	400.00 T/H COAL	SO2	0.6000 LB/MMBTU DAILY MAX WET LIMESTONE SCRUBBER LOW S COAL	BACT
		NOX	0.5000 LB/MMBTU 300 R AV COMBUSTION DESIGN	BACT
		PM	0.0300 LB/MMBTU ELECT. PRECIP.	
		VE	20.0000 % OPACITY	BACT
MATERIAL HANDLING		PM	0.0100 GR/DSCF BAGHOUSES	BACT
		VE	20.0000 % OPACITY	BACT

NOTES -----
SOURCE IS SUBJECT TO NSPS, SUBPART DA

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

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ID NUMBER IA-0011

SOURCE TYPE CODE 1.1

APPENDIX -- DETAILED SOURCE LISTING

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SOURCE TYPE/SIZE--- EXTERNAL COMBUSTION - COAL 600.00 MW

COMPANY NAME/SITE LOCATION ICHA-ILLINOIS GAS & ELECT. , IA
LOUISA STATION LOUISA COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE. DATE OF PERMIT ISSUANCE-- 06/16/81
PERMIT NO. ESTIMATED DATE OF START-UP-- 1983
DETERMINATION MADE BY EPA REGION VII CHARLES WHITMORE
(AGENCY) (AGENCY CONTACT PERSON) (816)-374-6525
(PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BOILER	7000.00 MMBTU/H	NOX	0.6000 LB/MMBTU BOILER DESIGN	BACT
		PM	0.0300 LB/MMBTU ESP	BACT
		SO2	0.8600 LB/MMBTU 24H AV 1.0500 LB/MMBTU 3H AV LOW S COAL	BACT

NOTES -----
PERMIT ORIGINALLY ISSUED 07/07/79.
53600.0 LB/DAY TOTAL ALLOWED

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE. INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983
PAGE G- 46 ID NUMBER IA-0002 SOURCE TYPE CODE 1.1

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

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SOURCE TYPE/SIZE---	EXTERNAL COMBUSTION - COAL	600.00 MW
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COMPANY NAME/SITE LOCATION	JACKSONVILLE ELECT. AUTHORITY NORTHSIDE	JACKSONVILLE, FL 32208	DUVAL COUNTY
----------------------------	--	------------------------	--------------

DETERMINATION IS BACT FOR A NEW SOURCE.		DATE OF PERMIT ISSUANCE-- 01/01/82
PERMIT NO. (REGION FILE NO.) PSD-FL-010		ESTIMATED DATE OF START-UP-- 1986
DETERMINATION MADE BY	FLORIDA DER	(904)-488-1344
	(AGENCY)	(PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
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STEAM GEN. UNIT	600.00 MW EA			
		SO2	0.7600 LB/MMBTU LIME/LIMESTONE FGD	BACT 90.00
		PM	0.0300 LB/MMBTU ESP	NSPS 99.78
		NOX	0.6000 LB/MMBTU BOILER DESIGN	NSPS

NOTES -----
TWO UNITS AT 600.0 MW EACH.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
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APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

=====

SOURCE TYPE/SIZE---	EXTERNAL COMBUSTION - COAL	630.00 MW	

COMPANY NAME/SITE LOCATION	KANSAS CITY POWER & LIGHT IATAN STATION	IATAN, MO	PLATTE COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.		DATE OF PERMIT ISSUANCE-- 01/07/77	
PERMIT NO.		ESTIMATED DATE OF START-UP-- 1981	
DETERMINATION MADE BY	EPA REGION VII (AGENCY)	DANIEL RODRIGUEZ (AGENCY CONTACT PERSON)	(816)-374-6525 (PHONE)

=====

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

BOILER, COAL FIRED, PULV.	630.00 MW	PM	0.1000 LB/MMBTU ESP	BACT 99.40
		SO2	1.2000 LB/MMSTU LOW S WESTERN COAL	BACT
		NOX	0.7000 LB/MMBTU BOILER DESIGN	NSPS

NOTES -----

THE UNIT IS SUBJECT TO NSPS, SBPART D. THE PSD REGS. ADDRESSED ONLY PM AND SO2.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

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SOURCE TYPE/SIZE---	EXTERNAL COMBUSTION - COAL	2880.00 MW (TOTAL, 4 UNIT C*
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COMPANY NAME/SITE LOCATION	KANSAS POWER & LIGHT CO. JEFFREY ENERGY CENTER	ST. MARY'S, KS	POTTAWATOMIE COUNTY
----------------------------	---	----------------	---------------------

DETERMINATION IS BACT FOR A MODIFIED SOURCE.		DATE OF PERMIT ISSUANCE--	03/30/78
PERMIT NO.		ESTIMATED DATE OF START-UP--	1984
DETERMINATION MADE BY	EPA REGION VII (AGENCY)	DANIEL RODRIGUEZ (AGENCY CONTACT PERSON)	(816)-374-6525 (PHONE)

=====

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
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COAL FIRED BOILERS, UNITS 3 AND*	720.00 MW EA	SO2	1.2000 LB/MMBTU WET LIMESTONE SPRAY TOWERS	BACT 60.00
		PM	0.1000 LB/MMBTU 2 COLD SIDE ESP'S PER UNIT	BACT 99.20
		NOX	0.7000 LB/MMBTU BOILER DESIGN	NSPS

NOTES -----

THE UNITS ARE SUBJECT TO NSPS, SUBPART D. BACT EMISSION LIMITS FOR NOX AND CO WERE NOT SET BECAUSE THE REGS. ADDRESSED ONLY PM AND SO2. PLANT NAME: JEFFREY ENERGY CENTER.
UNITS 1 AND 2 WERE NOT SUBJECT TO PSD REVIEW. UNIT 3 STARTUP 1982. UNIT 4 STARTUP 1984.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

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APPENDIX -- DETAILED SOURCE LISTING

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SOURCE TYPE/SIZE---	EXTERNAL COMBUSTION - COAL	1300.00 MW	

COMPANY NAME/SITE LOCATION	KENTUCKY POWER - CARR'S FAC. LEWIS COUNTY POWER PLANT	ASHAD, KY	LEWIS COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.		DATE OF PERMIT ISSUANCE-- 04/18/80	
PERMIT NO. C-80-42		ESTIMATED DATE OF START-UP-- 1989	
DETERMINATION MADE BY	KENTUCKY DAPC	BILL DILLS	(502)-564-3382
	(AGENCY)	(AGENCY CONTACT PERSON)	(PHONE)

=====

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

POWER BOILER	11943.00 MMBTU/H EA			
		SO2	0.6000 LB/MMBTU FGD	BACT 95.00
		PM	0.0300 LB/MMBTU ESP	BACT 99.81
		NOX	0.6000 LB/MMBTU BOILER DESIGN & OPERATION	BACT

NOTES -----
TWO UNIT COAL BURNING POWER PLANT

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

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APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

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=====
SOURCE TYPE/SIZE---      EXTERNAL COMBUSTION - COAL      1300.00 MW
-----
COMPANY NAME/SITE LOCATION KENTUCKY UTILITIES - HANCOCK POWER PLANT      LEXINGTON, KY
-----
DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. C-82-123
DETERMINATION MADE BY      KENTUCKY DAPC      BILL DILLS      DATE OF PERMIT ISSUANCE-- 04/15/82
                           (AGENCY)          (AGENCY CONTACT PERSON)  ESTIMATED DATE OF START-UP-- 1990
                                           (502)-564-3382
                                           (PHONE)
=====

```

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
UNIT #1	6650.00 MMBTU/H	PM	0.0300 LB/MMBTU 874.0000 T/YR ESP	99.80
		CO	1397.0000 T/YR	
		SO2	1.2000 LB/MMBTU 15768.0000 T/YR WET SCRUBBER	91.80
		NOX	0.6000 LB/MMBTU 17476.0000 T/YR	
UNIT #2	6650.00 MMBTU/H	PM	0.0300 LB/MMBTU 874.0000 T/YR ESP	99.80
		CO	1397.0000 T/YR	
		SO2	1.2000 LB/MMBTU 15768.0000 T/YR WET SCRUBBER	91.80
		NOX	0.6000 LB/MMBTU 17476.0000 T/YR	

NOTES -----

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

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ID NUMBER KY-0027

SOURCE TYPE CODE 1.1

APPENDIX -- DETAILED SOURCE LISTING

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=====

SOURCE TYPE/SIZE---	EXTERNAL COMBUSTION - COAL		
COMPANY NAME/SITE LOCATION	LOUISVILLE GAS & ELECT. - TRIMBLE CNTY *	WISES LANDING, KY	TRIMBLE COUNTY
DETERMINATION IS PERMIT NO. C-78-34 DETERMINATION MADE BY	KENTUCKY DAPC (AGENCY)	BILL DILLS (AGENCY CONTACT PERSON)	DATE OF PERMIT ISSUANCE-- 12/27/78 ESTIMATED DATE OF START-UP-- 1986 (502)-564-3332 (PHONE)

=====

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
INDIRECT HEAT EXCHANGER	4851.00 MMBTU/H	PM	0.1000 LB/MMBTU 1275.0000 T/YR ESP	99.60
		SO2	1.2000 LB/MMBTU 10790.0000 T/YR WET SCRUBBER	90.00
		NOX	0.7000 LB/MMBTU 8924.0000 T/YR	

NOTES -----
UNIT NUMBER 1

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

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ID NUMBER KY-0025

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

SOURCE TYPE CODE 1.1

APPENDIX -- DETAILED SOURCE LISTING

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=====

SOURCE TYPE/SIZE---

EXTERNAL COMBUSTION - COAL

COMPANY NAME/SITE LOCATION

LOUISVILLE GAS & ELECT. - WISE'S LANDIN*

, KY

DETERMINATION IS BACT FOR A NEW SOURCE.

PERMIT NO. C-79-53

DETERMINATION MADE BY

KENTUCKY DAPC
(AGENCY)BILL DILLS
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 03/01/79

ESTIMATED DATE OF START-UP-- 1988

(502)-564-3382

(PHONE)

=====

PROCESSES SUBJECT
TO THIS PERMITTHROUGHPUT
CAPACITYPOLLUTANT
EMITTED

EMISSION LIMITS

CONTROL EQUIPMENT OR PROCESS MODIFICATION

... & BASIS

... PCT EFF

INDIRECT HEAT EXCHANGER 4851.00 MMBTU/H

PM

0.1000 LB/MMBTU

1275.0000 T/YR

ESP

99.60

SO2

1.2000 LB/MMBTU

10790.0000 T/YR

WET SCRUBBER

90.00

NOX

0.7000 LB/MMBTU

8924.0000 T/YR

NOTES -----

UNIT NUMBER 2.

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ID NUMBER KY-0024

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

SOURCE TYPE CODE 1.1

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

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=====
SOURCE TYPE/SIZE---      EXTERNAL COMBUSTION - COAL      4735.00 MMBTU/H
-----
COMPANY NAME/SITE LOCATION LOWER COLORADO RIVER AUTHORITY      , TX      FAYETTE COUNTY
-----
DETERMINATION IS BACT FOR A NEW SOURCE.      DATE OF PERMIT ISSUANCE-- 12/22/83
PEPHIT NO. 9231-34      ESTIMATED DATE OF START-UP-- 1984
DETERMINATION MADE BY    TEXAS ACS      JIM 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
BOILER, LIGNITE FIRED	4735.00 MMBTU/H	H2S*	954.7000 T/YR	BACT
		PM	622.0000 T/YR	B/N
			ESP	99.96
		HG	0.1300 T/YR	BACT
		VOC	168.2000 T/YR	BACT
		NOX	12350.2000 T/YR	B/N
			BURNER DESIGN	
		SO2	20736.9000 T/YR	B/N
			LIMESTONE SCRUBBER	90.00
		CO	2627.7000 T/YR	BACT
COAL HANDLING, CONVEYING SYS.	1200.00 T/H	PM	53.8000 T/YR	BACT
			COVERS & WETTING AGENTS	
COAL HANDLING, STORAGE	1800.00 T/H	PM	32.9000 T/YR	BACT
			BAGHOUSE	99.00
			WET SPRAY	
ASH HANDLING	300.00 T/H	PM	4.7000 T/YR	BACT
			BAGHOUSE	99.00
			WET UNLD MIXERS	

(CONTINUED) LOWER COLORADO RIVER AUTHORITY

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
LIMESTONE HANDLING	300.00 T/H	PM	0.7000 T/YR ENCLOSURE	BACT

NOTES -----

ALT. EMISSION LIMITS ON BOILER ARE -- 0.6 LB/MMBTU NOX, 0.03 LB/MMBTU PM, 1.0 LB/MMBTU SO2.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 05/04/1984

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

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=====
SOURCE TYPE/SIZE---      EXTERNAL COMBUSTION - COAL      517.60 MMBTU/H
-----
COMPANY NAME/SITE LOCATION  MARQUETTE BOARD OF LT & PWR      MARQUETTE, MI 49855
                           SHIRAS GENERATING STA.      MARQUETTE COUNTY
-----
DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 65-80
DETERMINATION MADE BY      MICHIGAN DNR      DAVID FERRIER
                           (AGENCY)      (AGENCY CONTACT PERSON)
                                           DATE OF PERMIT ISSUANCE-- 04/01/80
                                           ESTIMATED DATE OF START-UP-- 1982
                                           (517)-322-1333
                                           (PHONE)
=====

```

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BOILER, COAL-FIRED	517.60 MMBTU/H	PM	0.0300 LB/MMBTU BAGHOUSE	99.90
		SO2	0.4000 LB/MMBTU SPRAY LINE FGD UNIT LOW SULFUR WESTERN COAL	70.00
		NOX	0.5000 LB/MMBTU LONG. FIRING + EXCESS AIR CON.	
COAL & ASH HANDLING & STORAGE		PM	0.0300 GR/DSCF BAG FILTER CONTROL ENCLOSURES, DUST SUPPRESSANTS	99.90

NOTES -----

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

 INITIAL REVIEW POST STARTUP
 REVIEW STATUS: 04/01/1983 03/13/1984

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

=====

SOURCE TYPE/SIZE---	EXTERNAL COMBUSTION - COAL	500000.00 LB/H

COMPANY NAME/SITE LOCATION	MICHIGAN SOUTH CENTRAL POWER AGENCY	LITCHFIELD, MI 49242
		HILLSDALE COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.		DATE OF PERMIT ISSUANCE-- 05/16/80
PERMIT NO. 607-78		ESTIMATED DATE OF START-UP-- 1982
DETERMINATION MADE BY	MICHIGAN DNR	GREGORY EDWARDS
	(AGENCY)	(AGENCY CONTACT PERSON)
		(517)-322-1333
		(PHONE)

=====

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

COAL-FIRED BOILER	500000.00 LB/H	PM	0.0300 LB/MMBTU ESP	99.70
		SO2	LIMESTONE SPRAY SCRUB	NSPS
		NOX	0.6000 LB/MMBTU CONTRL EXCESS & OVERFIRE AIR	90.00

NOTES -----

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1993 03/13/1994

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ID NUMBER MI-0001

SOURCE TYPE CODE 1.1

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

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=====
SOURCE TYPE/SIZE---      EXTERNAL COMBUSTION - COAL      500.00 MW
-----
COMPANY NAME/SITE LOCATION MINN. POWER & LIGHT CO., CLAY-BOSWELL      COHASSET, MN
-----
DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. EPA-5-77-A-6
DETERMINATION MADE BY      EPA REGION V      BONIFACE THAYIL      DATE OF PERMIT ISSUANCE-- 06/16/77
                           (AGENCY)          (AGENCY CONTACT PERSON) ESTIMATED DATE OF START-UP--
                                           (312)-886-6054
                                           (PHONE)
=====
  
```

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BOILER, COAL FIRED	500.00 MW	PM SO2	0.1000 LB/MMBTU 1.2000 LB/MMBTU	NSPS NSPS

NOTES -----

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

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=====
SOURCE TYPE/SIZE---      EXTERNAL COMBUSTION - COAL      98.30 MMBTU/H
-----
COMPANY NAME/SITE LOCATION MORGANTOWN ENERGY RESEARCH CENTER      MORGANTOWN, WV
                           MORGANTOWN ENERGY RESEARCH CE*      MONONGALIA COUNTY
-----
DETERMINATION IS BACT FOR A NEW SOURCE.      DATE OF PERMIT ISSUANCE-- 09/20/79
PERMIT NO. 78WV08      ESTIMATED DATE OF START-UP--
DETERMINATION MADE BY    EPA REGION III      EILEEN GLEN      (215)-597-8187
                           (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
-----
FLUIDIZED BED BOILER      98.30 MMBTU/H
                           PM      5.4000 LB/H      BACT
                           CENTRIF. COLL. & FABRIC FILTER      99.00
                           SO2      86.0000 LB/H      BACT
                           NOX      34.0000 LB/H      BACT
COAL/LIMESTONE DRYER      52.00 CF/H
                           FABRIC FILTER      99.00
COAL/LIMESTONE DRYER      13230.00 T COAL
COAL/LIMESTONE DRYER      6600.00 T LIMESTONE
COAL/LIMESTONE UNLOAD      20000.00 T COAL LIME*
                           FABRIC FILTER      99.90
COAL/LIMESTONE CONVEYORS      20000.00 T COAL LIME*
                           FABRIC FILTER      99.90
=====

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NOTES -----
PROJECT CANCELLED

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(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.      INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983
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PAGE G- 59      ID NUMBER WV-0006      SOURCE TYPE CODE 1.1
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APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

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=====
SOURCE TYPE/SIZE---      EXTERNAL COMBUSTION - COAL                      166.00 MW (GROSS)
-----
COMPANY NAME/SITE LOCATION  MUSCATINE POWER & WATER                      MUSCATINE, IA                      MUSCATINE COUNTY
-----
DETERMINATION IS  B/L FOR A MODIFIED SOURCE.
PEPHIT NO.
DETERMINATION MADE BY      EPA REGION VII                      DANIEL RODRIGUEZ                      DATE OF PERMIT ISSUANCE-- 01/24/80
                           (AGENCY)                      (AGENCY CONTACT PERSON)              ESTIMATED DATE OF START-UP--
                                           (PHONE)                             (816)-374-6525
=====

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=====
PROCESSES SUBJECT          THROUGHPUT    POLLUTANT    EMISSION LIMITS    ... & BASIS
TO THIS PERMIT            CAPACITY     EMITTED      CONTROL EQUIPMENT OR PROCESS MODIFICATION ... PCT EFF
-----
BOILER, UNIT #9, COAL/OIL/GAS  166.00 MW
                                PM           0.0300 LB/MMSTU    COLDSIDE ESP                      LAER
                                SO2          0.4500 LB/MMSTU 300 R AV              99.70
                                0.5600 LB/MMSTU MAX D AV          LAER
                                NOX          0.6000 LB/MMSTU  WET-LIMESTONE SCRUBBER      92.00
                                BOILER DESIGN                      BACT
COAL HANDLING
                                PM           0.0100 GR/SCF    BAGHOUSE                          LAER
                                99.99
ASH HANDLING
                                PM           0.0200 GR/SCF    BAGHOUSE                          LAER
                                99.98
=====

```

NOTES -----

LAER'S ESTABLISHED BY THE IOWA DEPT. OF ENVIRONMENTAL QUALITY, CONTACT - AFTER 7/1/83, THE IOWA DEPT. OF WATER, AIR, & WASTE M
ANAGEMENT, 515-281-8924. UNIT 9 WILL BURN SOUTHERN ILL. COAL. SO2 & PM OFFSETS WILL BE OBTAINED.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

=====

SOURCE TYPE/SIZE---	EXTERNAL COMBUSTION - COAL	650.00 MW
COMPANY NAME/SITE LOCATION	NE PUBLIC POWER DIST./GENTLEMAN #2 GERALD GENTLEMAN STATION (UNI*	SUTHERLAND, NE LINCOLN COUNTY
DETERMINATION IS BACT FOR A NEW SOURCE.		DATE OF PERMIT ISSUANCE-- 02/09/77
PERMIT NO.		ESTIMATED DATE OF START-UP--
DETERMINATION MADE BY	EPA REGION VII (AGENCY)	CHARLES WHITMORE (AGENCY CONTACT PERSON) (816)-374-6525 (PHONE)

=====

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BOILER, STEAM GEN, COAL FIRED	650.00 MW	SO2	1.2000 LB/MMBTU LOW S COAL	BACT
		PM	0.1000 LB/MMBTU ESP	BACT

NOTES -----

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: 04/01/1983
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APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

=====

SOURCE TYPE/SIZE---	EXTERNAL COMBUSTION - COAL	650.00 MW

COMPANY NAME/SITE LOCATION	NEBRASKA PUBLIC POWER DIST. COMSTOCK STATION	, NE

DETERMINATION IS BACT		DATE OF PERMIT ISSUANCE-- 12/16/80
PERMIT NO.		ESTIMATED DATE OF START-UP--
DETERMINATION MADE BY	NEBRASKA DEC (AGENCY)	GENE ROBINSON (AGENCY CONTACT PERSON)
		(402)-471-2186 (PHONE)

=====

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

BOILER	650.00 MW	PM	0.0300 LB/MMBTU FABRIC FILTER	99.90
		SO2	70.0000 % REMOVAL 0.3600 LB/MMBTU 30D AV DRY SCRUBBER	70.00
		NOX	0.5000 LB/MMBTU 30D AV	
		CO	50.0000 PPM	
COAL HANDLING		PM	20.0000 % OPACITY FABRIC FILTER	99.90

NOTES -----

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

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REVIEW STATUS: 04/01/1983

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ID NUMBER NE-0002

SOURCE TYPE CODE 1.1

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

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=====
SOURCE TYPE/SIZE---      EXTERNAL COMBUSTION - COAL      560.00 MW EA
-----
COMPANY NAME/SITE LOCATION NEVADA POWER CO.      , NV
                          25 MILES NE OF LAS VEGAS
-----

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. NV-77-01
DETERMINATION MADE BY      EPA REGION IX      LARRY BOWERMAN      DATE OF PERMIT ISSUANCE-- 04/13/81
                          (AGENCY)      (AGENCY CONTACT PERSON)      ESTIMATED DATE OF START-UP-- 1990
                                          (415)-974-8213
                                          (PHONE)
=====

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=====
PROCESSES SUBJECT      THROUGHPUT      POLLUTANT      EMISSION LIMITS      ... & BASIS
TO THIS PERMIT      CAPACITY      EMITTED      CONTROL EQUIPMENT OR PROCESS MODIFICATION      ... PCT EFF
-----
BOILERS, 4 EA      560.00 MW

CO      320.0000 LB/H      BACT
      50.0000 PPM AT 20% EXCESS AIR
      PROPER BOILER DESIGN
      EXCESS AIR MONITORING

NOX      2498.0000 LB/H      BACT
      0.4400 LB/MMBTU
      PROPER BOILER DESIGN W/ COMBUSTION AND LOW NOX*

SO2      566.0000 LB/H      BACT
      0.1000 LB/MMBTU
      ONE (1) WET LIME SCRUBBER
      TWO (2) STANDBY MODULES TO IMPROVE SYSTEM RELI*

PM      0.0150 LB/MMBTU      BACT
      10.0000 % OPACITY
      BAGHOUSE, UNLESS ESP DESIGN APPROVED

VOC      PROPER BOILER DESIGN
      COMBUSTION MONITORS

PB      BACT
BE      NONE
      SAME AS LEAD
HG      NONE
=====

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		FM AND SO2 CONTROLS EQUIPMENT
		MONITOR HG CONTENT IN COAL
F	9.0000	LB/H
		SAME AS MERCURY
H2S*	13.0000	LB/H
		SAME AS MERCURY W/O COAL MONITORING

(CONTINUED) NEVADA POWER CO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
COAL FIRED BOILERS, 4	31250.00 T/D	PM	11.4000 T/YR VENTURIES TO WET SCRUBBER OR BAGHOUSE ENCLOSURE AND WETTING TRANSFER POINTS	99.00
ACTIVE COAL STORAGE SILOS		PM	TRACE BAGHOUSE ON SILO VENTS	95.00
COAL DEWATERING PLANT		CO	26.0000 LB/H 50.0000 PPM SAME AS FOR BOILERS	
		NOX	204.0000 LB/H 0.4400 LB/MMSTU SAME AS FOR BOILERS	
		SO2	46.0000 LB/H 0.1100 LB/MMBTU SAME AS FOR BOILERS	
		BE	NONE SAME AS FOR BOILERS	
		HG	NONE SAME AS FOR BOILERS	
		F	1.0000 LB/H 2.0000 LB/H SAME AS FOR BOILERS	
		H2S*	1.0000 LB/H 2.0000 LB/H SAME AS FOR BOILERS	
INACTIVE COAL STORAGE PILE			COMPACTION & CHEMICAL STABILIZATION W/BINDING *	90.00
LIME CONVEYING, TRANSFER, STORA*			BAGHOUSES ON LIME SILO AND SLAKER VENTS. PNEUMATIC UNLOADING, ENCLOSED CONVEYORS	

(CONTINUED) NEVADA POWER CO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
ASH HANDLING,STOR. & DISPOSAL			SILO VENTED TO BAGHOUSE. FLY ASH PNEUMATICALLY CONVEYED TO SILO.	
PLANT ACCESS & HAUL ROADS		FUG*	MOST ROADS PAVED AND 20 MPH SPEED LIMIT	
FUEL OIL STORAGE	3.10 MMGAL	VOC	FIXED OR FLOATING ROOF	

NOTES -----

(250) LB/HR LIMITS APPLY TO ANY CONSECUTIVE 24-HOUR PERIOD, ALL OTHER ARE FOR CONSECUTIVE 30-DAY PERIOD AS DETERMINED BY CONTINUOUS MONITORING SYS. OPACITY LIMIT (6 MINUTE AVERAGE) CANNOT BE EXCEEDED EXCEPT FOR ONE 6-MINUTE PERIOD PER HOUR OF NOT MORE THAN 15% OPACITY AS DETERMINED BY METHOD 9 OR THE OPACITY MONITORING SYS. BACT FOR PM REPRESENTS BACT FOR LEAD. TRACE EQUALS LESS THAN 0.1 T/YR.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

=====

SOURCE TYPE/SIZE---	EXTERNAL COMBUSTION - COAL	1080.00 MW
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COMPANY NAME/SITE LOCATION	NEW ENGLAND POWER CO., BRAYTON POINT ST*	SOMERSET, MA
----------------------------	--	--------------

DETERMINATION IS RACT FOR A MODIFIED SOURCE.	DATE OF PERMIT ISSUANCE--	11/01/80
PERMIT NO. APPR. LTR 10-01-80	ESTIMATED DATE OF START-UP--	1980
DETERMINATION MADE BY	MASSACHUSETTS DEQE - AIR	(617)-727-1440
	(AGENCY)	(PHONE)
	VAUGHAN STEEVES	
	(AGENCY CONTACT PERSON)	

=====

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

COAL COMBUSTION	10625.00 MMBTU/H	S	1.2100 LB/MMBTU MONTHLY AV	RACT
			2.3100 LB/MMBTU DAILY AV	
		PM	0.0800 LB/MMBTU	RACT
			ESP	99.30
		NOX		

NOTES -----

PM TESTED AT 0.034 LB/MMBTU, 0.016 LB/MMBTU, & 0.010 LB/MMBTU FOR UNITS 1 - 3, RESPECTIVELY. THREE UNITS COMBINED - 250 MW, 250 MW, & 580 MW. VOLUNTARY COAL CONVERSION.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

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APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

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SOURCE TYPE/SIZE---	EXTERNAL COMBUSTION - COAL	7934.00 MMBTU/H

COMPANY NAME/SITE LOCATION	NORTHERN INDIANA PUBLIC SERVICE CO.	WHEATFIELD, IN

DETERMINATION IS BACT FOR A NEW SOURCE.		DATE OF PERMIT ISSUANCE-- 03/31/80
PERMIT NO. EPA-5-A-80-18		ESTIMATED DATE OF START-UP--
DETERMINATION MADE BY	EPA REGION V	(312)-886-6054
	(AGENCY)	(PHONE)

=====

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

BOILERS, COAL-FIRED, 2 EA	3967.00 MMBTU/H			
		PM	0.0300 LB/MMBTU ESP	99.73
		SO2	0.6200 LB/MMBTU SCRUBBER	90.00
		NOX	0.6000 LB/MMBTU	
FUGITIVE EMISSIONS, CRUSHER HOU*		PM	BAGHOUSE	99.00
FUGITIVE EMISSIONS, CONVEYORS		PM	ENCLOSED COAL CONVEYORS	
FUGITIVE EMISSIONS, FLYASH & HA*		PM	BAGHOUSE WETTED COAL	

NOTES -----
TWO BOILERS UNDER PERMIT. TRUCKS UTILIZED FOR ASH DISPOSAL SHALL BE COVERED.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

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APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

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=====
SOURCE TYPE/SIZE---      EXTERNAL COMBUSTION - COAL      1600.00 MW
-----
COMPANY NAME/SITE LOCATION  NORTHERN STATE POWER CO., SHERBURNE STA      BECKER, MN
                                           SHERBURNE COUNTY
-----
DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. EPA-5-77-A-2
DETERMINATION MADE BY      EPA REGION V      BONIFACE THAYIL      DATE OF PERMIT ISSUANCE-- 04/25/77
                           (AGENCY)          (AGENCY CONTACT PERSON)  ESTIMATED DATE OF START-UP--
                                           (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, 2 EA    800.00 MW
                           PM              0.1000 LB/MMBTU
                           SO2              1.2000 LB/MMBTU
                                           NSPS
                                           NSPS
  
```

NOTES -----

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

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REVIEW STATUS: 04/01/1983

APPENDIX -- DETAILED SOURCE LISTING

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SOURCE TYPE/SIZE--- EXTERNAL COMBUSTION - COAL

COMPANY NAME/SITE LOCATION NSPS COAL/WATER MIXTURE DEMO PROJECT

SOUTHPOINT, OH

LAWRENCE COUNTY

DETERMINATION IS

PERMIT NO. 07-107

DETERMINATION MADE BY

PORTSMOUTH
(AGENCY)FRANK PHILLIPS
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE--

ESTIMATED DATE OF START-UP-- 1984

(614)-353-5153

(PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
P001	2.80 MMBTU	PM	0.0310 GR/DSCF FABRIC FILTER	NSPS 99.99
		VE	20.0000 % OPACITY	NSPS
P002	2.80 MMBTU	PM	0.0310 GR/DSCF FABRIC FILTER	NSPS 99.99
		VE	20.0000 % OPACITY	NSPS
P003	2.80 MMBTU	PM	0.0310 GR/DSCF FABRIC FILTER	NSPS 99.99
		VE	20.0000 % OPACITY	NSPS

NOTES -----

EXCEPT FOR COAL RECEIVING AND TRANSFER TO PULVERIZER ALL OF PROCESS IS ENCLOSED BY PIPES, TANKS, ETC. IN MOST OF PROCESS COAL IS MIXED WITH WATER. BAGHOUSES SEPERATE TRANSFER AIR FROM PRODUCT - APPROX. 90% OF TRANSFER AIR FROM BAGHOUSE WILL BE RECIRCULATED. ALSO PERMIT NUMBER 07-44-00-0094.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

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ID NUMBER OH-0063

SOURCE TYPE CODE 1.1

APPENDIX -- DETAILED SOURCE LISTING

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=====
SOURCE TYPE/SIZE---      EXTERNAL COMBUSTION - COAL                      635.00 MW
-----
COMPANY NAME/SITE LOCATION  NY STATE ELECT. & GAS - CYUGA STATION                SOMERSET, NY
-----
                                                                    NIAGARA COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO.
DETERMINATION MADE BY      EPA REGION II                      BARRY TORNICK
                           (AGENCY)                        (AGENCY CONTACT PERSON)
                                                                    DATE OF PERMIT ISSUANCE-- 06/29/81
                                                                    ESTIMATED DATE OF START-UP-- 1986
                                                                    (212)-264-9579
                                                                    (PHONE)
=====

```

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
MAIN BOILER	1750.00 MMBTU/H	PM	0.0300 LB/MMBTU ESP	BACT
		SO2	0.7000 LB/MMBTU 0.6000 LB/MMBTU FGD & S<3.6% BY WT.	BACT 90.00
		NOX	0.6000 LB/MMBTU GOOD DESIGN & COMBST PRACT.	BACT
		CO	GOOD COMBST PRACT.	BACT
		F	FGD SYSTEM	BACT
		PB	ESP/FGD	BACT
		HG	ESP/FGD	BACT
		BE	ESP/FGD	BACT
AUXILIARY BOILERS, 2	195.00 MMBTU/H	SO2	USE OF #2 FUEL OIL	BACT
		NOX		BACT

USE OF #2 FUEL OIL

(CONTINUED) NY STATE ELECT. & GAS - CYUGA STATION

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
COAL HANDLING	200000.00 T/YR	PM	FABRIC FILTER H2O SPRAY & ENCLOSED SYS.	BACT
LIMESTONE HANDLING		PM	FABRIC FILTER H2O SPRAY & ENCLOSED SYS.	BACT
FLYASH HANDLING		PM	FABRIC FILTER	BACT

NOTES -----

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

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ID NUMBER NY-0003

SOURCE TYPE CODE 1.1

APPENDIX -- DETAILED SOURCE LISTING

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=====
SOURCE TYPE/SIZE---      EXTERNAL COMBUSTION - COAL      550.00 MW
-----
COMPANY NAME/SITE LOCATION  OKLAHOMA GAS & ELECT. CO.      BEDROCK, OK
                                           NOBLE COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. (REGION FILE NO.) PSD-OK-218
DETERMINATION MADE BY      EPA REGION VI      JOHN BUNYAK
                           (AGENCY)          (AGENCY CONTACT PERSON)
                                           DATE OF PERMIT ISSUANCE-- 10/05/81
                                           ESTIMATED DATE OF START-UP-- 1986
                                           (214)-767-1594
                                           (PHONE)
=====

```

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
GEN. UNITS, COAL-FIRED, 2 EA	5250.00 MMBTU/H	SO2	0.4600 LB/MMBTU FLUE GAS DESULFURIZATION	NSPS 70.00
		NOX	0.5000 LB/MMBTU EXCESS AIR	NSPS
		CO	0.0640 LB/MMBTU COM. CONTROLS & PROPER OPER.	BACT
		PM	0.0300 LB/MMBTU ESP OR BAGHOUSE	NSPS 99.60
TUNNELS, COAL RECLAM., 2 EA		PM	2.8000 LB/H DUST COLLECTOR	BACT 98.00
COAL CRUSHER TOWER		PM	3.4000 LB/H DUST COLLECTOR	BACT 98.00
BIN TOWERS, COAL SURGE, 2 EA		PM	3.9000 LB/H DUST COLLECTOR	BACT 98.00

(CONTINUED) OKLAHOMA GAS & ELECT. CO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
COAL SILOS, 2 EA		PM	3.7000 LB/H DUST COLLECTOR	BACT 98.00
COAL STORAGE PILES	80.00 LB/ACRE-H	PM	5.8000 LB/ACRE CHEMICAL & WATER STABILIZERS	BACT

NOTES -----

OKLAHOMA GAS & ELECTRIC COMPANY, UNIT #3.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
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SOURCE TYPE/SIZE---	EXTERNAL COMBUSTION - COAL	550.00 MW
---------------------	----------------------------	-----------

COMPANY NAME/SITE LOCATION OKLAHOMA GAS & ELECT. CO. MUSKOGEE, OK

DETERMINATION IS BACK FOR A MODIFIED SOURCE. DATE OF PERMIT ISSUANCE-- 03/30/78
 PERMIT NO. PSD-QK-57 ESTIMATED DATE OF START-UP--
 DETERMINATION MADE BY EPA REGION VI JOHN BUNYAK
 (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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COAL FIRED BOILER	550.00 MW				
		SO2	1.2000	LB/MMBTU	
			6180.0000	LB/H	
				LOW S WESTERN COAL	
		PM	0.1000	LB/MMBTU	
			212.0000	LB/H	

NOTES -----

INITIAL REVIEW POST STARTUP
(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE. REVIEW STATUS: 04/01/1983
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APPENDIX -- DETAILED SOURCE LISTING

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SOURCE TYPE/SIZE---	EXTERNAL COMBUSTION - COAL	500.00 MW

COMPANY NAME/SITE LOCATION	PACIFIC POWER & LIGHT	POINT OF ROCKS, WY

DETERMINATION IS BACT FOR A NEW SOURCE.		DATE OF PERMIT ISSUANCE-- 12/01/75
PERMIT NO. CT-23		ESTIMATED DATE OF START-UP-- 1979
DETERMINATION MADE BY	WYOMING AQD	(307)-332-3144
	(AGENCY)	(PHONE)
	LEE GRIBOVICZ	
	(AGENCY CONTACT PERSON)	

=====

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

BOILER, COAL	5020.00 MMBTU/H	SO2	0.2000 LB/MMBTU 2H AV FGD, WET SODIUM SCRUBBER	BACT
		PM	0.1000 LB/MMBTU ESP	BACT 99.30
		NOX	0.7000 LB/MMBTU DESIGN	BACT

NOTES -----

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

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SOURCE TYPE CODE 1.1

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

=====

SOURCE TYPE/SIZE---

EXTERNAL COMBUSTION - COAL

37.00 MW

COMPANY NAME/SITE LOCATION

PANORAMA ENERCCORP, INC

KETTLE FALLS, WA

DETERMINATION IS BACT FOR A NEW SOURCE.

PERMIT NO. (REGION FILE NO.) PSD-X81-15

DETERMINATION MADE BY

EPA REGION X

(AGENCY)

PAUL BOYS

(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 09/22/81

ESTIMATED DATE OF START-UP--

(206)-442-1193

(PHONE)

=====

PROCESSES SUBJECT
TO THIS PERMITTHROUGHPUT
CAPACITYPOLLUTANT
EMITTED

EMISSION LIMITS

CONTROL EQUIPMENT OR PROCESS MODIFICATION ... & BASIS

... PCT EFF

BOILER

37.00 MW

PM

0.0070 GR/DSCF 12% CO2

ESP

99.00

CO

107.3000 LB/H

BACT

VOC

36.5000 LB/H

NOX

0.1700 LB/MMBTU

BACT

NOTES -----

GENERAL DESIGN CONTRIBUTES TO REDUCTION OF ALL POLLUTANTS AND INCLUDES 1) INCREASED BOILER HEIGHT FOR BETTER EFFICIENCY, 2) OV
ERFIRE AND UNDERFIRE AIR, 3) FEEDWATER HEATERS TO INCREASE EFFICIENCY.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

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REVIEW STATUS: 04/01/1983

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ID NUMBER WA-0001

SOURCE TYPE CODE 1.1

APPENDIX -- DETAILED SOURCE LISTING

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SOURCE TYPE/SIZE---	EXTERNAL COMBUSTION - COAL	625.00 MW ONE
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COMPANY NAME/SITE LOCATION	PENNSYLVANIA ELECT. CO. COHO-1	LAKE CITY, PA	ERIE COUNTY
----------------------------	-----------------------------------	---------------	-------------

DETERMINATION IS BACT FOR A NEW SOURCE.	DATE OF PERMIT ISSUANCE--	08/18/81	
PERMIT NO. 78PA13	ESTIMATED DATE OF START-UP--	1989	
DETERMINATION MADE BY	EPA REGION III (AGENCY)	DAVID ARNOLD (AGENCY CONTACT PERSON)	(215)-597-7936 (PHONE)

=====

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
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UTILITY BOILER, COAL FIRED	6280.00 MMBTU/H	PM	0.0300 LB/MMBTU	NSPS
			ESP	99.70
		SO2	0.6260 LB/MMBTU	BACT
			LINE SCRUBBING-77%	99.00
		NOX	0.6000 LB/MMBTU	NSPS
		CO	0.0400 LB/MMBTU	NSPS
COAL AND ASH HANDLING		PM		BACT
			WET SUPPRESSION AND DUST COLLECTORS	

NOTES -----

UP TO 40% SULFUR TO BE REMOVED BY COAL CLEANING PRIOR TO REACHING BOILER.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

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ID NUMBER PA-0004

SOURCE TYPE CODE 1.1

APPENDIX -- DETAILED SOURCE LISTING

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=====

SOURCE TYPE/SIZE---	EXTERNAL COMBUSTION - COAL	2471.00 MMBTU/H

COMPANY NAME/SITE LOCATION	PLAINS ELECT. GEN & TRANS	PREWITT, NM
		MCKINLEY COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. (REGION FILE NO.) PSD-NM-82
DETERMINATION MADE BY EPA REGION VI
(AGENCY)

JOHN BUNYAK
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 05/27/81
ESTIMATED DATE OF START-UP-- 1983
(214)-767-1594
(PHONE)

=====

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PPROCESS MODIFICATION	... & BASIS ... PCT EFF
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STEAM GENERATOR, COAL-FIRED	2471.00 MMBTU/H	PM	0.0300 LB/MMBTU BAGHOUSE	NSPS 99.90
		SO2	0.2000 LB/MMBTU FLUE GAS DESULFURIZATION	BACT 90.00
		CO	0.0630 LB/MMBTU FIRE BOX DESIGN & COM. CONTROL	BACT
		NOX	0.4500 LB/MMBTU FIRE BOX DESIGN & COM. CONTROL	BACT
		F	0.0010 LB/MMBTU	BACT
COAL HANDLING		PM		
STOCKPILING AND STORAGE		PM		
LIMESTONE HANDLING		PM		
FUGITIVE EMISSIONS		PM		

NOTES -----

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

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ID NUMBER NM-0002

SOURCE TYPE CODE 1.1

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

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SOURCE TYPE/SIZE---      EXTERNAL COMBUSTION - COAL                250.00 MW
-----
COMPANY NAME/SITE LOCATION  PLATTE RIVER PWR-RAWHIDE                NEAR FORT COLLINS, CO
-----
                                                                LARIMER COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO.
DETERMINATION MADE BY      EPA REGION VIII                JOHN DALE
                           (AGENCY)                    (AGENCY CONTACT PERSON)
                                                                DATE OF PERMIT ISSUANCE-- 05/22/80
                                                                ESTIMATED DATE OF START-UP--
                                                                (303)-837-3763
                                                                (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                    250.00 MW
                           NOX              0.5000 LB/MMBTU          BACT
                           DESIGN              65.00
                           PM                0.0300 LB/MMBTU          BACT
                           BAGHOUSE              99.70
                           SO2              0.1300 LB/MMBTU          BACT
                           DRY SCRUBBER          80.00
COAL CONV                  870.00 MT/YR
                           PM                0.5300 LB/H              BACT
                           BAGHOUSE              99.70
COAL CRUSHING              870.00 MT/YR
                           PM                0.4000 LB/H              BACT
                           BAGHOUSE              99.70
COAL STORAGE              870.00 MT/YR
                           PM                40.4000 LB/H             BACT
                           CRUSHING AGENT        80.00
COAL UNLOAD               870.00 MT/YR
                           PM                1.0500 LB/H              BACT
                           BAGHOUSE              99.70
=====

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(CONTINUED) PLATTE RIVER PWR-RAWHIDE

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
LIME STORAGE	5.60 MT/YR	PM	0.0400 LB/H BAGHOUSE	BACT 99.60
SILO(ASH)	57.70 MT/YR	PM	0.0100 LB/H BAGHOUSE	BACT 99.70

NOTES -----

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

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SOURCE TYPE CODE 1.1

APPENDIX -- DETAILED SOURCE LISTING

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SOURCE TYPE/SIZE---	EXTERNAL COMBUSTION - COAL	350.00 MW
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COMPANY NAME/SITE LOCATION	SALT RIVER PROJECT CORONADO STATION UNI*	ST. JOHNS, AZ
----------------------------	--	---------------

DETERMINATION IS BACT FOR A MODIFIED SOURCE.	DATE OF PERMIT ISSUANCE--	04/10/78
PERMIT NO. (REGION FILE NO.) AZP76-1	ESTIMATED DATE OF START-UP--	
DETERMINATION MADE BY	EPA REGION IX	JIM HANSON
	(AGENCY)	(AGENCY CONTACT PERSON)
		(415)-974-8038
		(PHONE)

=====

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
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STEAM GEN. UNIT	350.00 MW	PM	0.0820 LB/MMBTU ESP	
		SO2	0.8000 LB/MMBTU WET LIMESTONE SCRUBBER	64.00 NSPS
		NOX	0.7000 LB/MMBTU	

NOTES -----

COAL CONVEYING SYS WILL BE ENCLOSED AND DUST SUPPLEMENT ADDED AT TRANSFER POINTS.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

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APPENDIX -- DETAILED SOURCE LISTING

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=====

SOURCE TYPE/SIZE--- EXTERNAL COMBUSTION - COAL 890.00 MW

COMPANY NAME/SITE LOCATION SANDOW STEAM ELECT. STATION ROCKDALE, TX MILAM COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE. DATE OF PERMIT ISSUANCE-- 09/20/77
 PERMIT NO. PSD-TX-28 ESTIMATED DATE OF START-UP--
 DETERMINATION MADE BY EPA REGION VI TOM DIGGS (214)-767-1594
 (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, LIGNITE FIRED	890.00 MW			
		SO2	1.2000 LB/MMBTU	
			6827.0000 LB/H	
			FGD	70.00
		PM	0.1000 LB/MMBTU	
			ESP	99.80

NOTES -----

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE. INITIAL REVIEW POST STARTUP
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PAGE G- 84 ID NUMBER TX-0007 SOURCE TYPE CODE 1.1

APPENDIX -- DETAILED SOURCE LISTING

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=====
SOURCE TYPE/SIZE---      EXTERNAL COMBUSTION - COAL                      530.50 MW
-----
COMPANY NAME/SITE LOCATION SIERRA PACIFIC POWER CO.                      VALMY, NV
-----
DETERMINATION IS BACT FOR A NEW SOURCE.                                DATE OF PERMIT ISSUANCE-- 04/04/78
PERMIT NO. (REGION FILE NO.) NV 77-02                                ESTIMATED DATE OF START-UP-- 1983
DETERMINATION MADE BY      EPA REGION IX                                (415)-974-8066
                           (AGENCY)                                (PHONE)
                           DAVID SOLOMON
                           (AGENCY CONTACT PERSON)
=====
  
```

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BOILERS, COAL FIRED, 2	277.00 MW	SO2	1.2000 LB/MMBTU	
		NOX	0.7000 LB/MMBTU	
		PM	0.1000 LB/MMBTU	
			BAGHOUSE	99.75

NOTES -----

EMISSION LIMITS APPLY TO EACH UNIT SEPERATELY. BASIS DETERMINED BY NAPS AND PSD CLASS II INCREMENT CONSIDERATIONS.

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(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.
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APPENDIX -- DETAILED SOURCE LISTING

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SOURCE TYPE/SIZE---	EXTERNAL COMBUSTION - COAL	235.00 MW

COMPANY NAME/SITE LOCATION	SIKESTON BOARD OF MUNICIPAL UTILITIES	SIKESTON, MO
		SCOTT COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.		DATE OF PERMIT ISSUANCE-- 07/14/77
PERMIT NO.		ESTIMATED DATE OF START-UP--
DETERMINATION MADE BY	EPA REGION VII (AGENCY)	CHARLES WHITMORE (AGENCY CONTACT PERSON)
		(816)-374-6525 (PHONE)

=====

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

BOILER, STEAM GEN, COAL FIRED	235.00 MW	SO2	1.2000 LB/MMBTU WET LIMESTONE SCRUBBER	BACT
		PM	0.1000 LB/MMBTU ESP	BACT

NOTES -----

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

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APPENDIX -- DETAILED SOURCE LISTING

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=====

SOURCE TYPE/SIZE---	EXTERNAL COMBUSTION - COAL	567.00 MW, 2 EA

COMPANY NAME/SITE LOCATION	SOUTHWESTERN PUBLIC SERVICE	SUDAN, TX
		LAMB COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.		DATE OF PERMIT ISSUANCE-- 03/30/78
PERMIT NO. (REGION FILE NO.) PSD-TX-50		ESTIMATED DATE OF START-UP--
DETERMINATION MADE BY	EPA REGION VI	(214)-767-1594
	(AGENCY)	(PHONE)
	TOM DIGGS	
	(AGENCY CONTACT PERSON)	

=====

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

STEAM TURBINE, COAL-FIRED	567.00 MW			
		SO2	508.8000 LB/H	
			1.2000 LB/MMBTU	
			LOW SULFUR FUEL	
		PM	0.1000 LB/MMBTU	
			FABRIC FILTER	
			SPRINKLE ROADS WITH WATER OR CHEM.	98.60

NOTES -----
TWO UNITS, 567 MW EACH.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

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APPENDIX -- DETAILED SOURCE LISTING

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=====
SOURCE TYPE/SIZE---      EXTERNAL COMBUSTION - COAL                      348.00 MW (GROSS)
-----
COMPANY NAME/SITE LOCATION  SUNFLOWER ELECT. COOP., INC. - HAYS, KS.      NEAR HOLCOMB, KA, KS
                           HOLCOMB STATION                      FINNEY COUNTY
-----
DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO.
DETERMINATION MADE BY      EPA REGION VII              DANIEL RODRIGUEZ
                           (AGENCY)                (AGENCY CONTACT PERSON)
                                           DATE OF PERMIT ISSUANCE-- 05/19/80
                                           ESTIMATED DATE OF START-UP--
                                           (816)-374-6525
                                           (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         3389.00 MMBTU/H
                             NOX            0.6000 LB/MMBTU
                             STAGED COMBUST., LEA
                             SO2            0.4800 LB/MMBTU 30D R AV
                             LIME BASED DRY SCRUBBER
                             LIME BASED DRY SCRUBBER
                             CO              0.0640 LB/MMBTU 30D R AV
                             PM              0.0300 LB/MMBTU
                             FABRIC FILTER
                             BACT
                             BACT
                             80.00
                             BACT
                             BACT
=====

```

NOTES -----

THE NOX LIMIT TAKES PRIORITY OVER THE CO LIMIT. IF NECESSARY THE CO LIMIT WILL BE ADJUSTED AFTER THE UNIT HAS BEEN PERFORMANCE TESTED. THE UNIT WILL BURN LOW S WYOMING COAL.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

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APPENDIX -- DETAILED SOURCE LISTING

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=====
SOURCE TYPE/SIZE---      EXTERNAL COMBUSTION - COAL      1440.00 MW
-----
COMPANY NAME/SITE LOCATION  SW ELECT. POWER      CANTON, TX      VAN ZANDT COUNTY
-----
DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. (REGION FILE NO.) PSD-TX-130
DETERMINATION MADE BY      EPA REGION VI      JOHN BUNYAK      DATE OF PERMIT ISSUANCE-- 02/23/81
                           (AGENCY)                (AGENCY CONTACT PERSON)  ESTIMATED DATE OF START-UP--
                           (AGENCY)                (AGENCY CONTACT PERSON)  (214)-767-1594
                           (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
-----
BOILERS, 2 EA              6821.00 MMBTU/H
                           PM              0.0300 LB/MMBTU      ELECTROSTATIC PRECIPITATOR      NSPS
                           SO2             0.9000 LB/MMBTU      WET LIMESTONE FLUE GAS DESULFURIZATION      99.80
                           NOX             0.6000 LB/MMBTU      LOW NOX BURNERS                    BACT
                           CO              0.1000 LB/MMBTU      FLUE GAS RECIRCULATION             87.40
                           PM              0.0300 LB/MMBTU      LOW EXCESS AIR                     NSPS
COAL UNLOAD                PM              2.4000 LB/H          WET SUPPRESSION
COAL TRANSFER              PM              2.4000 LB/H          ENCLOSED
COAL STORAGE               PM              2.4000 LB/H          CHEMICAL STABILIZER
=====

```

(CONTINUED) SW ELECT. POWER

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
LIMESTONE UNLOAD		PM	0.2000 LB/H WET SUPPRESSION	
LIMESTONE TRANSFER		PM	0.6000 LB/H ENCLOSED	
LIMESTONE STORAGE		PM	0.2000 LB/H CHEMICAL STABILIZER	

NOTES -----

NOX LIMIT FOR BOILERS IS 30 DAY ROLLING AVERAGE.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

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APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

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SOURCE TYPE/SIZE---	EXTERNAL COMBUSTION - COAL	720.00 MW EA
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COMPANY NAME/SITE LOCATION	SW ELECT. POWER P.O. BOX 21106	NABORTION, LA 71156	DESOTO PARISH PARISH
----------------------------	-----------------------------------	---------------------	----------------------

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. (REGION FILE NO.) PSD-LA-117
DETERMINATION MADE BY EPA REGION VI
(AGENCY)

JOHN BUNYAK
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 09/01/81
ESTIMATED DATE OF START-UP--
(214)-767-1594
(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, COAL FIRED	720.00 MW	SO2	1.2000 LB/MMBTU FGD	NSPS 76.00
		NOX	0.6000 LB/MMBTU LOW NOX BURNERS	NSPS
		PM	0.1000 LB/MMBTU ESP	BACT 99.80
		CO	0.8000 LB/MMBTU EFFICIENT COMBUSTION	BACT
BOILER, COAL FIRED	720.00 MW	SO2	0.6000 LB/MMBTU FGD	NSPS 89.50
		NOX	0.6000 LB/MMBTU LOW NOX BURNERS	NSPS
		PM	0.0300 LB/MMBTU ESP	BACT 99.80
		CO	0.8000 LB/MMBTU EFFICIENT OPERATION	BACT
COAL HANDLING		PM	SPRAY APPL. & DUST COLLECT.	

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

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INITIAL REVIEW	POST STARTUP
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NOTES -----

UNIT 1 UNDER 40CFR PART 60 SUBPART D. UNIT 2 UNDER 40CFR PART 60 SUBPART DA. FUGITIVE DUST CONTROLLED BY WATER SPRAY DURING CONSTRUCTION

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

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ID NUMBER LA-0002

SOURCE TYPE CODE 1.1

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

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=====
SOURCE TYPE/SIZE---      EXTERNAL COMBUSTION - COAL      720.00 MW, 2 EA
-----
COMPANY NAME/SITE LOCATION  SW ELECT. POWER      DALLAS, TX 75250
                           2700 ONE MAIN PL.
-----
DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO.
DETERMINATION MADE BY      EPA REGION VI      JOHN BUNYAK
                           (AGENCY)          (AGENCY CONTACT PERSON)
                                           DATE OF PERMIT ISSUANCE--
                                           ESTIMATED DATE OF START-UP--
                                           (214)-767-1594
                                           (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, COAL FIRED UNIT #1	6780.00 MMBTU/H	PM	203.0000 LB/H 0.0300 LB/MMBTU ESP	99.90
		SO2	0.7200 LB/MMBTU 4882.0000 LB/H DESULFURIZATION SYS.	90.00
		NOX	0.6000 LB/MMBTU 4068.0000 LB/H BURNER DESIGN	
		CO	0.1300 LB/MMBTU 892.0000 LB/H BURNER DESIGN	
BOILER, COAL FIRED UNIT #2	6780.00 MMBTU/H	PM	203.0000 LB/H 0.0300 LB/MMBTU ESP	99.90
		SO2	0.7200 LB/MMBTU 4882.0000 LB/H DESULFURIZATION SYS.	90.00
		NOX	0.6000 LB/MMBTU 4068.0000 LB/H	

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CO      0.1300    BURNER DESIGN  
        892.0000 LB/MMBTU  
                LB/H  
                BURNER DESIGN
```

NOTES -----

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

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ID NUMBER TX-0015

SOURCE TYPE CODE 1.1

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PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
COAL FIRED STEAM GEN	720.00 MW			
		SO2	1.2000 LB/MMBTU	
			682.0000 LB/H	
			WET LIMESTONE FGD	76.00
		PM	0.1000 LB/MMBTU	
			ESP	99.00

NOTES -----

INITIAL REVIEW POST STARTUP
(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE. REVIEW STATUS: 04/01/1983
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PAGE G- 95	ID NUMBER TX-0001	SOURCE TYPE CODE	1.1
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APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

SOURCE TYPE/SIZE--- EXTERNAL COMBUSTION - COAL 500.00 MW

COMPANY NAME/SITE LOCATION S.C. PUBLIC SERVICE AUTHORITY CROSS, SC
CROSS SITE BERKELEY COUNTY

DETERMINATION IS BACT DATE OF PERMIT ISSUANCE-- 12/03/81
PERMIT NO. P/C-08-190 ESTIMATED DATE OF START-UP--
DETERMINATION MADE BY SOUTH CAROLINA DHEC OTTO PEARSON (803)-758-5406
(AGENCY) (AGENCY CONTACT PERSON) (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
#3 GENERATOR	500.00 MW	PM	0.0300 LB/MMBTU ESP	NSPS 99.80
		SO2	0.4100 LB/MMBTU LOW S COAL	BACT 85.00
		NOX	0.6000 LB/MMBTU EQUIPMENT DESIGN & OPERATION	B/N
		CO	0.0400 LB/MMBTU EQUIPMENT DESIGN & OPERATION	BACT

NOTES -----

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE. INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983 04/02/1984
PAGE G- 96 ID NUMBER SC-0010 SOURCE TYPE CODE 1.1

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

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=====
SOURCE TYPE/SIZE---      EXTERNAL COMBUSTION - COAL      1600.00 MMBTU/H
-----
COMPANY NAME/SITE LOCATION  TACOMA CITY LIGHT      TACOMA, WA
-----
DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. (REGION FILE NO.) PSD-X-82-06
DETERMINATION MADE BY      EPA REGION X
                           (AGENCY)
                           DAVID TETTA
                           (AGENCY CONTACT PERSON)
                           DATE OF PERMIT ISSUANCE-- 05/11/82
                           ESTIMATED DATE OF START-UP--
                           (206)-442-1597
                           (PHONE)
=====
  
```

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BOILER	1600.00 MMBTU/H			
		SO2	0.2300 LB/MMBTU 367.0000 LB/H DRY SCRUBBER	85.00
		SO2	1366.0000 T/YR DRY SCRUBBER	85.00
		NOX	0.5000 LB/MMBTU 786.0000 LB/H	
		NOX	2926.0000 T/YR	

NOTES -----

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/83

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

=====

SOURCE TYPE/SIZE---	EXTERNAL COMBUSTION - COAL	425.00 MW

COMPANY NAME/SITE LOCATION	TAMPA ELECT. CO. P.O. BOX 111	RUSKIN, FL 33601 HILLSBOROUGH COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.		DATE OF PERMIT ISSUANCE-- 10/15/81
PERMIT NO. (REGION FILE NO.) FSD-FL-040		ESTIMATED DATE OF START-UP-- 1981
DETERMINATION MADE BY	FLORIDA DER	(904)-488-1344
	(AGENCY)	(PHONE)
	BOB KING	
	(AGENCY CONTACT PERSON)	

=====

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

BOILER, COAL FIRED	425.00 MW			
		PM	0.0300 LB/MMBTU 130.0000 LB/H ESP	NSPS 99.00
		SO2	0.8200 LB/MMBTU 3576.0000 LB/H LIMESTONE SCRUBBER COAL WASHING	NSPS 90.00
		NOX	0.6000 LB/MMBTU 2598.0000 LB/H EQUIPMENT DESIGN & OPERATION	BACT
		CO	0.0140 LB/MMBTU 61.0000 LB/H EQUIPMENT DESIGN & OPERATION	BACT

NOTES -----
BIG BEND STATION UNIT #4.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983 01/25/1984

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

SOURCE TYPE/SIZE--- EXTERNAL COMBUSTION - COAL 350.00 MW

COMPANY NAME/SITE LOCATION TUCSON ELECT. POWER CO. UNIT #3 SPRINGERVILLE, AZ

DETERMINATION IS BACT FOR A MODIFIED SOURCE. DATE OF PERMIT ISSUANCE-- 04/11/80
 PERMIT NO. AZP 79-01 ESTIMATED DATE OF START-UP--
 DETERMINATION MADE BY EPA REGION IX DAVID SOLOMON (415)-974-8066
 (AGENCY) (AGENCY CONTACT PERSON) (PHCNE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
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COAL FIRED GEN. UNITS	350.00 MW	SOX	0.2180 LB/MMBTU 817.0000 LB/H	
		NOX	0.4400 LB/MMBTU	85.00
		PM	0.0260 LB/MMBTU	99.96
			COMBUSTION MODIFICATIONS	
			BAGHOUSE	

NOTES -----
 PSD INCREMENT COMPLIANCE AND NSPS USED IN THE DETERMINATION OF BACT EMISSION LIMITS.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE. INITIAL REVIEW POST STARTUP
 REVIEW STATUS: 04/01/1983
 ID NUMBER AZ-0005 SOURCE TYPE CODE 1.1
 PAGE G- 99

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

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SOURCE TYPE/SIZE---	EXTERNAL COMBUSTION - COAL	700.00 MW

COMPANY NAME/SITE LOCATION	TUCSON ELECT. POWER CO. UNITS #1 & 2	TUCSON, AZ
		APACHE COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.		DATE OF PERMIT ISSUANCE-- 12/21/77
PERMIT NO. (REGION FILE NO.) AZ77-01		ESTIMATED DATE OF START-UP--
DETERMINATION MADE BY	EPA REGION IX	(415)-974-8066
	(AGENCY)	(PHONE)
	DAVID SOLOMON	
	(AGENCY CONTACT PERSON)	

=====

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

COAL FIRED GEN. UNITS, 2	350.00 MW EA	PM	0.0340 LB/MMBTU	BACT
			HOT SIDE ESP	
		SO2	0.6900 LB/MMSTU	BACT
			WET LIME SCRUBBER	64.00
		NOX	0.6970 LB/MMBTU	NSPS
COAL HANDLING		PM		
			SPRAY APPLIC. & DUST COLLECT	
BOTTOM ASH		PM		
			HYDRAULIC CONVEYANCE	
FLY ASH		PM		
			PNEUMATIC CONVEYANCE	

NOTES -----

DETAILED CONTROL STRATEGIES FOR THESE FACILITIES IS GIVEN IN PERMIT. WET SUPPRESSION SHALL BE USED TO CONTROL FUGITIVE DUST DURING CONSTRUCTION. SAMPLING OF COAL IS REQUIRED. THIS DEGREE OF CONTROL WAS PROPOSED BY THE CO. IN ITS APPLICATION.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

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=====
SOURCE TYPE/SIZE---      EXTERNAL COMBUSTION - COAL                      200.00 MMBTU/H
-----

COMPANY NAME/SITE LOCATION  TVA - AFBC PILOT PLANT - SHAWNEE STEAM *                PADACAH, KY 42001
                           AFBC PILOT PLANT                                MCCracken COUNTY
-----

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. C-80-18
DETERMINATION MADE BY      KENTUCKY DAPC                      BILL DILLS
                           (AGENCY)                        (AGENCY CONTACT PERSON)
                                                                DATE OF PERMIT ISSUANCE-- 04/14/80
                                                                ESTIMATED DATE OF START-UP-- 1982
                                                                (502)-564-3382
                                                                (PHONE)
=====

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

FLUIDIZED BED BOILER       200.00 MMBTU/H

                               SO2              1.2000 LB/MMBTU
                               FLUIDIZED BED COMBUSTION
                               PM              0.1000 LB/MMBTU
                               BAGHOUSE
                               BACT
                               85.00
                               BACT
                               99.90

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NOTES -----

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(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.
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PAGE G- 101                                ID NUMBER KY-0007                                SOURCE TYPE CODE 1.1
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 REVIEW STATUS: 04/01/1983 02/13/1984

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PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
COAL CRUSHING PLANT	2000.00 T/H	PM		
COAL WASHING PLANT	2000.00 T/H COAL	PM	325.2000 T/YR ALLOWABLE 136.5000 T/YR ACTUAL BAGHOUSE ROTARY CAR DUMP	LAER 98.00

THIS IS A NON ATTAINMENT AREA - DETERMINATION STATES - "SINCE TVA IS WILLING TO ACCEPT AN ALLOWABLE ... OF LESS THAN 50 TPY ..
 . NO FURTHER ANALYSIS UNDER OFFSET POLICY ISREQUIRED."
 ALSO COVERS PERMIT NUMBER C-81-073. THIS ADDITIONAL PERMIT IS LAER. ROTARY CAR DUMP 93% EFF.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983 02/13/1984

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PAGE G- 102 ID NUMBER KY-0036 SOURCE TYPE CODE 1.1

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

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=====
SOURCE TYPE/SIZE---      EXTERNAL COMBUSTION - COAL                      1600.00 MW
-----
COMPANY NAME/SITE LOCATION  UTAH PWR & LT CO-HUNTER STATION                      , UT
                           NEAR CASTLE DALE                      EMERY COUNTY
-----
DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO.
DETERMINATION MADE BY      EPA REGION VIII                      JOHN DALE
                           (AGENCY)                      (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE--  06/02/80
ESTIMATED DATE OF START-UP-- 1983
                           (303)-837-3763
                           (PHONE)
=====

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

                                PM          2.0000 LB/H          BACT
                                SPRAY & ENC.          90.00
                                VE          20.0000 % OPACITY
ASH SILO UNLD

                                VE          20.0000 % OPACITY          BACT
                                KEPT DAMP          100.00
ASH SILO VENT

                                PM          49.0000 LB/H          BACT
                                FF          99.80
                                VE          20.0000 % OPACITY
BOILER, #4                  860.00 MW

                                NOX         0.5500 LB/MMBTU          BACT
                                BOILER DESIGN          65.00
                                PM          0.0300 LB/MMBTU          BACT
                                FF          90.00
                                SO2         0.1200 LB/MMBTU          BACT
                                SCRUBBER          90.00
                                VE          20.0000 % OPACITY
=====

```


(CONTINUED) UTAH PWR & LT CO-HUNTER STATION

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
CONV	2.50 MMT/YR	PM	5.0000 LB/H ENC.	BACT 90.00
HAUL ROADS		VE	20.0000 % OPACITY	
INACT STORAGE		PM	2.7000 LB/H ASPHALT + H2O	BACT 90.00
		PM	40.0000 LB/H SEAL. & COMP.	BACT 90.00
LIME T/S		VE	20.0000 % OPACITY	
		VE	20.0000 % OPACITY FF	BACT 99.80
SLUDGE MIX(ASH)		VE	20.0000 % OPACITY FF	BACT 99.80
TRANS	2.50 MMT/YR	PM	1.0000 LB/H SPRAYS & ENC.	BACT 98.50
		VE	20.0000 % OPACITY	
TRUCK UNLD	2.50 MMT/YR	PM	0.1000 LB/H SPRAYS & ENC.	BACT 98.50
		VE	20.0000 % OPACITY	

NOTES -----

CEM QA REQUIRED BY 40CFR, PART 60, SUBPART DA. BOILER EMISSION COMPLIANCE FOR SOX, NOX, OPACITY WILL BE DETERMINED BY CEM REPO RTS.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983 02/13/1984

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

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=====
SOURCE TYPE/SIZE---      EXTERNAL COMBUSTION - COAL                2080.00 MW
-----
COMPANY NAME/SITE LOCATION WASHINGTON WATER POWER CO.                , WA
-----
DETERMINATION IS BACT FOR A NEW SOURCE.
PEPMIT NO. (REGION FILE NO.) PSD-X-83-01
DETERMINATION MADE BY      EPA REGION X                PAUL BOYS
                           (AGENCY)                   (AGENCY CONTACT PERSON)
                                                    DATE OF PERMIT ISSUANCE-- 11/17/82
                                                    ESTIMATED DATE OF START-UP-- 1984
                                                    (206)-442-1567
                                                    (PHONE)
=====

```

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

SO2      0.2200 LB/MMBTU 30D R AV
          1140.0000 LB/H 24H D AV
NOX      0.5000 LB/MMBTU SB. COAL
          0.6000 LB/MMBTU BIT. COAL
          LIMITS ARE 30 DAY ROLLIN AVG
PM        0.0300 LB/MMBTU
VE       20.0000 % OPACITY
CO       332.0000 LB/H
VOC       3.3200 LB/H
PB        0.2700 LB/H ANNUAL AV
BE        0.0200 LB/H ANNUAL AV
HG        0.0300 LB/H ANNUAL AV
F         1.1500 LB/H ANNUAL AV
SUL*     80.9000 LB/H ANNUAL AV

ROTARY CAR DUMPER (COAL)

PM        0.0100 GR/DSCF
          BAGHOUSE
          90.00
VE        5.0000 % OPACITY

ROTARY CAR DUMPER (LIMESTONE)

PM        0.0100 GR/DSCF
          BAGHOUSE
          90.00
VE        5.0000 % OPACITY

```

(CONTINUED) WASHINGTON WATER POWER CO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
CONVEYORS		PM	0.0100 GR/DSCF	
			BAGHOUSE	99.00
		VE	5.0000 % OPACITY	
COAL CONVEYOR DISCHARGE		PM	TELESCOPIC CHUTES/LOWERING WELL	75.00
		VE	20.0000 % OPACITY	
COAL CONVEYOR TRIPPERS		PM	0.0100 GR/DSCF	
			BAGHOUSE	99.00
		VE	5.0000 % OPACITY	
TRANSFER HOUSES		PM	0.0100 GR/DSCF	
			BAGHOUSE	99.00
		VE	5.0000 % OPACITY	
COAL SUPPLY SYSTEM		PM	0.0100 GR/DSCF	
			BAGHOUSE	99.00
		VE	5.0000 % OPACITY	
COAL SILOS		PM	0.0100 GR/DSCF	
			BAGHOUSE	99.00
		VE	5.0000 % OPACITY	
LIMESTONE SILOS		PM	0.0100 GR/DSCF	
			BAGHOUSE	99.00
		VE	5.0000 % OPACITY	
BOTTOM ASH DISPOSAL		PM	FIXATED W/SCRUBBER SLUDGE	100.00

(CONTINUED) WASHINGTON WATER POWER CO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
ROAD DUST		PM	CHEM. STABILIZ.,DESIGN & OPER. PRACT.	85.00
FLY ASH HANDLING & SILOS		PM	0.0100 GR/DSCF	
			BAGHOUSE	99.00
		VE	5.0000 % OPACITY	
WASTE TREATMENT BLDG.		PM	0.0100 GR/DSCF	
			BAGHOUSE	99.00
		VE	5.0000 % OPACITY	
DEAD STORAGE		PM	20.0000 GR/DSCF	
			SURFACE STABILIZATION	
		VE	95.0000 % OPACITY	

NOTES -----

THE PROPOSED CONTROL SYSTEM CONSISTS OF A LIMESTONE FGD SYSTEM FOR SO2 REMOVAL PRECEDED BY A BAGHOUSE (OR POSSIBLY AN ESP) FOR PARTICULATE REMOVAL. THE APPLICABLE TRACE MATERIALS WILL ALSO BE REMOVED TO SOME EXTENT BY THE PARTICULATE AND SO2 CONTROL SYSTEMS. NOX,CO,VOC ARE MINIMIZED BY COMBUSTION CONTROL (IE. EXCESS AIR CONTROL, ETC.). AMO UNITS SITED ARE EMISSIONS PER UNIT.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

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SOURCE TYPE/SIZE---	EXTERNAL COMBUSTION - COAL	640.00 MW (NET)
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COMPANY NAME/SITE LOCATION	WEST TEXAS UTILITIES CO.	OKLAUNION, TX	WILBERGER COUNTY
----------------------------	--------------------------	---------------	------------------

DETERMINATION IS BACT FOR A NEW SOURCE.			DATE OF PERMIT ISSUANCE-- 05/20/82
PERMIT NO. 9015			ESTIMATED DATE OF START-UP-- 1982
DETERMINATION MADE BY	TEXAS ACB (AGENCY)	JAMES CROCKER (AGENCY CONTACT PERSON)	(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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STEAM GENERATOR	6.80 MMBTU/H	PM	0.0300 LB/MMBTU	NSPS
			ESP	99.70
		SO2	0.5000 LB/MMSTU	NSPS
			WET LIMESTONE SCRUBBER	70.00
		NOX	0.5000 LB/MMBTU	
			LOW NOX BURNERS	
COAL & LIMESTONE STORAGE/HANDLI*		PM	60.0000 LB/H	
			DUST CONTROL SYSTEM	

NOTES -----

THIS IS A COAL FIRED BOILER BURNING LOW SULFUR COAL (.64% S WORST CASE).

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW	POST STARTUP
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APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

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=====
SOURCE TYPE/SIZE---      EXTERNAL COMBUSTION - COAL              1160.00 MW
-----
COMPANY NAME/SITE LOCATION WISCONSIN ELEC. POWER CO., PLEASANT PRA*      , WI
                                   KENOSHA COUNTY
-----
DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. EPA-5-76-A-1
DETERMINATION MADE BY      EPA REGION V      BONIFACE THAYIL      DATE OF PERMIT ISSUANCE-- 08/09/76
                           (AGENCY)          (AGENCY CONTACT PERSON) ESTIMATED DATE OF START-UP-- 1980
                                           (312)-886-6054
                                           (PHONE)
=====

PROCESSES SUBJECT          THROUGHPUT    POLLUTANT    EMISSION LIMITS      ... & BASIS
TO THIS PERMIT            CAPACITY      EMITTED      CONTROL EQUIPMENT OR PROCESS MODIFICATION ... PCT EFF
-----
BOILER, COAL FIRED, 2 EA      580.00 MW
                                PM          0.1000 LB/MMSTU      NSPS
                                ESP          99.00
                                SO2         1.2000 LB/MMBTU COAL
                                0.8000 LB/MMSTU OIL
                                LOW S FUEL -- <0.7% COAL, <0.5% OIL
                                NSPS
=====
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NOTES -----

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

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ID NUMBER WI-0030

SOURCE TYPE CODE 1.1

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

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SOURCE TYPE/SIZE---	EXTERNAL COMBUSTION - COAL	400.00 MW
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COMPANY NAME/SITE LOCATION	WISCONSIN POWER & LIGHT CO., EDGEWATER *	SHEBOYGAN, WI
----------------------------	--	---------------

DETERMINATION IS BACT FOR A NEW SOURCE.

PERMIT NO. EPA-5-77-A-3

DETERMINATION MADE BY

EPA REGION V
(AGENCY)BONIFACE THAYIL
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 04/26/77

ESTIMATED DATE OF START-UP--

(312)-886-6054
(PHONE)

=====

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BOILER, COAL FIRED	400.00 MW	PM SO2	0.1000 LB/MMBTU 1.2000 LB/MMBTU	NSPS NSPS

NOTES -----

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

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SOURCE TYPE/SIZE---	EXTERNAL COMBUSTION - COAL	321.00 MW
---------------------	----------------------------	-----------

COMPANY NAME/SITE LOCATION	WISCONSIN PUBLIC SERVICE CORP., WESTON *	, WI	MARATHON COUNTY
----------------------------	--	------	-----------------

DETERMINATION IS BACT FOR A NEW SOURCE.		DATE OF PERMIT ISSUANCE--	05/11/77
PERMIT NO. EPA-5-77-A-4		ESTIMATED DATE OF START-UP--	
DETERMINATION MADE BY	EPA REGION V	BONIFACE THAYIL	(312)-886-6054
	(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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BOILER, COAL FIRED	321.00 MW	PM	0.1000 LB/MMBTU	NSPS
		SO2	1.2000 LB/MMBTU	NSPS

NOTES -----

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

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APPENDIX -- DETAILED SOURCE LISTING

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=====

SOURCE TYPE/SIZE--- EXTERNAL COMBUSTION - OIL

COMPANY NAME/SITE LOCATION ANGUS PETROTECH , CA

DETERMINATION IS BACT FOR A NEW SOURCE.

PERMIT NO. 4132002-004

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

DATE OF PERMIT ISSUANCE-- 11/29/83

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
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BOILER, OIL FIRED

62.50 MMBTU/H

SO2	61.4000	LB/D	SCDIUM BASED SCRUBBERS	
NOX	199.0000	LB/D	LOW NOX BURNERS	

NOTES -----

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW POST STARTUP

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ID NUMBER CA-0069

SOURCE TYPE CODE 1.2

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

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SOURCE TYPE/SIZE---	EXTERNAL COMBUSTION - OIL	81.90 MSTU/H
---------------------	---------------------------	--------------

COMPANY NAME/SITE LOCATION	HOOKER CHEMICAL & PLASTICS CORP. P.O. BOX D	PERRYVILLE, MD 21903	CECIL COUNTY
----------------------------	--	----------------------	--------------

DETERMINATION IS BACT FOR A MODIFIED SOURCE.		DATE OF PERMIT ISSUANCE-- 07/03/79	
PERMIT NO. 78MD07		ESTIMATED DATE OF START-UP-- 1980	
DETERMINATION MADE BY	EPA REGION III (AGENCY)	BOB BLASZCZAK (AGENCY CONTACT PERSON)	(215)-597-8186 (PHONE)

=====

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

OIL FIRED BOILER	81.90 MMBTU/H	SO2	355.1000 LB/H S IN FUEL LIM. TO 1.3% BY WT	BACT
------------------	---------------	-----	---	------

NOTES -----
355.1 LB/H, 3 BOILERS (2 EXISTING & 1 NEW) WITH COMMON STACK
NEVER BUILT - COMPANY OUT OF BUSINESS

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
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APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

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=====
SOURCE TYPE/SIZE---      EXTERNAL COMBUSTION - OIL                      185.00 MMBTU/H EA
-----
COMPANY NAME/SITE LOCATION  HOUSTON LIGHTING & POWER                      , TX 77001
                                           MATAGORDA COUNTY
-----
DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. (REGION FILE NO.) PSD-TX-209
DETERMINATION MADE BY      EPA REGION VI
                           (AGENCY)
                           JOHN BUNYAK
                           (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 01/16/80
ESTIMATED DATE OF START-UP--
(214)-767-1594
                           (PHONE)
=====

```

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BOILER, 2 EA	185.00 MMBTU/H	SO2	0.5000 LB/MMBTU 92.1000 LB/H LOW SULFUR #2 FUEL OIL	BACT
		PM	0.1000 LB/MMBTU 18.3500 LB/H FGD	BACT
		NOX	0.3000 LB/MMBTU 55.0000 LB/H O2 CONTROL LOW NOX BURNER LEA FIRING	BACT

NOTES -----
 NO. 2 FUEL OIL -- < 0.5% SULFUR BY WT. CONTINUOUS OPERATION -- 8760 HR/YR

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=====
(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.
=====
PAGE 6- 114
ID NUMBER TX-0013
SOURCE TYPE CODE 1.2
=====

```

INITIAL REVIEW POST STARTUP
 REVIEW STATUS: 04/01/1983

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

SOURCE TYPE/SIZE---EXTERNAL COMBUSTION - OIL

COMPANY NAME/SITE LOCATION NORTHERN INDIANA PUBLIC SERVICE CO., SC*

, IN

JASPER COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.

PERMIT NO. EPA-5-79-A-25

DETERMINATION MADE BY

EPA REGION V
(AGENCY)BONIFACE THAYIL
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 03/16/79

ESTIMATED DATE OF START-UP--

(312)-836-6054

(PHONE)

PROCESSES SUBJECT
TO THIS PERMITTHROUGHPUT
CAPACITYPOLLUTANT
EMITTED

EMISSION LIMITS

CONTROL EQUIPMENT OR PROCESS MODIFICATION ... & BASIS

... PCT EFF

GENERATOR, OIL FIRED, 2

SO2

LIMITED TO 0.8% S FUEL OIL

NOX

75.0000 PPM

NOTES -----

EACH TURBINE RESTRICTED TO 2000 H/YR

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

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ID NUMBER IN-0024

SOURCE TYPE CODE 1.2

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

=====

SOURCE TYPE/SIZE---	EXTERNAL COMBUSTION - NATURAL GAS	175.00 MLB/H

COMPANY NAME/SITE LOCATION	CONSUMERS POWER CO.	MIDLAND, MI

DETERMINATION IS BACT FOR A NEW SOURCE.		DATE OF PERMIT ISSUANCE-- 06/01/81
PERMIT NO. 99-81		ESTIMATED DATE OF START-UP-- 1982
DETERMINATION MADE BY	MICHIGAN DNR	(517)-322-1333
	(AGENCY)	(PHONE)
	DAVID FERRIER	
	(AGENCY CONTACT PERSON)	

=====

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

BOILERS, NAT. GAS, 3 EA	175.00 MLB/H	NOX	0.2000 LB/MMBTU BURNER DESIGN & EX. AIR CONTRL

NOTES -----
3 NATURAL GAS-FIRED BOILERS.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983 03/13/1984

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

=====

SOURCE TYPE/SIZE---

EXTERNAL COMBUSTION - NATURAL GAS

COMPANY NAME/SITE LOCATION

MOBAY CHEMICAL CORP.

KANSAS CITY, MO

DETERMINATION IS BACT FOR A NEW SOURCE.

PERMIT NO. 485

DETERMINATION MADE BY

KANSAS CITY AQ5
(AGENCY)LARRY COLE
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 08/16/83

ESTIMATED DATE OF START-UP-- 1984

(816)-274-2501

(PHONE)

PROCESSES SUBJECT
TO THIS PERMITTHROUGHPUT
CAPACITYPOLLUTANT
EMITTED

EMISSION LIMITS

CONTROL EQUIPMENT OR PROCESS MODIFICATION

... & BASIS

... PCT EFF

BOILER, 2 TOTAL

198.60 MMBTU/H

NOX
SO2
VOC
PM
CO0.2000 LB/MMBTU
MINIMIZE
MINIMIZE
MINIMIZE
MINIMIZE

NSPS

NOTES -----

SOURCE TEST FOR NOX BY MAY 1984. ALLOWABLE FUELS ARE NATURAL GAS / #2 FUEL OIL.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/13/1984

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ID NUMBER MO-0006

SOURCE TYPE CODE 1.3

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

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=====
SOURCE TYPE/SIZE---      EXTERNAL COMBUSTION - NATURAL GAS      2000.00 HP
-----
COMPANY NAME/SITE LOCATION  SOUTHERN NAT. GAS      ENTERPRISE, MS      CLARKE COUNTY
-----
DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. (REGION FILE NO.) PSD-MS-036
DETERMINATION MADE BY      MISSISSIPPI DNR      DWIGHT WILEY      DATE OF PERMIT ISSUANCE-- 08/21/81
                           (AGENCY)      (AGENCY CONTACT PERSON)      ESTIMATED DATE OF START-UP--
                           (PHONE)
=====
  
```

```

=====
PROCESSES SUBJECT          THROUGHPUT          POLLUTANT          EMISSION LIMITS          ... & BASIS
TO THIS PERMIT            CAPACITY          EMITTED            CONTROL EQUIPMENT OR PROCESS MODIFICATION ... PCT EFF
-----
ENGINE, NAT. GAS          14000.00 CF/H N. G.
                           NOX          37.4000 LB/H          NSPS
                           163.9000 T/YR
                           BOILER DESIGN & OPERATION
                           CO          10.5000 LB/H          NSPS
                           46.2000 T/YR
                           BOILER OPERATION & DESIGN
  
```

NOTES -----

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(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.
=====
PAGE G- 119      ID NUMBER MS-0003      INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983
SOURCE TYPE CODE 1.3
  
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APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

=====

SOURCE TYPE/SIZE---	EXTERNAL COMBUSTION - WOOD WASTE	155.62 MMBTU/H

COMPANY NAME/SITE LOCATION	AFTON GENERATING CO.	AFTON, WY

DETERMINATION IS BACT FOR A NEW SOURCE.		DATE OF PERMIT ISSUANCE-- 02/15/83
PERMIT NO. CT-483		ESTIMATED DATE OF START-UP-- 1984
DETERMINATION MADE BY	WYOMING AGD	LEE GRIBOVICZ
	(AGENCY)	(AGENCY CONTACT PERSON)
		(307)-332-3144
		(PHONE)

=====

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

BOILER, WOOD & BARK WASTE	155.62 MMBTU/H			
		PM	0.0500 GR/DSCF AT 12% CO2	BACT
			0.1000 LB/MMBTU	
			MULTICLONE & LOW ENERGY WET SCRUBBER	80.00
		CO	0.4400 LB/MMBTU	BACT
			COMBUSTION CONTROL	
		VOC	0.0900 LB/MMBTU	BACT
		NOX	0.2400 LB/MMBTU	BACT
			COMBUSTION CONTROL	

NOTES -----

AS PERMIT CONDITION, AN ADJACENT LUMBER MILL WILL DISCONTINUE USE OF 2 WOOD WASTE BURNERS, A WOOD CHIP FIRED BOILER, AND AN OIL FIRED BOILER.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS:

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ID NUMBER WY-0003

SOURCE TYPE CODE 1.4

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

=====

SOURCE TYPE/SIZE---

EXTERNAL COMBUSTION - WOOD WASTE

COMPANY NAME/SITE LOCATION

CO-GEN

COEUR D'ALENE, ID

DETERMINATION IS BACT FOR A NEW SOURCE.

PERMIT NO.

DETERMINATION MADE BY

IDAHO AQB
(AGENCY)CLINT AYER
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 03/15/83

ESTIMATED DATE OF START-UP-- 1983

(208)-334-5360

(PHONE)

=====

PROCESSES SUBJECT
TO THIS PERMITTHROUGHPUT
CAPACITYPOLLUTANT
EMITTED

EMISSION LIMITS

CONTROL EQUIPMENT OR PROCESS MODIFICATION

... & BASIS
... PCT EFF

BOILER, WOOD FIRED

104.00 MMBTU/H

PM

3.9500 LB/H

MULTICLONE & BAGHOUSE

98.40

CO

5.9000 LB/H

NOX

19.0000 LB/H

NOTES -----

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

=====

INITIAL REVIEW POST STARTUP

REVIEW STATUS: 04/01/1983

=====

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ID NUMBER ID-0001A

SOURCE TYPE CODE 1.4

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

SOURCE TYPE/SIZE--- EXTERNAL COMBUSTION - WOOD WASTE 6.00 MW

COMPANY NAME/SITE LOCATION CO-GEN., INC. COEUR D'ALENE, ID

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. (REGION FILE NO.) PSD-X81-16
DETERMINATION MADE BY EPA REGION X
(AGENCY)

PAUL BOYS
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 03/15/83
ESTIMATED DATE OF START-UP-- 1983
(206)-442-1193
(PHONE)

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

BOILER	6.00 MW				
		PM	0.0340 LB/MMBTU		
			16.6000 T/YR		
			ESP		99.00
		NOX	0.1700 LB/MMBTU		BACT
			88.2000 T/YR		
		CO	0.2200 LB/MMBTU		BACT
			117.6000 T/YR		
		VOC	0.0800 LB/MMBTU		BACT
			117.6000 T/YR		

NOTES -----

GENERAL DESIGN CONTRIBUTES TO REDUCTION OF OIL POLLUTANTS AND INCLUDES 1) INCREASED BOILER HEIGHT FOR BETTER EFFICIENCY, 2) OV
ERFIRE AND UNDERFIRE AIR, 3) FEEDWATER HEATERS TO INCREASE EFFICIENCY.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

SOURCE TYPE/SIZE--- EXTERNAL COMBUSTION - WOOD WASTE

COMPANY NAME/SITE LOCATION HAYFORK COGENERATION PROJECT , CA

DETERMINATION IS BACT FOR A NEW SOURCE.

PERMIT NO. TAC-012

DETERMINATION MADE BY NORTH COAST UNITED AQMD
(AGENCY)

CHUCK SASSENATH
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 12/14/83

ESTIMATED DATE OF START-UP-- 1985

(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 WASTE	236.00 MMBTU/H	PM	0.0400 LB/MMBTU MULTICLONE/ESP	99.30
		NOX	0.1500 LB/MMBTU DESIGN	
		CO	0.3500 LB/MMBTU COMBUSTION MODIFICATION	
		VOC	0.0700 LB/MMBTU DESIGN	

NOTES -----
STATE FILE # A320-024

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS:

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

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=====
SOURCE TYPE/SIZE---      EXTERNAL COMBUSTION - WOOD WASTE      50.00 MW
-----
COMPANY NAME/SITE LOCATION  MCNEIL GENERATING STATION      BURLINGTON, VT
                           BURLINGTON ELECTRIC LIGHT DEP*
-----
DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO.
DETERMINATION MADE BY      VERMONT AEC      HAROLD GARABEDIAN      DATE OF PERMIT ISSUANCE-- 05/01/80
                           (AGENCY)          (AGENCY CONTACT PERSON)  ESTIMATED DATE OF START-UP-- 1984
                                           (802)-828-3395
                                           (PHONE)
```

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

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

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=====
SOURCE TYPE/SIZE---      EXTERNAL COMBUSTION - WOOD WASTE      35.00 MMBTU/H
-----
COMPANY NAME/SITE LOCATION TEXAS ELECTRIC COOP.,INC.      , TX      JASPER COUNTY
-----
DETERMINATION IS BACT FOR A NEW SOURCE.      DATE OF PERMIT ISSUANCE-- 02/07/84
PERMIT NO. 9369      ESTIMATED DATE OF START-UP-- 1984
DETERMINATION MADE BY      TEXAS ACB      JIM 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
BOILER	35.00 MMBTU/H	PM	0.3000 LB/MMBTU CYCLONES	BACT 92.50
		VOC	0.2000 LB/MMBTU	BACT
		NOX	0.0800 LB/MMBTU	BACT
		SO2	0.2000 LB/MMBTU	BACT
		CO	1.1000 LB/MMBTU	BACT

NOTES -----

PM CONTROL IS TWO CYCLONES IN SERIES. COLLECTION EFFICIENCIES ARE 85% FOR THE PRIMARY AND 50% FOR THE SECONDARY. MORE EFFICIENT PM CONTROL WAS NOT REQUIRED DUE TO ECONOMIC ANALYSIS.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS:

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

SOURCE TYPE/SIZE--- EXTERNAL COMBUSTION - WOOD WASTE

COMPANY NAME/SITE LOCATION ULTRASYSTEMS BLUE LAKE, CA

DETERMINATION IS BACT FOR A NEW SOURCE.

PERMIT NO. HAC-129

DETERMINATION MADE BY

NORTH COAST UNITED AQMD
(AGENCY)

CHUCK SASSENATH
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 01/12/84
ESTIMATED DATE OF START-UP-- 1980
(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 WASTE	162.00 MMBTU/H	PM	0.0450 LB/MMBTU MULTICLONE/GRANULAR BED ELECTO-SCRUBBER	99.20

NOTES -----
STATE FILE A320-029

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS:

PAGE G- 126 ID NUMBER CA-0077 SOURCE TYPE CODE 1.4

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

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SOURCE TYPE/SIZE---	EXTERNAL COMBUSTION - MULTIPLE FUELS	65.00 MW

COMPANY NAME/SITE LOCATION	AMES MUNICIPAL POWER PLANT	AMES, IA
		STORY COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.		DATE OF PERMIT ISSUANCE-- 11/05/79
PERMIT NO.		ESTIMATED DATE OF START-UP--
DETERMINATION MADE BY	EPA REGION VII (AGENCY)	DANIEL RODRIGUEZ (AGENCY CONTACT PERSON)
		(816)-374-6525 (PHONE)

=====

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

BOILER, UNIT #8, STEAM GEN.	769.00 MMBTU/H			
		PM	0.1000 LB/MMBTU HOT SIDE ESP'S	BACT 99.60
		SO2	1.2000 LB/MMBTU LOW S COAL	BACT
		NOX	0.7000 LB/MMBTU BOILER DESIGN	BACT

NOTES -----

UPON STARTUP OF UNIT 8, SO2 EMISSIONS FROM EXISTING UNITS 5,6, AND 7 WILL BE REDUCED FROM PRE-MODIFICATION EMISSION LEVELS BECAUSE OF A PROJECTED VIOLATION OF THE 24HR SO2/NAAQS. SEE IOHA CONSENT ORDER 79-A-007. THE STACKS ON TWO EXISTING UNITS AND ON PROPOSED UNIT 8 ARE LESS THAN GEP STACK HEIGHT. UNIT #8 WILL BE CAPABLE OF BURNING UP TO 30% REFUSE-DERIVED FUEL. TWO ESP'S WILL BE INSTALLED, STACKED ONE ON TOP OF THE OTHER BECAUSE OF SPACE LIMITATION.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

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ID NUMBER IA-0006

SOURCE TYPE CODE 1.5

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

=====

SOURCE TYPE/SIZE---	EXTERNAL COMBUSTION - MULTIPLE FUELS	90.00 MW

COMPANY NAME/SITE LOCATION	CITY OF COLUMBUS	COLUMBUS, OH
		FRANKLIN COUNTY

DETERMINATION IS B/L FOR A NEW SOURCE.		DATE OF PERMIT ISSUANCE-- 10/16/79
PERMIT NO. EPA-5-A-80-3		ESTIMATED DATE OF START-UP--
DETERMINATION MADE BY	EPA REGION V	(312)-886-6054
	(AGENCY)	(PHONE)
	BONIFACE THAYIL	
	(AGENCY CONTACT PERSON)	

=====

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

BOILER, REFUSE/COAL FIRED, 6 EA	240.00 MMBTU/H			
		PM	0.1000 LB/MMBTU	
		SO2	0.9300 LB/MMBTU 6 BOILERS OPER.	
			1.4400 LB/MMBTU, <4 BOILERS OPER.	
		NOX	0.5000 LB/MMBTU	
			0.7000 LB/MMBTU COAL ONLY	

NOTES -----

REFUSE MUST COMPRISE AT LEAST 50% OF THE TOTAL HEAT INPUT.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

=====

SOURCE TYPE/SIZE---	EXTERNAL COMBUSTION - MULTIPLE FUELS	3600.00 MMBTU/H

COMPANY NAME/SITE LOCATION	FLORIDA POWER & LIGHT BARWICK ROAD	SANFORD, FL 32771 VOLUSIA COUNTY

DETERMINATION IS	FOR A MODIFIED SOURCE.	DATE OF PERMIT ISSUANCE-- 02/20/80
PERMIT NO. FL-047		ESTIMATED DATE OF START-UP-- 1979
DETERMINATION MADE BY	FLORIDA DER (AGENCY)	ED PALAGYI (AGENCY CONTACT PERSON)
		(904)-488-1344 (PHONE)

=====

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

COAL PULVERIZERS	96000.00 LB/H	PM	7.7000 LB/H 11.0900 T/YR BAGHOUSE	NSPS 99.96

NOTES -----

TEST FACILITY - 50/50 COAL/OIL FIRED UNIT.

TESTING COMPLETED, SOURCE NO LONGER EXISTS.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW	POST STARTUP
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ID NUMBER FL-0014

SOURCE TYPE CODE 1.5

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

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=====
SOURCE TYPE/SIZE---      EXTERNAL COMBUSTION - MULTIPLE FUELS      4457.00 MMBTU/H
-----
COMPANY NAME/SITE LOCATION  GULF STATES UTILITY      WEST LAKE, LA      CALCASIEU PARISH
-----
DETERMINATION IS BACT FOR A MODIFIED SOURCE.      DATE OF PERMIT ISSUANCE-- 07/24/81
PERMIT NO. (REGION FILE NO.) PSD-LA-305      ESTIMATED DATE OF START-UP--
DETERMINATION MADE BY      EPA REGION VI      JOHN BUNYAK      (214)-767-1594
                        (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
-----
TURBINE      1390.00 MMBTU/H
      NOX      0.2700 LB/MMBTU OIL      NSPS
      0.2700 LB/MMBTU GAS
      CO      0.1300 LB/MMBTU OIL      60.00
      0.0900 LB/MMBTU GAS      BACT
      EFFICIENT COMBUSTION
      SO2      0.6800 LB/MMBTU OIL      BACT
      0.0010 LB/MMBTU GAS
      LOW SULFUR FUEL (.7%)
      PM      0.2100 LB/MMBTU OIL      BACT
      0.0010 LB/MMBTU GAS
      EFFICIENT COMBUSTION (.5% ASH)
COAL GASIFIER      75.34 T/H COAL
      NOX      0.0300 LB/T      BACT
      EXISTING INTERNAL CONTROLS
      CO      0.6900 LB/T      BACT
      EXISTING INTERNAL CONTROLS
      SO2      0.1000 LB/T      BACT
      EXISTING INTERNAL CONTROLS
      PM      0.0300 LB/T      BACT
      EXISTING INTERNAL CONTROLS
=====

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(CONTINUED) GULF STATES UTILITY

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

BOILER	1706.00 MMBTU/H	NOX	0.1900 LB/MMBTU COAL GAS	BACT
			0.3000 LB/MMBTU OIL	
		CO	LOW BTU COAL GAS AS FUEL	56.00
			0.0080 LB/MMBTU COAL GAS	BACT
		SO2	0.0300 LB/MMBTU OIL	
			LOW BTU COAL GAS AS FUEL	
		PM	0.6200 LB/MMBTU COAL GAS	BACT
			0.6600 LB/MMBTU OIL	
			LOW BTU COAL GAS AS FUEL	
			0.0300 LB/MMBTU COAL GAS	BACT
COAL GASIFIER	53.65 T/H COAL	NOX	0.0100 LB/T	BACT
			RECYCLE PROCESS GAS	
		CO	0.0100 LB/T	BACT
			EFFICIENT COMBUSTION	
		SO2	0.1900 LB/T	BACT
			TAIL GAS FLARE	
		PM	0.0100 LB/T	BACT
			NONE	
TURBINE	1361.00 MMBTU/H	NOX	0.2500 LB/MMBTU	NSPS
			STEAM INJECTION	
		CO	0.0900 LB/MMBTU	BACT
			EFFICIENT COMBUSTION	
		SO2	0.2100 LB/MMBTU	BACT
			LOW SULFUR FUEL (.7%)	
COAL DELIVERY		PM	0.0010 LB/MMBTU	BACT
			COAL GAS SLOW ASH FUEL (.5%)	
		PM	0.0800 LB/H WETTING	BACT

(CONTINUED) GULF STATES UTILITY

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
CRUSHING/SCREENING		PM	0.1400 LB/H BAGHOUSE	BACT
PULVERIZING		PM	0.0800 LB/H BAGHOUSE	BACT

NOTES -----

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1993

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

=====

SOURCE TYPE/SIZE---	EXTERNAL COMBUSTION - MULTIPLE FUELS	442.00 MMBTU/H

COMPANY NAME/SITE LOCATION	HARNEY ELECT.	HINES, OR

DETERMINATION IS BACT FOR A NEW SOURCE.		DATE OF PERMIT ISSUANCE-- 08/14/81
PERMIT NO. (REGION FILE NO.) PSD-X81-12		ESTIMATED DATE OF START-UP--
DETERMINATION MADE BY EPA REGION X	PAUL BOYS	(206)-442-1193
(AGENCY)	(AGENCY CONTACT PERSON)	(PHONE)

=====

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

BOILERS, 2	221.00 MMBTU/H EA	SO2	0.1800 LB/MMBTU DRY SCRUBBING	BACT 85.00
		NOX	0.5000 LB/MMBTU DRY COMBUSTION CONTROLS	BACT

NOTES -----

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

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ID NUMBER OR-0001

SOURCE TYPE CODE 1.5

05/22/1984

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BOILER, PACKAGE	14.60 MMBTU/H			
		PM	0.0100 LB/MMBTU	BACT
		VOC	0.0020 LB/MMBTU	BACT
		NOX	0.1000 LB/MMBTU	BACT
			AUTOMATIC O2 CONTROL	
		SO2	0.2200 LB/MMBTU	BACT
			0.3% S IN OIL	
		CO	0.0300 LB/MMBTU	BACT

INITIAL REVIEW POST STARTUP
REVIEW STATUS:

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

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=====
SOURCE TYPE/SIZE---      EXTERNAL COMBUSTION - MULTIPLE FUELS      700.00 MW
-----
COMPANY NAME/SITE LOCATION  POWER AUTHORITY STATE OF NEW YORK      STATEN, NY
-----
DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO.
DETERMINATION MADE BY      EPA REGION II      DENNIS SANTELLA      DATE OF PERMIT ISSUANCE-- 02/22/82
                           (AGENCY)      (AGENCY CONTACT PERSON)  ESTIMATED DATE OF START-UP-- 1987
                           (212)-264-9628      (PHCNE)
=====

```

```

=====
PROCESSES SUBJECT          THROUGHPUT      POLLUTANT      EMISSION LIMITS      ... & BASIS
TO THIS PERMIT            CAPACITY      EMITTED      CONTROL EQUIPMENT OR PROCESS MODIFICATION ... PCT EFF
-----
BOILER                    6700.00 MMBTU/H
                           PM      0.0210 LB/MMBTU COAL      BACT
                           PM      0.0300 LB/MMBTU COAL/ROF
                           VE      0.0120 LB/MMBTU OIL      BACT
                           SO2     20.0000 % OPACITY
                           SO2     0.4000 LB/MMBTU      BACT
                           FGD      92.00
                           NOX     0.6000 LB/MMBTU COAL      BACT
                           CO      0.3000 LB/MMBTU OIL
                           CO      0.0410 LB/MMBTU      BACT
                           GOOD COMBUSTION
AUX. BOILER              220.00 MMBTU/H
                           PM      0.0840 LB/MMBTU
                           GOOD COMBUSTION
                           SO2     0.3000 % S FUEL      SIP
                           NOX     0.3000 LB/MMBTU
COAL HANDLING
                           COA*      USE OF PRE-WASHED COAL      BACT
=====

```


(CONTINUED) POWER AUTHORITY STATE OF NEW YORK

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
COAL CRUSHED		PM	0.0300 GR/DSCF	BACT
		VE	20.0000 % OPACITY	
COOLING TOWER		PM	0.0020 % OF H2O FLOW DRIFT ELIMINATOR	

NOTES -----

CONTACT REGION 2 FOR DESIGN SPECIFICS FOR CONTROL DEVICES.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

SOURCE TYPE/SIZE--- EXTERNAL COMBUSTION - MULTIPLE FUELS

COMPANY NAME/SITE LOCATION STONE CONTAINER CORP.

HODGE, LA

JACKSON PARISH

DETERMINATION IS BACT FOR A NEW SOURCE.

PERMIT NO. PSD-LA-505

DATE OF PERMIT ISSUANCE-- 06/02/83

ESTIMATED DATE OF START-UP-- 1984

DETERMINATION MADE BY

LAQD/EPA REGION VI
(AGENCY)BHARAT CONTRACTOR
(AGENCY CONTACT PERSON)(504)-342-8940
(PHONE)

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

BOILER, COAL FIRED

1023.00 MMBTU/H

SO2	1227.6000 LB/H	B/N
	1.2000 LB/MMBTU	
	SINGLE-ALKALI FGD	95.00
PM	102.3000 LB/H	NSPS
	0.1000 LB/MMBTU	
	ESP	99.00
NOX	716.1000 LB/H	B/N
	0.7000 LB/MMBTU	
	BOILER DESIGN	
CO	47.6000 LB/H	BACT
	0.0465 LB/MMBTU	
	BOILER DESIGN	
VOC	14.3000 LB/H	BACT
	BOILER DESIGN	
BE	0.0006 LB/H	BACT
	BOILER DESIGN	
F	0.8200 LB/H	BACT
SO2	816.5000 LB/H	B/N
	1.2000 LB/MMBTU	
	LOW S FUEL/STACK MONITOR	

BOILER, COMBINATION, BARK/COAL *

680.40 MMBTU/H

PM	68.0000 LB/H	NSPS
	0.1000 LB/MMBTU	
	ESP	99.00
NOX	476.3000 LB/H	B/N
	0.7000 LB/MMBTU	
	OVERFIRE AIR COMPARTMENT	
CO	420.4000 LB/H	BACT
	0.6180 LB/MMBTU	
	OVERFIRE AIR COMPARTMENT	
VOC	105.9000 LB/H	BACT
	OVERFIRE AIR COMPARTMENT	
BE	0.0003 LB/H	BACT
	OVERFIRE AIR COMPARTMENT	
F	3.7500 LB/H	BACT

NOTES -----
 BASIA OF F LIMIT ON BOILER IS 100. PPM F IN COAL.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.	INITIAL REVIEW	POST STARTUP
=====	REVIEW STATUS:	=====
PAGE G- 138	ID NUMBER LA-0042	SOURCE TYPE CODE 1.5

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

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=====
SOURCE TYPE/SIZE---      EXTERNAL COMBUSTION - OTHER      161000.00 LB/H
-----
COMPANY NAME/SITE LOCATION  CALIFORNIA POWER & LIGHT      FIREBAUGH, CA      FRESNO COUNTY
-----
DETERMINATION IS BACT FOR A NEW SOURCE.      DATE OF PERMIT ISSUANCE-- 01/01/84
PERMIT NO. SJ 83-08      ESTIMATED DATE OF START-UP-- 1986
DETERMINATION MADE BY      EPA REGION IX      MATT HABER      (415)-974-8209
      (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      80500.00 LB/H BIOMASS
      SO2      37.0000 LB/H
      40.0000 PPM AT 3% O2
      DRY SCRUBBER      89.00
      LIMIT ON FUEL S CONTENT IS 0.21 %.
      NOX      140.0000 LB/H
      CONTROL OF OVERFIRE & UNDER FIRE AIR
      CO      309.0000 LB/H
      PROPER COMBUSTION
      PM      0.0100 GR/DSCF
      BAGHOUSE
=====

```

NOTES -----

THE TOTAL PLANT HAS A NET ELECTRICAL GENERATING CAPACITY OF APPROX. 50 MW. ALL BACT IS DETERMINED BY TECH./ ECONOMICS. TSP LIM
IT IS DISTRICT LAER. CEM'S REQUIRED FOR NOX, SO2, OPACITY. FINAL NOX PPM LIMIT WILL BE SET
AFTER OPERATION COMMENCES.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/19/1984

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

=====

SOURCE TYPE/SIZE---

EXTERNAL COMBUSTION - OTHER

COMPANY NAME/SITE LOCATION

CONTINENTAL CARBON CO.

, TX

MOORE COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.

PERMIT NO. C-9011

DETERMINATION MADE BY

TEXAS ACB

(AGENCY)

JAMES CROCKER
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 11/04/82

ESTIMATED DATE OF START-UP-- 1981

(512)-451-5711

(PHONE)

=====

PROCESSES SUBJECT
TO THIS PERMITTHROUGHPUT
CAPACITYPOLLUTANT
EMITTED

EMISSION LIMITS

CONTROL EQUIPMENT OR PROCESS MODIFICATION ... & BASIS

WASTE GAS DRYER

13.60 MMBTU/H

PM

2.2000 LB/H

INCIN. OF CARBON BLACK IN C. BLACK REACTOR

NOX

5.8000 LB/H

SO2

69.1000 LB/H

NOTES -----

100% EFF. IN REDUCING REDUCED SULFUR COMPOUNDS & HYDROCARBONS, A CORRESPONDING INCREASE IN SULFUR DIOXIDE EMISSIONS.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP

REVIEW STATUS: 05/24/1984

=====

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ID NUMBER TX-0124

SOURCE TYPE CODE 1.6

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

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=====
SOURCE TYPE/SIZE---      EXTERNAL COMBUSTION - OTHER      1500.00 MW
-----
COMPANY NAME/SITE LOCATION  HOUSTON LIGHTING & POWER      FARRAR, TX
                                           LIMESTONE COUNTY
-----
DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. (REGION FILE NO.) PSD-TX-371
DETERMINATION MADE BY      EPA REGION VI
                           (AGENCY)
                           JOHN BUNYAK
                           (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 09/10/81
ESTIMATED DATE OF START-UP-- 1985
                           (214)-767-1594
                           (PHONE)
=====

```

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BOILER, LIGNITE-FIRED, 2 EA	7863.00 MMBTU/H	PM	0.0300 LB/MMBTU ELECTROSTATIC PRECIPITATOR	NSPS 99.95
		SO2	FLUE GAS DESULFURIZATION	82.00
		NOX	0.6000 LB/MMBTU TANGENTIAL FIRING, LOW NOX BURNER	NSPS
		CO	0.1100 LB/MMBTU CONTROLLED COMB. & O2 MON.	BACT
		VOC	0.0010 LB/MMSTU BOILER DESIGN	BACT
		FB	0.0000 LB/MMBTU FLUE GAS DESULFURIZATION	BACT 98.00
		HG	0.0000 LB/MMSTU FLUE GAS DESULFURIZATION	BACT 13.00
		BE	0.0000 LB/MMSTU FLUE GAS DESULFURIZATION	BACT 99.40
		H2S*	0.0310 LB/MMSTU MIST ELIMINATOR	BACT
LIMESTONE RAILCAR UNLOAD		PM	1.3300 LB/H WET SUPPRESSION	BACT

(CONTINUED) HOUSTON LIGHTING & POWER

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
LIMESTONE RECLAIM & TRANSFER		PM	0.0500 LB/H BAGHOUSE	BACT 99.80
LIMESTONE LOADOUT		PM	0.0200 LB/H BAGHOUSE	BACT 99.80
LIMESTONE STORAGE PILE		PM	0.3700 LB/H TELESCOPIC CHUTE	BACT
LIMESTONE RECLAIM TUNNEL		PM	0.0200 LB/H BAGHOUSE	BACT 99.80
LIMESTONE FEED SILO, 3 EA		PM	0.0100 LB/H BAGHOUSE	BACT 99.80
FLYASH SILO		PM	0.1200 LB/H BAGHOUSE	BACT 99.80
FEED SILO, WASTE BLENDING		PM	0.1200 LB/H BAGHOUSE	BACT 99.80
PUGHILL, WASTE BLENDING		PM	0.2100 LB/H BAGHOUSE	BACT 99.80

NOTES -----

PM LIMIT TO BE COMPUTED BY APPLICANT USING GRAPH DERIVED FROM NSPS (CONSIDER CONTROL EFFICIENCY AND FUEL SULFUR CONTENT). SULF
URIC ACID MIST LIMIT APPLIES WHEN FIRING LIGNITE WITH UP TO 1.71 LB/MMBTU.
OTHERWISE, 0.075 LB/MMBTU WHEN FIRING LIGNITE WITH MORE THAN 1.71 LB/MMBTU.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

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=====
SOURCE TYPE/SIZE---      EXTERNAL COMBUSTION - OTHER      2010.00 T/D
-----
COMPANY NAME/SITE LOCATION METROPOLITAN SERVICE DISTRICT      OREGON CITY, OR
-----
DETERMINATION IS B/L FOR A NEW SOURCE.
PERMIT NO. 03-2667
DETERMINATION MADE BY      OREGON DEQ      LLOYD KOSTOW      DATE OF PERMIT ISSUANCE--
                           (AGENCY)      (AGENCY CONTACT PERSON)      ESTIMATED DATE OF START-UP--
                                           (503)-229-5186
                                           ((PHONE))
=====

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=====
PROCESSES SUBJECT      THROUGHPUT      POLLUTANT      EMISSION LIMITS      ... & BASIS
TO THIS PERMIT      CAPACITY      EMITTED      CONTROL EQUIPMENT OR PROCESS MODIFICATION      ... PCT EFF
-----
BOILERS, 3      2010.00 T/D
      PM      0.0150 GR/DSCF      LAER
      BAGHOUSE      99.90
      VOC      0.1200 LB/T      BACT
      GOOD COMBUSTION
      SO2      0.5730 LB/T      BACT
      DRY SCRUBBER      80.00
      NOX      3.5800 LB/T      BACT
      HG      0.0025 LB/T      BACT
      BAGHOUSE
      CO      1.4300 LB/T      BACT
      GOOD COMBUSTION
      PB      0.0075 LB/T      BACT
      BAGHOUSE
      F      0.0170 LB/T      BACT
      DRY SCRUBBER      70.00
      HCL      0.6690 LB/T      BACT
      DRY SCRUBBER      90.00
      TET*      0.0000 LB/T      BACT
      BAGHOUSE
      GOOD COMBUSTION
=====

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(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

 INITIAL REVIEW POST STARTUP
 REVIEW STATUS: 04/01/1983

NOTES -----

THE FINAL PERMIT WAS NOT ISSUED BECAUSE APPLICATION WAS WITHDRAWN FOLLOWING DEFEAT OF THE PROJECT BY VOTE ON INITIATIVE. LIMIT
ARE BASED ON PROPOSED PERMIT.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

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ID NUMBER OR-0003

SOURCE TYPE CODE 1.6

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

=====

SOURCE TYPE/SIZE---	EXTERNAL COMBUSTION - OTHER	80.00 MW

COMPANY NAME/SITE LOCATION	OCCIDENTAL GEOTHERMAL - OXY #1	, CA
		LAKE COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.		DATE OF PERMIT ISSUANCE-- 05/10/82
PERMIT NO. NSR-4-4-1 NC-81-03		ESTIMATED DATE OF START-UP--
DETERMINATION MADE BY	EPA REGION IX	(415)-974-8209
	(AGENCY)	(PHONE)
	MATT HABER	
	(AGENCY CONTACT PERSON)	

=====

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

POWER PLANT	80.00 MW	H2S	8.0000 LB/H STRETFORD PROC., H2O2 TREAT., DESIGN	99.00

NOTES -----

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW	POST STARTUP
REVIEW STATUS: 04/01/1983	04/04/1984

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

SOURCE TYPE/SIZE--- EXTERNAL COMBUSTION - OTHER

COMPANY NAME/SITE LOCATION PACIFIC GAS & ELECTRIC CO., GEYSERS UNI* , CA
SONOMA COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.

PERMIT NO. (REGION FILE NO.) NSR-4-4-3 SSB-81-03

DETERMINATION MADE BY EPA REGION IX
(AGENCY)MATT HABER
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 07/27/82

ESTIMATED DATE OF START-UP--

(415)-974-8209

(PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
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POWER PLANT	2.00 MMLB/H STEAM	H2S	10.4000 LB/H STRETTFORD PROCESS & CATALYST SYS	BACT
-------------	-------------------	-----	---	------

NOTES -----

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1993 04/04/1984

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

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SOURCE TYPE/SIZE---	EXTERNAL COMBUSTION - OTHER	1500.00 MW

COMPANY NAME/SITE LOCATION	TEXAS UTILITIES GEN CO. TWIN OAKS STATION	FRANKLIN, TX ROBERTSON COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.		DATE OF PERMIT ISSUANCE-- 09/22/77
PERMIT NO. PSD-TX-32		ESTIMATED DATE OF START-UP--
DETERMINATION MADE BY	EPA REGION VI (AGENCY)	JOHN BUNYAK (AGENCY CONTACT PERSON)
		(214)-767-1594 (PHONE)

=====

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

LIGNITE FIRED STEAM	1500.00 MW			
		SO2	1.2000 LB/MMBTU FGD	71.90
		PM	0.1000 LB/MMBTU ESP	99.50

NOTES -----
LIGNITE-FIRED

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

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ID NUMBER TX-0003

SOURCE TYPE CODE 1.6

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

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=====
SOURCE TYPE/SIZE---      EXTERNAL COMBUSTION - OTHER      1500.00 MW
-----
COMPANY NAME/SITE LOCATION TEXAS UTILITIES SERVICE, INC.      KOSSE, TX 76653
                           OAK KNOLL STATION                  LIMESTON COUNTY
-----
DETERMINATION IS BACT FOR A NEW SOURCE.      DATE OF PERMIT ISSUANCE-- 02/09/78
PERMIT NO. PSD-TX-47      ESTIMATED DATE OF START-UP--
DETERMINATION MADE BY      EPA REGION VI      JOHN BUNYAK      (214)-767-1594
                           (AGENCY)      (AGENCY CONTACT PERSON)      (PHONE)
=====
```

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
LIGNITE FIRED STEAM	1500.00 MW	SO2	1.2000 LB/MMBTU FGD	74.00
		PM	0.1000 LB/MMBTU ESP	90.00

NOTES -----
LIGNITE FIRED

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

=====

SOURCE TYPE/SIZE---	EXTERNAL COMBUSTION - OTHER	792.00 MMBTU/H	

COMPANY NAME/SITE LOCATION	TEXAS UTILITIES SERVICE, INC. MILL CREEK	HENDERSON, TX	RUSK COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.		DATE OF PERMIT ISSUANCE-- 01/17/78	
PERMIT NO. PSD-TX-44		ESTIMATED DATE OF START-UP--	
DETERMINATION MADE BY	EPA REGION VI (AGENCY)	JOE WINKLER (AGENCY CONTACT PERSON)	(214)-767-1594 (PHONE)

=====

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

LIGNITE FIRED STEAM ELECT.	750.00 MW			
		SO2	1.2000 LB/MMBTU FGD	89.70
		PM	0.1000 LB/MMBTU ESP	99.44

NOTES -----

EMISSIONS ARE BASED ON 1.06 LB/MMBTU SO2, 0.1 LB/MMBTU PART., AND 0.6 LB/HR NOX. LOWER EMISSIONS MAY BE REQUIRED.

LIGNITE FIRED

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

=====

SOURCE TYPE/SIZE---	EXTERNAL COMBUSTION - OTHER	2250.00 T/D

COMPANY NAME/SITE LOCATION	WESTCHESTER COUNTY RESOURCE RECOVERY	PECKSKILL, NY

DETERMINATION IS BACT FOR A NEW SOURCE.		DATE OF PERMIT ISSUANCE-- 02/22/82
PERMIT NO.		ESTIMATED DATE OF START-UP-- 1985
DETERMINATION MADE BY	EPA REGION II (AGENCY)	BARRY TORNICK (AGENCY CONTACT PERSON)
		(212)-264-9579 (PHONE)

=====

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

INCINERATORS, REFUSE FIRED, WAT*	750.00 T/D			
		PM	0.0300 GR/DSCF ESP AT 12% CO	BACT 98.50
		CO	0.6200 LB/T REFUSE DESIGN, HIGH XS AIR, GOOD COMBUSTION	BACT
		NOX	3.0000 LB/T REFUSE DESIGN, PROPER OPERATION	BACT
		S02		BACT
		PB	0.0300 GR/DSCF ESP AT 12% CO	BACT 98.50
		HG	0.0300 GR/DSCF ESP AT 12% CO	BACT 98.50
		BE	0.0300 GR/DSCF ESP AT 12% CO	BACT 98.50
		ASB*	0.0300 GR/DSCF ESP AT 12% CO	BACT 98.50

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

NOTES -----

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

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ID NUMBER NY-0008

SOURCE TYPE CODE 1.6

APPENDIX -- DETAILED SOURCE LISTING

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SOURCE TYPE/SIZE---

REFUSE INCINERATION

COMPANY NAME/SITE LOCATION

DUTCHESS COUNTY RESOURCE RECOVERY

POUGHKEEPSIE, NY

DETERMINATION IS BACT FOR A NEW SOURCE.

PERMIT NO. 134601 0024

DETERMINATION MADE BY

NEW YORK DEC
(AGENCY)JAMES HARRINGTON
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 10/14/83

ESTIMATED DATE OF START-UP-- 1986

(518)-457-2018

(PHONE)

PROCESSES SUBJECT
TO THIS PERMITTHROUGHPUT
CAPACITYPOLLUTANT
EMITTED

EMISSION LIMITS

CONTROL EQUIPMENT OR PROCESS MODIFICATION ... & BASIS

... PCT EFF

COMBUSTION UNIT, WATER WALL & R* 200.00 T/D

PM

0.0150

GR/DSCF, NOTE
FABRIC FILTER

BACT

SO2

25.0000

LB/H

99.50

NOX

25.0000

LOW S FUEL

LB/H

BACT

CO

13.0000

PROPER BOILER DESIGN

LB/H

BACT

HCL

33.0000

GOOD COMBUSTION CONTROL

LB/H, NOTE

LIME COATING FOR BAGHOUSE

80.00

NOTES -----

APPLICANTS ORIGINAL PROPOSAL FOR ESP AT 0.03 GR/DSCF WAS PRELIMINARILY ACCEPTED AS BACT. HOWEVER, DECISION TO USE DRY SCRUBBER /BAGHOUSE FOR ACID GAS CONTROL YIELDED ADDITIONAL PARTICULATE CONTROL. ACID GAS CONTROL WAS NOT A REQUIREMENT OF NYS DEC.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS:

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ID NUMBER NY-0012

SOURCE TYPE CODE 2.1

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

=====

SOURCE TYPE/SIZE---	REFUSE INCINERATION	1800.00 T/D RDF

COMPANY NAME/SITE LOCATION	ENERGY ANSWERS CORP. SEMASS PROJECT	ROCHESTER, MA

DETERMINATION IS BACT FOR A NEW SOURCE.		DATE OF PERMIT ISSUANCE-- 03/15/82
PERMIT NO. 025-120MA14		ESTIMATED DATE OF START-UP--
DETERMINATION MADE BY	EPA REGION I (AGENCY)	JOHN COURCIER (AGENCY CONTACT PERSON)
		(617)-223-4448 (PHONE)

=====

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

BOILER, WATER-COOLED, 3 EA.	600.00 T/D RDF EA			
		PM	0.0500 GR/DSCF 12% CO2 ESP, 3-STAGE	BACT 96.00
		SO2	0.3400 LB/MMBTU 0.3000 % S BY WT, OIL LOW S #2 FUEL OIL/LOW S RDF	BACT
		NOX	0.5000 LB/MMBTU BOILER DESIGN	BACT

NOTES -----

ALL BACT LIMITS WERE DETERMINED SIMPLY BY TECHNOLOGY AVAILABLE AND THE ECONOMIC IMPACTS OF OTHER CONTROLS.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1993

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

=====

SOURCE TYPE/SIZE---

REFUSE INCINERATION

2360.00 T/D

COMPANY NAME/SITE LOCATION

HOOKER ENERGY CORP.

NIAGARA FALLS, NY

NIAGARA COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.

PERMIT NO. NONE

DETERMINATION MADE BY

EPA REGION II
(AGENCY)BARRY TORNICK
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 07/23/81

ESTIMATED DATE OF START-UP-- 1982

(212)-264-9579

(PHONE)

=====

PROCESSES SUBJECT
TO THIS PERMITTHROUGHPUT
CAPACITYPOLLUTANT
EMITTED

EMISSION LIMITS

CONTROL EQUIPMENT OR PROCESS MODIFICATION

... & BASIS

... PCT EFF

RDF/COAL FIRED BOILERS

2360.00 T/D REFUSE

SO2

1.2000 LB/MMBTU COAL

0.8000 LB/MMBTU OIL

CONTRL METHOD: FUEL S CONTENT

NOX

0.7000 LB/MMBTU COAL

0.3000 LB/MMBTU OIL

CONTRL METHOD: TEMP & E.A.

PM

0.1000 LB/MMBTU COAL

0.0700 LB/MMBTU OIL

PM

0.0300 GR/DSCF REFUSE

VE

20.0000 % OPACITY COAL

20.0000 % OPACITY OIL

VE

20.0000 % OPACITY REFUSE

BACT

BACT

NOTES -----

COAL USE LIMITED TO 30 DAYS PER YEAR. COMBUSTION FUEL EMISSION LIMITS INTERPOLATED BASED ON FUEL MIXTURE RATIO.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP

REVIEW STATUS: 04/01/1983

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ID NUMBER NY-0002

SOURCE TYPE CODE 2.1

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

SOURCE TYPE/SIZE--- REFUSE INCINERATION

COMPANY NAME/SITE LOCATION KATY SEGHERS

CLEARFIELD, UT

DETERMINATION IS BACT FOR A NEW SOURCE.

PERMIT NO.

DATE OF PERMIT ISSUANCE-- 02/24/84

ESTIMATED DATE OF START-UP-- 1985

DETERMINATION MADE BY

UTAH BAQ

DAVID KOPTA

(801)-533-6108

(AGENCY)

(AGENCY CONTACT PERSON)

(PHONE)

PROCESSES SUBJECT
TO THIS PERMITTHROUGHPUT
CAPACITYPOLLUTANT
EMITTED

EMISSION LIMITS

CONTROL EQUIPMENT OR PROCESS MODIFICATION

... & BASIS
... PCT EFF

INCINERATOR & BOILER, WASTE HEAT 500.00 T/D

PM	0.0250	GR/DSCF AT 12% CO2	BACT
		ESP	98.00
VE	20.0000	% OPACITY	BACT
		ESP	
SO2	22.4000	LB/H	BACT
		LINE SCRUBBER/INJECTION	50.00
HCL	31.8000	LB/H	BACT
		LINE SCRUBBER/INJECTION	50.00
NOX	29.9000	LB/H	BACT
		COMBUSTION CONTROL	
CO	35.5000	LB/H	BACT
		COMBUSTION CONTROL	
F	1.1000	LB/H	BACT
		ESP	
HG	0.1200	LB/H	BACT
PB	0.2200	LB/H	BACT
		ESP	

NOTES -----

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW POST STARTUP

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ID NUMBER UT-0032

SOURCE TYPE CODE 2.1

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

=====

SOURCE TYPE/SIZE---

REFUSE INCINERATION

1000.00 T/D

COMPANY NAME/SITE LOCATION

MCKAY BAY REFUSE-TO-ENERGY PROJECT

TAMPA, FL 33602

DETERMINATION IS LAER FOR A NEW SOURCE.

PERMIT NO. AC 29-47277

DETERMINATION MADE BY

FLORIDA DER
(AGENCY)JOHN SVEC
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 04/25/82

ESTIMATED DATE OF START-UP-- 1984

(904)-488-1344

(PHONE)

=====

PROCESSES SUBJECT
TO THIS PERMITTHROUGHPUT
CAPACITYPOLLUTANT
EMITTED

EMISSION LIMITS

CONTROL EQUIPMENT OR PROCESS MODIFICATION

... & BASIS

... PCT EFF

MASS BURN FURNACES

1000.00 T/D WASTE

PM

0.0250 GR/DSCF AT 12% O2

LAER

ESP

99.00

VE

CONTINUOUS OPACITY MONITOR

NOTES -----

CONTINUOUS OPACITY MONITOR LIMITS TO BE DETERMINED DURING PERFORMANCE TESTING. FACILITY TO INCLUDE WASTE HEAT BOILERS AND TURBINE ELECTRICAL GENERATORS.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

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INITIAL REVIEW POST STARTUP

REVIEW STATUS: 04/01/1983

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ID NUMBER FL-0030

SOURCE TYPE CODE 2.1

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

=====

SOURCE TYPE/SIZE---	REFUSE INCINERATION	1000.00 T/D

COMPANY NAME/SITE LOCATION	MCKAY BAY REFUSE-TO-ENERGY PROJECT	TAMPA, FL 33602

DETERMINATION IS BACT FOR A NEW SOURCE.		DATE OF PERMIT ISSUANCE-- 07/02/82
PERMIT NO. (REGION FILE NO.) PSD FL-086		ESTIMATED DATE OF START-UP-- 1984
DETERMINATION MADE BY	FLORIDA DER	(904)-488-1344
	(AGENCY)	(PHONE)
	JOHN SVEC	
	(AGENCY CONTACT PERSON)	

=====

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

MASS BURN FURNACES	1000.00 T/D WASTE			
		SO2	170.0000 LB/H LOW SULFUR FUEL	
		NOX	300.0000 LB/H COMBUSTION TECHNIQUE	
		VOC	9.0000 LB/H COMBUSTION TECHNIQUE	
		PB	3.1000 LB/H ESP	98.00
		F	6.0000 LB/H NONE	
		HG	0.6000 LB/H ESP	98.00
		BE	5.0000 G/D ESP	

NOTES -----

FACILITY DESIGN ALLOWS FOR FUTURE INSTALLATION OF A SCRUBBER SYSTEM; NSPS APPLIES TO THIS FACILITY. FURNACES-FOUR 250 TPD USING VOLUND TECHNOLOGY, WASTE HEAT BOILERS & TURBINE GENERATORS.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

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ID NUMBER FL-0030A

SOURCE TYPE CODE 2.1

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

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SOURCE TYPE/SIZE---	REFUSE INCINERATION	600.00 T/D
---------------------	---------------------	------------

COMPANY NAME/SITE LOCATION	MUNICIPAL INCINERATOR PULASKI HWY PULASKI HIGHWAY	BALTIMORE, MD 21237 BALTIMORE CITY COUNTY
----------------------------	--	--

DETERMINATION IS BACT FOR A NEW SOURCE.	DATE OF PERMIT ISSUANCE-- 01/25/80
PERMIT NO. 78MD-09	ESTIMATED DATE OF START-UP-- 1981
DETERMINATION MADE BY	ED VOLLBERG (AGENCY CONTACT PERSON)
EPA REGION III (AGENCY)	(215)-597-8990 (PHONE)

=====

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
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MUNICIPAL INCINERATOR	600.00 T/D MSW	PM	0.0300 GR/DSCF 81.6000 T/YR ESP	SIP
		SO2	35.1000 PFH 154.0000 T/YR PROPER COMBUSTION TECHNIQUES	98.00 BACT
		CO	30.0000 PFH 127.0000 T/YR PROPER COMBUSTION TECHNIQUES	BACT
		VOC	1.3000 PFH 5.5000 T/YR PROPER COMBUSTION TECHNIQUES	BACT
		NOX	2.6000 PFH 11.4000 T/YR PROPER COMBUSTION TECHNIQUES	BACT

NOTES -----

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

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=====
SOURCE TYPE/SIZE--- REFUSE INCINERATION 62.50 T/H WASTE
-----
COMPANY NAME/SITE LOCATION NESWC RESOURCE RECOVERY FACILITY NORTH ANDOVER, MA
-----
DETERMINATION IS BACT FOR A NEW SOURCE. DATE OF PERMIT ISSUANCE-- 05/27/82
PERMIT NO. 029-121MA16 ESTIMATED DATE OF START-UP-- 1983
DETERMINATION MADE BY EPA REGION I JOHN COURCIER (617)-223-4448
(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
STEAM GENERATING UNITS, 2 INCIN*	750.00 T/D EA, WAS*	PM	0.0500 GR/DSCF AT 12% CO2 ESP	B/S 98.66
		SO2	0.3400 LB/MMBTU LOW S FUEL - 0.3% S #2 OIL	BACT
		NOX	0.3200 LB/MMBTU INCINERATOR DESIGN	BACT
		CO	0.0700 LB/MMBTU INCINERATOR DESIGN	BACT 98.00
		SOX	0.0200 LB/MMBTU INCINERATOR DESIGN	BACT
AUXILIARY BOILER, 1	19.60 MMBTU/H	NOX	0.1550 LB/MMBTU BOILER DESIGN	BACT
		CO	0.0350 LB/MMBTU BOILER DESIGN	BACT 98.00
		SOX	0.0200 LB/MMBTU BOILER DESIGN	BACT
		PM	0.1000 LB/MMBTU	B/S
		SO2	0.3400 LB/MMBTU LOW S FUEL - 0.3% S #2 OIL	BACT

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

 INITIAL REVIEW POST STARTUP
 REVIEW STATUS: 04/01/1983

NOTES -----
LIMITS ARE REDUCTION OVER AP-42 EMISSIONS

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE. INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983
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PAGE G- 160	ID NUMBER MA-0004	SOURCE TYPE CODE	2.1
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APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

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SOURCE TYPE/SIZE---	REFUSE INCINERATION	2010.00 T/D 3 UNITS
---------------------	---------------------	---------------------

COMPANY NAME/SITE LOCATION	N.E. MARYLAND WASTE DISPOSAL AUTHORITY 1801 OLD ANNAPOLIS ROAD	BALTIMORE, MD 21230 BALTIMORE CITY COUNTY
----------------------------	---	--

DETERMINATION IS BACT FOR A MODIFIED SOURCE.	DATE OF PERMIT ISSUANCE--	09/10/81
PERMIT NO. 81MD01	ESTIMATED DATE OF START-UP--	1984
DETERMINATION MADE BY	EPA REGION III (AGENCY)	BOB BLASZCZAK (AGENCY CONTACT PERSON)
		(215)-597-8186 (PHONE)

=====

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
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WATER WALL, 3 EA INCINERATOR	2010.00 T/D			
		SO2	335.0000 LB/H 1259.0000 T/YR	BACT
		CO	109.0000 LB/H 406.0000 T/YR	BACT
		NOX	227.0000 LB/H 999.0000 T/YR	BACT
		F	4.2000 LB/H 15.7000 T/YR	BACT

NOTES -----

MARYLAND DEPT. OF HEALTH AND MENTAL HYGIENE PERFORMED LAER ANALYSIS FOR PARTICULATE MATTER. 0.019 GR/DSCF CORRECTED TO 12% CO
IS BEING CONSIDERED (ESP).
EMISSION RATES BASED ON REFUSE CHARACTERISTICS. PERMITTEE IS TO PROVIDE PROCEDURES TO ENSURE ACCEPTABLE WASTE BEFORE OPERATION

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

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ID NUMBER MD-0005

SOURCE TYPE CODE 2.1

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

=====

SOURCE TYPE/SIZE---	REFUSE INCINERATION	100.00 T/D SOLID WASTE
---------------------	---------------------	------------------------

COMPANY NAME/SITE LOCATION	REDDY CREEK IMPROVEMENT DIST P.O. BOX 36	LAKE BUENA VISTA, FL 32830	ORANGE COUNTY
----------------------------	---	----------------------------	---------------

DETERMINATION IS BACT FOR A MODIFIED SOURCE.		DATE OF PERMIT ISSUANCE--	02/11/81
PERMIT NO. PSD-FL-044		ESTIMATED DATE OF START-UP--	1982
DETERMINATION MADE BY	FLORIDA DER (AGENCY)	ED PALAGYI (AGENCY CONTACT PERSON)	(904)-488-1344 (PHONE)

=====

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
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SLAGGING PYROLYSIS INCIN.	100.00 T/D	CO	2.2600 LB/MMBTU 91.2000 LB/H FLUE GAS MONITORING SYS.	BACT
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NOTES -----
SOURCE SHUT-DOWN 01/01/83 INDEFINITELY DUE TO OPERATIONAL ECONOMICS.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

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PAGE 6- 162	ID NUMBER FL-0007	INITIAL REVIEW REVIEW STATUS: 04/01/1983	POST STARTUP 01/25/1984
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SOURCE TYPE CODE	2.1
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APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

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=====
SOURCE TYPE/SIZE---      REFUSE INCINERATION                      960.00 T/D RDF
-----
COMPANY NAME/SITE LOCATION  REFUSE FUELS, INC.                      LAWRENCE, MA
-----
DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. 023-121MA12
DETERMINATION MADE BY      EPA REGION I                      JOHN COURCIER
                           (AGENCY)                        (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 03/23/81
ESTIMATED DATE OF START-UP-- 1982
                           (617)-223-4448
                           (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,WATER WALL, BALANCED DR*  960.00 T/D RDF
                                     PM          0.0250 GR/DSCF      LAER
                                     ESP,5-FIELD,IN SERIES      98.00
                                     S          1.0000 % S OIL      BACT
                                     1.2000 LB/MMBTU RDF
                                     LOW S #6 OIL/LOW S RDF
                                     NOX        0.7000 LB/MMBTU RDF      BACT
                                     0.3000 LB/MMBTU OIL
                                     BOILER DESIGN
=====

```

NOTES -----

LAER REQUIRED ON TSP FOR NONATTAINMENT AREA IN LAWENCE. BACT ON SO2 DETERMINED BY TECHNOLOGY AND ECONOMICS. BACT ON NO2 DETERMINED BY MEETING NSPS LIMITS FOR FOSSIL FUEL BOILERS.
1.2 LB/MMBTU EQUIV. TO 1.0 % S OIL.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

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=====
SOURCE TYPE/SIZE--- REFUSE INCINERATION 75.00 T/D 2 EA
-----
COMPANY NAME/SITE LOCATION RESOURCES AUTHORITY GALLATIN, TN SUMMER COUNTY
-----
DETERMINATION IS BACT FOR A NEW SOURCE. DATE OF PERMIT ISSUANCE-- 08/01/80
PERMIT NO. ESTIMATED DATE OF START-UP--
DETERMINATION MADE BY TENNESSEE APCD MERVAT AHMED (615)-741-3651
(AGENCY) (AGENCY CONTACT PERSON) (PHONE)
=====
  
```

```

=====
PROCESSES SUBJECT THROUGHPUT POLLUTANT EMISSION LIMITS ... & BASIS
TO THIS PERMIT CAPACITY EMITTED CONTROL EQUIPMENT OR PROCESS MODIFICATION ... PCT EFF
-----
BOILERS, 2 MUNICIPAL REFUSE BUR* 75.00 T/D EA PM 0.0400 GR/SCF NSPS
SCRUB. & FABRIC FILTERS 99.00
  
```

NOTES -----

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

=====

SOURCE TYPE/SIZE---

REFUSE INCINERATION

COMPANY NAME/SITE LOCATION

STEAM SUPPLY CORP.

TULSA, OK

DETERMINATION IS BACT FOR A NEW SOURCE.

PERMIT NO. T82-90

DETERMINATION MADE BY

TULSA CITY-COUNTY HEALTH DEPT JIM VAN SANDT

(AGENCY)

(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 12/16/82

ESTIMATED DATE OF START-UP-- 1985

(918)-744-1000

(PHONE)

=====

PROCESSES SUBJECT
TO THIS PERMITTHROUGHPUT
CAPACITYPOLLUTANT
EMITTED

EMISSION LIMITS

CONTROL EQUIPMENT OR PROCESS MODIFICATION

... & BASIS

... PCT EFF

INCINERATORS, SOLID WASTE, 3 EA

230.00 T/D

PM

31.7000 LB/H

3 ESP'S, SEE NOTE #2

98.00

SO2

17.5000 LB/H

NOX

46.0000 LB/H

VOC

3.5000 LB/H

CO

54.6000 LB/H

HG

0.2000 LB/H

NOTES -----

RATES ARE TOTAL EMISSIONS. 1)SIC CODES 4931 & 4961 ARE ALSO INVOLVED BECAUSE STEAM & ELECTRICITY WILL BE SOLD TO INDUSTRY.

2) PERFORMANCE STANDARDS OF 10% AVG. OPACITY (PER CLOCK HOUR) & 0.06 GR/DSCF CORRECTED TO 12% CO HAVE BEEN IMPOSED.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

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ID NUMBER OK-0013

SOURCE TYPE CODE 2.1

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

SOURCE TYPE/SIZE--- REFUSE INCINERATION 624.00 T/D

COMPANY NAME/SITE LOCATION TRANS ENERGY BROOKS, OR

DETERMINATION IS BACT FOR A NEW SOURCE.

PERMIT NO. 24-5398

DETERMINATION MADE BY

OREGON DEQ
(AGENCY)

WENDY SIMS
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 12/19/83

ESTIMATED DATE OF START-UP-- 1987

(503)-229-5259

(PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
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INCINERATOR, SOLID WASTE, 2 EA 312.00 T/D

PM	0.0300 GR/DSCF AT 12% CO2			
	61.0000 T/YR			
	BAGHOUSE, OR ESP			
NOX	94.0000 LB/H			
	290.0000 T/YR			
	EQUIPMENT DESIGN & OPERATION			
HCL	23.0000 LB/H			
	69.0000 T/YR			
	SCRUBBER			80.00
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
FLU*	1.6000 LB/H	
	4.8000 T/YR	
		EQUIPMENT DESIGN & OPERATION

NOTES -----

NOT TO BE EXCEEDED FOR MORE THAN 3 MINUTES IN ANY ONE HOUR PERIOD.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/19/1984

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ID NUMBER CR-0004

SOURCE TYPE CODE 2.1

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

SOURCE TYPE/SIZE--- SEWAGE SLUDGE INCINERATION

COMPANY NAME/SITE LOCATION CITY OF L.A., HYPERION, BUREAU OF ENGIN* LOS ANGELES, CA
CITY HALLDETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. (REGION FILE NO.) NSR-4-4-9 LA-82-02
DETERMINATION MADE BY EPA REGION IX
(AGENCY)RICK SUGAREK
(AGENCY CONTACT PERSON)DATE OF PERMIT ISSUANCE-- 09/30/82
ESTIMATED DATE OF START-UP--
(415)-974-8224
(PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
GAS TURBINE, 4, DIGESTER GAS FI*	8.00 MW EA	SO2	20.0000 PPM DRY BASIS WET SCRUBBER	BACT 90.00
THERMAL PROCESSING WASTE HEAT R*		SO2	20.0000 PPM DRY BASIS 9.2000 LB/H 2 STAGE WET SCRUBBER/VENTURI SCRUB COUNTER CURRENT TRAY TOWER	BACT
		HG	0.2890 LB/H 2 STAGE WET SCRUBBER	BACT
		BE	0.0000 LB/H FABRIC FILTER/2 STAGE WET SCRUBBER	BACT

NOTES -----

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983 04/04/1984

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

```
=====
SOURCE TYPE/SIZE---      SEWAGE SLUDGE INCINERATION      360.00 T/D SLUDGE
-----
COMPANY NAME/SITE LOCATION COUNTY SANITATION DISTRICTS OF L.A. COU*      CARSON, CA
                                           LOS ANGELES COUNTY
-----
DETERMINATION IS BACT FOR A NEW SOURCE.      DATE OF PERMIT ISSUANCE-- 02/13/84
PERMIT NO. LA 83-02      ESTIMATED DATE OF START-UP--
DETERMINATION MADE BY      EPA REGION IX      JOE SLAMOVICH      (415)-974-8235
                        (AGENCY)      (AGENCY CONTACT PERSON)      (PHONE)
=====

PROCESSES SUBJECT      THROUGHPUT      POLLUTANT      EMISSION LIMITS      ... & BASIS
TO THIS PERMIT      CAPACITY      EMITTED      CONTROL EQUIPMENT OR PROCESS MODIFICATION      ... PCT EFF
-----
COMBUSTOR, FLUIDIZED      68.17 MMBTU/H      SO2      0.0600 LB/MMBTU
                                           LIMESTONE INJECTION/SPRAY DRYER      99.00
=====
```

NOTES -----

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW POST STARTUP

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ID NUMBER CA-0033A

SOURCE TYPE CODE 2.2

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

=====

SOURCE TYPE/SIZE--- OTHER SOLID WASTE DISPOSAL

COMPANY NAME/SITE LOCATION CREMATION SERVICES, INC.
1612 LEONARD ST.

CLEVELAND, OH 44113

DETERMINATION IS BACT FOR A NEW SOURCE.

PERMIT NO. 13-1217

DETERMINATION MADE BY

CLEVELAND DAPC
(AGENCY)

IKE HABIB
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE--

ESTIMATED DATE OF START-UP--

(216)-664-3508

(PHONE)

=====

PROCESSES SUBJECT
TO THIS PERMIT

THROUGHPUT
CAPACITY

POLLUTANT
EMITTED

EMISSION LIMITS

CONTROL EQUIPMENT OR PROCESS MODIFICATION

... & BASIS
... FCT EFF

INCINERATOR, PATHOLOGICAL WASTE 800.00 LB/H

PM
VE
ODOR

0.5800 T/YR
0.0000 % OPACITY
NONE

NOTES -----

INCINERATOR BURN BODIES & INFECTIOUS WASTE FROM HOSPITALS.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

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REVIEW STATUS:

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ID NUMBER OH-0055

SOURCE TYPE CODE 2.3

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

SOURCE TYPE/SIZE--- OTHER SOLID WASTE DISPOSAL

COMPANY NAME/SITE LOCATION DELAWARE SOLID WASTE AUTHORITY

WILMINGTON, DE

NEW CASTLE COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.

PERMIT NO. 79DE02

DETERMINATION MADE BY

EPA REGION III
(AGENCY)BOB BLASZCZAK
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 03/14/80

ESTIMATED DATE OF START-UP--

(215)-597-8186

(PHONE)

PROCESSES SUBJECT
TO THIS PERMITTHROUGHPUT
CAPACITYPOLLUTANT
EMITTED

EMISSION LIMITS

CONTROL EQUIPMENT OR PROCESS MODIFICATION

... & BASIS

... PCT EFF

AIR CLASSIFIER

PM

7.7000 LB/H

BAGHOUSE

BACT

99.90

AIR CLASSIFIER

PM

7.7000 LB/H

BACT

DUST CONTROL SYS

PM

5.2000 LB/H

BACT

GLASS RECOVERY

PM

6.2000 LB/H

BACT

AIR KNIFE

PM

3.8000 LB/H

BACT

SECONDARY AIR CLASSIFIER

PM

4.1000 LB/H

BACT

DRYER

PM

12.8000 LB/H

BACT

NOTES -----

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
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ID NUMBER DE-0003

SOURCE TYPE CODE 2.3

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

SOURCE TYPE/SIZE--- OTHER SOLID WASTE DISPOSAL

COMPANY NAME/SITE LOCATION DELAWARE SOLID WASTE II

WILMINGTON, DE

NEW CASTLE COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.

PERMIT NO. 79DE02 II

DETERMINATION MADE BY

EPA REGION III
(AGENCY)

BOB BLASZCZAK
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 03/14/80

ESTIMATED DATE OF START-UP--

(215)-597-8186
(PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
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DRYER		PM	0.4800 LB/H	BACT
DRYER		PM	1.0400 LB/H	BACT
BOILER		PM	0.0100 LB/H	BACT
BOILER		PM	0.0200 LB/H	BACT
HEATER		PM	0.0010 LB/H	BACT
VENTS, 3		PM	1.6000 LB/H	BACT

NOTES -----

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

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SOURCE TYPE/SIZE---	OTHER SOLID WASTE DISPOSAL	2880000.00 GAL
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COMPANY NAME/SITE LOCATION	LUBBOCK FEEDLOTS, INC.	, TX	LUBBOCK COUNTY
----------------------------	------------------------	------	----------------

DETERMINATION IS BACT FOR A NEW SOURCE.		DATE OF PERMIT ISSUANCE--	02/16/83
PERMIT NO. X-4142		ESTIMATED DATE OF START-UP--	
DETERMINATION MADE BY	TEXAS ACB	RALPH BOWLER	(512)-451-5711
	(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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LOADING DIGESTERS, 12 EA	240000.00 GAL	ODOR	SEE NOTE	
COLLECTING GAS, 12 EA	240000.00 GAL	ODOR	H2S COLLECT. IN FE SPOUNGE & PIPED TO CUSTOMER.	
EMPTYING DIGESTERS, 12 EA	240000.00 GAL	ODOR	SEE NOTE	

NOTES -----

PROCESSES MANURE FROM A CATTLE FEEDLOT.

NOTE -- SHOULD BE THE SAME AS EXISTING FEEDLOT ODORS.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

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PAGE G- 173	ID NUMBER TX-0119	INITIAL REVIEW POST STARTUP REVIEW STATUS: 05/04/1984	SOURCE TYPE CODE 2.3
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APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

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SOURCE TYPE/SIZE---	OTHER SOLID WASTE DISPOSAL	1440.00 T/D WOOD & WASTE

COMPANY NAME/SITE LOCATION	WATSON ENERGY SYS, INC.	WILMINGTON, CA

DETERMINATION IS LAER FOR A NEW SOURCE.		DATE OF PERMIT ISSUANCE-- 01/03/80
PERMIT NO. (REGION FILE NO.) LA 77-02		ESTIMATED DATE OF START-UP--
DETERMINATION MADE BY	EPA REGION IX	(415)-974-8220
(AGENCY)	BOB BAKER	(PHONE)
	(AGENCY CONTACT PERSON)	

=====

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

STEAM GEN. UNITS, 4, WASTE/FUEL*	1440.00 T/D			
		NOX	83.0000 LB/H COMBUSTION MODIFICATION	LAER
		SO2	64.0000 LB/H WET SCRUBBER (CAUSTIC)	LAER 90.00
		PM	4.0000 LB/H BAGHOUSE	LAER 99.50

NOTES -----

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983 04/04/1984

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

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SOURCE TYPE/SIZE---	NATURAL GAS TURBINES	26.00 MW

COMPANY NAME/SITE LOCATION	CHUGACH ELECTRIC ASSOCIATION, UNIT #4	BERNICE LAKE, AK

DETERMINATION IS BACT FOR A MODIFIED SOURCE.		DATE OF PERMIT ISSUANCE-- 08/06/82
PERMIT NO. (REGION FILE NO.) PSD-X82-07		ESTIMATED DATE OF START-UP-- 1982
DETERMINATION MADE BY	EPA REGION X	(206)-442-1567
	(AGENCY)	(PHONE)
	PAUL BOYS	
	(AGENCY CONTACT PERSON)	

=====

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

GAS TURBINE	26.00 MW	NOX	130.0000 LB/H 569.0000 T/YR	
			WATER INJECTION	
		PM	12.0000 LB/H 48.2000 T/YR	
			LOW S COAL, DISTILLATE OIL BACKUP	

NOTES -----

THE BACT NOX EMISSION LIMIT WAS BASED ON THE NSPS. THE BACT PM EMISSION WAS BASED ON THE USE OF #2 DISTILLATE OIL, HOWEVER, THE COMPANY PLANS TO USE NATURAL GAS AS THE PRIMARY FUEL. BECAUSE OF LIMITED BACKUP CAPACITY AT THAT LOCATION, THE COMPANY REQUESTED A PERMIT BASED ON 100% OIL USE.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

=====

SOURCE TYPE/SIZE--- NATURAL GAS TURBINES

COMPANY NAME/SITE LOCATION COLORADO INTERSTATE GAS

LAKE STATION, KS

KEARNY COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.

PERMIT NO.

DATE OF PERMIT ISSUANCE-- 10/19/82

ESTIMATED DATE OF START-UP--

DETERMINATION MADE BY

EPA REGION VII
(AGENCY)STEVE KOVAC
(AGENCY CONTACT PERSON)(816)-374-6525
(PHONE)

=====

PROCESSES SUBJECT
TO THIS PERMITTHROUGHPUT
CAPACITYPOLLUTANT
EMITTED

EMISSION LIMITS

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

I.C. RECIP. ENGINES, GAS-FIRED,* 1475.00 HP EA

NOX 760.0000 PPMV 15% O2, DRY BASIS
OPERATE AT MAX EFFICIENCY

NOTES -----

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

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ID NUMBER KS-0013

SOURCE TYPE CODE 3.1

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

SOURCE TYPE/SIZE--- NATURAL GAS TURBINES

COMPANY NAME/SITE LOCATION CROWN ZELLERBACH, INC.

ANTIOCH, CA

DETERMINATION IS BACT FOR A NEW SOURCE.

PERMIT NO. 28179

DETERMINATION MADE BY

BAY AREA AQMD
(AGENCY)DOUG WOLF
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 03/01/82

ESTIMATED DATE OF START-UP-- 1983

(415)-771-6000

(PHONE)

PROCESSES SUBJECT
TO THIS PERMITTHROUGHPUT
CAPACITYPOLLUTANT
EMITTED

EMISSION LIMITS

CONTROL EQUIPMENT OR PROCESS MODIFICATION

... & BASIS

... PCT EFF

GAS TURBINE

32.00 MW

NOX

42.0000 PPM NO2 AT 15% O2
WATER/STEAM INJECTION

DUCT BURNER

145.00 MMBTU/H

NOX

88.0000 PPM NO2 AT 3% O2
LO-NOX DESIGN

NOTES -----

BURNING NATURAL GAS

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

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ID NUMBER CA-0044

SOURCE TYPE CODE 3.1

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

SOURCE TYPE/SIZE--- NATURAL GAS TURBINES

COMPANY NAME/SITE LOCATION DOW CHEMICAL, USA

PLAQUEMINE, LA

IBERVILLE PARISH

DETERMINATION IS BACT FOR A NEW SOURCE.

PERMIT NO. PSD-LA-393,M-1

DETERMINATION MADE BY

LAQD/EPA REGION VI
(AGENCY)BHARAT CONTRACTOR
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 11/14/83

ESTIMATED DATE OF START-UP--

(504)-342-8940

(PHONE)

PROCESSES SUBJECT
TO THIS PERMITTHROUGHPUT
CAPACITYPOLLUTANT
EMITTED

EMISSION LIMITS

CONTROL EQUIPMENT OR PROCESS MODIFICATION ... & BASIS

TURBINE, #GT-300 & GT-400, 2 EA

100.00 MW

NOX 1194.0000 LB/H
COMB. CONTRL
CO 66.0000 LB/H
VE 0.0000 % OPACITY

N/A

NOTES -----

THE ORIGINAL PERMIT PSD-LA-393 WAS ISSUED ON 08/11/81. SUBSEQUENT REVISION TO NSPS BY EPA ON 01/27/82 , 40CFR60, SUBPART GG, E
XEMPTED THESE TURBINES FROM STEAM INJECTION CONTROLS.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS:

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

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SOURCE TYPE/SIZE---	NATURAL GAS TURBINES	300.00 MW

COMPANY NAME/SITE LOCATION	GETTY OIL, KERN RIVER COGENERATION PROJ*	, CA
		KERN COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.		DATE OF PERMIT ISSUANCE-- 11/03/83
PERMIT NO. SJ 83-03		ESTIMATED DATE OF START-UP-- 1984
DETERMINATION MADE BY	EPA REGION IX	MATT HABER
	(AGENCY)	(AGENCY CONTACT PERSON)
		(415)-974-8209
		(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	825.00 MMBTU/H	CO	9.0000 PPM 17.0000 LB/H PROPER COMBUSTION	

NOTES -----

1.) EACH TURBINE IS LIMITED TO NOX EMISSION OF 42 PPM & 140 LB/H BY A LOCAL NSR PERMIT. 2.) THE SOURCE HAS APPLIED FOR A MAJOR MODIFICATION TO INCREASE THE CO LIMIT WHEN FIRING ON DISTILLATE FUEL, THE STAND-BY FUEL.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

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PAGE G- 179	ID NUMBER CA-0063	INITIAL REVIEW POST STARTUP REVIEW STATUS: 04/19/1984	SOURCE TYPE CODE 3.1
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APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

SOURCE TYPE/SIZE--- NATURAL GAS TUBINES

COMPANY NAME/SITE LOCATION KISSIMMEE UTILITIES

KISSIMMEE, FL

DETERMINATION IS BACT FOR A NEW SOURCE.

PERMIT NO. AC 49-74856

DETERMINATION MADE BY

FLORIDA DER
(AGENCY)TERESA HERON
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 03/30/84

ESTIMATED DATE OF START-UP-- 1984

(904)-488-1344

(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	400.00 MMBTU/H	NOX	79.0000 PPM GAS FIRED 129.0000 PPM OIL FIRED WATER INJECTION	40.00
		SO2	0.5000 LB/MMBTU FUEL S CONTENT	
		VE	20.0000 % OPACITY MAX	
BOILER, WASTE HEAT	41.70 MMBTU/H	SO2	0.5000 LB/MMBTU FUEL S CONTENT	

NOTES -----

NSPS SUBPART GG APPLICABLE. TURBINE EXHAUST GASES DISCHARGE INTO A WASTE HEAT BOILER. TOTAL ELECTRIC POWER GENERATED BY THE SYSTEM IS 50 GROSS MEGAWATTS.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS:

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

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SOURCE TYPE/SIZE---	NATURAL GAS TURBINES	73.50 MW
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COMPANY NAME/SITE LOCATION	NEVADA PWR CO., CLARK STATION UNIT #7	EAST LAS VEGAS, NV
----------------------------	---------------------------------------	--------------------

DETERMINATION IS BACT FOR A MODIFIED SOURCE.		DATE OF PERMIT ISSUANCE-- 10/01/79
PERMIT NO. (REGION FILE NO.) NV 78-02		ESTIMATED DATE OF START-UP-- 1980
DETERMINATION MADE BY EPA REGION IX	JIM HANSON	(415)-974-8038
(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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GEN., GAS TURBINE	73.50 MW	NOX	0.3400 LB/MMBTU WATER INJECTION	
		PM	0.0300 LB/MMBTU	
		CO	0.1200 LB/MMBTU	
		SO2	0.25% S FUEL CONTENT	

NOTES -----
REGENERATOR IS SUBJECT TO NSPS.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

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PAGE G- 181	ID NUMBER NV-0003	INITIAL REVIEW POST STARTUP REVIEW STATUS: 04/01/1983 02/13/1984	SOURCE TYPE CODE 3.1
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APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

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SOURCE TYPE/SIZE---	NATURAL GAS TURBINES	73.50 MW

COMPANY NAME/SITE LOCATION	NEVADA PWR CO., CLARK STATION UNIT #8	EAST LAS VEGAS, NV

DETERMINATION IS BACT FOR A MODIFIED SOURCE.		DATE OF PERMIT ISSUANCE-- 09/11/80
PERMIT NO. (REGION FILE NO.) NV 80-01		ESTIMATED DATE OF START-UP-- 1982
DETERMINATION MADE BY	EPA REGION IX	(415)-974-8213
	(AGENCY)	(PHCNE)
	LARRY BOWERMAN	
	(AGENCY CONTACT PERSON)	

=====

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

GEN., COMBUSTION TURBINE	73.50 MW	NOX	0.3400 LB/MMBTU	NSPS
			WATER INJECTION	
		SO2	0.25% S FUEL OIL	BACT

NOTES -----

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983 02/13/1984

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

SOURCE TYPE/SIZE--- NATURAL GAS TURBINES

COMPANY NAME/SITE LOCATION NORTHERN NATURAL GAS

CUNNINGHAM, KS

DETERMINATION IS BACT FOR A MODIFIED SOURCE.

PERMIT NO.

DETERMINATION MADE BY

EPA REGION VII
(AGENCY)STEVE KOVAC
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 03/12/82

ESTIMATED DATE OF START-UP--

(816)-374-6525
(PHONE)PROCESSES SUBJECT
TO THIS PERMITTHROUGHPUT
CAPACITYPOLLUTANT
EMITTEDEMISSION LIMITS
CONTROL EQUIPMENT OR PROCESS MODIFICATION... & BASIS
... PCT EFF

I.C. RECIP. ENGINES, DUAL FUEL,* 2250.00 HP EA

NOX 60.0000 LB/H
CO 15.0000 LB/H
VOC 3.9000 LB/H

NOTES -----

IN CONSIDERATION OF TEST RESULTS, THE CO EMISSION LIMIT WAS CHANGED FROM 9 TO 15 LB/H ON NOV. 29, 1982.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
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ID NUMBER KS-0015

SOURCE TYPE CODE 3.1

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

SOURCE TYPE/SIZE--- NATURAL GAS TURBINES

COMPANY NAME/SITE LOCATION PANHANDLE EAST. PIPELINE CO.

ELKHART STATION, KS

MORTON COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.

PERMIT NO.

DETERMINATION MADE BY

EPA REGION VII
(AGENCY)STEVE KOVAC
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 11/18/81

ESTIMATED DATE OF START-UP--

(816)-374-6525

(PHONE)

PROCESSES SUBJECT
TO THIS PERMITTHROUGHPUT
CAPACITYPOLLUTANT
EMITTED

EMISSION LIMITS

CONTROL EQUIPMENT OR PROCESS MODIFICATION

... & BASIS

... PCT EFF

I.C. RECIP. ENGINES, GAS FIRED,* 3200.00 HP EA

NOX

600.0000 PPMV 15% O2, DRY BASIS
PRE-IGNITION CHAMBER

NOTES -----

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

SOURCE TYPE/SIZE--- NATURAL GAS TURBINES

COMPANY NAME/SITE LOCATION PETRO-TEX CHEMICAL CORP.

, TX

HARRIS COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.

PERMIT NO. SEE NOTE

DETERMINATION MADE BY

TEXAS ACB
(AGENCY)JIMMY RANDALL
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 12/21/82

ESTIMATED DATE OF START-UP-- 1983

(512)-451-5711
(PHONE)PROCESSES SUBJECT
TO THIS PERMITTHROUGHPUT
CAPACITYPOLLUTANT
EMITTEDEMISSION LIMITS
CONTROL EQUIPMENT OR PROCESS MODIFICATION... & BASIS
... PCT EFF

TURBINE, GAS

982.30 MSCFH

NOX

237.9000 LB/H

NSPS

H2O INJECTION

SO2

0.7000 LB/H

CO

15.2500 LB/H

TECH

NOTES -----

NOTE -- PERMIT NUMBER 9199, 9200. EACH PERMIT COVERS ONE TURBINE.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP

PERMIT STATUS: 05/04/1984

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ID NUMBER 12-0100

SOURCE TYPE CODE 3.1

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

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SOURCE TYPE/SIZE---	NATURAL GAS TURBINES	217.00 MMBTU/H

COMPANY NAME/SITE LOCATION	PROCTOR & GAMBLE	SACRAMENTO, CA

DETERMINATION IS		DATE OF PERMIT ISSUANCE-- 05/10/83
PERMIT NO. SAC 83-01		ESTIMATED DATE OF START-UP--
DETERMINATION MADE BY	EPA REGION IX (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	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		NOX	0.1500 LB/MMBTU	
			LOW NOX BURNERS	
		CO	0.5000 LB/H	

NOTES -----

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS:

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

=====

SOURCE TYPE/SIZE---	NATURAL GAS TURBINES	303.00 MHP

COMPANY NAME/SITE LOCATION	PRUDHOE BAY CONSORTIUM	PRUDHOE BAY, AK

DETERMINATION IS BACT FOR A MODIFIED SOURCE.		DATE OF PERMIT ISSUANCE-- 09/29/81
PERMIT NO. (REGION FILE NO.) PSD-X81-01		ESTIMATED DATE OF START-UP--
DETERMINATION MADE BY	EPA REGION X	(206)-442-1193
	(AGENCY)	(PHONE)
	DAVID TETTA	
	(AGENCY CONTACT PERSON)	

=====

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

TURBINES	303.00 MHP	NOX	150.0000 PPM DRY CONTROLS	BACT
		CO	1.0900 LB/MMSCF FUEL PROPER COMBUSTION	BACT
HEATERS	250.00 MMBTU/H	NOX	0.0800 LB/MMBTU LOW NOX BURNERS	BACT
		CO	0.0100 LB/MMBTU PROPER COMBUSTION	BACT

NOTES -----

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

=====

SOURCE TYPE/SIZE---	NATURAL GAS TURBINES	200.00 MW

COMPANY NAME/SITE LOCATION	PUGET SOUND POWER & LIGHT	FREDONIA, WA

DETERMINATION IS BACT FOR A NEW SOURCE.		DATE OF PERMIT ISSUANCE-- 08/23/82
PERMIT NO. PSD-X-82-09		ESTIMATED DATE OF START-UP-- 1984
DETERMINATION MADE BY	EPA REGION X (AGENCY)	PAUL BOYS (AGENCY CONTACT PERSON)
		(206)-442-1567 (PHONE)

=====

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

GAS TURBINE, 2	100.00 MW EA			
		NOX	480.0000 LB/H 2061.0000 T/YR	
			WATER INJECTION	
		CO	185.0000 LB/H 645.0000 T/YR	
		SO2	640.0000 LB/H 154.0000 T/YR	
		PM	2.9000 LB/H 12.5000 T/YR	

NOTES -----

THE NSPS LIMIT FOR NOX WAS THE BASIS FOR BACT. THE SO2 BACT LIMIT WAS BASED ON THE USE OF 0.5% S OIL.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

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		SOURCE TYPE CODE 3.1

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APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

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SOURCE TYPE/SIZE---	NATURAL GAS TURBINES	1290.00 MW TOTAL

COMPANY NAME/SITE LOCATION	SOUTHERN CALIF. EDISON CO. UPPER JOHNSON VALLEY	, CA SAN BERNARDINO COUNTY

DETERMINATION IS BACT		DATE OF PERMIT ISSUANCE-- 04/25/83
PERMIT NO. SE 81-01		ESTIMATED DATE OF START-UP--
DETERMINATION MADE BY	EPA REGION IX (AGENCY)	MATT HABER (AGENCY CONTACT PERSON)
		(415)-974-8209 (PHONE)

=====

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

GAS TURBINE, 20	64.50 MW EA			
		SO2	0.0960 LB/MMBTU 71.4500 LB/H/TURBINE USE OF VERY LOW SULFUR (0.1%) OIL	
		NOX	44.5000 PPM 140.0000 LB/H/TURBINE WATER INJECTION	
		CO	17.0000 LB/H/TURBINE PROPER COMBUSTION	
		PB	1.8000 PPM FUEL CONTENT	
		H2S*	0.1000 SULFUR FUEL OIL	
		ASB*	2.8500 LB/H/TURBINE COMPL. W/TSP LIM. 10 LB/H, & SEMI-ANN. FUEL SAM*	
		HG	2.8500 LB/H/TURBINE COMPL. W/TSP LIM. 10 LB/H, & SEMI-ANN. FUEL SAM*	

NOTES -----

1) CONTINUOUS MONITORS ARE REQUIRED FOR NOX, SO2, AND CO. 2) TURBINE CURRENTLY PLANNED FOR IS THE GE FRAME 7. 3) OPERATION IS LIMITED TO 1500 HR/YR PER TURBINE. ALSO UNDER SOURCE CODES 3.2 & 3.3

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/19/1984

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

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SOURCE TYPE/SIZE---	NATURAL GAS TURBINES	3200.00 HP
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COMPANY NAME/SITE LOCATION	SW GAS STORAGE CO., PANHANDLE EAST. PIP* BROCHERS STATION	, KS	MEADE COUNTY
----------------------------	--	------	--------------

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO.
DETERMINATION MADE BY EPA REGION VII
(AGENCY) STEVE KOVAC
(AGENCY CONTACT PERSON) DATE OF PERMIT ISSUANCE-- 12/11/80
ESTIMATED DATE OF START-UP--
(816)-374-6525 (PHONE)

=====

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
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ENGINES, NAT. GAS FIRED, 5 IC R*	3200.00 HP EA	NOX	850.0000 PPM 15% O2 (D)	BACT
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NOTES -----

BROCHERS UNDERGROUND STORAGE FACILITY. (2-CYCLE, TURBO CHARGED ENGINES WITH STANDARD COMBUSTION CHAMBERS, DESIGNED TO OPERATE AT RELATIVELY LOW SPEED)

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

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SOURCE TYPE/SIZE---	NATURAL GAS TURBINES	18500.00 HP

COMPANY NAME/SITE LOCATION	TEXAS EASTERN TRANSMISSION CO.	DELMONT, PA
		WESTMORELAND COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.		DATE OF PERMIT ISSUANCE-- 07/07/82
PERMIT NO. 82PA02		ESTIMATED DATE OF START-UP-- 1982
DETERMINATION MADE BY	EPA REGION III	VERNON BUTLER
	(AGENCY)	(AGENCY CONTACT PERSON)
		(215)-597-2711
		(PHONE)

=====

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

GAS TURBINE	18500.00 HP	NOX	150.0000 PPM NATURAL GAS	BACT

NOTES -----

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

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ID NUMBER PA-0027

SOURCE TYPE CODE 3.1

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

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=====
SOURCE TYPE/SIZE---    NATURAL GAS TURBINES                    88.00 MW
-----
COMPANY NAME/SITE LOCATION  TOSCO CORP.                                MARTINEZ, CA
                                                                    CONTRA COSTA COUNTY
-----
DETERMINATION IS                               DATE OF PERMIT ISSUANCE-- 12/13/83
PERMIT NO. 5193                               ESTIMATED DATE OF START-UP-- 1984
DETERMINATION MADE BY    EPA REGION IX          MATT HABER
                        (AGENCY)                (AGENCY CONTACT PERSON)
                                                (415)-974-8209
                                                (PHONE)
=====

PROCESSES SUBJECT      THROUGHPUT      POLLUTANT      EMISSION LIMITS      ... & BASIS
TO THIS PERMIT         CAPACITY        EMITTED        CONTROL EQUIPMENT OR PROCESS MODIFICATION ... PCT EFF
-----
TURBINE, GAS, 2 EA      500.00 MMBTU/H
                        NOX          45.0000 PPM AT 15% O2
                        75.0000 LB/H
                        STEAM INJECTION
```

NOTES -----

TURBINES ARE GE FRAME 6 TURBINES. CEM REQUIRED FOR NOX. PRIMARY FUEL IS REFINERY FUEL GAS, SECONDARY FUEL IS PIPELINE GAS.

2.) ALSO SOURCE TYPE 5.6

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/19/1984

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

```
=====
SOURCE TYPE/SIZE---      NATURAL GAS TURBINES                      8563.00 KW
-----
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
DETERMINATION MADE BY     KERN COUNTY APCD                      TOM PAXSON
                           (AGENCY)                            (AGENCY CONTACT PERSON)
                                                                DATE OF PERMIT ISSUANCE-- 03/21/84
                                                                ESTIMATED DATE OF START-UP--
                                                                (805)-861-3682
                                                                (PHONE)
=====
PROCESSES SUBJECT          THROUGHPUT          POLLUTANT          EMISSION LIMITS          ... & BASIS
TO THIS PERMIT             CAPACITY          EMITTED          CONTROL EQUIPMENT OR PROCESS MODIFICATION ... PCT EFF
-----
TURBINE, GAS & BOILER, WASTE HE*  8563.00 KW
                                NOX          714.0000 LB/D
                                H2O INJ., 0.9/1.0 W/F                                65.00
=====
```

NOTES -----

EMISSION LIMITS MAY BE FIXED AT LOWER LEVEL UPON EMISSIONS TESTING - UNIT WILL OPERATE 24 H/D, 7 D/WEEK, 52 WEEK/YR.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS:

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

=====

SOURCE TYPE/SIZE--- NATURAL GAS TURBINES 39.10 MW

COMPANY NAME/SITE LOCATION VULCAN MATERIALS CO. WICHITA, KS
SEDGWICK COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE. DATE OF PERMIT ISSUANCE-- 07/23/81
PERMIT NO. ESTIMATED DATE OF START-UP--
DETERMINATION MADE BY EPA REGION VII STEVE KOVAC (816)-374-6525
(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, SIMPLE-CYCLE, NAT. GAS	39.10 MW	NOX	SEE NOTE STEAM INJECTION	BACT

NOTES -----
THE UNIT IS SUBJECT TO NSPS, SUBPART GG.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE. INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983
=====

PAGE G- 194 ID NUMBER KS-0009 SOURCE TYPE CODE 3.1

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

SOURCE TYPE/SIZE--- NATURAL GAS TURBINES

COMPANY NAME/SITE LOCATION WARREN RED. CO. , CA

DETERMINATION IS BACT FOR A NEW SOURCE.

PERMIT NO. 2023008

DETERMINATION MADE BY

KERN COUNTY APCD
(AGENCY)IVAN NEO
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 10/19/83

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

I.C. ENGINE, NATURAL GAS, 3 EA 2133.00 HP

NOX

69.0600 LB/D

CATALYTIC CONVERTOR

86.00

NOTES -----

STATE FILE # A330-020

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW POST STARTUP

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ID NUMBER CA-0068

SOURCE TYPE CODE 3.1

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

=====

SOURCE TYPE/SIZE---	NATURAL GAS COMPRESSORS	4000.00 BRAKE HP
---------------------	-------------------------	------------------

COMPANY NAME/SITE LOCATION	ALGONQUIN GAS TRANSMISSION CO.	CROMWELL, CT
----------------------------	--------------------------------	--------------

DETERMINATION IS BACT FOR A MODIFIED SOURCE.		DATE OF PERMIT ISSUANCE-- 03/05/82
PERMIT NO. 026-042CT01		ESTIMATED DATE OF START-UP-- 1982
DETERMINATION MADE BY	EPA REGION I (AGENCY)	JOHN COURCIER (AGENCY CONTACT PERSON)
		(617)-223-4448 (PHONE)

=====

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

ENGINE, TURBINE COMPRESSION	40.00 BHP	NOX	0.0135 % BY VOL MANUFACTURER'S GUARANTEE	BACT
-----------------------------	-----------	-----	---	------

NOTES -----

NSPS USED AS GUIDE, BUT MODIFICATION WAS NOT SUBJECT TO NSPS. BACT BASED ON MANUFACTURER'S GUARANTEE. LIMIT MEASURED AT 15% O2 DRY BASIS.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

SOURCE TYPE/SIZE--- NATURAL GAS COMPRESSORS

COMPANY NAME/SITE LOCATION ANR STORAGE CO.

EXCELSIOR TWP, MI 49000

KALKASKA COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.

PERMIT NO. 67-80

DETERMINATION MADE BY MICHIGAN DNR
(AGENCY)DAVID FERRIER
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 04/01/80

ESTIMATED DATE OF START-UP-- 1981

(517)-322-1333
(PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
COMPRESSOR, NAT. GAS, 2 EA	3750.00 HP	NOX	12.0000 G/HP-H RETARDED IGNITION	

NOTES -----

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983 03/13/1984

APPENDIX -- DETAILED SOURCE LISTING

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SOURCE TYPE/SIZE---	NATURAL GAS COMPRESSORS	20.00 MHP

COMPANY NAME/SITE LOCATION	CO INTERSTATE GAS, CHEYENNE	NEAR ROCKPORT, CO
		WELD COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.

PERMIT NO.

DETERMINATION MADE BY

EPA REGION VIII
(AGENCY)JOHN DALE
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 09/12/80

ESTIMATED DATE OF START-UP--

(303)-837-3763

(PHONE)

=====

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
2 ENGINES	5130.00 HP	NOX	39.2400 LB/H DESIGN	BACT
2 REC ENGINES	5130.00 HP	CO		BACT
		NOX	68.0000 LB/H DESIGN	BACT
2 REC ENGINES	12000.00 HP	CO		BACT
		NOX	158.6000 LB/H DESIGN	BACT

=====

NOTES -----

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

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ID NUMBER CO-0001

SOURCE TYPE CODE 3.2

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

=====

SOURCE TYPE/SIZE--- NATURAL GAS COMPRESSORS 20.00 MHP

COMPANY NAME/SITE LOCATION CO INTERSTATE GAS, DEERTRAIL , CO ELBERT COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE. DATE OF PERMIT ISSUANCE-- 10/24/80
PERMIT NO. ESTIMATED DATE OF START-UP--
DETERMINATION MADE BY EPA REGION VIII JOHN DALE (303)-837-3763
(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	6000.00 HP	CO		BACT
		NOX	79.3000 LB/H DESIGN	BACT
2 ENGINES	16000.00 HP	CO		BACT
		NOX	211.4000 LB/H DESIGN	BACT
GEN. ENGINE	425.00 HP	CO		BACT
		NOX	10.2000 LB/H DESIGN	BACT
HEATER	6.00 MMBTU/H	CO		BACT
		NOX	0.7600 LB/H	BACT

NOTES -----

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

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SOURCE TYPE/SIZE---	NATURAL GAS COMPRESSORS	66.00 MHP
---------------------	-------------------------	-----------

COMPANY NAME/SITE LOCATION	CO INTERSTATE GAS, FLANK	NEAR LA JUNTA, CO	BACA COUNTY
----------------------------	--------------------------	-------------------	-------------

DETERMINATION IS BACT FOR A MODIFIED SOURCE.		DATE OF PERMIT ISSUANCE-- 10/24/80
PERMIT NO.		ESTIMATED DATE OF START-UP--
DETERMINATION MADE BY	EPA REGION VIII (AGENCY)	JOHN DALE (AGENCY CONTACT PERSON)
		(303)-837-3763 (PHONE)

=====

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
H3 GLYCO REBOIL	8.00 MMBTU/H			
		NOX	8610.0000 SCFH	BACT
6 REC NG ENGS	13320.00 HP			
		NOX	83.1000 LB/H DESIGN	BACT

NOTES -----

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

=====

SOURCE TYPE/SIZE---	NATURAL GAS COMPRESSORS	44.00 MHP

COMPANY NAME/SITE LOCATION	CO INTERSTATE GAS, KIT CARSON	NEAR EADS, CO
		CHEYENNE COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.		DATE OF PERMIT ISSUANCE-- 09/12/80
PERMIT NO.		ESTIMATED DATE OF START-UP--
DETERMINATION MADE BY	EPA REGION VIII	JOHN DALE
	(AGENCY)	(AGENCY CONTACT PERSON)
		(303)-837-3763
		(PHONE)

=====

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

ENGINE, OPR	370.00 HP	NOX	8.9000 LB/H DESIGN	BACT
		CO		BACT
3 ENGINES	16000.00 HP	CO		BACT
		NOX	211.4000 LB/H DESIGN	BACT

NOTES -----

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

=====

SOURCE TYPE/SIZE--- NATURAL GAS COMPRESSORS 34.00 MHP

COMPANY NAME/SITE LOCATION CO INTERSTATE GAS, TOTEM/LONG , CO ELBERT COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE. DATE OF PERMIT ISSUANCE-- 09/12/80
 PERMIT NO. ESTIMATED DATE OF START-UP--
 DETERMINATION MADE BY EPA REGION VIII JOHN DALE (303)-837-3763
 (AGENCY) (AGENCY CONTACT PERSON) (PHONE)

=====

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
4 ENGINES	1340.00 HP	CO		BACT
		NOX	53.1600 LB/H DESIGN	BACT
6 ENGINES	2130.00 HP	CO		BACT
GENERATOR	370.00 HP	CO		BACT
		NOX	8.9000 LB/H	BACT
2 HEATERS	16.00 MMBTU/H	CO		BACT
		NOX	2.5200 LB/H	BACT
6 ENGINES	8550.00 HP	NOX	216.6000 LB/H DESIGN	BACT

NOTES -----

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
 REVIEW STATUS: 04/01/1983

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

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SOURCE TYPE/SIZE---	NATURAL GAS COMPRESSORS	60.00 MHP

COMPANY NAME/SITE LOCATION	CO INTERSTATE GAS, WATKINS	NEAR WATKINS, CO
		ADAMS COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.		DATE OF PERMIT ISSUANCE-- 09/12/80
PERMIT NO.		ESTIMATED DATE OF START-UP--
DETERMINATION MADE BY	EPA REGION VIII	(303)-837-3763
	(AGENCY)	(PHONE)
	JOHN DALE	
	(AGENCY CONTACT PERSON)	

=====

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

ENGINE	1350.00 HP	CO VOC NOX	17.8400 LB/H DESIGN	BACT BACT BACT
4 ENGINES	10800.00 HP	CO VOC NOX	142.7200 LB/H DESIGN	BACT BACT BACT
5 ENGINES	30000.00 HP	CO VOC NOX	396.5000 LB/H DESIGN	BACT BACT BACT

NOTES -----

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

```
=====
SOURCE TYPE/SIZE---      NATURAL GAS COMPRESSORS      1600.00 HP 2 EA
-----
COMPANY NAME/SITE LOCATION  CONSOLIDATED GAS SUPPLY CORP.      , WV      WETZEL COUNTY
                           HASTINGS COMPRESSOR STATION
-----
DETERMINATION IS BACT FOR A MODIFIED SOURCE.      DATE OF PERMIT ISSUANCE-- 09/14/81
PERMIT NO. 81WV01      ESTIMATED DATE OF START-UP-- 1982
DETERMINATION MADE BY      EPA REGION III      BOB BLASZCZAK      (215)-597-8186
                           (AGENCY)      (AGENCY CONTACT PERSON)      (PHONE)
=====

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

I.C. ENGINE      1600.00 HP      NOX      7.3300 G/SEC      BACT
                                     NCNE
```

NOTES -----

RELOCATION OF TWO 1600 HP. COOPER BESSEMER I.C. ENGINES. THIS RELOCATION WAS A MAJOR MODIFICATION TO THE COMPRESSOR STATION REQUIRING THE ENGINES. THE ENGINES WERE 16 YEARS OLD AND NATURAL GAS-FIRED. OPERATION LIMITED TO 5600 HRS./YR. CONSOLIDATED GAS SUPPLY CO. REQUESTED A MOD. OF PSD PERMIT FROM USEPA REGION 3 ON 01/11/83. MOD. OF PERMIT WOULD INVOLVE ALTER NATE METHOD OF OPER. OF COMPRESSOR ENGINES & AN INCREASE IN EMISSIONS OF NOX.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

APPENDIX -- DETAILED SOURCE LISTING

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SOURCE TYPE/SIZE--- NATURAL GAS COMPRESSORS

COMPANY NAME/SITE LOCATION EL PASO NATURAL GAS CO., WASHINGTON RAN* WHITES CITY, NM

DETERMINATION IS BACT FOR A NEW SOURCE.

PERMIT NO. NM-428

DETERMINATION MADE BY

AIR QUALITY BUREAU - NMEID
(AGENCY)SHANKAR ANANTHAKRISHNA
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 05/14/82

ESTIMATED DATE OF START-UP-- 1982

(505)-984-0020
(PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
ENGINE, I.C. COMPRESSOR	4500.00 HP	NOX	2.4500 G/HP-H COOPER ENERGY SERVICES	
ENGINE, I.C. COMPRESSOR	4500.00 HP	NOX	2.4500 G/HP-H COOPER ENERGY SERVICES	

NOTES -----

STACK TEST PERFORMED ON THESE TWO ENGINES BUT NO REPORT RECIEVED YET.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

=====

SOURCE TYPE/SIZE--- NATURAL GAS COMPRESSORS

COMPANY NAME/SITE LOCATION ENSERCH EXPLORATION CO. , TX EASTLAND COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.

PERMIT NO. X-4051

DATE OF PERMIT ISSUANCE-- 12/28/82

ESTIMATED DATE OF START-UP-- 1983

DETERMINATION MADE BY

TEXAS ACB
(AGENCY)RANDY HAMILTON
(AGENCY CONTACT PERSON)(512)-451-5711
(PHONE)

=====

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

WHITE SUPERIOR 8G825

780.00 HP

NOX

7.7000 T/YR

CATALYTIC CONVERTER

90.00

CO

5.5000 T/YR

VOC

0.7000 T/YR

NOTES -----

EMISSION LIMITS ARE 1.0 G/HP-H NOX, 0.75 G/HP-H CO, 0.1 G/HP-H VOC.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 05/04/1984

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ID NUMBER TX-0133

SOURCE TYPE CODE 3.2

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

SOURCE TYPE/SIZE--- NATURAL GAS COMPRESSORS

COMPANY NAME/SITE LOCATION GETTY OIL CO.

SKELLYTOWN, TX

CARSON COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.

PERMIT NO. X3878

DETERMINATION MADE BY

TEXAS ACB
(AGENCY)

RANDY HAMILTON
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 10/12/82

ESTIMATED DATE OF START-UP-- 1983

(512)-451-5711
(PHONE)

PROCESSES SUBJECT
TO THIS PERMIT

THROUGHPUT
CAPACITY

POLLUTANT
EMITTED

EMISSION LIMITS

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

SUPERIOR 126TA 'CLEAN BURN' ENG* 2000.00 HP

NOX 77.2000 T/YR
COMBUSTION CHAMBER MOD.
CO 115.8000 T/YR
VOC 8.4000 T/YR

NOTES -----

2.0 G/HP-H NOX, 3.0 G/HP-H CO, 0.2 G/HP-H VOC

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

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ID NUMBER TX-0101

SOURCE TYPE CODE 3.2

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

=====

SOURCE TYPE/SIZE---	NATURAL GAS COMPRESSORS	200.00 MMSCFD

COMPANY NAME/SITE LOCATION	LIQUID ENERGY CORP.	, TX
		WISE COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.		DATE OF PERMIT ISSUANCE-- 11/10/82
PERMIT NO. 9153		ESTIMATED DATE OF START-UP-- 1983
DETERMINATION MADE BY	TEXAS ACB	(512)-451-5711
	(AGENCY)	(PHONE)
	KAREN HORNE	
	(AGENCY CONTACT PERSON)	

=====

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

TURBINE ENGINE COMPRESSOR, 2 EA	3200.00 HP			
		NOX	1.7500 G/HP-H	
MEP-8 RECIPROCATING ENGINE COMP*	2000.00 HP			
		NOX	4.0000 G/HP-H	
			TURBOCHARGERS	

NOTES -----

THE EFFECTIVENESS OF TURBOCHARGERS HAS NOT BEEN PROVEN BY PERFORMANCE TESTING YET.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 05/04/1984

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

SOURCE TYPE/SIZE--- NATURAL GAS COMPRESSORS

COMPANY NAME/SITE LOCATION LLANO, INC. NEAR HOBBS, NM

DETERMINATION IS BACT FOR A NEW SOURCE.

PERMIT NO. NM-477

DETERMINATION MADE BY

AIR QUALITY BUREAU - NMEID
(AGENCY)SHANKAR ANANTHAKRISHNA
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 06/22/82

ESTIMATED DATE OF START-UP-- 1982

(505)-984-0020

(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. COMPRESSOR	1100.00 HP	NOX	2.2000 G/HP-H NEW DESIGN	
ENGINE, I.C. COMPRESSOR	1100.00 HP	NOX	2.2000 G/HP-H NEW DESIGN	
ENGINE, I.C. COMPRESSOR	1100.00 HP	NOX	2.2000 G/HP-H NEW DESIGN	
ENGINE, I.C. COMPRESSOR	1100.00 HP	NOX	2.2000 G/HP-H NEW DESIGN	
ENGINE, I.C. COMPRESSOR	1100.00 HP	NOX	2.2000 G/HP-H NEW DESIGN	

NOTES -----

STACK TESTS, EPA REF. METHOD 7, WERE PERFORMED ON TWO OF THE ABOVE MENTIONED FIVE ENGINES & THE ACTUAL EMISSIONS WERE 0.38 G/H P-H & 1.34 G/HP-H.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

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ID NUMBER NM-0009

SOURCE TYPE CODE 3.2

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

=====

SOURCE TYPE/SIZE---	NATURAL GAS COMPRESSORS	4000.00 HP 2 EA

COMPANY NAME/SITE LOCATION	MICHIGAN WISCONSIN PIPE LINE CO.	CHARLTON TOWNSHIP, MI 49000
		OTSEGO COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.		DATE OF PERMIT ISSUANCE-- 11/01/80
PERMIT NO. 660-80		ESTIMATED DATE OF START-UP-- 1983
DETERMINATION MADE BY	MICHIGAN DNR	GREGORY EDWARDS
	(AGENCY)	(AGENCY CONTACT PERSON)
		(517)-322-1333
		(PHONE)

=====

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

COMPRESSOR, NAT. GAS, 2 EA	4000.00 HP	NOX	12.3000 G/HP-H COMBUSTION MODIFICATIONS	

NOTES -----
2 NATURAL GAS COMPRESSORS.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983 03/13/1984

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

=====

SOURCE TYPE/SIZE---	NATURAL GAS COMPRESSORS	1669.00 HP

COMPANY NAME/SITE LOCATION	PANHANDLE EAST. PIPELINE CO. COGNAC STATION	, KS GRANT COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.		DATE OF PERMIT ISSUANCE-- 07/28/80
PERMIT NO.		ESTIMATED DATE OF START-UP--
DETERMINATION MADE BY	EPA REGION VII (AGENCY)	STEVE KOVAC (AGENCY CONTACT PERSON)
		(816)-374-6525 (PHONE)

=====

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

I.C. RECIP. ENGINE, UNIT#3	1669.00 HP	NOX	700.0000 PPM 15% O2 (D) PRE-IGNITION CHAMBER	BACT

NOTES -----

IF CONSTRUCTION COMMENCES PRIOR TO JANUARY/1982, THE UNIT WILL NOT BE SUBJECT TO PROPOSED SUBPART FF OF THE NSPS REGS. THE PERMIT, HOWEVER, INCORPORATES SEVERAL PROVISIONS OF PROPOSED SUBPART FF AS PERMIT CONDITIONS.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

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ID NUMBER KS-0002

SOURCE TYPE CODE 3.2

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

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=====
SOURCE TYPE/SIZE---    NATURAL GAS COMPRESSORS                    18.00 MHP
-----
COMPANY NAME/SITE LOCATION  PANHANDLE EAST. PIPELINE-FRED.                , CO
-----
                                                                WELD COUNTY

DETERMINATION IS BACT
PERMIT NO.
DETERMINATION MADE BY    EPA REGION VIII                      JOHN DALE
                        (AGENCY)                        (AGENCY CONTACT PERSON)
                                                                DATE OF PERMIT ISSUANCE-- 11/25/81
                                                                ESTIMATED DATE OF START-UP--
                                                                (303)-837-3763
                                                                (PHONE)
=====
  
```

```

=====
PROCESSES SUBJECT      THROUGHPUT    POLLUTANT    EMISSION LIMITS      ... & BASIS
TO THIS PERMIT          CAPACITY      EMITTED      CONTROL EQUIPMENT OR  ... PCT EFF
                        MODIFICATION
-----
REC COMP ENG            4500.00 HP
                        CO
                        VOC
                        NOX      5.5000 G/HP-H
                        ENG MODS
                        BACT
                        BACT
                        BACT
                        55.00
  
```

NOTES -----

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
 REVIEW STATUS: 04/01/1983

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

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=====
SOURCE TYPE/SIZE---    NATURAL GAS COMPRESSORS                    13746.00 HP
-----
COMPANY NAME/SITE LOCATION  PANHANDLE EAST., FT. LUPTON                        , CO
                                                                    WELD COUNTY
-----
DETERMINATION IS BACT
PERMIT NO.
DETERMINATION MADE BY    EPA REGION VIII                      JOHN DALE
                        (AGENCY)                      (AGENCY CONTACT PERSON)
                                                    DATE OF PERMIT ISSUANCE-- 05/29/80
                                                    ESTIMATED DATE OF START-UP--
                                                    (303)-837-3763
                                                    (PHONE)
=====

PROCESSES SUBJECT      THROUGHPUT      POLLUTANT      EMISSION LIMITS      ... & BASIS
TO THIS PERMIT          CAPACITY        EMITTED        CONTROL EQUIPMENT OR PROCESS MODIFICATION ... PCT EFF
-----
REC COMP ENG, 3          2246.00 BRAKE HP EA
                        NOX      55.0000 LB/H EA
                        ENG DESIGN & MODIFICATINS
                        BACT
```

NOTES -----

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

SOURCE TYPE/SIZE--- NATURAL GAS COMPRESSORS

COMPANY NAME/SITE LOCATION PHILLIPS PETROLEUM CO.

, TX

WINKLER COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.

PERMIT NO. X-3903

DETERMINATION MADE BY

TEXAS ACB
(AGENCY)RANDY HAMILTON
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 12/15/82

ESTIMATED DATE OF START-UP-- 1982

(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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WAUKESHA 6LRZB-9

220.00 HP

NOX	23.4000 T/YR
	EQUAL NOX-CO CARBURETOR SETTING
CO	23.4000 T/YR
VOC	4.5000 T/YR

SUPERIOR 8G825

585.00 HP

NOX	62.1000 T/YR
CO	62.1000 T/YR
VOC	5.4000 T/YR

NOTES -----

RICH-BURN GAS ENGINES LESS THAN 825 HP DO NOT REQUIRE CATALYTIC CONVERTER CONTROL. EMISSIONS AT 11G NOX/HP-H, 11G CO/HP-H.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP

REVIEW STATUS: 05/04/1984

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

=====

SOURCE TYPE/SIZE---

NATURAL GAS COMPRESSORS

COMPANY NAME/SITE LOCATION

SANTA FE ENERGY

, CA

DETERMINATION IS BACT FOR A MODIFIED SOURCE.

PERMIT NO. 0951

DETERMINATION MADE BY

VENTURA COUNTY
(AGENCY)KEITH DUVAL
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 12/02/82

ESTIMATED DATE OF START-UP--

(805)-654-2664

(PHONE)

=====

PROCESSES SUBJECT
TO THIS PERMITTHROUGHPUT
CAPACITYPOLLUTANT
EMITTED

EMISSION LIMITS

CONTROL EQUIPMENT OR PROCESS MODIFICATION

... & BASIS

... PCT EFF

COMPRESSOR, NATURAL GAS

180.00 HP

NOX

150.0000 PPM

NOTES -----

STATE FILE # A330-030

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW POST STARTUP

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ID NUMBER CA-0073

SOURCE TYPE CODE 3.2

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

=====

SOURCE TYPE/SIZE---	NATURAL GAS COMPRESSORS	2000.00 HP EA
---------------------	-------------------------	---------------

COMPANY NAME/SITE LOCATION	SOUTHERN NAT. GAS P.O. BOX 2563	BIRMINGHAM, AL 35202	JEFFERSON COUNTY
----------------------------	------------------------------------	----------------------	------------------

DETERMINATION IS BACT FOR A MODIFIED SOURCE.		DATE OF PERMIT ISSUANCE-- 01/29/80	
PERMIT NO. (REGION FILE NO.) PSD-AL-055		ESTIMATED DATE OF START-UP--	
DETERMINATION MADE BY	ALABAMA APCD (AGENCY)	SUE ROBERTSON (AGENCY CONTACT PERSON)	(205)-834-6570 (PHONE)

=====

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
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VERT COMPRESSOR ENGINES, 3 EA	6000.00 HP	NOX	16.5000 GM/HP-H COMBUSTION CONTROL	BACT
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NOTES -----
THREE UNITS.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

=====

SOURCE TYPE/SIZE---	NATURAL GAS COMPRESSORS	4000.00 HP	

COMPANY NAME/SITE LOCATION	SOUTHERN NAT. GAS P.O. BOX 68	GALLION, AL 36742	HALE COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.		DATE OF PERMIT ISSUANCE--	06/04/81
PERMIT NO. PSD-AL-074		ESTIMATED DATE OF START-UP--	1982
DETERMINATION MADE BY	ALABAMA APCD (AGENCY)	SUE ROBERTSON (AGENCY CONTACT PERSON)	(205)-834-6570 (PHONE)

=====

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

VERTICAL COMPRESSOR ENGINE	4000.00 BRAKE HP	NOX	15.0000 G/HP-H EQUIPMENT OPERATION	

NOTES -----
MANUFACTURER EMISSION TEST

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

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ID NUMBER AL-0012

SOURCE TYPE CCDE 3.2

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

=====

SOURCE TYPE/SIZE--- NATURAL GAS COMPRESSORS 5000.00 BRAKE HP

COMPANY NAME/SITE LOCATION SOUTHERN NAT. GAS ELMORE, AL 36025
P.O. BOX 67 ELMORE COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE. DATE OF PERMIT ISSUANCE-- 06/04/81
PERMIT NO. (REGION FILE NO.) PSD-AL-075 ESTIMATED DATE OF START-UP-- 1982
DETERMINATION MADE BY ALABAMA APCD SUE ROBERTSON (205)-834-6570
(AGENCY) (AGENCY CONTACT PERSON) (PHONE)

=====

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
VERTICAL COMPRESSOR ENGINE	5000.00 BRAKE HP	NOX	15.0000 G/HP-H EQUIPMENT OPERATION	BACT

NOTES -----
MANUFACTURER EMISSION TEST

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE. INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983
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PAGE G- 218 ID NUMBER AL-0013 SOURCE TYPE CODE 3.2

APPENDIX -- DETAILED SOURCE LISTING

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=====

SOURCE TYPE/SIZE---	NATURAL GAS COMPRESSORS	15500.00 HP

COMPANY NAME/SITE LOCATION	TENNESSEE GAS PIPELINE CO.	MARIONVILLE, PA
		FOREST COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.		DATE OF PERMIT ISSUANCE-- 03/01/83
PERMIT NO. 27-399-001		ESTIMATED DATE OF START-UP-- 1983
DETERMINATION MADE BY	PENNSYLVANIA BAQ, DER	(814)-724-8530
	(AGENCY)	(PHONE)
	WILLIAM CHARLTON	
	(AGENCY CONTACT PERSON)	

=====

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

GAS COMPRESSOR	15500.00 HP	NOX	LEAN BURN PROC./AIR-FUEL RATIO ADJUST.	PSD

NOTES -----

EXISTING CAPACITY IS 11500 HP. PROPOSED ADDITIONS ARE 4000 HP. TOTAL CAPACITY WILL BE 15500 HP.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

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ID NUMBER FA-0028

SOURCE TYPE CODE 3.2

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

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=====
SOURCE TYPE/SIZE---      NATURAL GAS COMPRESSORS                2250.00 HP
-----
COMPANY NAME/SITE LOCATION  TRANSCONTINENTAL GAS PIPELINE CORP.          GILLIS, LA
                                                                    BEAUEGARD PARISH
-----
DETERMINATION IS BACT
PERMIT NO. PSD-LA-506
DETERMINATION MADE BY      LAQD/EPA REGION VI          HARENDRA RAOL
                           (AGENCY)                (AGENCY CONTACT PERSON)
                                                                    DATE OF PERMIT ISSUANCE-- 10/14/83
                                                                    ESTIMATED DATE OF START-UP-- 1983
                                                                    (504)-342-8940
                                                                    (PHONE)
=====
  
```

```

=====
PROCESSES SUBJECT          THROUGHPUT      POLLUTANT      EMISSION LIMITS      ... & BASIS
TO THIS PERMIT            CAPACITY        EMITTED        CONTROL EQUIPMENT OR PROCESS MODIFICATION ... PCT EFF
-----
ENGINE, RECIPROCATING COMPRESSOR  2250.00 HP
                                   NOX          29.7000 LB/H
                                   CLEAN BURN ENGINE, MOD. COMB. W/CONTRLS      55.00
  
```

NOTES -----

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS:

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

SOURCE TYPE/SIZE--- NATURAL GAS COMPRESSORS

COMPANY NAME/SITE LOCATION TRANSWESTERN PIPELINE CO., BITTER LAKE * NEAR ROSWELL, NM

DETERMINATION IS BACT FOR A MODIFIED SOURCE.

PERMIT NO. NM-274-M-2

DETERMINATION MADE BY

AIR QUALITY BUREAU - NMEID
(AGENCY)SHANKAR ANANTHAKRISHNA
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 09/23/82

ESTIMATED DATE OF START-UP--

(505)-984-0020

(PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
ENGINE, I.C. COMPRESSOR	1596.00 HP	NOX	4.0000 G/HP-H LOW NOX ENGINE	

NOTES -----

STACK TEST PERFORMED, EPA REF. METHOD 20, RESULTS - 2.96 G/HP-H

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

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ID NUMBER NM-0013A

SOURCE TYPE CODE 3.2

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

SOURCE TYPE/SIZE--- NATURAL GAS COMPRESSORS

COMPANY NAME/SITE LOCATION TRANSWESTERN PIPELINE CO., BITTER LAKE * NEAR ROSWELL, NM

DETERMINATION IS BACT FOR A MODIFIED SOURCE.

PERMIT NO. NM-274-M-1

DETERMINATION MADE BY

AIR QUALITY BUREAU - NMEID
(AGENCY)SHANKAR ANANTHAKRISHNA
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 05/03/82

ESTIMATED DATE OF START-UP-- 1982

(505)-984-0020

(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. COMPRESSOR

1050.00 HP

NOX

5.0000 G/HP-H
LOW NOX ENGINE

NOTES -----

STACK TEST PERFORMED, EPA REF. METHOD 20, RESULTS - 2.42 G/HP-H

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

SOURCE TYPE/SIZE--- NATURAL GAS COMPRESSORS

COMPANY NAME/SITE LOCATION TRANSWESTERN PIPELINE CO., ISLER NO. 1 * NEAR ROSWELL, NM

DETERMINATION IS BACT FOR A NEW SOURCE.

PERMIT NO. NM-464

DETERMINATION MADE BY

AIR QUALITY BUREAU - NMEID
(AGENCY)SHANKAR ANANTHAKRISHNA
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 05/08/82

ESTIMATED DATE OF START-UP-- 1982

(505)-984-0020
(PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
ENGINE, I.C. COMPRESSOR	1588.00 HP	NOX	4.0000 G/HP-H LOW NOX ENGINE	

NOTES -----

STACK TEST PERFORMED, EPA REF. METHOD 20, -- RESULTS - 2.06 G/HP-H

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

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ID NUMBER NM-0014

SOURCE TYPE CODE 3.2

APPENDIX -- DETAILED SOURCE LISTING

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SOURCE TYPE/SIZE--- NATURAL GAS COMPRESSORS

COMPANY NAME/SITE LOCATION TRANSWESTERN PIPELINE CO., KEMNITZ STAT* NEAR MALJAMAR, NM

DETERMINATION IS BACT FOR A MODIFIED SOURCE.

PERMIT NO. NM-399-M-1

DATE OF PERMIT ISSUANCE-- 05/03/82

DETERMINATION MADE BY

AIR QUALITY BUREAU - NMEID
(AGENCY)SHANKAR ANANTHAKRISHNA
(AGENCY CONTACT PERSON)ESTIMATED DATE OF START-UP-- 1982
(505)-984-0020
(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. COMPRESSOR	1072.00 HP	NOX	5.0000 G/HP-H LOW NOX ENGINE	
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NOTES -----

STACK TEST PERFORMED, EPA REF. METHOD 20, -- RESULTS - 4.15 G/HP-H

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

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SOURCE TYPE/SIZE----

NATURAL GAS COMPRESSORS

COMPANY NAME/SITE LOCATION

TRANSWESTERN PIPELINE CO., RED BLUFF ST*

NEAR ROSWELL, NM

DETERMINATION IS BACT FOR A MODIFIED SOURCE.

DATE OF PERMIT ISSUANCE-- 05/03/82

PERMIT NO. NM-411-M-1

ESTIMATED DATE OF START-UP-- 1982

DETERMINATION MADE BY

AIR QUALITY BUREAU - NMEID
(AGENCY)SHANKAR ANANTHAKRISHNA
(AGENCY CONTACT PERSON)(505)-984-0020
(PHONE)

=====

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

ENGINE, I.C. COMPRESSOR

1596.00 HP

NOX

4.0000 G/HP-H
LOW NOX ENGINE

NOTES -----

STACK TEST PERFORMED, EPA REF. METHOD 20, RESULTS -- 3.58 G/HP-H

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

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ID NUMBER NM-0010

SOURCE TYPE CCDE 3.2

APPENDIX -- DETAILED SOURCE LISTING

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SOURCE TYPE/SIZE--- NATURAL GAS COMPRESSORS

COMPANY NAME/SITE LOCATION TRANSWESTERN PIPELINE CO., RED BLUFF ST* NEAR ROSWELL, NM

DETERMINATION IS BACT FOR A MODIFIED SOURCE.

PERMIT NO. NM-412-M-1

DETERMINATION MADE BY

AIR QUALITY BUREAU - NMEID
(AGENCY)SHANKAR ANANTHAKRISHNA
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 05/03/82

ESTIMATED DATE OF START-UP-- 1982

(505)-984-0020
(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. COMPRESSOR	1073.00 HP	NOX	5.0000 G/HP-H LOW NOX ENGINE	
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NOTES -----

STACK TEST PERFORMED, EPA REF. METHOD 20, RESULTS -- 2.4 G/HP-H

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

APPENDIX -- DETAILED SOURCE LISTING

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SOURCE TYPE/SIZE--- NATURAL GAS COMPRESSORS

COMPANY NAME/SITE LOCATION TRANSWESTERN PIPELINE CO., RED BLUFF ST* NEAR ROSWELL, NM

DETERMINATION IS BACT FOR A MODIFIED SOURCE.

PERMIT NO. NM-413-M-1

DETERMINATION MADE BY

AIR QUALITY BUREAU - NMEID
(AGENCY)SHANKAR ANANTHAKRISHNA
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 05/03/82

ESTIMATED DATE OF START-UP-- 1982

(505)-984-0020

(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. COMPRESSOR

1588.00 HP

NOX

4.0000 G/HP-H
LOW NOX ENGINE

NOTES -----

STACK TEST PERFORMED, EPA REF. METHOD 20, RESULTS -- 2.51 G/HP-H

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
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ID NUMBER NM-0010B

SOURCE TYPE CODE 3.2

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

SOURCE TYPE/SIZE--- NATURAL GAS COMPRESSORS

COMPANY NAME/SITE LOCATION TRANSWESTERN PIPELINE CO., RED BLUFF ST* NEAR ROSWELL, NM

DETERMINATION IS BACT FOR A MODIFIED SOURCE.

PERMIT NO. NM-414-M-1

DETERMINATION MADE BY

AIR QUALITY BUREAU - NMEID
(AGENCY)SHANKAR ANANTHAKRISHNA
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 05/03/82

ESTIMATED DATE OF START-UP-- 1982

(505)-984-0020
(PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
ENGINE, I.C. COMPRESSOR	2647.00 HP	NOX	4.0000 G/HP-H LOW NOX ENGINE	

NOTES -----

STACK TEST PERFORMED, EPA REF. METHOD 20, RESULTS -- 0.82 G/HP-H

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

=====

SOURCE TYPE/SIZE---

NATURAL GAS COMPRESSORS

COMPANY NAME/SITE LOCATION

TRANSWESTERN PIPELINE CO., RED BLUFF ST*

NEAR ROSWELL, NM

DETERMINATION IS BACT FOR A MODIFIED SOURCE.

PERMIT NO. NM-415-M-1

DETERMINATION MADE BY

AIR QUALITY BUREAU - NMEID
(AGENCY)SHANKAR ANANTHAKRISHNA
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 05/03/82

ESTIMATED DATE OF START-UP-- 1982

(505)-984-0020

(PHONE)

=====

PROCESSES SUBJECT
TO THIS PERMITTHROUGHPUT
CAPACITYPOLLUTANT
EMITTED

EMISSION LIMITS

CONTROL EQUIPMENT OR PROCESS MODIFICATION

... & BASIS

... PCT EFF

ENGINE, I.C. COMPRESSOR

2585.00 HP

NOX

5.0000 G/HP-H

LOW NOX ENGINE

NOTES -----

STACK TEST PERFORMED, EPA REF. METHOD 20, RESULTS -- 3.2 G/HP-H

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ID NUMBER NM-00100

INITIAL REVIEW POST STARTUP

REVIEW STATUS: 04/01/1983

SOURCE TYPE CODE 3.2

APPENDIX -- DETAILED SOURCE LISTING

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SOURCE TYPE/SIZE--- NATURAL GAS COMPRESSORS

COMPANY NAME/SITE LOCATION TRANSHSTERN PIPELINE CO., MALJAMAR STAT* NEAR MALJAMAR, NM

DETERMINATION IS BACT FOR A MODIFIED SOURCE.

PERMIT NO. NM-387-M-1

DETERMINATION MADE BY

AIR QUALITY BUREAU - NMEID
(AGENCY)

SHANKAR ANANTHAKRISHNA
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 05/03/82

ESTIMATED DATE OF START-UP-- 1982

(505)-984-0020

(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. COMPRESSOR	1073.00 HP	NOX	5.0000 G/HP-H LOW NOX ENGINE	
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NOTES -----

STACK TEST PERFORMED, EPA RREF. METHOD 20, -- RESULTS - 3.93 G/HP-H

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

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=====
SOURCE TYPE/SIZE---      NATURAL GAS COMPRESSORS                      3000.00 HP
-----
COMPANY NAME/SITE LOCATION VALERO TRANSMISSION CO.                  OLD OCEAN, TX
                                                                    BRAZORIA COUNTY
-----
DETERMINATION IS BACT FOR A NEW SOURCE.                            DATE OF PERMIT ISSUANCE-- 09/09/82
PERMIT NO. X-3603                                                  ESTIMATED DATE OF START-UP-- 1982
DETERMINATION MADE BY      TEXAS ACB                                RANDY HAMILTON
                           (AGENCY)                               (AGENCY CONTACT PERSON)
                                                                    (512)-451-5711
                                                                    (PHONE)
=====
  
```

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
GAS COMPRESSORS, 3	1000.00 HP EA	NOX	34.8000 T/YR	
		CO	64.4000 T/YR	
		VOC	0.7000 T/YR	

NOTES -----

GAS TURBINES INHERENTLY CLEAN-BURNING WITH RESPECT TO NOX EMISSIONS. EMISSIONS OF NOX BASED ON 1.2 G/HP-H

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1993

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

SOURCE TYPE/SIZE--- NATURAL GAS COMPRESSORS

COMPANY NAME/SITE LOCATION WESTAR TRANSMISSION CO.

, TX

POTTER COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.

PERMIT NO. X-3990

DATE OF PERMIT ISSUANCE-- 12/07/82

ESTIMATED DATE OF START-UP-- 1982

DETERMINATION MADE BY

TEXAS ACB
(AGENCY)RANDY HAMILTON
(AGENCY CONTACT PERSON)(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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SUPERIOR 8GTLA

1100.00 HP

NOX

21.2000 T/YR

COMBUSTION CHAMBER MODIFICATION

CO

21.2000 T/YR

VOC

7.9000 T/YR

NOTES -----

EMISSION LIMITS ARE 2.0 G/HP-H NOX, 2.0 G/HP-H CO, 0.75 G/HP-H VOC.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 05/04/1984

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

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=====
SOURCE TYPE/SIZE---      OTHER INTERNAL COMBUSTION
-----
COMPANY NAME/SITE LOCATION  ARGO PETROLEUM, FERNDALE LEASE                , CA
-----
DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. 0380
DETERMINATION MADE BY      VENTURA COUNTY          KEITH DUVAL
                           (AGENCY)                (AGENCY CONTACT PERSON)
                                           DATE OF PERMIT ISSUANCE-- 09/30/83
                                           ESTIMATED DATE OF START-UP--
                                           (805)-654-2664
                                           (PHONE)
=====
  
```

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
I.C. ENGINE, NATURAL GAS	200.00 HP	NOX	50.0000 PPM CATALYTIC REDUCTION	96.70

NOTES -----
STATE FILE # A330-031

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=====
(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.
=====
PAGE 6- 233
ID NUMBER CA-0074
SOURCE TYPE CODE 3.3
  
```

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

=====

SOURCE TYPE/SIZE---	OTHER INTERNAL COMBUSTION	540.00 MW

COMPANY NAME/SITE LOCATION	CAJUN ELECT. POWER COOP.	NEW ROADS, LA
		POINTE COUPE PARISH

DETERMINATION IS BACT FOR A NEW SOURCE.		DATE OF PERMIT ISSUANCE-- 03/30/78
PERMIT NO. (REGION FILE NO.) PSD-LA-062		ESTIMATED DATE OF START-UP--
DETERMINATION MADE BY	EPA REGION VI	(214)-767-1594
	(AGENCY)	(PHONE)
JOHN BUNYAK		
(AGENCY CONTACT PERSON)		

=====

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

TURBINE, COAL FIRED	540.00 MW	SO2	LOW SULFUR WESTERN COAL	
		PM		

NOTES -----

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

```
=====
SOURCE TYPE/SIZE---      OTHER INTERNAL COMBUSTION      6000.00 KW
-----
COMPANY NAME/SITE LOCATION CITY OF AUGUSTA      AUGUSTA, KS
(MUNICIPAL ELECT. SYS, PLANT *      BUTLER COUNTY
-----
DETERMINATION IS BACT FOR A MODIFIED SOURCE.      DATE OF PERMIT ISSUANCE-- 05/29/81
PERMIT NO.      ESTIMATED DATE OF START-UP--
DETERMINATION MADE BY      EPA REGION VII      STEVE KOVAC      (816)-374-6525
      (AGENCY)      (AGENCY CONTACT PERSON)      (PHONE)
=====
```

```
=====
PROCESSES SUBJECT      THROUGHPUT      POLLUTANT      EMISSION LIMITS      ... & BASIS
TO THIS PERMIT      CAPACITY      EMITTED      CONTROL EQUIPMENT OR PROCESS MODIFICATION      ... PCT EFF
-----
DUAL FUEL ENGINE, GEN. UNIT #10      6000.00 KW
      NOX      1150.0000 PPM 15% O2 (D)      TEST
      SO2      FUEL STANDARD      NAAQ
      CO      FUEL OIL S CONTENT-0.7% BY WT.      NAAQ
=====
```

NOTES -----

THE UNIT WILL NOT BE SUBJECT TO PROPOSED SUBPART FF OF THE NSPS REGULATIONS, WHEN PROMULGATED. THE PERMIT, HOWEVER, INCORPORATES SEVERAL PROVISIONS (E.G., PERFORMANCE TEST PROCEDURES, MONITORING OF EMISSIONS, ETC.) OF PROPOSED SUBPART FF AS PERMIT CONDITIONS. TEST DATA USED TO SET NOX STANDARD.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

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=====
SOURCE TYPE/SIZE---      OTHER INTERNAL COMBUSTION      18611.00 HP
-----
COMPANY NAME/SITE LOCATION CITY OF KINGMAN      KINGMAN, KS 67068
                           P.O. BOX 168          KINGMAN COUNTY
-----
DETERMINATION IS BACT FOR A MODIFIED SOURCE.      DATE OF PERMIT ISSUANCE-- 03/01/83
PERMIT NO.      ESTIMATED DATE OF START-UP-- 1983
DETERMINATION MADE BY      EPA REGION VII      CHARLES WHITMORE
                           (AGENCY)            (AGENCY CONTACT PERSON)
                                           (816)-374-6525
                                           (PHONE)
=====

PROCESSES SUBJECT      THROUGHPUT      POLLUTANT      EMISSION LIMITS      ... & BASIS
TO THIS PERMIT          CAPACITY      EMITTED          CONTROL EQUIPMENT OR PROCESS MODIFICATION ... PCT EFF
-----
IC ENGINE, DUAL FUEL, UNIT 8      3495.00 HP
                                NOX      1150.0000 PPMV, 15% O2, DRY
                                           EFFICIENT OPERATION OF THE UNIT
                                           BACT
```

NOTES -----

THE UNIT, A COOPER-BESSEMER MODEL LSV-12-GDT, WAS PREVIOUSLY OPERATED SINCE 1963 BY ANOTHER MUNICIPAL UTILITY. TO ENSURE THAT SO2 EMISSIONS WILL NOT INCREASE BY A "SIGNIFICANT" AMOUNT, THE AMOUNT OF DISTILLATE FUEL OIL WHICH MAY BE COMBUSTED IS LIMITED TO 10% OF THE TOTAL ANNUAL HEAT INPUT FOR THE UNIT.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

=====

SOURCE TYPE/SIZE---	OTHER INTERNAL COMBUSTION	16624.00 HP (TOTAL, TO BE AD*

COMPANY NAME/SITE LOCATION	CITY OF OTTAWA	OTTAWA, KS
		FRANKLIN COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.		DATE OF PERMIT ISSUANCE-- 12/02/80
PERMIT NO.		ESTIMATED DATE OF START-UP-- 1980
DETERMINATION MADE BY	EPA REGION VII	STEVE KOVAC
	(AGENCY)	(AGENCY CONTACT PERSON)
		(816)-374-6525
		(PHONE)

=====

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

RECIP. ENGINES, 2 DUEL-FUEL IC,*	6000.00 KW EA	NOX	1150.0000 PPM 15% O2 (D)	BACT
		SO2	FUEL STANDARD	
			S IN FUEL LIM. TO 0.5% BY WT.	

NOTES -----

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

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=====
SOURCE TYPE/SIZE---      OTHER INTERNAL COMBUSTION                      90.00 MW
-----
COMPANY NAME/SITE LOCATION  EMPIRE DIST. ELECT. CO.                      , MO
                           LARUSSELL STATION                      LAWRENCE COUNTY
-----
DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO.
DETERMINATION MADE BY      EPA REGION VII                      DANIEL RODRIGUEZ
                           (AGENCY)                      (AGENCY CONTACT PERSON)
                                           DATE OF PERMIT ISSUANCE-- 01/07/81
                                           ESTIMATED DATE OF START-UP--
                                           (816)-374-6525
                                           (PHONE)
=====

```

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=====
PROCESSES SUBJECT          THROUGHPUT          POLLUTANT          EMISSION LIMITS          ... & BASIS
TO THIS PERMIT             CAPACITY          EMITTED            CONTROL EQUIPMENT OR PROCESS MODIFICATION ... PCT EFF
-----
COMBUSTION TURBINE, SIMPLE-CYC,* 1056.00 MMBTU/H (MA*
                                NOX      230.0000 PPMV, 15% O2, (ISO)-STAND. DAY COND.      BACT
                                CO       56.0000 LB/H
                                SO2      21.0000 PPMV
                                FUEL STANDARD
                                SEE NOTE
=====

```

NOTES -----

THE UNIT IS NOT SUBJECT TO NSPS, SUBPART GG. THE % S CONTENT OF THE FUEL TO BE BURNED IN UNIT 2 IS LIMITED BY PERMIT CONDITION S TO 0.8%, BY WT. THE NOX AND CO/BACT LIMITS WERE DERIVED FROM INFO. PROVIDED BY THE TURBINE MANUFACTURER.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

=====

SOURCE TYPE/SIZE---	OTHER INTERNAL COMBUSTION	252.00 MW

COMPANY NAME/SITE LOCATION	FLORIDA POWER	AVON PARK, FL 33733
		HIGHLANDS COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.		DATE OF PERMIT ISSUANCE-- 01/21/81
PERMIT NO. FL 017		ESTIMATED DATE OF START-UP-- 1982
DETERMINATION MADE BY	FLORIDA DER	(904)-488-1344
	(AGENCY)	(PHONE)
	ED PALAGYI	
	(AGENCY CONTACT PERSON)	

=====

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

TURBINE PEAKING UNITS, 4 EA	63.00 MW EA			
		SO2	379.0000 LB/H EA 284.0000 T/YR 0.5% S FUEL OIL	BACT
		NOX	250.0000 LB/H 187.0000 T/YR WATER INJECTION	NSPS
		CO	86.0000 LB/H 64.0000 T/YR CONTROLLED COMBUSTION	BACT

NOTES -----
MAXIMUM 1500 HRS OPERATION PER YEAR FOR EACH TURBINE.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983 01/25/1984

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ID NUMBER FL 017

SOURCE TYPE CODE 3.3

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

=====

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)-322-1333
(PHONE)

=====

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

INITIAL REVIEW POST STARTUP
REVIEW STATUS:

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

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=====
SOURCE TYPE/SIZE---      OTHER INTERNAL COMBUSTION                      2672.00 MMBTU/H
-----
COMPANY NAME/SITE LOCATION  GULF STATES UTILITY                      BATON ROUGE, LA                      IBERVILLE PARISH
                           13 MI. S. BATON ROUGE
-----
DETERMINATION IS BACT FOR A MODIFIED SOURCE.                      DATE OF PERMIT ISSUANCE-- 01/30/81
PERMIT NO. (REGION FILE NO.) PSD-LA-292                      ESTIMATED DATE OF START-UP--
DETERMINATION MADE BY      EPA REGION VI                      (214)-767-1594
                           (AGENCY)                          (PHONE)
                           JOHN BUNYAK
                           (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 TURBINE(2)      1336.00 MMBTU/H

                                S02           5.5000 LB/H                      NSPS
                                0.0040 LB/MMBTU GAS
                                NATURAL GAS FIRING
                                NOX           334.0000 LB/H                      NSPS
                                0.2500 LB/MMBTU GAS
                                STEAM/WATER INJECTION
                                CO            125.0000 LB/H                      BACT
                                0.0900 LB/MMBTU GAS
                                COMBUSTION CONTROLS
                                PM             1.0000 LB/H                      BACT
                                0.0010 LB/MMBTU GAS
                                NATURAL GAS FIRING
                                S02           296.0000 LB/H                      NSPS
                                0.2200 LB/MMBTU OIL
                                .28% S. FUEL OIL
                                NOX           362.0000 LB/H                      NSPS
                                0.2700 LB/MMBTU OIL
                                STEAM/WATER INJECTION
                                CO            216.0000 LB/H                      BACT
                                0.1600 LB/MMBTU OIL
                                COMBUSTION CONTROLS
=====

```

PM 33.0000 LB/H
0.0250 LB/MMBTU OIL
.1% ASH FUEL OIL

BACT

NOTES -----

TWO COMBUSTION TURBINES ARE PERMITTED TO FIRE EITHER NATURAL GAS OR FUEL OIL.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

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ID NUMBER LA-0005

SOURCE TYPE CODE 3.3

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

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SOURCE TYPE/SIZE---	OTHER INTERNAL COMBUSTION	100.00 MW
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COMPANY NAME/SITE LOCATION	GULF STATES UTILITY 8 MI WNW OF LAKE CHARLES	LAKE CHARLES, LA	CALCASIEL PARISH
----------------------------	---	------------------	------------------

DETERMINATION IS BACT FOR A MODIFIED SOURCE.	DATE OF PERMIT ISSUANCE--	12/22/80	
PERMIT NO. (REGION FILE NO.) PSD-LA-294	ESTIMATED DATE OF START-UP--		
DETERMINATION MADE BY	EPA REGION VI (AGENCY)	JOHN BUNYAK (AGENCY CONTACT PERSON)	(214)-767-1594 (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	1396.00 MMBTU/H			
		SO2	0.3500 LB/MMBTU OIL 0.0010 LB/MMBTU GAS LOW SULFUR OIL (0.46%)	NSPS
		NOX	0.2600 LB/MMBTU OIL 0.2500 LB/MMBTU GAS WATER/STEAM INJECTION	NSPS 60.00
		CO	0.1600 LB/MMBTU OIL 0.0900 LB/MMBTU GAS EFFICIENT DESIGN	BACT
		PM	0.0900 LB/MMBTU OIL 0.0010 LB/MMBTU GAS LOW ASH OIL (0.1%)	BACT

NOTES -----

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
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ID NUMBER LA-0003

SOURCE TYPE CODE 3.3

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

=====

SOURCE TYPE/SIZE---	OTHER INTERNAL COMBUSTION	23.30 MKW
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COMPANY NAME/SITE LOCATION	HOFFMANN-LAROCHE, INC. MANUNKACHUNK AVENUE	BELVIDERE, NJ 07823	WARREN COUNTY
----------------------------	---	---------------------	---------------

DETERMINATION IS BACT FOR A MODIFIED SOURCE.			DATE OF PERMIT ISSUANCE-- 08/17/81
PERMIT NO.			ESTIMATED DATE OF START-UP--
DETERMINATION MADE BY	EPA REGION II (AGENCY)	LARRY KARAS (AGENCY CONTACT PERSON)	(212)-264-9538 (PHONE)

=====

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
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DIESEL ENGINE, W/WASTE HEAT BOI*	23.30 MKW	NOX	2272.0000 T/YR WASTE HEAT BOILER RETARD. FUEL INJ. TIMING	NSPS
----------------------------------	-----------	-----	---	------

NOTES -----

SPECIFIC LIMITATIONS IN TERMS OF CAPACITY SHALL BE MET (AS PERMIT CONDITIONS) FOR THE OPERATION OF THE DIESEL COGENERATION FACILITY IN COMBINATION WITH SOME OF THE FIVE EXISTING BOILERS.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

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ID NUMBER NJ-0003

SOURCE TYPE CODE 3.3

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

SOURCE TYPE/SIZE--- OTHER INTERNAL COMBUSTION

COMPANY NAME/SITE LOCATION KILN-GAS R & D INC.

WOOD RIVER, IL

MADISON COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.

PERMIT NO. 82 07 0021

DETERMINATION MADE BY

ILLINOIS EPA
(AGENCY)CHRIS ROMAIN
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE--

ESTIMATED DATE OF START-UP-- 1984

(217)-782-2113
(PHONE)PROCESSES SUBJECT
TO THIS PERMITTHROUGHPUT
CAPACITYPOLLUTANT
EMITTED

EMISSION LIMITS

CONTROL EQUIPMENT OR PROCESS MODIFICATION ... & BASIS

... PCT EFF

TURBINE, COAL GAS FIRED

SO2 150.0000 PPM

NSPS

PURIFICATION OF PRODUCT GAS

NOX 75.0000 PPM

NSPS

PURIFICATION OF PRODUCT GAS

CO 290.0000 LB/H

EQUIPMENT DESIGN

NOTES -----

TURBINE IS TO BE USED IN A 3 YR EXPERIMENTAL PROGRAM IN ASSOCIATION WITH A 600 TON PER DAY COAL GASIFICATION DEMONSTRATION PROJECT.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
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ID NUMBER IL-0019

SOURCE TYPE CODE 3.3

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

SOURCE TYPE/SIZE--- OTHER INTERNAL COMBUSTION

COMPANY NAME/SITE LOCATION MUNICIPAL GENERATING PLANT

BELOIT, KS

DETERMINATION IS BACT FOR A MODIFIED SOURCE.

DATE OF PERMIT ISSUANCE--

PERMIT NO.

ESTIMATED DATE OF START-UP--

DETERMINATION MADE BY

EPA REGION VII
(AGENCY)

STEVE KOVAC
(AGENCY CONTACT PERSON)

(816)-374-6525
(PHONE)

PROCESSES SUBJECT
TO THIS PERMIT

THROUGHPUT
CAPACITY

POLLUTANT
EMITTED

EMISSION LIMITS
CONTROL EQUIPMENT OR PROCESS MODIFICATION

... & BASIS
... PCT EFF

ENGINE-GENERATOR

6000.00 KW

NOX
SO2

1150.0000 PPMV 15% O2, DRY BASIS
FUEL STANDARD
S CONTENT LIM. TO 0.7% BY WT.

CO

NOTES -----

TEST DATA USED TO ESTABLISH NOX STANDARD

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

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ID NUMBER KS-0014

SOURCE TYPE CODE 3.3

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

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=====
SOURCE TYPE/SIZE---      OTHER INTERNAL COMBUSTION      250.00 MW
-----
COMPANY NAME/SITE LOCATION  NEVADA PWR CO./REID GARDNER STATION      MOAPA, NV
-----
DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. (REGION FILE NO.) NV 79-03
DETERMINATION MADE BY      EPA REGION IX      JIM HANSON      DATE OF PERMIT ISSUANCE-- 01/03/80
                           (AGENCY)          (AGENCY CONTACT PERSON)  ESTIMATED DATE OF START-UP-- 1983
                                           (415)-974-8038
                                           (PHONE)
=====

```

```

=====
PROCESSES SUBJECT          THROUGHPUT    POLLUTANT    EMISSION LIMITS      ... & BASIS
TO THIS PERMIT             CAPACITY      EMITTED      CONTROL EQUIPMENT OR PROCESS MODIFICATION ... PCT EFF
-----
GENERATOR                  250.00 MW
                           SO2          0.2900 LB/MMBTU      WET SCRUBBER      85.00
                           NOX          0.5000 LB/MMBTU SS. COAL
                           0.6000 LB/MMBTU BIT. COAL
                           PROPER BOILER DESIGN & OPER.
                           PM          0.0300 LB/MMBTU      BAGHOUSE          99.60
=====

```

NOTES -----

ALL EMISSION LIMITS ARE BASED ON: NSPS, AND BACT DETERMINED BY TECHNOLOGY AND ECONOMICS. ADDITION OF GENERATOR TO AN EXISTING FACILITY.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
 REVIEW STATUS: 04/01/1983 02/13/1984

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

=====

SOURCE TYPE/SIZE---	OTHER INTERNAL COMBUSTION	4.20 MMCF/YR
---------------------	---------------------------	--------------

COMPANY NAME/SITE LOCATION	ORGANIC FUEL PRODUCTION, INC.	, TX	LUBBOCK COUNTY
----------------------------	-------------------------------	------	----------------

DETERMINATION IS BACT FOR A NEW SOURCE.

PERMIT NO. X-4141

DETERMINATION MADE BY

TEXAS ACB
(AGENCY)GARY WALLIN
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 02/16/83

ESTIMATED DATE OF START-UP-- 1983

(512)-451-5711

(PHONE)

=====

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

DIGESTERS, 7

4.20 MMCF/YR

PM

0.0100 T/YR

SO2

0.0020 T/YR

IRON SPONGE

NOX

0.2100 T/YR

NOTES -----

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

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REVIEW STATUS: 05/04/1984

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ID NUMBER TX-0113

SOURCE TYPE CODE 3.3

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

=====

SOURCE TYPE/SIZE---	OTHER INTERNAL COMBUSTION	160.00 MHP

COMPANY NAME/SITE LOCATION	PRUDHOE BAY CONSORTIUM	PRUDHOE BAY, AK

DETERMINATION IS BACT FOR A MODIFIED SOURCE.		DATE OF PERMIT ISSUANCE-- 12/17/80
PERMIT NO. (REGION FILE NO.)	PSD-X81-13	ESTIMATED DATE OF START-UP--
DETERMINATION MADE BY	EPA REGION X	(206)-442-1193
	(AGENCY)	(PHONE)
	PAUL BOYS	
	(AGENCY CONTACT PERSON)	

=====

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

GAS TURBINE, 10	16.00 MHP EA	NOX	150.0000 PPM DRY CONTROLS	BACT
		CO	109.0000 LB/MMSCF FUEL MONTGOMERY PROPER COMBST. COND.	BACT
GAS HEATERS		NOX	0.0800 LB/MMBTU LOW NOX BURNERS	BACT
		CO	0.0180 LB/MMSTU MONTGOMERY PROPER COMBST. COND.	

NOTES -----

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

SOURCE TYPE/SIZE--- OTHER INTERNAL COMBUSTION

COMPANY NAME/SITE LOCATION SEA WORLD, INC. SAN DIEGO, CA 92109
1720 SOUTH SHORES RD.

DETERMINATION IS BACT FOR A NEW SOURCE.

PERMIT NO. 7801

DETERMINATION MADE BY

SAN DIEGO APCD
(AGENCY)

GUS ANDERSON
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 06/11/82
ESTIMATED DATE OF START-UP-- 1981
(619)-565-3925
(PHONE)

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

7.10 MMBTU/H

NOX

1.8000 LB/MMBTU SEE NOTE
SINGLE STAGE CATALYTIC CONVERT.

CO

1.5000 LB/MMBTU SEE NOTE
SINGLE STAGE CATALYTIC CONVERTER

NOTES -----

COGENERATION UNIT CONSISTING OF 930 BHP I.C. PISTON ENGINE, NATURAL GAS FUELED, 630 KW ELECTRIC GENERATOR AND EQUIPPED FOR WASTE HEAT RECOVERY.
BEFORE USING THE EMISSION UNITS SHOWN, THE SAN DIEGO AGENCY SHOULD BE CONTACTED.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

SOURCE TYPE/SIZE--- OTHER INTERNAL COMBUSTION

COMPANY NAME/SITE LOCATION SEA WORLD, INC. SAN DIEGO, CA 92109
1720 SOUTH SHORES RD.

DETERMINATION IS BACT FOR A NEW SOURCE.

PERMIT NO. 8134

DETERMINATION MADE BY

SAN DIEGO APCD
(AGENCY)GUS ANDERSON
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 05/12/83

ESTIMATED DATE OF START-UP-- 1983

(619)-565-3925

(PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
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I.C. PISTON ENGINE	7.10 MMBTU/H			
		NOX	0.2480 LB/MMBTU 2 STAGE CATALYTIC CONVERT.	90.00
		CO	0.2300 LB/MMBTU 2 STAGE CATALYTIC CONVERTER	90.00

NOTES -----

COGENERATION UNIT CONSISTING OF 930 BHP I.C. PISTON ENGINE, NATURAL GAS FUELED, 630 KW ELECTRIC GENERATOR AND EQUIPPED FOR WASTE HEAT RECOVERY. PERMIT PENDING

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

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ID NUMBER CA-0042A

SOURCE TYPE CODE 3.3

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

=====

SOURCE TYPE/SIZE---	OTHER INTERNAL COMBUSTION	40.00 MW
---------------------	---------------------------	----------

COMPANY NAME/SITE LOCATION	SEBRING UTILITIES COMMISSION 368 S. COMMERCE AVE. P.O. BOX*	SEBRING, FL 33870	HIGHLANDS COUNTY
----------------------------	--	-------------------	------------------

DETERMINATION IS BACT FOR A NEW SOURCE.		DATE OF PERMIT ISSUANCE--	04/03/81
PERMIT NO. (REGION FILE NO.)	PSD-FL-071	ESTIMATED DATE OF START-UP--	1983
DETERMINATION MADE BY	FLORIDA DER	(904)-488-1344	
	(AGENCY)	ED PALAGYI	(PHONE)
		(AGENCY CONTACT PERSON)	

=====

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
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DIESEL ENGINES	19.53 MW EA	NOX	819.0000 PPMV COMBUSTION CONTROL	NSPS
		SO2	2.6700 LB/MMBTU 2.5% SULFUR OIL	BACT
		PM	0.1000 LB/MMBTU COMBUSTION CONTROL	BACT
		CO	0.5750 LB/MMBTU EQUIPMENT OPERATION	NSPS
		VOC	0.2600 LB/MMBTU EQUIPMENT OPERATION	NSPS

NOTES -----

HUGE SLOW-SPEED RECIPROCATING INTERNAL COMBUSTION ENGINES TO DRIVE ELECTRICAL GENERATORS.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983 01/25/1984

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

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=====
SOURCE TYPE/SIZE---      OTHER INTERNAL COMBUSTION                      27.50 MMCFD
-----
COMPANY NAME/SITE LOCATION SHELL OIL CO.                            NEAR MCCAMEY, TX
-----
                                                                UPTON COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. (REGION FILE NO.) PSD-TX-360
DETERMINATION MADE BY      EPA REGION VI
                           (AGENCY)
                           BILL TAYLOR
                           (AGENCY CONTACT PERSON)
                           DATE OF PERMIT ISSUANCE-- 03/27/81
                           ESTIMATED DATE OF START-UP-- 1981
                           (214)-767-1594
                           (PHONE)
=====
  
```

```

=====
PROCESSES SUBJECT      THROUGHPUT      POLLUTANT      EMISSION LIMITS      ... & BASIS
TO THIS PERMIT          CAPACITY      EMITTED        CONTROL EQUIPMENT OR PROCESS MODIFICATION ... PCT EFF
-----
I.C. ENGINES, RECIPROCATING FUE* 1215.00 HP
                                   NOX      10.0000 G/HP-H
                                   DERATED OLD ENGINES
                                   BACT
  
```

NOTES -----

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
 REVIEW STATUS: 04/01/1983

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

=====

SOURCE TYPE/SIZE---	OTHER INTERNAL COMBUSTION	12000.00 KW	
---------------------	---------------------------	-------------	--

COMPANY NAME/SITE LOCATION	TRENTON DISTRICT ENERGY CO. S. WARREN BET. LIVINGSTON & F*	TRENTON, NJ	MERCER COUNTY
----------------------------	---	-------------	---------------

DETERMINATION IS BACT FOR A NEW SOURCE.		DATE OF PERMIT ISSUANCE--	10/29/81
PERMIT NO.		ESTIMATED DATE OF START-UP--	
DETERMINATION MADE BY	EPA REGION II (AGENCY)	LARRY KARAS (AGENCY CONTACT PERSON)	(212)-264-9538 (PHONE)

=====

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
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DIESEL ENGINES, W/2 SUP. FIRED *	6.00 MKW EA	PM	71.0000 T/YR SUPPLEMENTARY FIRED BOILERS PROPER COMBST. OF EXHAUST GASES	
		SO2	482.0000 T/YR LOW SULFUR FUEL LOW SULFUR FUEL	SIP
		NOX	1869.0000 T/YR USE OF MANUFACT. ENG. MOD.	DESI

NOTES -----

GOOD COMBUSTION PRACTICE & USE OF LOW SULFUR FUEL OIL, 0.5% BY WT., & USE OF NATURAL GAS AS AVAILABLE, ARE REQUIRED FOR WASTE HEAT BOILERS. BASIS FOR PM CONTROL IS CONTROL EQUIPMENT.
BASIS FOR PM CONTROL IS CONTROL EQUIPMENT

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1993

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

=====

SOURCE TYPE/SIZE---

SURFACE COATING - CANS/COILS

COMPANY NAME/SITE LOCATION

BALL METAL CONTAINER GROUP

EAST FINDLAY, OH

DETERMINATION IS BACT FOR A MODIFIED SOURCE.

PERMIT NO. 03-1025

DETERMINATION MADE BY

OHIO EPA NWD
(AGENCY)DCN WALTERMEYER
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 04/10/81

ESTIMATED DATE OF START-UP-- 1981

(419)-352-8461

(PHONE)

=====

PROCESSES SUBJECT
TO THIS PERMITTHROUGHPUT
CAPACITYPOLLUTANT
EMITTED

EMISSION LIMITS

CONTROL EQUIPMENT OR PROCESS MODIFICATION ... & BASIS

... PCT EFF

EXTERIOR BASE OPERATION

300.00 MM CANS/LIN*

VOC

0.3600 KG/L COATING SOLIDS

NSPS

THERMAL INCINERATOR

85.00

INTERNAL COAT

300.00 MM CANS/LIN*

VOC

0.5400 LB/GAL COATING MINUS H2O

BACT

NOTES -----

PERMIT REQUIRES THAT VOC EMISSIONS SHALL NOT EXCEED ANY NSPS LIMITS APPLICABLE TO BEVERAGE CAN SURFACE COATING. IT REQUIRES THE SOURCE TO NOTIFY OF 1) CONSTRUCTION DATE, 2) ANTICIPATED STARTUP DATE, 3) ACTUAL STARTUP DATE, AND 4) DATE OF PERFORMANCE TESTING

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

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ID NUMBER OH-0035

SOURCE TYPE CODE 4.1

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

SOURCE TYPE/SIZE--- SURFACE COATING - CANS/COILS

COMPANY NAME/SITE LOCATION CONTINENTAL CAN CO., USA PLANT #82 WEST CARROLLTON, OH

DETERMINATION IS LAER FOR A NEW SOURCE.

PERMIT NO. 0857101741

DETERMINATION MADE BY

REGIONAL APCA
(AGENCY)JAMES GROSS
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 07/01/83

ESTIMATED DATE OF START-UP-- 1983

(513)-225-4435

(PHONE)

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

4.70 GAL/H

VOC

3.0900 LB/GAL COMPOUND, MINUS H2O
38.1600 T/YR

TECH

NOTES -----

PHASED INSTALLATION OF 4 LINES, 4 MACHINES EA., WILL OCCUR IN A 6 MONTH PERIOD. IN APRIL, 1984, CONTINENTAL CAN WILL BEGAIN EM
PLOYING A NEW END SEAM COMPOUND
WHICH WILL BE COMPOSED OF A VOC CONTENT LESS THAN 3.09 LB/GAL, MINUS WATER.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS:

PAGE G- 256

ID NUMBER OH-0047

SOURCE TYPE CODE 4.1

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

=====

SOURCE TYPE/SIZE---

SURFACE COATING - CANS/COILS

COMPANY NAME/SITE LOCATION

EVANS COOPERAGE CO., INC.

TULSA, OK

DETERMINATION IS BACT FOR A NEW SOURCE.

DATE OF PERMIT ISSUANCE-- 05/04/82

PERMIT NO. T82-31

ESTIMATED DATE OF START-UP-- 1983

DETERMINATION MADE BY

TULSA CITY-COUNTY HEALTH DEPT JIM VAN SANDT

(918)-744-1000

(AGENCY)

(AGENCY CONTACT PERSON)

(PHONE)

=====

PROCESSES SUBJECT
TO THIS PERMITTHROUGHPUT
CAPACITYPOLLUTANT
EMITTED

EMISSION LIMITS

CONTROL EQUIPMENT OR PROCESS MODIFICATION

... & BASIS

... PCT EFF

HAND SPRAY DRUM PAINTING

72.00 DRUMS/H

VOC

15.6800 LB/H

HIGH SOLIDS PAINT, 43.9% SOLIDS

12.90

NOTES -----

1) VOC REDUCTION IN PAINTS BACT BECAUSE OF ECONOMIC FACTOR. ANY OTHER CONTROLS WOULD HAVE COST 50% OF THE TOTAL INVESTMENT.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP

REVIEW STATUS: 04/01/1983

=====

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ID NUMBER OK-0015

SOURCE TYPE CODE 4.1

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

=====

SOURCE TYPE/SIZE---	SURFACE COATING - CANS/COILS	600.00 MM CANS/YR

COMPANY NAME/SITE LOCATION	MILLER BREWING CO.	MOULTRIE, GA

DETERMINATION IS BACT FOR A NEW SOURCE.		DATE OF PERMIT ISSUANCE-- 07/02/79
PERMIT NO. 3411-035-6906-C		ESTIMATED DATE OF START-UP-- 1981
DETERMINATION MADE BY	GEORGIA EPD	HAI CHANG
	(AGENCY)	(AGENCY CONTACT PERSON)
		(404)-656-6900
		(PHONE)

=====

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

BASE COATING	298.00 T/YR	VOC	1.8500 LB/GAL COATING MINUS H2O LOW SOLVENT COATING	
INTERIOR BODY SPRAYING	182.00 T/YR	VOC	3.9900 LB/GAL COATING MINUS H2O LOW SOLVENT COATING	
OVERVARNISH	76.00 T/YR	VOC	2.3300 LB/GAL COATING MINUS H2O LOW SOLVENT COATING	
END SEALING COMPOUND	66.00 T/YR	VOC	3.7000 LB/GAL COATING MINUS H2O LOW SOLVENT COATING	

NOTES -----

PLANT CURRENTLY DOES NOT PERFORM ANY BASE COATING OPERATION. COMPLIANCE COATINGS ARE NOW BEING USED FOR THE OTHER THREE COATING OPERATIONS.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

=====

SOURCE TYPE/SIZE---

SURFACE COATING - CANS/COILS

COMPANY NAME/SITE LOCATION

NATIONAL CAN CORP.

CHICAGO, IL

COOK COUNTY

DETERMINATION IS LAER FOR A NEW SOURCE.

PERMIT NO. C 7906091

DETERMINATION MADE BY

ILLINOIS EPA
(AGENCY)CHRIS ROMAINE
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 11/09/81

ESTIMATED DATE OF START-UP-- 1983

(217)-782-2113
(PHONE)

=====

PROCESSES SUBJECT
TO THIS PERMITTHROUGHPUT
CAPACITYPOLLUTANT
EMITTED

EMISSION LIMITS

CONTROL EQUIPMENT OR PROCESS MODIFICATION ... & BASIS

... PCT EFF

COATER & OVENS

VOC

209.6000 T/YR

COATING BREAKDOWN SEE NOTES

LAER

NOTES -----

COATING SOLVENT LIMITATION - INSIDE SPRAY 3.63 LB/GAL, BOTTOM END SPRAY 2.1 LB/GAL, OVERVARNISH 2.1 LB/GAL, BASECOAT 1.8 LB/GAL

L

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983 04/04/1984

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ID NUMBER IL-0011

SOURCE TYPE CODE 4.1

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

=====

SOURCE TYPE/SIZE---

SURFACE COATING - CANS/COILS

COMPANY NAME/SITE LOCATION

PREFINISH METALS

WALBRIDGE, OH

DETERMINATION IS LAER FOR A NEW SOURCE.

PERMIT NO. 03-746

DETERMINATION MADE BY

OHIO EPA NWD
(AGENCY)CHUCK HULL
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 05/04/79

ESTIMATED DATE OF START-UP-- 1981

(419)-352-8461
(PHONE)

=====

PROCESSES SUBJECT
TO THIS PERMITTHROUGHPUT
CAPACITYPOLLUTANT
EMITTED

EMISSION LIMITS

CONTROL EQUIPMENT OR PROCESS MODIFICATION ... & BASIS

... PCT EFF

2 COIL COATERS & OVENS

700000.00 T/H VARIES

VOC

37.0000 LB/H

AFTERBURNERS

97.00

NOTES -----

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

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INITIAL REVIEW POST STARTUP

REVIEW STATUS: 04/01/1983

=====

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ID NUMBER OH-0039

SOURCE TYPE CODE 4.1

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

=====

SOURCE TYPE/SIZE---

SURFACE COATING - CANS/COILS

COMPANY NAME/SITE LOCATION

STROH CONTAINER

FREMONT, OH

DETERMINATION IS BACT FOR A NEW SOURCE.

PERMIT NO. 03-807

DETERMINATION MADE BY

OHIO EPA NWD
(AGENCY)DON WALTERMEYER
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 08/30/79

ESTIMATED DATE OF START-UP-- 1981

(419)-352-8461

(PHONE)

=====

PROCESSES SUBJECT
TO THIS PERMITTHROUGHPUT
CAPACITYPOLLUTANT
EMITTED

EMISSION LIMITS

CONTROL EQUIPMENT OR PROCESS MODIFICATION ... & BASIS

... PCT EFF

BASE, BOTTOM, AND INTERNAL COAT*

3000.00 CANS/MIN.

VOC

40.0000 T/YR

CATALYTIC INCINERATOR

90.00

NOTES -----

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

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INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

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ID NUMBER OH-0036

SOURCE TYPE CODE 4.1

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

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SOURCE TYPE/SIZE---

SURFACE COATING - PAPERS/FABRICS

COMPANY NAME/SITE LOCATION

ALLIED PRINTERS & PUBLISHERS, INC.

TULSA, OK

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. T80-74

DATE OF PERMIT ISSUANCE-- 03/13/81

ESTIMATED DATE OF START-UP-- 1980

DETERMINATION MADE BY

TULSA CITY-COUNTY HEALTH DEPT JIM VAN SANDT

(918)-744-1000

(AGENCY)

(AGENCY CONTACT PERSON)

(PHONE)

=====

PROCESSES SUBJECT
TO THIS PERMITTHROUGHPUT
CAPACITYPOLLUTANT
EMITTED

EMISSION LIMITS

CONTROL EQUIPMENT OR PROCESS MODIFICATION

... & BASIS

... PCT EFF

WEB OFFSET PRINTING PRESS

800.00 FT/SEC

VOC

0.7140 LB/H

STRAIGHT FLAME INCIN., W/PREHEATER

90.00

HIGH SOLIDS INK (68%)

NOTES -----

1) DECREASE IN VOC CONTENT. EFFICIENCY = 12.5%. 2) CONVERSION OF PHOTOCHEMICAL REACTANTS TO NON-REACTANT MATERIALS. EFFICIENCY = 90%

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

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ID NUMBER OK-0016

SOURCE TYPE CODE 4.2

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

SOURCE TYPE/SIZE--- SURFACE COATING - PAPERS/FABRICS

COMPANY NAME/SITE LOCATION AVERY INTERNAT

PAINESVILLE TWP., OH

LAKE COUNTY

DETERMINATION IS LAER FOR A NEW SOURCE.

PERMIT NO. 0243110957

DATE OF PERMIT ISSUANCE-- 06/11/81

ESTIMATED DATE OF START-UP--

DETERMINATION MADE BY

OHIO EPA NED
(AGENCY)DENNIS BUSH
(AGENCY CONTACT PERSON)(216)-425-9171
(PHONE)PROCESSES SUBJECT
TO THIS PERMITTHROUGHPUT
CAPACITYPOLLUTANT
EMITTED

EMISSION LIMITS

CONTROL EQUIPMENT OR PROCESS MODIFICATION ... & BASIS

... PCT EFF

VINYL AND PAPER COATING LINE

63.90 GAL/H

VOC

2.6000 LB/GAL COAT. APPLIED
132.8000 T/YR
LOW SOLVENT COATING

LAER

NOTES -----

LAER LIMITS AND ANNUAL MAX. EMISSION IMPOSED BY PERMIT CONDITIONS WHICH REQUIRES REDUCTIONS FROM SOURCE K007 OF 159.4 TPY TO PROVIDE THE OFFSET AND FURTHER REDUCTIONS FROM 6 (CONT. 27) OTHER COATING LINES TO LIMIT VOC EMISSIONS TO 2.05 LB/GAL, EXCL. WATERBY 4-1-82

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

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ID NUMBER OH-0014

SOURCE TYPE CODE 4.2

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

SOURCE TYPE/SIZE--- SURFACE COATING - PAPERS/FABRICS

COMPANY NAME/SITE LOCATION DIETZGEN CORP.

DES MOINES, IL

DETERMINATION IS LAER FOR A NEW SOURCE.

PERMIT NO. C8006034

DETERMINATION MADE BY

EPA REGION V
(AGENCY)

CHRIS ROMAIN
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 12/11/80
ESTIMATED DATE OF START-UP-- 1982
(217)-782-2113
(PHONE)

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

VOC

0.6000 LB/GAL COATING
AFTERBURNER

LAER
90.00

NOTES -----

90% EFFICIENCY REQUIRED OF AFTERBURNER SYSTEM (CAPTURE & DESTRUCTION).

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983 04/04/1984

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

=====

SOURCE TYPE/SIZE--- SURFACE COATING - PAPERS/FABRICS 240.00 LB/H

COMPANY NAME/SITE LOCATION FRYE COPY SYS, INC GOSHEN, IN

DETERMINATION IS BACT FOR A NEW SOURCE. DATE OF PERMIT ISSUANCE-- 11/07/00
 PERMIT NO. PC(20)1480 ESTIMATED DATE OF START-UP--
 DETERMINATION MADE BY INDIANA APCD FRANK PROFIT (317)-633-0664
 (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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PAPER COATING LINE	240.00 LB/H	VOC	25.0000 T/YR CARBON ABSORBER	95.00
--------------------	-------------	-----	---------------------------------	-------

NOTES -----
 4000 HRS/YEAR OPERATION

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
 REVIEW STATUS: 04/01/1983

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

=====

SOURCE TYPE/SIZE---

SURFACE COATING - PAPERS/FABRICS

COMPANY NAME/SITE LOCATION

GAZETTE PRESS PRINTING

PITTSBURGH, CA

DETERMINATION IS BACT FOR A NEW SOURCE.

PERMIT NO. 28925

DETERMINATION MADE BY

BAY AREA AQMD
(AGENCY)MOHAMAD MDazed
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 12/20/82

ESTIMATED DATE OF START-UP-- 1983

(415)-771-6000

(PHONE)

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

DRYING OVENS

12950.00 CF/M

VOC

9.0000 LB/D

FUME INCINERATOR

95.00

NOTES -----

FUME INCINERATOR 12950 CFM KATEC, TVA-812, FILE A 340-007. SOURCE OPERATES 12 H/D, 6 D/WEEK, 52 WEEK/YR.

INITIAL REVIEW POST STARTUP

REVIEW STATUS: 04/19/1984

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

=====

SOURCE TYPE/SIZE---

SURFACE COATING - PAPERS/FABRICS

COMPANY NAME/SITE LOCATION

H.S. CROCKER CO. PRINTING

SAN BURNO, CA

DETERMINATION IS BACT FOR A NEW SOURCE.

PERMIT NO. 28709

DETERMINATION MADE BY

BAY AREA AQMD
(AGENCY)MOHAMAD MOAZED
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 03/21/82

ESTIMATED DATE OF START-UP--

(415)-771-6000

(PHONE)

=====

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

PRINTING PRESS, 64 INCH

VOC 415.0000 LB/D
SEE NOTE

NOTES -----

VOC<2.5 LB/GAL LIMIT VOC CONTENT OF INKS. FILE A 340-008. SIX COLOR PRESS OPERATES 14 H/D, 5 D/WEEK, 48 WEEK/YR.

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ID NUMBER CA-0055

INITIAL REVIEW POST STARTUP

REVIEW STATUS: 04/19/1984

SOURCE TYPE CODE 4.2

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

=====

SOURCE TYPE/SIZE---

SURFACE COATING - PAPERS/FABRICS

COMPANY NAME/SITE LOCATION

INLAND, DIVISION OF G.M. CORP.

VANDALIA, OH

DETERMINATION IS BACT FOR A MODIFIED SOURCE.

PERMIT NO. 0857170125 K001

DETERMINATION MADE BY

REGIONAL APCA
(AGENCY)JAMES GROSS
(AGENCY CONTACT PERSON)DATE OF PERMIT ISSUANCE-- 09/18/80
ESTIMATED DATE OF START-UP-- 1977
(513)-225-4435
(PHONE)

=====

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

LEMO GRAVURE VINYL COATER

45.00 GAL/H

VOC

83.8400 LB/H
CARBON ADSORPTIONTECH
73.00

NOTES -----

THE 73% EFFICIENCY REPRESENTS THE FIRST EFFICIENCY DETERMINATION. SEMI-ANNUAL EVALUATIONS WILL BE PERFORMED.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS:

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ID NUMBER OH-0048

SOURCE TYPE CODE 4.2

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

=====

SOURCE TYPE/SIZE---	SURFACE COATING - PAPERS/FABRICS		

COMPANY NAME/SITE LOCATION	INTERNAT. LABEL MFG. FAC.	CLARKSVILLE, TN	MONTGOMERY COUNTY

DETERMINATION IS LAER FOR A NEW SOURCE.		DATE OF PERMIT ISSUANCE-- 03/26/80	
PERMIT NO. PSD-TN-060		ESTIMATED DATE OF START-UP--	
DETERMINATION MADE BY	TENNESSEE APCD	ANGIE PITCOCK	(615)-741-3651
	(AGENCY)	(AGENCY CONTACT PERSON)	(PHONE)

=====

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

PAPER PRINTING	3454.00 LB/H			
		VOC	46.9400 T/YR	LAER
			CARBON ADSORP. BEDS + INCIN.	99.90
BOILERS, NAT. GAS, 3 EA		SO2	152.8800 T/YR	SACT

NOTES -----

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

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ID NUMBER TN-0004

SOURCE TYPE CODE 4.2

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

=====

SOURCE TYPE/SIZE---

SURFACE COATING - PAPERS/FABRICS

COMPANY NAME/SITE LOCATION

ITEN FIBRE CO.

ASHTABULA, OH

ASHTABULA COUNTY

DETERMINATION IS LAER FOR A NEW SOURCE.

PERMIT NO. 0204010112

DETERMINATION MADE BY

OHIO EPA HED
(AGENCY)DENNIS BUSH
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 12/23/81

ESTIMATED DATE OF START-UP--

(216)-425-9171

(PHONE)

=====

PROCESSES SUBJECT
TO THIS PERMITTHROUGHPUT
CAPACITYPOLLUTANT
EMITTED

EMISSION LIMITS

CONTROL EQUIPMENT OR PROCESS MODIFICATION

... & BASIS

... PCT EFF

RESIN COATING LINE

VOC

2.9000 LB/GAL COAT. APPLIED
516.0000 T/YR
LOW SOLVENT COATING

LAER

NOTES -----

COMPANY TO REPORT QUARTERLY OR MONTHLY COATING USE, TOTAL VOC EMISSIONS, AND LB/GAL VOC EMISSIONS RATE.

OFFSETS NOT REQUIRED RURAL AREA.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

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ID NUMBER OH-0015

SOURCE TYPE CODE 4.2

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

=====

SOURCE TYPE/SIZE---	SURFACE COATING - PAPERS/FABRICS	450.00 LB/H

COMPANY NAME/SITE LOCATION	MURRAY RUBBER, (HEAD COMPANY)	HOUSTON, TX 77040
		HARRIS COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.		DATE OF PERMIT ISSUANCE-- 07/01/82
PERMIT NO. 9040		ESTIMATED DATE OF START-UP-- 1982
DETERMINATION MADE BY	TEXAS ACB	ART KELLOGG
	(AGENCY)	(AGENCY CONTACT PERSON)
		(512)-451-5711
		(PHONE)

=====

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

FABRIC COATER	450.00 LB/H	VOC	27.0000 LB/H THERMAL OXIDIZER	90.00

NOTES -----

THIS SYSTEM REDUCES EMISSIONS TO 0.83 LB/GAL APPLIED W/GREATER THAN 90% EFFICIENCY (MAXIMUM). TACB REGULATIONS & EPA GUIDELINE S ALLOW A MAX. OF 2.9 LB/GAL APPLIED. THE OXIDIZER REQUIRES NO FUEL FOR OPER. OTHER THAN THE DRYER EMIS.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

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ID NUMBER TX-0086

SOURCE TYPE CODE 4.2

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

SOURCE TYPE/SIZE--- SURFACE COATING - PAPERS/FABRICS

COMPANY NAME/SITE LOCATION NDM CORP.

MORaine, OH

DETERMINATION IS LAER FOR A NEW SOURCE.

PERMIT NO. 0857101457 K001

DATE OF PERMIT ISSUANCE-- 07/23/82

ESTIMATED DATE OF START-UP-- 1982

DETERMINATION MADE BY RAPCA - DAYTON, OH
(AGENCY)THURMAN SMITH
(AGENCY CONTACT PERSON)(513)-225-4435
(PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
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PAPER COATING	30.00 FT/MIN	VOC	19.0000 LB/H 11.4000 T/YR THERMAL INCINERATOR	99.70
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NOTES -----

THERMAL INCINERATOR WAS TESTED AT 99.7% OVERALL EFFICIENCY. COATING MUST MEET 2.9 LB VOC/GAL COATING OR CONTROL EQUIPMENT MUST PROVIDE AN EMISSION REDUCTION OF 50.5%. PERMIT RESTRICTS OVERALL EFFICIENCY TO NO LESS THAN 85.5%.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983 02/13/1984

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

=====

SOURCE TYPE/SIZE---

SURFACE COATING - PAPERS/FABRICS

COMPANY NAME/SITE LOCATION

STECHER-TRAUNG-SCHMIDT

NEWARK, CA

DETERMINATION IS BACT FOR A NEW SOURCE.

PERMIT NO. 28246

DETERMINATION MADE BY

BAY AREA AQMD
(AGENCY)ELLEN LINDER
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 10/08/82

ESTIMATED DATE OF START-UP-- 1983

(415)-771-6000

(PHONE)

=====

PROCESSES SUBJECT
TO THIS PERMITTHROUGHPUT
CAPACITYPOLLUTANT
EMITTED

EMISSION LIMITS

CONTROL EQUIPMENT OR PROCESS MODIFICATION ... & BASIS

... PCT EFF

OVEN, VARNISHER DRYING 4000.00 SHEETS/H

VOC

67.0000 LB/D

HIRT FUME INCINERATOR

BACT

90.00

NOTES -----

OVERALL EFFICIENCY 90%, 97% IN-OUT OF INCINERATOR.

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ID NUMBER CA-0050

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/19/1984

SOURCE TYPE CCDE 4.2

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

=====

SOURCE TYPE/SIZE---

SURFACE COATING - AUTO./LIGHT DUTY TRUCKS

COMPANY NAME/SITE LOCATION

CHEVROLET - FLINT MANUFACTURING
300 NORTH CHEVROLET AVE

FLINT, MI

DETERMINATION IS LAER FOR A NEW SOURCE.

PERMIT NO. 95-84

DETERMINATION MADE BY

MICHIGAN DNR
(AGENCY)GREGORY EDWARDS
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 03/07/84

ESTIMATED DATE OF START-UP-- 1984

(517)-322-1333

(PHONE)

=====

PROCESSES SUBJECT
TO THIS PERMITTHROUGHPUT
CAPACITYPOLLUTANT
EMITTED

EMISSION LIMITS

CONTROL EQUIPMENT OR PROCESS MODIFICATION

... & BASIS

... PCT EFF

SPRAY BOOTH, SOUND DEADENER

300.00 PARTS/H

VOC

78.5000 LB/H SEE NOTE

108.0000 T/YR SEE NOTE

AIRLESS GUNS & TIMED SPRAYING

LAER

SPRAY BOOTH, REINFORCEMENT

300.00 PARTS/H

VOC

78.5000 LB/H SEE NOTE

108.0000 T/YR SEE NOTE

AIRLESS GUNS & TIMED SPRAYING

LAER

NOTES -----

NOTE - EMISSION LIMITS ON VOC ARE FOR BOTH BOOTHS COMBINED.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

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INITIAL REVIEW POST STARTUP

REVIEW STATUS:

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ID NUMBER MI-0035

SOURCE TYPE CODE 4.3

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

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SOURCE TYPE/SIZE---	SURFACE COATING - AUTO./LIGHT DUTY TRUCKS	75.00 CARS/H
---------------------	---	--------------

COMPANY NAME/SITE LOCATION	CHRYSLER CORP. JEFFERSON AV. ASSEMBLY PLANT	DETROIT, MI 48226	WAYNE COUNTY
----------------------------	--	-------------------	--------------

DETERMINATION IS LAER FOR A MODIFIED SOURCE. PERMIT NO. C-5366 THRU C-5369	DATE OF PERMIT ISSUANCE-- 06/05/80
DETERMINATION MADE BY WAYNE COUNTY APCD (AGENCY)	ESTIMATED DATE OF START-UP-- 1980 (313)-224-4693 (PHONE)
AL SCHEANS (AGENCY CONTACT PERSON)	

=====

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... FCT EFF
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TACK-OFF BOOTH		VOC	EXHAUST THRU SPRAY BOOTH	LAER
COLOR SPRAY BOOTH	500000.00 SCFM	VOC	SEE NOTE	
COLOR FLASH-OFF BOOTH	10000.00 SCFM	VOC	25.2000 LB/GAL APPL. SOL	LAER
DOUBLE-WIDTH OVEN	6668.00 SCFM	VOC	12.9000 LB/GAL APPL. SOL OVEN EXHAUST INCIN.	90.00

NOTES -----

STAGED LAER CONCEPT PROVIDING FOR PHASE-IN OF NEW TECHNOLOGY AS IT IS DEVELOPED - PHASE 1, START UP USING LOW VOLTAGE ELECTROSTATIC PAINT SPRAYING AND OVEN EXHAUST INCINERATION; PHASE 2, INTRODUCTION OF HIGH VOLTAGE ELECTROSTATIC PAINT SPRAYING; PHASE 3, INTRODUCTION OF HIGH SOLIDS TOPCOAT ENAMELS BY 8/31/83.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

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SOURCE TYPE/SIZE---

SURFACE COATING - AUTO./LIGHT DUTY TRUCKS

COMPANY NAME/SITE LOCATION

FMC CORP. - SAN JOSE ORDINANCE

SAN JOSE, CA

DETERMINATION IS BACT FOR A NEW SOURCE.

PERMIT NO. 28310

DETERMINATION MADE BY

BAY AREA AQMD
(AGENCY)BRIAN BATEMAN
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 06/22/82

ESTIMATED DATE OF START-UP--

(415)-771-6000
(PHONE)

=====

PROCESSES SUBJECT
TO THIS PERMITTHROUGHPUT
CAPACITYPOLLUTANT
EMITTED

EMISSION LIMITS

CONTROL EQUIPMENT OR PROCESS MODIFICATION

... & BASIS

... PCT EFF

PAINT SPRAY BOOTH

18.00 GAL/D

VOC

190.0000 LB/D

SEE NOTE

NOTES -----

FILE A 350-011. AIRLESS ELECTROSTATIC SPRAYING OF 40% SOLIDS PAINT

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

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INITIAL REVIEW POST STARTUP

REVIEW STATUS: 04/19/1984

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ID NUMBER CA-0059

SOURCE TYPE CODE 4.3

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

=====

SOURCE TYPE/SIZE---

SURFACE COATING - AUTO./LIGHT DUTY TRUCKS

=====

COMPANY NAME/SITE LOCATION

FORD MOTOR CO.
MILAN PLASTICS PLANT

MILAN, MI

MONROE COUNTY

=====

DETERMINATION IS LAER FOR A NEW SOURCE.

PERMIT NO. 447-454/79 + 456/79

DETERMINATION MADE BY MICHIGAN DNR

(AGENCY)

GREGORY EDWARDS
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 01/01/80

ESTIMATED DATE OF START-UP-- 1985

(517)-322-1333

(PHONE)

=====

PROCESSES SUBJECT
TO THIS PERMITTHROUGHPUT
CAPACITYPOLLUTANT
EMITTED

EMISSION LIMITS

CONTROL EQUIPMENT OR PROCESS MODIFICATION

... & BASIS
... PCT EFF

ELECTROSTATIC PAINT SYS.

VOC

457.5000 LB/H

CATALYTIC INCINERATOR

ELECTROSTATIC SPRAY BOOTHS

LAER

95.00

COMPOUND MACHINES, DIRECTIONAL *

VOC

0.7400 LB/H

CARBON ADSORPTION

LAER

90.00

VOC

9.0700 LB/H

NONE

LAER

NOTES -----

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

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INITIAL REVIEW POST STARTUP

REVIEW STATUS: 04/01/1983 03/13/1984

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ID NUMBER MI-0017

SOURCE TYPE CODE 4.3

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

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=====
SOURCE TYPE/SIZE---      SURFACE COATING - AUTO./LIGHT DUTY TRUCKS      60.00 TRUCKS/H
-----
COMPANY NAME/SITE LOCATION  GM WORLD WIDE TRUCK DIV      MORaine, OH 45439
                           2601 WEST STROOP ROAD      MONTGOMERY COUNTY
-----
DETERMINATION IS LAER FOR A NEW SOURCE.
PERMIT NO. 08-215
DETERMINATION MADE BY      RAPCA - DAYTON,OH      GORBY LEE
                           (AGENCY)      (AGENCY CONTACT PERSON)
                                           DATE OF PERMIT ISSUANCE-- 05/13/80
                                           ESTIMATED DATE OF START-UP-- 1981
                                           (513)-225-4435
                                           (PHONE)
=====

```

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
ELPO PRIME	63.50 UNITS/H	VOC	1.2000 LB/GAL COATING MINUS H2O CATHODIC EDP	LAER
PRIMER SURFACER	63.50 UNITS/H	VOC	2.6800 LB/GAL COATING MINUS H2O 15.6400 LB/GAL VOC SOLIDS APPL WITH 62% TRANSFER EFFICIENCY	LAER
TOP COAT	63.50 UNITS/H	VOC	3.6000 LB/GAL COATING MINUS H2O 15.0500 LB/GAL VOC SOLIDS APPL WITH 59% TRANSFER EFFICIENCY	LAER
ANTI-CORROSION	63.50 UNITS/H	VOC	4.3000 LB/GAL COATING MINUS H2O WITH 90% TRANSFER EFFICIENCY	LAER
PLASTISOL/ANTI-CHIP	63.50 UNITS/H	VOC	3.5000 LB/GAL COATING MINUS H2O WITH 50% TRANSFER EFFICIENCY	LAER

(CONTINUED) GM WORLD WIDE TRUCK DIV

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
CHASSIS BLACK	63.50 JOB/H			
		VOC	3.5000 LB/GAL VOC MINUS H2O	
WHEEL PAINT	63.50 JOB/H			
		VOC	3.7000 LB/GAL VOC MINUS H2O	
MAST JACKET	63.50 JOB/H			
		VOC	6.3000 LB/GAL VOC MINUS H2O	
FINAL REPAIR	63.50 JOB/H			
		VOC	4.8000 LB/GAL VOC MINUS H2O	

NOTES -----

MISCELLANEOUS FUGITIVE VOC EMISSIONS ARE ESTIMATED TO TOTAL 488 TPY FROM THIS FACILITY.

TOTAL VOC EMISSIONS NOT TO EXCEED 2050 TPY

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983 02/13/1984

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

=====

SOURCE TYPE/SIZE---

SURFACE COATING - AUTO./LIGHT DUTY TRUCKS

=====

COMPANY NAME/SITE LOCATION VOLKSWAGEN OF AM
16 MILE ROAD & VAN DYKE AVENUE

STERLING HEIGHTS, MI 48077

OAKLAND COUNTY

=====

DETERMINATION IS BACT FOR A NEW SOURCE.

PERMIT NO. 250-80 TO 273-80, 3*

DETERMINATION MADE BY MICHIGAN DNR
(AGENCY)JON TROUT
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 06/01/80

ESTIMATED DATE OF START-UP--

(517)-322-1333

(PHONE)

=====

PROCESSES SUBJECT
TO THIS PERMITTHROUGHPUT
CAPACITYPOLLUTANT
EMITTED

EMISSION LIMITS

CONTROL EQUIPMENT OR PROCESS MODIFICATION

... & BASIS

... PCT EFF

=====

PAINTING OPERATIONS

VOC

SEE NOTE
SEE NOTES

=====

NOTES -----

CHECK WITH STATE FOR DETAILS. EMISSION LIMITS TOO EXTENSIVE TO MENTION HERE.

=====

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

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INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983 03/13/1984

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ID NUMBER MI-0007

SOURCE TYPE CODE 4.3

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

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SOURCE TYPE/SIZE---

SURFACE COATING - METAL FURNITURE

COMPANY NAME/SITE LOCATION

KINCAID FURNITURE CO., INC.

LENIOR, NC

DETERMINATION IS BACT FOR A MODIFIED SOURCE.

PERMIT NO. 5276

DETERMINATION MADE BY

NORTH CAROLINA DEM

(AGENCY)

MIKE SEWELL
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 10/17/83

ESTIMATED DATE OF START-UP-- 1984

(919)-733-7015

(PHONE)

=====

PROCESSES SUBJECT
TO THIS PERMITTHROUGHPUT
CAPACITYPOLLUTANT
EMITTED

EMISSION LIMITS

CONTROL EQUIPMENT OR PROCESS MODIFICATION ... & BASIS

... PCT EFF

FINISHING OPERATION

VOC

NONPHOTOCHEMICALLY REACTIVE FINISHING MATL.

BOILER, WOODWASTE, 2

11.60 MMBTU

VOC

GOOD OPERATING PRACTICES

NOTES -----

PSD ONLY FOR VOC EMISSIONS.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/19/1984

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ID NUMBER NC-0031

SOURCE TYPE CODE 4.4

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

=====

SOURCE TYPE/SIZE---

SURFACE COATING - METAL FURNITURE

COMPANY NAME/SITE LOCATION

STEELCASE, INC.
1120 36TH STREET

GRAND RAPIDS, MI 49501

KENT COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.

PERMIT NO. 51-80

DETERMINATION MADE BY

MICHIGAN DNR
(AGENCY)JOHN CAUDELL
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 06/01/80

ESTIMATED DATE OF START-UP-- 1981

(517)-322-1333

(PHONE)

=====

PROCESSES SUBJECT
TO THIS PERMITTHROUGHPUT
CAPACITYPOLLUTANT
EMITTED

EMISSION LIMITS

CONTROL EQUIPMENT OR PROCESS MODIFICATION

... & BASIS

... PCT EFF

BOILER, COAL FIRED, 2 EA 40000.00 LB/H

PM

0.0500 LB/MMBTU
CYCLONE & BAGHOUSE

99.00

SO2

1.6000 LB/MMBTU
LOW S COAL, MAX 1%

NOX

0.6000 LB/MMBTU
CONTROL EXCESS & OVERFIRE AIR

COAL & ASH HANDLING SYS.

PM

0.0300 GR/DSCF
FABRIC FILTER
DUST SUPPRESENT

NOTES -----

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983 03/13/1984

=====

PAGE G- 282 ID NUMBER MI-0018

SOURCE TYPE CODE 4.4

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

SOURCE TYPE/SIZE--- SURFACE COATING - MAGNET WIRE

COMPANY NAME/SITE LOCATION PHELPS DODGE, MAGNET WIRE CORP.
P.O. BOX 768

HOPKINSVILLE, KY 42440

CHRISTIAN COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.

PERMIT NO. C-75-16

DETERMINATION MADE BY

KENTUCKY DAPC
(AGENCY)BILL DILLS
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 03/25/75

ESTIMATED DATE OF START-UP-- 1976

(502)-564-3382

(PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
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OVENS, 4	1501.00 T/YR COATING	VOC	40.8000 LB/H 675.4900 T/YR INCINERATOR	90.00
OVENS, FINE WIRE, 10	165.00 T/YR COATING	VOC	4.5500 LB/H 19.1100 T/YR INCINERATOR	90.00
OVENS, 1 HEAVY & 1 MEDIAN WIRE	514.00 T/YR COATING	VOC	13.9600 LB/H 58.6000 T/YR INCINERATOR	90.00
OVENS, 6 HEAVY & 1 FINE WIRE	2158.00 T/YR COATING	VOC	31.3000 LB/H 85.9000 T/YR CATALYTIC (1350 F), THERMAL INCINERATOR	95.00
OVEN, 1 FINE WIRE	16.00 T/YR COATING	VOC	0.4550 LB/H 1.9100 T/YR	BACT

NOTES -----

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW	POST STARTUP
REVIEW STATUS: 04/01/1983	02/13/1984

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ID NUMBER KY-0035

SOURCE TYPE CODE 4.5

ALSO COVERS PERMIT NUMBERS C-75-23, C-77-75, C-78-60, C-79-013.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983 02/13/1984

PAGE G- 284

ID NUMBER KY-0035

SOURCE TYPE CODE 4.5

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

=====

SOURCE TYPE/SIZE---

SURFACE COATING - LARGE APPLIANCES

COMPANY NAME/SITE LOCATION

SANYO E&E CORP.
400 RUFFIN RD.

SAN DIEGO, CA 92123

DETERMINATION IS BACT FOR A MODIFIED SOURCE.

PERMIT NO. 07037

DETERMINATION MADE BY

SAN DIEGO APCD
(AGENCY)LORENZO ALEJANDRIA
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 08/21/81

ESTIMATED DATE OF START-UP-- 1979

(619)-565-3914

(PHONE)

=====

PROCESSES SUBJECT
TO THIS PERMITTHROUGHPUT
CAPACITYPOLLUTANT
EMITTED

EMISSION LIMITS

CONTROL EQUIPMENT OR PROCESS MODIFICATION ... & BASIS

... PCT EFF

COATING LINE 107.50 GAL/D

VOC

275.0000 G/LITER OF COATING

HIGH SOL. COAT. TO LOW SOL. COAT..

BACT

NOTES -----

AVERAGE SOLVENT CONTENT OF COATINGS USED BEFORE MODIFICATION WAS 365.9 G/LITER, & AFTER MODIFICATION, THE SOLVENT CONTENT OF NEW COATINGS IS 280 G/LITER (WITH 10% DEVIATION FOR UNSTANDARDIZED TEST METHOD USED & AGREED BY APCD).
COATING LINE INCLUDES ONE AUTOMATIC PAINT SPRAY BOOTH USING ELECTROSTATIC SPRAY DEVICES, TWO TOUCHUP SPRAY BOOTHS, ONE BAKING OVEN.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

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INITIAL REVIEW POST STARTUP

REVIEW STATUS: 04/01/1983

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ID NUMBER CA-0043

SOURCE TYPE CODE 4.6

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

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SOURCE TYPE/SIZE---

SURFACE COATING - MISC. METAL PARTS/PRODUCTS

COMPANY NAME/SITE LOCATION ALENCO DIVISION OF REDMAN BUILDING PROD* , TX

BRAZOS COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.

PERMIT NO. C-8696

DETERMINATION MADE BY

TEXAS ACB
(AGENCY)ART KELLOGG
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 04/17/81

ESTIMATED DATE OF START-UP-- 1981

(512)-451-5711

(PHONE)

=====

PROCESSES SUBJECT
TO THIS PERMITTHROUGHPUT
CAPACITYPOLLUTANT
EMITTED

EMISSION LIMITS

CONTROL EQUIPMENT OR PROCESS MODIFICATION

... & BASIS

... PCT EFF

PAINTING EXTRUSIONS 384.00 LB/H PAINT *

VOC

65.1000 LB/H

DIRECT FLAME INCINERATION

USE OF HIGH SOLIDS PAINT

68.00

NOTES -----

EFFICIENCY OF THE BAKE OVEN DIRECT FLAME INCINERATION IS ESTIMATED TO BE A MINIMUM OF 68%, PER FIG. 111 ON PG. 181 OF AP-40, B

UT IS THOUGHT TO BE GREATER. HOWEVER, NO SAMPLING WAS REQUIRED FOR THIS LOW EMISSION RATE.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 05/04/84

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ID NUMBER TX-0129

SOURCE TYPE CODE 4.7

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

=====

SOURCE TYPE/SIZE---

SURFACE COATING - MISC. METAL PARTS/PRODUCTS

COMPANY NAME/SITE LOCATION

AMERICAN METAL DECORATING CO.

FREMONT, CA

DETERMINATION IS BACT FOR A NEW SOURCE.

PERMIT NO. 27361

DETERMINATION MADE BY

BAY AREA AQMD

(AGENCY)

JOHN PHILLIPS
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 03/07/80

ESTIMATED DATE OF START-UP-- 1980

(415)-771-6000

(PHONE)

=====

PROCESSES SUBJECT
TO THIS PERMITTHROUGHPUT
CAPACITYPOLLUTANT
EMITTED

EMISSION LIMITS

CONTROL EQUIPMENT OR PROCESS MODIFICATION ... & BASIS

... PCT EFF

COATING LINE

91800.00 GAL/YR

VOC

250.0000 LB/D

FUME INCINERATOR

87.00

NOTES -----

FILE A 340-006

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP

REVIEW STATUS: 04/19/1984

=====

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ID NUMBER CA-0053

SOURCE TYPE CODE 4.7

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

SOURCE TYPE/SIZE--- SURFACE COATING - MISC. METAL PARTS/PRODUCTS

COMPANY NAME/SITE LOCATION MARK IND.

SELMA, TX

GUADALUPE COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.

PERMIT NO. X3697

DETERMINATION MADE BY

TEXAS ACB
(AGENCY)

RANDY HAMILTON
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 10/20/82

ESTIMATED DATE OF START-UP-- 1982

(512)-451-5711

(PHONE)

PROCESSES SUBJECT
TO THIS PERMIT

THROUGHPUT
CAPACITY

POLLUTANT
EMITTED

EMISSION LIMITS

CONTROL EQUIPMENT OR PROCESS MODIFICATION

... & BASIS
... PCT EFF

SPRAY BOOTHS, 2

VOC

7.6400 T/YR

ELECTROSTATIC PAINT GUNS/DRY FILTER
WATERBASE PAINT, HEATED, AIRLESS

90.00

NOTES -----

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

=====

SOURCE TYPE/SIZE---	SURFACE COATING - MISC. METAL PARTS/PRODUCTS	9.00 GAL/H	

COMPANY NAME/SITE LOCATION	SQUARE D CO. 5735 COLLEGE CORNER RD	OXFORD, OH	BUTLER COUNTY

DETERMINATION IS PERMIT NO. 18-184		DATE OF PERMIT ISSUANCE-- 01/25/84	
DETERMINATION MADE BY	SOUTHWEST OHIO APCA (AGENCY)	THOMAS TUCKER (AGENCY CONTACT PERSON)	ESTIMATED DATE OF START-UP-- 1984 (513)-251-8777 (PHONE)

=====

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

PAINT TANK, EDP	6000.00 SQF METAL/H	VOC	2.4000 LB/GAL COATING MINUS H2O 1.0000 LB/GAL WATERBASE COATINGS, ELECTRODEPOSITION
SPRAY BOOTH, TOUCH-UP PAINT		VOC	2.4000 LB/GAL COATINGS MINUS H2O 1.1400 LB/GAL WATERBASE COATINGS

NOTES -----

BACT DETERMINED BY TECHNOLOGY, ECONOMICS, & SOURCE SIZE.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS:

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

SOURCE TYPE/SIZE--- SURFACE COATING - MISC. METAL PARTS/PRODUCTS

COMPANY NAME/SITE LOCATION TIFTON ALUMINUM CO.

DELHI, LA

RICHLAND PARISH

DETERMINATION IS BACT FOR A NEW SOURCE.

PERMIT NO. PSD-LA-514

DETERMINATION MADE BY

LAQD/EPA REGION VI
(AGENCY)BHARAT CONTRACTOR
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 01/10/84

ESTIMATED DATE OF START-UP-- 1984

(504)-342-8940

(PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
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PAINTING, AUTOMATIC BOOTH, 4 EA	13440.00 ACFM	VOC	20.1000 LB/H MAX 6.25 LB/GAL VOC CONT. FOR COATING	BACT
PAINTING, TOUCH-UP BOOTH, 2 EA	9600.00 ACFM	VOC	0.9000 LB/H MAX 6.25 LB/GAL VOC CONT. FOR COATING	BACT
OVEN, FLASH-OFF	980.00 ACFM	VOC	17.4000 LB/H MAX 6.25 LB/GAL VOC CONT. FOR COATING	BACT
OVEN, BAKE	2870.00 ACFM	VOC	75.6000 LB/H MAX 6.25 LB/GAL VOC CONT. FOR COATING	BACT

NOTES -----

NO APPLICABLE NSPS, RACT, OR CTG. BACT IS BASED ON SURVEY OF ALL STATES IN US. THE BACT WILL BE RE- EVALUATED AFTER ONE YEAR O
F ACTUAL OPERATION.

INITIAL REVIEW POST STARTUP

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS:

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

```
=====
SOURCE TYPE/SIZE---      SURFACE COATING - FLATWOOD PANELING      63300.00 SQFT/H
-----
COMPANY NAME/SITE LOCATION  ABITIBI-PRICE CORP.      TOLEDO, OH 43607
                           2900 HILL AVE
-----
DETERMINATION IS LAER FOR A NEW SOURCE.
PERMIT NO. 04-204
DETERMINATION MADE BY      TOLEDO ENVIRONMENTAL SERVICE  DALE KRYGIELSKI
                           (AGENCY)              (AGENCY CONTACT PERSON)
                                           DATE OF PERMIT ISSUANCE-- 07/07/83
                                           ESTIMATED DATE OF START-UP-- 1980
                                           (419)-693-0350
                                           (PHONE)
=====

PROCESSES SUBJECT          THROUGHPUT          POLLUTANT          EMISSION LIMITS          ... & BASIS
TO THIS PERMIT             CAPACITY           EMITTED            CONTROL EQUIPMENT OR PROCESS MODIFICATION ... PCT EFF
-----
FLATWOOD PANELING          63300.00 SQF/H
                           VOC
                           2.4000 LB/MSQFT CLASS II HB
                           5.3300 LB/MSQFT CLASS I TB
                           INCINERATION OF SOME VOC EMISSIONS          59.00
                           H2O BASED COATINGS, LOW VOC HIGH SOLIDS COATINGS
=====
```

NOTES -----

FACILITY COATS EITHER HARDBOARD OR TILEBOARD BUT NOT BOTH AT THE SAME TIME. ORIGINAL PTI 04-108 ISSUED 01/78. REVISED PTI ISSUED 07/83. INCINERATION AND TOTAL SYSTEM EFFICIENCIES ARE LOWER ESTIMATES SINCE UNDETERMINED AMOUNTS OF FLASHOFF EMISSIONS ARE USED TO COOL THE INCINERATOR EXHAUST. CLASS II HARDBOARD HAS 62.8% CAPTURE EFFICIENCY AND 94.3% INCINERATION EFFICIENCY. CLASS I TILEBOARD HAS 57.2% CAPTURE EFFICIENCY AND 95.7% INCINERATION EFFICIENCY

```
=====
(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.
                                           INITIAL REVIEW  POST STARTUP
                                           REVIEW STATUS: 04/13/1984
=====
PAGE 6- 291                          ID NUMBER OH-0049A                          SOURCE TYPE CODE  4.8
=====
```

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

=====

SOURCE TYPE/SIZE---

SOLVENT DEGREASING

COMPANY NAME/SITE LOCATION

ALLOYTEK

GRANDVILLE, MI

DETERMINATION IS BACT FOR A NEW SOURCE.

PERMIT NO. 258-83A

DETERMINATION MADE BY

MICHIGAN DNR
(AGENCY)DAVID FERRIER
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 08/05/83

ESTIMATED DATE OF START-UP-- 1983

(517)-322-1333

(PHONE)

=====

PROCESSES SUBJECT
TO THIS PERMITTHROUGHPUT
CAPACITYPOLLUTANT
EMITTED

EMISSION LIMITS

CONTROL EQUIPMENT OR PROCESS MODIFICATION

... & BASIS
... PCT EFF

VAPOR DEGREASER

VOC

8.0000 LB/H

REFRIG. FREEBOARD W/COVER DURING DWN TIME

95.00

NOTES -----

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

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REVIEW STATUS: 04/19/1984

=====

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ID NUMBER MI-0033

SOURCE TYPE CODE 4.9

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

=====

SOURCE TYPE/SIZE---	SOLVENT DEGREASING		

COMPANY NAME/SITE LOCATION	BRIGGS & STRATTON CORP.	MENOMONEE FALLS, WI	

DETERMINATION IS LAER FOR A NEW SOURCE.			DATE OF PERMIT ISSUANCE-- 03/04/81
PERMIT NO. MAN-10-GEB-81-68-002			ESTIMATED DATE OF START-UP--
DETERMINATION MADE BY	WISCONSIN DNR	EMILIA ESTRADA	(608)-266-0244
	(AGENCY)	(AGENCY CONTACT PERSON)	(PHONE)

=====

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

DEGREASERS		VOC		LAER

NOTES -----

OFFSETS FOR NEW EQUIPMENT COVERED PERMIT, EXCLUDING RELOCATED EQUIPMENT AT 20% OBTAINED FROM DISCONTINUING DETREX LDC-750-1G, #57920, CONVEYERIZED DEGREASER LOCATED AT BRIGGS & STRATTON BURLEIGH ST PLANT, MILWAUKEE
DISCONTINUED CONVEYOR CREATED 73.62 TPY EMISSION REDUCTION, 19.49 TPY ASSIGNED TO OFFSET SOURCES UNDER MIN-05-80-68-126, 19.82 TPY ASSIGNED FOR OFFSETS THIS PERMIT, REMAINING 24.31 TPY BANKED

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

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DD FORM 10-80

SOURCE TYPE CODE 4.9

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

SOURCE TYPE/SIZE--- SOLVENT DEGREASING

COMPANY NAME/SITE LOCATION REGAL INTERNATIONAL, INC.

, TX

NAVARRO COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.

PERMIT NO. X-3641

DETERMINATION MADE BY

TEXAS ACB
(AGENCY)ART KELLOGG
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 09/22/82

ESTIMATED DATE OF START-UP-- 1978

(512)-451-5711

(PHONE)

PROCESSES SUBJECT
TO THIS PERMITTHROUGHPUT
CAPACITYPOLLUTANT
EMITTED

EMISSION LIMITS

CONTROL EQUIPMENT OR PROCESS MODIFICATION

... & BASIS
... PCT EFF

PAINT SPRAYING

49920.00 LB/YR

VOC

4.0000 T/YR

VAPOR DEGREASING

18480.00 LB/YR

VOC

1.1500 T/YR

COOLING COILS

NOTES -----

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP

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APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

SOURCE TYPE/SIZE--- GRAPHIC ARTS

COMPANY NAME/SITE LOCATION BEMIS CARPHANE FILMS

OSHKOSH, WI

DETERMINATION IS LAER FOR A NEW SOURCE.

PERMIT NO. MAN-10-EYE-81-71-083

DETERMINATION MADE BY WISCONSIN DNR
(AGENCY)EMILIA ESTRADA
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 08/25/81

ESTIMATED DATE OF START-UP--

(608)-266-0244

(PHONE)

PROCESSES SUBJECT
TO THIS PERMITTHROUGHPUT
CAPACITYPOLLUTANT
EMITTED

EMISSION LIMITS

CONTROL EQUIPMENT OR PROCESS MODIFICATION

... & BASIS

... PCT EFF

SARAN COATERS, 2 EA

VOC

0.3200 KG/L

2.6700 LB/GAL

LOW SOLVENT COATING

LAER

NOTES -----

OFFSET FROM SHUTDOWN OF #14 LAMINATOR AT CURWOOD, NEW LONDON

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

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ID NUMBER WI-0003

SOURCE TYPE CODE 4.12

APPENDIX -- DETAILED SOURCE LISTING

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SOURCE TYPE/SIZE--- GRAPHIC ARTS

COMPANY NAME/SITE LOCATION BEMIS CO.

OSHKOSH, WI

DETERMINATION IS LAER FOR A NEW SOURCE.

PERMIT NO. MAN-03-80-71-125

DETERMINATION MADE BY

WISCONSIN DNR
(AGENCY)EMILIA ESTRADA
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 11/13/80

ESTIMATED DATE OF START-UP--

(608)-266-0244

(PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
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FLEXOGRAPHIC PRINTING PRESS #8

VOC 85.0000 % REDUCTION
LOW SOLVENT COATINGS

LAER

EXTRUSION COATER #9

VOC 0.0900 KG/L
1.5600 LB/GAL
LOW SOLVENT COATINGS

LAER

LAMINATOR #16

VOC 0.1700 KG/L
1.4300 LB/GAL
LOW SOLVENT COATINGS

LAER

NOTES -----

OFFSET FROM CLOSING #1 SARAN COATER & LAMINATOR #11

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

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ID NUMBER WI-0002

SOURCE TYPE CODE 4.12

APPENDIX -- DETAILED SOURCE LISTING

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SOURCE TYPE/SIZE--- GRAPHIC ARTS

COMPANY NAME/SITE LOCATION BEMIS SPECIALTY FILMS

OSHKOSH, WI

DETERMINATION IS LAER FOR A NEW SOURCE.

PERMIT NO. MAN-10-EYE-81-71-082

DETERMINATION MADE BY WISCONSIN DNR
(AGENCY)EMILIA ESTRADA
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 12/21/81

ESTIMATED DATE OF START-UP--

(608)-266-0244

(PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
LAMINATOR #17		VOC	0.0400 KG/L COATING 0.3300 LB/GAL LOW SOLVENT COATINGS	LAER
COATER #10		VOC	0.0300 KG/L COATING 0.2500 LB/GAL LOW SOLVENT COATINGS	LAER
COATER #11		VOC	0.2100 KG/L 1.7700 LB/GAL LOW SOLVENT COATINGS	LAER
FLEXOPRESS COATER #2		VOC	18.0000 % VOC VOL. IN INK LOW SOLVENT COATINGS	LAER

NOTES -----

OFFSET FROM SHUTDOWN OF #14 LAMINATOR & #2 SARAN COATER AT CURWOOD, NEW LONDON

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

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ID NUMBER WI-0004

SOURCE TYPE CCDE 4.12

05/22/1984

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
ROTOGRAVURE PRINTING PRESS	102.00 GAL/H INK	VOC	102.0000 GAL/H INK CARBON ADSORPTION	LAER 97.00

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

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APPENDIX -- DETAILED SOURCE LISTING

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SOURCE TYPE/SIZE--- GRAPHIC ARTS

COMPANY NAME/SITE LOCATION COLUMBUS COATED FABRICS

COLUMBUS, OH

DETERMINATION IS LAER FOR A MODIFIED SOURCE.
PERMIT NO. 01-415

DATE OF PERMIT ISSUANCE-- 04/29/81
ESTIMATED DATE OF START-UP--

DETERMINATION MADE BY OHIO EPA CD
(AGENCY)

VICTOR FISHER
(AGENCY CONTACT PERSON)

(614)-864-3195
(PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
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INTA-ROTO HL-41 PRINTER

7.00 MMYD/YR

VOC

4.8000 LB/GAL VINYL

2.9000 LB/GAL INK

COAT COMPOSIT.<25% SOLV,BY VOL

BACT

70.00

NOTES -----

LIMITS IMPOSED BY PERMIT TO INSTALL, WHICH ALSO REQUIRES NEW PERMIT APPLICATION IF SOLVENT COMPOSITION OR SCHEDULE ARE CHANGED

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

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APPENDIX -- DETAILED SOURCE LISTING

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SOURCE TYPE/SIZE---	GRAPHIC ARTS	360.00 T/YR

COMPANY NAME/SITE LOCATION	CONTAINER CORP. OF AM	MUNCIE, IN

DETERMINATION IS BACT FOR A NEW SOURCE.		DATE OF PERMIT ISSUANCE-- 10/31/80
PERMIT NO. PC(18)1477		ESTIMATED DATE OF START-UP--
DETERMINATION MADE BY	INDIANA APCD	(317)-633-0664
	(AGENCY)	(PHONE)
	FRANK PROFIT	
	(AGENCY CONTACT PERSON)	

=====

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

ROTOGRAVURE PRINT PRESS	362.00 T/YR VOC	VOC	36.0000 T/YR FUME INCINERATOR	90.00

NOTES -----
OPERATES 6240 HRS/YEAR

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

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APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

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=====
SOURCE TYPE/SIZE---    GRAPHIC ARTS                                1073.30 LB/H
-----
COMPANY NAME/SITE LOCATION  CPS INDUSTRIES                                FRANKLIN, TN
                                           WILLIAMSON COUNTY
-----
DETERMINATION IS LAER FOR A NEW SOURCE.
PERMIT NO. (REGION FILE NO.) PSD-TN-069
DETERMINATION MADE BY    TENNESSEE APCD
                           (AGENCY)
                           ANN NIELSON
                           (AGENCY CONTACT PERSON)
                           DATE OF PERMIT ISSUANCE--
                           ESTIMATED DATE OF START-UP--
                           (615)-741-3651
                           (PHONE)
=====
  
```

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
CERUTTI & HELIX PRESSES, 5	1073.30 LB/H TOTAL	VOC	128.1100 LB/H SOLVENT REC. SYS & CARBON. BED	LAER 84.00

NOTES -----

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

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APPENDIX -- DETAILED SOURCE LISTING

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SOURCE TYPE/SIZE---	GRAPHIC ARTS	2400.00 T/YR	

COMPANY NAME/SITE LOCATION	DIVERSIFIED PRINTING DICKSON CORAMY INDUSTRIAL PARK	BACKSON, TN 37055	DICKSON COUNTY

DETERMINATION IS LAER FOR A NEW SOURCE.		DATE OF PERMIT ISSUANCE-- 03/10/81	
PERMIT NO. PSD-TN-069		ESTIMATED DATE OF START-UP-- 1982	
DETERMINATION MADE BY	TENNESSEE APCD	ANGIE PITCOCK	(615)-741-3651
	(AGENCY)	(AGENCY CONTACT PERSON)	(PHONE)

=====

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

PRINTING		VOC	2400.0000 T/YR CARBON ADSORPTION	LAER 84.00

NOTES -----

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

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APPENDIX -- DETAILED SOURCE LISTING

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SOURCE TYPE/SIZE---	GRAPHIC ARTS	2000.00 FT/MIN
---------------------	--------------	----------------

COMPANY NAME/SITE LOCATION	R. J. R. ARCHER, INC. 220 E. POLO RD	WINSTON-SALEM, NC
----------------------------	---	-------------------

DETERMINATION IS BACT FOR A MODIFIED SOURCE.		DATE OF PERMIT ISSUANCE--
PERMIT NO. 00466-0005-P		ESTIMATED DATE OF START-UP--
DETERMINATION MADE BY	FORSYTH COUNTY ENV. AFFAIRS KEITH TART	(919)-727-8060
	(AGENCY)	(PHONE)

=====

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
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ROTOGRAVURE PRESS	2630.00 LB/H PAPER	VOC	341.0000 LB/H CARBON ADSORB. SYS & RECOVERY SYS	69.00
-------------------	--------------------	-----	--	-------

NOTES -----

LOCAL PERMIT TO CONSTRUCT WAS NOT ISSUED. R.J.R. ARCHER, INC. REQUESTED TERMINATION OF PSD EVALUATION BECAUSE THEY CONTROLLED THE MAJORITY OF THE EXISTING PLANT AND THE OFFSET GENERATED WOULD ELIMINATE THE REQUIREMENTS OF A PSD ANALYSIS.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

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ID NUMBER NC-0026

SOURCE TYPE CODE 4.12

APPENDIX -- DETAILED SOURCE LISTING

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=====
SOURCE TYPE/SIZE---    GRAPHIC ARTS                                3368.00 T/YR EA
-----
COMPANY NAME/SITE LOCATION  R.R. DONNELLEY & SONS CO.                MATTOON, IL
                                           COLES COUNTY
-----
DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. EPA-5-A-80-17
DETERMINATION MADE BY    EPA REGION V                BONIFACE THAYIL
                        (AGENCY)                (AGENCY CONTACT PERSON)
                                           DATE OF PERMIT ISSUANCE-- 03/18/80
                                           ESTIMATED DATE OF START-UP-- 1981
                                           (312)-886-6054
                                           (PHONE)
=====
  
```

```

=====
PROCESSES SUBJECT      THROUGHPUT    POLLUTANT    EMISSION LIMITS      ... & BASIS
TO THIS PERMIT          CAPACITY      EMITTED      CONTROL EQUIPMENT OR PROCESS MODIFICATION ... PCT EFF
-----
ROTOGRAVURE PRESSES, 2 EA    3368.00 T/YR
                                VOC          212.0000 T/YR
                                CARBON ABSORBER
                                           BACT
                                           95.00
  
```

NOTES -----
 OPERATING HOURS MAX. 7280 HRS/YR

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

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APPENDIX -- DETAILED SOURCE LISTING

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SOURCE TYPE/SIZE---	GRAPHIC ARTS	5860.00 LB/H
---------------------	--------------	--------------

COMPANY NAME/SITE LOCATION	SOUTHWEST COLOR PRINTING CORP.	, TX	ANGELINA COUNTY
----------------------------	--------------------------------	------	-----------------

DETERMINATION IS BACT FOR A NEW SOURCE.		DATE OF PERMIT ISSUANCE--	09/22/82
PERMIT NO. C-9131		ESTIMATED DATE OF START-UP--	1983
DETERMINATION MADE BY	TEXAS ACB	ART KELLOGG	(713)-634-3357
	(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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OFFSET PRINTERS, 2	5860.00 LB/H PRODUC*	VOC	204.0000 T/YR SEE NOTE	
		NOX	3.5000 T/YR SEE NOTE	

NOTES -----

NOTE-THESE EMISSION LIMITS ARE WITHOUT CONTROLS. IN LIEU OF ADD-ON CONTROL DEVICES THIS SOURCE IS REQUIRED TO CONVERT TO HIGH-SOLIDS OR WATER-BORNE INKS WHEN THEY ARE DEMONSTRATED TO BE SATISFACTORY FOR USE IN THE INDUSTRY.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

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APPENDIX -- DETAILED SOURCE LISTING

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=====

SOURCE TYPE/SIZE---	GRAPHIC ARTS	32.00 LB/H INK	

COMPANY NAME/SITE LOCATION	UNITED COLOR PRESS 351 GARVER RD	MONROE, OH	BUTLER COUNTY

DETERMINATION IS PERMIT NO. 18-176 DETERMINATION MADE BY	SOUTHWEST OHIO APCA (AGENCY)	RAY SILBERNAGEL (AGENCY CONTACT PERSON)	DATE OF PERMIT ISSUANCE-- 09/17/83 ESTIMATED DATE OF START-UP-- 1983 (513)-251-8777 (PHONE)

=====

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

OVEN & PRESS, TITAN	32.00 LB/H INK	VOC	90.0000 % CONTROL CATALYTIC INCINERATOR	TECH 92.00

NOTES -----

92% DESTRUCTION EFFICIENCY DEMONSTRATED, CAPTURE EFFICIENCY UNDETERMINED. THE SOURCE WAS MOVED FROM PREVIOUS LOCATION, TRIGGERING NEW SOURCE REVIEW REQUIREMENTS.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
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APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

SOURCE TYPE/SIZE--- GRAPHIC ARTS

COMPANY NAME/SITE LOCATION WORLD COLOR PRESS

SALEM, IL

MARION COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.

PERMIT NO. C 80 10 0006

DETERMINATION MADE BY

ILLINOIS EPA
(AGENCY)CHRIS ROMAINE
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 01/13/82

ESTIMATED DATE OF START-UP-- 1980

(217)-782-2113

(PHONE)

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

VOC	336.0000 T/YR			BACT
			CARBON ADSORPTION SYSTEM	94.00

OFFSET PRESSES

VOC	251.0000 T/YR			BACT
			AFTERBURNER SYSTEM OR EQUIVALENT SYSTEM	90.00

NOTES -----

1.BACT RETROSPECTIVELY APPLIED WHEN PSD PROJECT BROUGHT TO LIGHT BY APPLICANT. 2.EFFECTIVENESS OF AFTERBURNERS FOR OFFSET PRESSES IS BEING INVESTIGATED WITH TRIAL PROGRAM ON ONE PRESS TO BE CONCLUDED 9/84. EVALUATING ADD ON CONTROLS VS. REDUCTIONS ACHIEVED THROUGH REFORMULATION OF INK AND FOUNTAIN SOLUTION. LIMITS WILL BE ADJUSTED ACCORDINGLY.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

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ID NUMBER IL-0017

SOURCE TYPE CODE 4.12

05/22/1984

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BOILERS, 2	60.00 MMBTU/H	PM	0.1000 LB/MMBTU BOILER DESIGN	NSPS
		SO2	246.0000 LB/H 0.8000 LB/MMBTU BOILER DESIGN	NSPS
CARBON BED ADSORPTION UNIT	513.00 LB/H VOC	VOC	39.0000 LB/H CARBON ADSORPTION SYSTEM	LAER 95.00
		CO		
		NOX	0.3000 LB/MMBTU BOILER DESIGN	NSPS

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SOURCE TYPE CODE 4.12

APPENDIX -- DETAILED SOURCE LISTING

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=====
SOURCE TYPE/SIZE---      OTHER ORGANIC EVAPORATION LOSS      300.00 GAL TOPCOAT/D
-----
COMPANY NAME/SITE LOCATION  BROYHILL FURNITURE      NEWTON, NC      CATAWBA COUNTY
-----
DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. NC-035
DETERMINATION MADE BY      NORTH CAROLINA DEM      MIKE SEWELL      DATE OF PERMIT ISSUANCE--
                           (AGENCY)                (AGENCY CONTACT PERSON)  ESTIMATED DATE OF START-UP--
                                           (PHONE)
=====
  
```

```

=====
PROCESSES SUBJECT          THROUGHPUT          POLLUTANT          EMISSION LIMITS          ... & BASIS
TO THIS PERMIT             CAPACITY           EMITTED            CONTROL EQUIPMENT OR PROCESS MODIFICATION ... PCT EFF
-----
SPRAY BOOTHS
                           VOC      688.0000 T/YR      NONE      BACT
                           EQUIPMENT DESIGN & OPERATION
  
```

NOTES -----
11 SPRAY BOOTHS

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

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APPENDIX -- DETAILED SOURCE LISTING

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SOURCE TYPE/SIZE--- OTHER ORGANIC EVAPORATION LOSS

COMPANY NAME/SITE LOCATION FLUORESCENT EQUIPMENT & MFG CO. BEDFORD HTS, OH 44146

DETERMINATION IS BASED FOR A NEW SOURCE.

PERMIT NO. 13-1133
 DETERMINATION MADE BY CLEVELAND DAPC
 (AGENCY)
 IKE HABIB
 (AGENCY CONTACT PERSON)
 DATE OF PERMIT ISSUANCE-- ESTIMATED DATE OF START-UP--
 (216)-664-3508
 (PHONE)

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

COATING LINE, LIGHT FIXTURES 1000.00 LB/H VOC 0.2500 T/YR

NOTES

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.
 REVIEW STATUS: INITIAL REVIEW POST STARTUP

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

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=====
SOURCE TYPE/SIZE---      OTHER ORGANIC EVAPORATION LOSS
-----
COMPANY NAME/SITE LOCATION  GUARDIAN INDUSTRIES CORP.                      , TX
                                                                    NAVARRO COUNTY
-----
DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. X-4293
DETERMINATION MADE BY      TEXAS ACB      ROBERT MAUEL      DATE OF PERMIT ISSUANCE-- 06/08/83
                           (AGENCY)      (AGENCY CONTACT PERSON)  ESTIMATED DATE OF START-UP-- 1983
                                                                    (512)-451-5711
                                                                    (PHONE)
=====
  
```

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
COATING APPLICATOR		VOC	NONE VACUUM SPUTTERING MACHINE	

NOTES -----

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

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APPENDIX -- DETAILED SOURCE LISTING

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SOURCE TYPE/SIZE--- OTHER ORGANIC EVAPORATION LOSS

COMPANY NAME/SITE LOCATION MEREDITH CORP. DES MOINES, IA

DETERMINATION IS BACT FOR A MODIFIED SOURCE.

DATE OF PERMIT ISSUANCE-- 04/15/82

PERMIT NO.

ESTIMATED DATE OF START-UP--

DETERMINATION MADE BY

EPA REGION VII
(AGENCY)

STEVE KOVAC
(AGENCY CONTACT PERSON)

(816)-374-6525
(PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
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ROTOGRAVURE PRINTING PRESS	1614.00 LB/H SOLVENT	VOC	16.0000 % VOL SOLVENT USED SOLVENT RECOVERY SYSTEM	95.00
FLEXOGRAPHIC PRINTER				

NOTES -----

THE FLEXOGRAPHIC PRINTER SHALL NOT USE A RAW INK (OR RELATED COATING) WITH A RATIO OF VOC VOLUME CONTENT TO SOLIDS VOLUME CONTENT WHICH IS GREATER THAN 0.64 NOR SHALL RAW INK BE DILUTED WITH ANYTHING OTHER THAN WATER ADDITION.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

SOURCE TYPE/SIZE--- OTHER ORGANIC EVAPORATION LOSS

COMPANY NAME/SITE LOCATION MR. SPA, INC.

CAMARILLO, CA

VENTURA COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.

PERMIT NO. 1240-1

DATE OF PERMIT ISSUANCE-- 09/08/83

ESTIMATED DATE OF START-UP-- 1983

DETERMINATION MADE BY

VENTURA COUNTY APCD
(AGENCY)KEITH DUVAL
(AGENCY CONTACT PERSON)(805)-654-2664
(PHONE)PROCESSES SUBJECT
TO THIS PERMITTHROUGHPUT
CAPACITYPOLLUTANT
EMITTED

EMISSION LIMITS

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

FIBERGLASS-POLYESTER RESIN APPL* 3093.00 LB/D RESIN

VOC 120.0000 LB/D
SEE NOTE

NOTES -----

FILE A 340-A013. INCREASE STYRENE CONTENT IN GEL COAT TO ELIMINATE NEED FOR ACETONE DILUTION, USE OF FILLER MATERIAL IN RESIN
FOR DISPLACEMENT, VAPOR SUPPRESSANT IN RESIN.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/26/1984

PAGE G- 313

ID NUMBER CA-0060

SOURCE TYPE CODE 4.14

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

SOURCE TYPE/SIZE--- OTHER ORGANIC EVAPORATION LOSS

COMPANY NAME/SITE LOCATION PPG INDUSTRIES, INC.
3800 WEST 143 ST.

CLEVELAND, OH 44111

DETERMINATION IS BACT FOR A NEW SOURCE.

PERMIT NO. 13/18/00/0101, SEE N*

DETERMINATION MADE BY CLEVELAND DAPC
(AGENCY)IKE HABIB
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 01/06/84

ESTIMATED DATE OF START-UP-- 1984

(216)-664-3508
(PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
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ENTIRE PLANT, SEE NOTE #2

VOC

THERMAL INCINERATOR SYSTEM

90.00

ODOR

THERMAL INCINERATOR SYSTEM

90.00

FUGITIVE EMISSIONS

PM

898.0000 T/YR

UNCONTROLLED

NOTES -----

NOTE - SOURCE # P001-P004, P008-P010, P013-P015, P017, P019-P022, P024- P029, P032, P033, P035-P040, P043-P046, & T116-T122. N
OTE #2 - INCLUDES SAND MILLS, ATTRITION MILLS, COWLES & HOCKMEYER MIXERS, BATCH BLENDING TANKS,
TANK & TOTE BIN CLEANING BOOTHS.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS:

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

SOURCE TYPE/SIZE--- OTHER ORGANIC EVAPORATION LOSS

COMPANY NAME/SITE LOCATION ROCKWELL INTERNATIONAL

TULSA, OK

DETERMINATION IS BACT FOR A NEW SOURCE.

DATE OF PERMIT ISSUANCE-- 07/08/80

PERMIT NO. T80-43

ESTIMATED DATE OF START-UP-- 1981

DETERMINATION MADE BY

TULSA CITY-COUNTY HEALTH DEPT BILL GIBBONS
(AGENCY) (AGENCY CONTACT PERSON)

(918)-744-1000
(PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
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CHEM MASKANT ON ACFT SKINS	NOTE #1	VOC	202.0000 T/YR UNCONT.,NOTE#2 CARBON ADSORPTION	90.00
BOND PRIME, PRIME & ENAMEL COAT*	NOTE #1	VOC	18.4000 T/YR UNCONT.,NOTE#2 3.4000 T/YR CONT.,NOTE#2 CARBON ADSORPTION UNITS	80.00

NOTES -----

- 1) MASKANT & COATINGS RELATED TO COMMERCIAL AIRCRAFT BODY SECTION PRODUCTION, PERMIT LIMITS PRODUCTION TO 144 SHIP SETS PER YE AR.
- 2) BATCH TYPE COATINGS OPERATIONS NEGATES MEANINGFUL HOURLY EMISSION RATE.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

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SOURCE TYPE/SIZE---

OTHER ORGANIC EVAPORATION LOSS

COMPANY NAME/SITE LOCATION

SOLVENT RESOURCE RECOVERY

WEST CARROLLTON, OH

DETERMINATION IS LAER FOR A NEW SOURCE.

PERMIT NO. 0857751346 P004

DETERMINATION MADE BY

RAPCA - DAYTON, OH
(AGENCY)GORBY LEE
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 07/07/82

ESTIMATED DATE OF START-UP-- 1982

(513)-225-4435

(PHONE)

=====

PROCESSES SUBJECT
TO THIS PERMITTHROUGHPUT
CAPACITYPOLLUTANT
EMITTED

EMISSION LIMITS

CONTROL EQUIPMENT OR PROCESS MODIFICATION

... & BASIS

... PCT EFF

DISTILLATION UNIT

300000.00 GAL/YR

VOC

1.2700 LB/D

0.1600 T/YR

CONDENSORS

99.99

NOTES -----

DISTILLATION UNIT IS OPERATED WITH CONDENSORS WHICH ARE 150% OF DESIGN CAPACITY.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983 02/13/1984

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ID NUMBER OH-0044

SOURCE TYPE CODE 4.14

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

SOURCE TYPE/SIZE--- OTHER ORGANIC EVAPORATION LOSS

COMPANY NAME/SITE LOCATION U.S. AVIEX CO.
1800 TERMINAL ROAD

NILES, MI 49120

DETERMINATION IS BACT FOR A NEW SOURCE.

PERMIT NO. 260-83

DETERMINATION MADE BY

MICHIGAN DNR
(AGENCY)ASAD KHAN
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 10/14/83

ESTIMATED DATE OF START-UP-- 1983

(517)-322-1333

(PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
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CONTAMINATED GROUND WATER CLEAN* 200.00 GPM

1,1*	16.9100 MG/CU METER			
	3 - 1000 CFM CAP. ADSORPTION UNITS			90.00
CAR*	5.3400 MG/CU METER			
TRI*	2.6700 MG/CU METER			
CHL*	0.0900 MG/CU METER			
VOC	28.4700 MG/CU METER			

NOTES -----

VOC DETERMINED BY BACT REQUIREMENTS PER STATE REGULATIONS.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/19/1984

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

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SOURCE TYPE/SIZE---	PETROLEUM REFINING - SEPARATION	450.00 MMBTU/H

COMPANY NAME/SITE LOCATION	ARCO PETROLEUM PROD. CO.	CARSON, CA

DETERMINATION IS BACT FOR A MODIFIED SOURCE.		DATE OF PERMIT ISSUANCE-- 04/06/79
PERMIT NO. (REGION FILE NO.) LA-78-17		ESTIMATED DATE OF START-UP--
DETERMINATION MADE BY	EPA REGION IX	(415)-974-8058
	(AGENCY)	(PHONE)
	RICK SUGAREK	
	(AGENCY CONTACT PERSON)	

=====

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

DISTIL. UNIT, REPLACEMENT CRUDE	450.00 MMBTU/H HEA*	SO2	800.0000 PPM S REFIN. GAS 0.2500 % S FUEL OIL SULFUR-IN-FUEL	

NOTES -----

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW	POST STARTUP
REVIEW STATUS: 04/01/1983	04/04/1984

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

SOURCE TYPE/SIZE--- PETROLEUM REFINING - SEPARATION

COMPANY NAME/SITE LOCATION GULF STATES OIL & REFINING CO.

CORPUS CHRISTI, TX

NUECES COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.

PERMIT NO. 8452

DETERMINATION MADE BY

TEXAS ACB
(AGENCY)STUART KEIL
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 12/04/80

ESTIMATED DATE OF START-UP-- 1981

(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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HEATERS, 4	109.00 MMBTU/H	SO2	32.9000 T/YR NONE - LOW SULFUR FUELS	BACT
FUGITIVE EMISSIONS		NOX	19.5000 T/YR	AP42
		VOC	3.1000 T/YR MONITORING & MAINTENANCE	BACT 75.00
VAC. COLUMN EJECTOR	16000.00 B/D FEED	VOC	NONE VAPORS TO FUEL SYSTEM	100.00

NOTES -----

VACUUM COLUMN VAPORS ROUTED TO FUEL SYSTEM, STEAM CONDENSATE TO DESALTER. CONSIDERED AS A CLOSED SYSTEM.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

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ID NUMBER TX-0087

SOURCE TYPE CODE 5.1

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

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SOURCE TYPE/SIZE---	PETROLEUM REFINING - SEPARATION	400.00 MMBTU/H

COMPANY NAME/SITE LOCATION	THE DOW CHEMICAL CO.	FREEPORT, TX
		BRAZORIA COUNTY

DETERMINATION IS BACT		DATE OF PERMIT ISSUANCE-- 12/03/81
PERMIT NO. (REGION FILE NO.)	PSD-TX-405	ESTIMATED DATE OF START-UP--
DETERMINATION MADE BY	EPA REGION VI	(214)-767-1594
	(AGENCY)	(PHONE)
	JOHN BUNYAK	:
	(AGENCY CONTACT PERSON)	

=====

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

2 VACUUM DISTALL. UNITS, GAS	200.00 MMBTU/H EA	SO2	0.0270 LB/MMBTU LIMIT H2S TO 0.10 GR/DSCF	NSPS
		NOX	0.1200 LB/MMBTU COM. AIR CONT. BY BURN. DESIGN	BACT

NOTES -----

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

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SOURCE TYPE/SIZE---	PETROLEUM REFINING - CONVERSION	55000.00 BBL/D

COMPANY NAME/SITE LOCATION	ASHLAND OIL, INC.	LEACH, KY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.		DATE OF PERMIT ISSUANCE-- 09/21/82
PERMIT NO. C-82-127 SEE NOTE		ESTIMATED DATE OF START-UP-- 1983
DETERMINATION MADE BY	KENTUCKY DAPC	(502)-564-3382
	(AGENCY)	(PHONE)
	BILL DILLS	
	(AGENCY CONTACT PERSON)	

=====

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

CRACKER, REDUCED CRUDE W/2 FB C*	800.00 MMBTU/H			
		PM	68.0000 LB/H	LAER
			298.0000 T/YR	
			FABRIC FILTER	99.70
		CO	300.0000 PPM	BACT
			2234.0000 T/YR	
			AFTER BURNER	93.70
		SO2	250.0000 PPM	LAER
			4260.0000 T/YR	
			DRY LIME INJ.	92.90
		NOX	0.2000 LB/MMBTU	BACT
			713.0000 T/YR	
		VOC	65.0000 T/YR	LAER
			PROCESS CHANGE	66.20

NOTES -----

NOTE -- C-82-127 WAS NOT A NSR/PSD PERMIT. IT MODIFIED FACILITIES BEING CONSTRUCTED UNDER PERMIT C-80-127 ISSUED 12/01/80 WHICH WAS BOTH NSR & PSD.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983 02/13/1984

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

SOURCE TYPE/SIZE--- PETROLEUM REFINING - CONVERSION

COMPANY NAME/SITE LOCATION CHAMPLIN PETROLEUM CO.

WILMINGTON, CA

DETERMINATION IS BACT FOR A MODIFIED SOURCE.

DATE OF PERMIT ISSUANCE-- 03/24/80

PERMIT NO. LA-79-05

ESTIMATED DATE OF START-UP--

DETERMINATION MADE BY

EPA REGION IX
(AGENCY)

LARRY BOWERMAN
(AGENCY CONTACT PERSON)

(415)-974-8213
(PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
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FCC UNIT	30000.00 BBL/D			
----------	----------------	--	--	--

SO2	84.0000 LB/H 2H AV 56.0000 LB/H 24H AV SULFUR SCAVENGING ZEOLITE CATALYST DESULFURIZATION OF FEED TO 0.2% S
-----	--

ALKYLATION UNIT, HYDROFLUORIC A*	8500.00 BBL/D			
----------------------------------	---------------	--	--	--

SO2	230.0000 MG/DSCM H2S 0.1000 GR/DSCF SULFUR IN FUEL
-----	--

CATALYTIC POLYMERIZATION UNIT	3500.00 BBL/D			
-------------------------------	---------------	--	--	--

SO2	230.0000 MG/DSCM H2S 0.1000 GR/DSCF SULFUR IN FUEL
-----	--

NOTES -----

0.2% S FEED. -- FLUIDIZED CATALYTIC CRACKING UNIT

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983 04/04/1984

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

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SOURCE TYPE/SIZE---      PETROLEUM REFINING - CONVERSION      22.50 MMBL/D
-----
COMPANY NAME/SITE LOCATION  CHAMPLIN PETROLEUM CO.      CORPUS CHRISTI, TX
                           UP RIVER ROAD/SOUTHERN      NUECES COUNTY
-----
DETERMINATION IS BACT FOR A MODIFIED SOURCE.      DATE OF PERMIT ISSUANCE-- 11/13/81
PERMIT NO. (REGION FILE NO.) PSD-TX-408      ESTIMATED DATE OF START-UP--
DETERMINATION MADE BY      EPA REGION VI      TOM DIGGS      (214)-767-1594
                           (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
COKER HEATER	278.00 MMBTU/H	NOX	0.1800 LB/MMBTU LOW NOX BURN. & EXCESS AIR	BACT
		SO2	0.0290 LB/MMBTU 0.1 GR/DSCF H2S IN FUEL GAS	NSPS
HEATER, KEROSENE HYDROTREATER C*	24.00 MMBTU/H	NOX	0.1200 LB/MMBTU LOW NOX BURN. & EXCESS AIR	BACT
		SO2	0.0330 LB/MMBTU 0.1 GR/DSCF H2S IN FUEL GAS	NSPS
HEATER, KEROSENE HYDROTREATER R*	25.00 MMBTU/H	NOX	0.1200 LB/MMBTU LOW NOX BURN. & EXCESS AIR	BACT
		SO2	0.0320 LB/MMBTU 0.1 GR/DSCF H2S IN FUEL GAS	NSPS
HEATER, MIXED DIST. HYDROTREATE*	49.00 MMBTU/H	NOX	0.1200 LB/MMBTU LOW NOX BURN. & EXCESS AIR	BACT
		SO2	0.0310 LB/MMBTU 0.1 GR/DSCF H2S IN FUEL GAS	NSPS

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

 INITIAL REVIEW POST STARTUP
 REVIEW STATUS: 04/01/1983

NOTES -----

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

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ID NUMBER TX-0018

SOURCE TYPE CCDE 5.2

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

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=====
SOURCE TYPE/SIZE---      PETROLEUM REFINING - CONVERSION      6100.00 BBL/D
-----
COMPANY NAME/SITE LOCATION CHEVRON                        RICHMOND, CA
-----
DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. 27803
DETERMINATION MADE BY    BAY AREA AQMD                JOHN SWANSON
                        (AGENCY)                      (AGENCY CONTACT PERSON)
                                                    DATE OF PERMIT ISSUANCE-- 10/06/81
                                                    ESTIMATED DATE OF START-UP-- 1983
                                                    (415)-771-6000
                                                    (PHONE)
=====
  
```

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=====
PROCESSES SUBJECT      THROUGHPUT      POLLUTANT      EMISSION LIMITS      ... & BASIS
TO THIS PERMIT          CAPACITY      EMITTED      CONTROL EQUIPMENT OR PROCESS MODIFICATION ... PCT EFF
-----
FCC                      61000.00 BPD
                        PM          10.0000 LB/H
                        240.0000 LB/D
                        2 PARALLEL ESP'S
                                           94.00
  
```

NOTES -----
 ESP COST \$9600000. FILE A 350-009

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
 REVIEW STATUS: 04/19/1984

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

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=====
SOURCE TYPE/SIZE---      PETROLEUM REFINING - CONVERSION      45.00 MBPSD
-----
COMPANY NAME/SITE LOCATION EXXON CO., USA/BAYWAY REFIN.      LINDEN, NJ 07036      UNION COUNTY
                           1400 PARK AVENUE
-----
DETERMINATION IS B/L      DATE OF PERMIT ISSUANCE-- 10/27/80
PERMIT NO.                ESTIMATED DATE OF START-UP--
DETERMINATION MADE BY     EPA REGION II      LARRY KARAS      (212)-264-9538
                           (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
-----
PROCESS HEATER
                           VOC      5.1000 T/YR      02 ANALYZER/EFFICIENT COMBUSTION      LAER
                           NOX      1663.0000 T/YR      CONVENTIONAL BURNERS      BACT
                           SO2      195.4000 T/YR      SCRUBBER & SULFUR PLANT      BACT
                           .1 GR/DSCF H2S-FLUEGAS/.5% S BY WT. FUEL OIL
HYDROFINER POWER FORMER
                           VOC      2.5000 T/YR      FURNACE BURNER      LAER
                           SO2      4416.6000 T/YR      3 CLAUS & 1 PARSON BEAVON UNITS      BACT
TANKAGE
                           VOC      4.1000 T/YR      EXT. FLOATING ROOF + DOUBLE SEAL      LAER
                           EXT. FLOAT. ROOF & 2 SEALS
FUGITIVE EMISSIONS
                           VOC      203.0000 T/YR      PROPER COMBUSTION      LAER
                           PROPER MAINTENANCE
=====

```

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

 INITIAL REVIEW POST STARTUP
 REVIEW STATUS: 04/01/1983

NOTES -----

A NEW 45 MB/SD CATALYTIC REFORMING UNIT (POWER FORMER) WILL UPGRADE OCTANE LEVELS OF VIRGIN AND ICN NAPHTHAS.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

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ID NUMBER NJ-0001

SOURCE TYPE CODE 5.2

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

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SOURCE TYPE/SIZE---	PETROLEUM REFINING - CONVERSION	1480.00 BPSD
---------------------	---------------------------------	--------------

COMPANY NAME/SITE LOCATION	TEXAS OLEFINS CO.	, TX	HARRIS COUNTY
----------------------------	-------------------	------	---------------

DETERMINATION IS BACT FOR A NEW SOURCE.		DATE OF PERMIT ISSUANCE--	11/23/83
PERMIT NO. 9348		ESTIMATED DATE OF START-UP--	1984
DETERMINATION MADE BY	TEXAS ACB (AGENCY)	KAREN NEUMANN (AGENCY CONTACT PERSON)	(512)-451-5711 (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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POLYMERIZATION UNIT	1480.00 BPSD	VOC	54.8200 T/YR SEE NOTES	BACT
		NOX	8.4700 T/YR LOW NOX BURNERS	BACT
		CO	1.2600 T/YR	BACT
		PM	0.3500 T/YR	

NOTES -----

SIC = 2869. VOC CONTROL PROVIDED BY VAPOR RECOVERY UNIT ON LOADING OPERATIONS/ DIRECTED MAINTENANCE ON VALVES, PUMPS, ETC./ FL
ARES FOR UPSET EMISSIONS/ FLOATING ROOFS WITH SECONDARY SEALS ON TANKS.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 05/04/1984

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

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=====
SOURCE TYPE/SIZE---      PETROLEUM REFINING - CONVERSION      20000.00 MMBL/D
-----
COMPANY NAME/SITE LOCATION  UNITED REFINING CO.                      WARREN, PA
                                                                    WARREN COUNTY
-----
DETERMINATION IS  B/L FOR A MODIFIED SOURCE.
PERMIT NO. 78PA14
DETERMINATION MADE BY      EPA REGION III              VERNON BUTLER
                           (AGENCY)                  (AGENCY CONTACT PERSON)
                                                    DATE OF PERMIT ISSUANCE-- 01/25/80
                                                    ESTIMATED DATE OF START-UP-- 1980
                                                    (215)-597-2711
                                                    (PHONE)
=====
  
```

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
FCC UNIT		SO2	350.0000 LB/H 0.65% S FUEL OIL	BACT
REFORMER HEATER		SO2	65.0000 LB/H 1% S IN FUEL OIL	BACT
CLAUS PLANT		SO2		BACT
REBOILER		SO2	24.0000 LB/H 1% S FUEL OIL	NSPS

NOTES -----

SO2 EMISSIONS FROM FLUID CATALYTIC CRACKER UNIT, REFORMER HEATER, AND REBOILER IMPACT ON NON-ATTAINMENT AREA

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

=====

SOURCE TYPE/SIZE---

PETROLEUM REFINING - TREATING

COMPANY NAME/SITE LOCATION

ENDEVCO, INC.
ST. HWY 134

FOUKE, AR

MILLER COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. AR-240M-1
DETERMINATION MADE BYEPA REGION VI
(AGENCY)TOM DIGGS
(AGENCY CONTACT PERSON)DATE OF PERMIT ISSUANCE-- 12/03/81
ESTIMATED DATE OF START-UP-- 1980
(214)-767-1594
(PHONE)

=====

PROCESSES SUBJECT
TO THIS PERMITTHROUGHPUT
CAPACITYPOLLUTANT
EMITTED

EMISSION LIMITS

CONTROL EQUIPMENT OR PROCESS MODIFICATION

... & BASIS
... PCT EFF

DIETHANOLAMINE RECONCENTRATOR

60000.00 BTU/H

SO2

0.1000 LB/H
FIRING OF NAT GAS

BACT

TRIETHYLENE GLYCOL

60000.00 BTU/H

SO2

0.1000 LB/H
FIRING OF NAT. GAS

BACT

INCIN.

SO2

460.0000 LB/H
NO CONTROL,USED TO CONTROL H2S

BACT

NOTES -----

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

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ID NUMBER AR-0003

SOURCE TYPE CODE 5.3

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

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=====
SOURCE TYPE/SIZE---      PETROLEUM REFINING - TREATING      2.00 MMSCFD
-----
COMPANY NAME/SITE LOCATION OIL INTERNATIONAL LTD      OILMONT, MT
-----
                                         TOOLE COUNTY

DETERMINATION IS
PERMIT NO.
DETERMINATION MADE BY    STATE OF MONTANA      HARRY KELTZ      DATE OF PERMIT ISSUANCE-- 03/10/83
                        (AGENCY)              (AGENCY CONTACT PERSON) ESTIMATED DATE OF START-UP--
                                         (406)-449-3454
                                         (PHONE)

=====
PROCESSES SUBJECT        THROUGHPUT      POLLUTANT      EMISSION LIMITS      ... & BASIS
TO THIS PERMIT           CAPACITY      EMITTED        CONTROL EQUIPMENT OR PROCESS MODIFICATION ... PCT EFF
-----
INCINERATOR              2.00 MMSCFD
                        SO2      57.0000 LB/H      BACT
                        249.0000 T/YR
                        INCINERATION      0.00
```

NOTES -----

50 WEEK/YR OPERATION - PLANT IS IN BASICALLY SAME LOCATION AS OLD PERMIT

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

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ID NUMBER MT-0003

SOURCE TYPE CODE 5.3

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

=====

SOURCE TYPE/SIZE---

PETROLEUM REFINING - TREATING

COMPANY NAME/SITE LOCATION

PACIFIC REFINING CORP.

HERCULES, CA

DETERMINATION IS BACT FOR A MODIFIED SOURCE.

PERMIT NO. 29180

DETERMINATION MADE BY

BAY AREA AQMD
(AGENCY)LEONARD CLAYTON
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 09/28/83

ESTIMATED DATE OF START-UP-- 1986

(415)-771-6000

(PHONE)

=====

PROCESSES SUBJECT
TO THIS PERMITTHROUGHPUT
CAPACITYPOLLUTANT
EMITTED

EMISSION LIMITS

CONTROL EQUIPMENT OR PROCESS MODIFICATION

... & BASIS
... PCT EFF

FUEL HANDLING, REFINERY FUEL GA* 500000.00 SCF/H

SO2

50.0000 PPM H2S IN FUEL GAS
DIGLYCOL AMINE SCRUB SYSTEMBACT
80.00

FURNACE, REFORMING

275.00 MMBTU/H

NOX

20.0000 PPM AT 3% O2
SCR & NH3 INJECTIONBACT
85.00

NOTES -----

SCR = SELECTIVE CATALYTIC REDUCTION

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

=====

INITIAL REVIEW POST STARTUP

REVIEW STATUS: 04/19/1984

=====

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ID NUMBER CA-0056

SOURCE TYPE CODE 5.3

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

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=====
SOURCE TYPE/SIZE---      PETROLEUM REFINING - TREATING      5.00 HP
-----
COMPANY NAME/SITE LOCATION  TOSCO CORP.                  MARTINEZ, CA
-----
DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 27769
DETERMINATION MADE BY      BAY AREA AQMD                JIM KARAS
                           (AGENCY)                    (AGENCY CONTACT PERSON)
                                                    DATE OF PERMIT ISSUANCE-- 02/19/82
                                                    ESTIMATED DATE OF START-UP-- 1983
                                                    (415)-771-6000
                                                    (PHONE)
=====

PROCESSES SUBJECT        THROUGHPUT      POLLUTANT      EMISSION LIMITS      ... & BASIS
TO THIS PERMIT           CAPACITY        EMITTED        CONTROL EQUIPMENT OR PROCESS MODIFICATION ... PCT EFF
-----
CENTRIFUGAL PUMPS        5.00 HP
                           VOC      500.0000 PPM
                           DOUBLE MECH. SEAL W/HEAVY SEAL OIL
=====
```

NOTES -----

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

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ID NUMBER CA-0046

SOURCE TYPE CODE 5.3

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

=====

SOURCE TYPE/SIZE--- PETROLEUM REFINING - FEEDSTOCK 10.80 MMGAL

COMPANY NAME/SITE LOCATION AMOCO OIL CO. WHITING, IN

DETERMINATION IS LAER FOR A NEW SOURCE. DATE OF PERMIT ISSUANCE-- 02/27/81
 PERMIT NO. PC (45) 1479 ESTIMATED DATE OF START-UP--
 DETERMINATION MADE BY INDIANA APCD KEN KEARNEY (317)-633-0647
 (AGENCY) (AGENCY CONTACT PERSON) (PHONE)

=====

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

STORAGE TANKS, GASOLINE	5.40 MMGAL	VOC	WELDED TANKS & INT FLOAT ROOFS	LAER
-------------------------	------------	-----	--------------------------------	------

NOTES -----
 2 GASOLINE STORAGE TANKS

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE. INITIAL REVIEW POST STARTUP
 REVIEW STATUS: 04/01/1983

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

SOURCE TYPE/SIZE--- PETROLEUM REFINING - FEEDSTOCK

COMPANY NAME/SITE LOCATION ARCO PIPELINE CO. TINCUM TOWNSHIP, PA
FT. MIFFLIN TERMINAL DELAWARE COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.

PERMIT NO. 79PA24

DETERMINATION MADE BY

EPA REGION III
(AGENCY)BOB BLASZCZAK
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 01/18/80

ESTIMATED DATE OF START-UP-- 1981

(215)-597-8186

(PHONE)

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

STORAGE TANKS NO. 1	10.00 MBBL	VOC	0.2700 LB/H INTERNAL FLOATING ROOFS	BACT
STORAGE TANKS NOS. 2, 13, 15	100.00 MBBL	VOC	1.6500 LB/H INTERNAL FLOATING ROOFS	BACT
STORAGE TANKS NOS. 4, 12	150.00 MBBL	VOC	2.1600 LB/H INTERNAL FLOATING ROOFS	BACT
STORAGE TANKS NOS. 9, 10	100.00 MBBL	VOC	1.3200 LB/H INTERNAL FLOATING ROOFS	BACT
STORAGE TANKS NOS. 11, 14	100.00 MBBL	VOC	1.6100 LB/H INTERNAL FLOATING ROOFS	BACT

NOTES -----

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

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REVIEW STATUS: 04/01/1983

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ID NUMBER PA-0010

SOURCE TYPE CODE 5.4

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

SOURCE TYPE/SIZE--- PETROLEUM REFINING - FEEDSTOCK

COMPANY NAME/SITE LOCATION VENTECH REFIN.
JCT. HWY 190 & RT. 105

KROTZ SPRINGS, LA 70750

ST. LANDRY PARISH

DETERMINATION IS BACT FOR A MODIFIED SOURCE.

PERMIT NO. (REGION FILE NO.) PSD-LA-278A

DETERMINATION MADE BY EPA REGION VI
(AGENCY)TOM DIGGS
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 02/13/80

ESTIMATED DATE OF START-UP--

(214)-767-1594

(PHONE)

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

TANKS, 2EA	120000.00 BBL	VOC	0.8700 LB/H DOUBLE SEALS	BACT
TANKS, 6EA	55000.00 BBL	VOC	0.0200 LB/H DOUBLE SEALS	BACT
TANK	25000.00 BBL	VOC	0.3500 LB/H DOUBLE SEALS	BACT
BARGE LOAD/UNLOAD		VOC	3.0200 LB/H VAPOR COLLECTION & INCIN. SYS	BACT

NOTES -----

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

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ID NUMBER LA-0026

SOURCE TYPE CODE 5.4

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

=====

SOURCE TYPE/SIZE--- PETROLEUM REFINING - AUXILIARY

COMPANY NAME/SITE LOCATION ALLIED MATERIALS CORP. STROUD, OK
RT. 66 LINCOLN COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE. DATE OF PERMIT ISSUANCE-- 09/30/81
PERMIT NO. (REGION FILE NO.) PSD-OK-344 ESTIMATED DATE OF START-UP-- 1981
DETERMINATION MADE BY EPA REGION VI BILL TAYLOR
(AGENCY) (AGENCY CONTACT PERSON) (214)-767-1594
(PHONE)

=====

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
WASTE INCINERATOR/HEAT RECOVERY*	56.00 MMBTU/H	SO2	4.4300 LB/MMBTU NONE APPLICABLE	BACT

NOTES -----
WASTE INCIN./HEAT RECOVERY UNIT.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

SOURCE TYPE/SIZE--- PETROLEUM REFINING - AUXILIARY

COMPANY NAME/SITE LOCATION AMERICAN PETROFINA CO. OF TEXAS , TX JEFFERSON COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.

PERMIT NO. SEE NOTE

DETERMINATION MADE BY

TEXAS ACB
(AGENCY)

STUART KEIL
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 01/21/83
ESTIMATED DATE OF START-UP-- 1984
(512)-451-5711
(PHONE)

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

COMBUSTION UNITS

NOX 0.1200 LB/MMBTU GAS
0.3000 LB/MGAL LIQUID
STAGED COMBUSTION

NEW & EXISTING SRU'S

S02 250.0000 PPM NSPS
SCOT TAIL GAS CLEAN-UP
H2S NOTE #2
FUG. MONITOR & MAINTEN. FOR H2S PROCESS LEAKS

NOTES -----

NOTE -- PERMIT NO. C-9193,9194,9195,9196

NOTE #2 -- MINIMIZE FUGITIVES

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 05/04/1984

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ID NUMBER TX-0127

SOURCE TYPE CODE 5.5

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

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=====
SOURCE TYPE/SIZE---      PETROLEUM REFINING - AUXILIARY      130.00 MBPSD
-----
COMPANY NAME/SITE LOCATION  AMOCO                      TEXAS CITY, TX
                           5TH AVE. S. TEXAS CITY                GALVESTON COUNTY
-----
DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. (REGION FILE NO.) PSD-TX-402
DETERMINATION MADE BY      EPA REGION VI                JOHN BUNYAK
                           (AGENCY)                     (AGENCY CONTACT PERSON)
                                                    DATE OF PERMIT ISSUANCE-- 12/08/81
                                                    ESTIMATED DATE OF START-UP--
                                                    (214)-767-1594
                                                    (PHONE)
=====

```

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=====
PROCESSES SUBJECT          THROUGHPUT          POLLUTANT          EMISSION LIMITS          ... & BASIS
TO THIS PERMIT             CAPACITY          EMITTED            CONTROL EQUIPMENT OR PROCESS MODIFICATION ... PCT EFF
-----
HEATERS, 12 EA             144.00 MMBTU/H
                           NOX              0.1200 LB/MMBTU          LOW NOX BURNERS          BACT
                           SO2              0.0300 LB/MMBTU          GAS FIRED                 NSPS
SULFUR RECOVERY UNIT       1000.00 LT/D SULFUR
                           NOX              13.0000 LB/H            EFFICIENT OPERATION      BACT
                           SO2              250.0000 PPM            3-STAGE CLAUS UNIT       NSPS
                           99.90
SRU FLARE                  8.80 MMBTU/H
                           NOX              0.1200 LB/MMBTU          EFFICIENT OPERATION      BACT
                           SO2              0.0300 LB/MMBTU          GAS FIRED                 NSPS
HYDROTREATER FLARES, 2    6.10 MMBTU/H EA
                           NOX              0.1200 LB/MMBTU          EFFICIENT OPERATION      BACT
                           SO2              0.0300 LB/MMBTU          GAS FIRED                 BACT
=====

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(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

 INITIAL REVIEW POST STARTUP
 REVIEW STATUS: 04/01/1983

NOTES -----
H2S LIMITED TO 0.1 GRAIN/DSCF.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.		INITIAL REVIEW	POST STARTUP
		REVIEW STATUS:	04/01/1983
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APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

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=====
SOURCE TYPE/SIZE---      PETROLEUM REFINING - AUXILIARY      50000.00 BPSD
-----
COMPANY NAME/SITE LOCATION  AMOCO TEXAS REFINING CO.      TEXAS CITY, TX 77490
                           2401 5TH AVENUE SOUTH
-----
DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. TX-101
DETERMINATION MADE BY      EPA REGION VI      JOHN BUNYAK
                           (AGENCY)          (AGENCY CONTACT PERSON)
                                           DATE OF PERMIT ISSUANCE--
                                           ESTIMATED DATE OF START-UP--
                                           (214)-767-1594
                                           (PHONE)
=====

```

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
FURNACE, EXISTING PREHEAT		NOX	56.2000 LB/H LOW NOX/HIGH COMBUST EFF BURN	BACT
FURNACE, EXISTING REHEAT		NOX	63.2000 LB/H LOW NOX/HIGH COMBUST EFF BURN	BACT
FURNACE, EXISTING REHEAT		NOX	76.5000 LB/H LOW NOX/HIGH COMBUST EFF BURN	BACT
FURNACE, EXISTING HOT OIL		NOX	47.9000 LB/H LOW NOX/HIGH COMBUST EFF BURN	BACT
FURNACE, NEW DESULFURIZING		NOX	21.2000 LB/H LOW NOX/HIGH COMBUST EFF BURN	BACT

NOTES -----

MODIFIED GASOLINE REFORMER TO PRODUCE GASOLINE OF LOW LEAD CONTENT. INCREASED REFORMER CHARGE RATE FROM 49000 TO 50000 BBL/STR
EAM DAY.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
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ID NUMBER TX-0067

SOURCE TYPE CODE 5.5

APPENDIX -- DETAILED SOURCE LISTING

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SOURCE TYPE/SIZE--- PETROLEUM REFINING - AUXILIARY

COMPANY NAME/SITE LOCATION CALCASIEU REFIN.

LAKE CHARLES, LA

CALASIEU PARISH

DETERMINATION IS BACT FOR A MODIFIED SOURCE.

PERMIT NO. (REGION FILE NO.) PSD-LA-293

DETERMINATION MADE BY EPA REGION VI
(AGENCY)JOHN BUNYAK
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 07/22/81

ESTIMATED DATE OF START-UP--

(214)-767-1594
(PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
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HEATERS, 3 EA	160.00 MMBTU/H	NOX	0.1100 LB/MMBTU LOW NOX BURNERS	BACT 35.00
INCIN.	2.00 MMBTU/H	NOX	0.1000 LB/MMBTU LOW NOX BURNERS	BACT 35.00

NOTES -----

THREE HEATERS AND ONE INCINERATOR

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

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=====
SOURCE TYPE/SIZE---      PETROLEUM REFINING - AUXILIARY      30000.00 BPSD
-----
COMPANY NAME/SITE LOCATION CAROLINA REFINING & DIST      SAVANNAH, GA
                           STATE HWY 21                  CHATHAM COUNTY
-----
DETERMINATION IS BACT FOR A NEW SOURCE.      DATE OF PERMIT ISSUANCE-- 09/10/80
PERMIT NO. GA 063      ESTIMATED DATE OF START-UP-- 1981
DETERMINATION MADE BY  GEORGIA EPD      BILL MITCHELL
                           (AGENCY)      (AGENCY CONTACT PERSON)
                                           (404)-656-6900
                                           (PHONE)
=====
  
```

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
PROCESS HEATERS	584.00 MMBTU/H	S02	CLAUS-STRETTFORD	NSPS 98.00
		NOX	518.1000 T/YR	BACT
		VOC	3326.2000 T/YR	BACT
			GOOD OPERATION PRACTICES	

NOTES -----
OPERATION PROHIBITED BY STATE AUTHORITY

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(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.      INITIAL REVIEW  POST STARTUP
REVIEW STATUS: 04/01/1983
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PAGE G- 343      ID NUMBER GA-0001      SOURCE TYPE CODE  5.5
  
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APPENDIX -- DETAILED SOURCE LISTING

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SOURCE TYPE/SIZE--- PETROLEUM REFINING - AUXILIARY

COMPANY NAME/SITE LOCATION CHAMPLIN PETROLEUM CO.
1200 SMITH ST., SUITE 1900

HOUSTON, TX 77002

NUECES COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.

PERMIT NO. TX-337

DETERMINATION MADE BY

EPA REGION VI
(AGENCY)JOHN BUNYAK
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 04/03/81

ESTIMATED DATE OF START-UP--

(214)-767-1594
(PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
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PLATFORM CHARGE HEATERS, 3

392.00 MMBTU/H

SO2	9.9000	LB/H REFIN. GAS	NSPS
	0.0250	LB/MMBTU REFIN. GAS	
		TRACE H2S	
NOX	47.0000	LB/H REFIN. GAS	BACT
	0.1200	LB/MMBTU REFIN. GAS	
		AFR CONTROL, LNB	
SO2	112.7000	LB/H G/O	NSPS
	0.7600	LB/MMBTU G/O	
		TRACE H2S	
NOX	67.3000	LB/H G/O	BACT
	0.1700	LB/MMBTU G/O	
		AFR CONTROLS, LNB	

HEATER, PLATFORMER DEPENTANIZER

25.20 MMBTU/H

SO2	0.6000	LB/H REFIN. GAS	NSPS
	0.0250	LB/MMBTU REFIN. GAS	
		TRACE H2S	
NOX	3.0000	LB/H REFIN. GAS	
	0.1200	LB/MMBTU REFIN. GAS	
SO2	17.5000	LB/H G/O	NSPS
	0.7600	LB/MMBTU G/O	
		TRACE H2S	

NOX

4.4000 LB/H G/O
0.1700 LB/MMBTU G/O
AFR CONTROLS, LNB

BACT

(CONTINUED) CHAMPLIN PETROLEUM CO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
HEATER, PLATFORM AROMATIC	20.30 MMBTU/H			
		SO2	0.5000 LB/H REFIN. GAS 0.0250 LB/MMBTU REFIN. GAS TRACE H2S	NSPS
		NOX	2.4000 LB/H REFIN. GAS 0.1200 LB/MMBTU REFIN. GAS AFR CONTROL, LNB	BACT
		SO2	13.8000 LB/H G/O 0.7600 LB/MMBTU G/O TRACE H2S	NSPS
		NOX	3.5000 LB/H G/O 0.1700 LB/MMBTU G/O AFR CONTROL, LNB	BACT
HEATER, HYDROTREATER CHARGE	47.60 MMBTU/H			
		SO2	1.2000 LB/H REFIN. GAS 0.0250 LB/MMBTU REFIN. GAS TRACE H2S	NSPS
		NOX	5.7000 LB/H REFIN. GAS 0.1200 LB/MMBTU REFIN. GAS AFR CONTROL, LNB	BACT
		SO2	33.0000 LB/H G/O 0.7600 LB/MMBTU G/O TRACE H2S	NSPS
		NOX	8.2000 LB/H G/O 0.1700 LB/MMBTU G/O AFR CONTROL, LNB	BACT
REBOILER, HYDROTREATER STRIPPER	31.40 MMBTU/H			
		SO2	0.8000 LB/H REFIN. GAS 0.0250 LB/MMBTU REFIN. GAS TRACE H2S	NSPS
		NOX	3.8000 LB/H REFIN. GAS 0.1200 LB/MMBTU REFIN. GAS AFR CONTROLS, LNB	BACT
		SO2	2.2000 LB/H G/O 0.7600 LB/MMBTU G/O TRACE H2S	NSPS
		NOX	5.4000 LB/H G/O 0.1700 LB/MMBTU G/O	BACT

AFR CONTROLS, LNB

(CONTINUED) CHAMPLIN PETROLEUM CO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BOILERS, 3 (FUEL GAS ONLY)	47.00 MMBTU/H EA	SO2	1.2000 LB/H 0.0250 LB/MMBTU TRACE H2S	NSPS
		NOX	5.6000 LB/H 0.1200 LB/MMBTU AFR CONTROL, LNB	BACT
EMERGENCY FLARE	16.00 SCFM	SO2	0.1000 LB/H NONE	BACT
		NOX	0.1000 LB/H STEAM INJECTION	BACT

NOTES -----

FUEL OIL S CONTENT NOT SPECIFIED. PERMITTEE IS REQUIRED TO SAMPLE & ANALYZE S CONTENT OF FUEL OIL AT LEAST ONCE/DAY TO DETERMINE COMPLIANCE WITH THE ALLOWABLE SO2 EMISSION LIMITS. EMERGENCY FLARE OPERATED ONLY UNDER EMERGENCY CONDITIONS. WHEN PROCESS GASES ARE VENTED TO FLARE FOR MORE THAN 5 MIN. IN ANY 2 HOUR PERIOD, RECORDS SHALL BE KEPT FOR 2 YEARS FOLLOWING SUCH OCCURANCE. TRACE = <0.10 GR/DSCF. LNB = LOW NOX BURNERS. AFR CONTROLS = AIR/FUEL RATIO CONTROLS. G/O = GAS/OIL MIX.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
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APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

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=====
SOURCE TYPE/SIZE---      PETROLEUM REFINING - AUXILIARY      7000.00 GPCD
-----
COMPANY NAME/SITE LOCATION CHEVRON USA REF.      BASCAGOULA, MS      JACKSON COUNTY
-----
DETERMINATION IS LAER FOR A MODIFIED SOURCE.
PERMIT NO. MS 024
DETERMINATION MADE BY      MISSISSIPPI DNR      DWIGHT WILEY      DATE OF PERMIT ISSUANCE-- 12/10/80
                           (AGENCY)      (AGENCY CONTACT PERSON)      ESTIMATED DATE OF START-UP--
                                           (601)-354-2550
                                           (PHONE)
=====
  
```

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=====
PROCESSES SUBJECT      THROUGHPUT      POLLUTANT      EMISSION LIMITS      ... & BASIS
TO THIS PERMIT      CAPACITY      EMITTED      CONTROL EQUIPMENT OR PROCESS MODIFICATION      ... PCT EFF
-----
PROCESS EQUIPMENT      16000.00 GPCD
                           SO2      0.1000 GR/DSCF      BEAVON S REM. PROC. TAIL GAS      NSPS
                           NOX      125.0000 PPM GAS      LOW SULFUR      BACT
                           DESIGN
  
```

NOTES -----

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

SOURCE TYPE/SIZE--- PETROLEUM REFINING - AUXILIARY

COMPANY NAME/SITE LOCATION CHEVRON USA, INC.

RICHMOND, CA

DETERMINATION IS BACT FOR A NEW SOURCE.

PERMIT NO. 27797

DETERMINATION MADE BY

BAY AREA AQMD
(AGENCY)

JOHN SWANSON
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 04/08/82

ESTIMATED DATE OF START-UP-- 1984

(415)-771-6000
(FHCNE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
FURNACE 4	57.00 MMBTU/H	NOX	40.0000 PPM NO2 AT 3% O2 ONE SCR UNIT ON FURNACES 4,5,6	
FURNACE #5	18.00 MMBTU/H	NOX	40.0000 PPM NO2 AT 3% O2 ONE SCR UNIT ON FURNACES 4,5,6	
FURNACE #6	15.00 MMBTU/H	NOX	40.0000 PPM NO2 AT 3% O2 ONE SCR UNIT ON FURNACES 4,5,6	
FURNACE #1	12.50 MMBTU/H	NOX	40.0000 PPM NO2 AT 3% O2 ONE SCR UNIT ON FURNACES 1,2,3	
FURNACE #2	19.00 MMBTU/H	NOX	40.0000 PPM NO2 AT 3% O2 ONE SCR UNIT ON FURNACES 1,2,3	
FURNACE #3	66.50 MMBTU/H	NOX	40.0000 PPM NO2 AT 3% O2 ONE SCR UNIT ON FURNACES 1,2,3	

(CONTINUED) CHEVRON USA, INC.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
FURNACE #7	22.00 MMBTU/H	NOX	40.0000 PPM NO2 AT 3% O2 ONE SCR UNIT ON FURN. 7,8,9,10	
FURNACE #8	28.00 MMBTU/H	NOX	40.0000 PPM NO2 AT 3% O2 ONE SCR UNIT ON FURN. 7,8,9,10	
FURNACE #9	26.00 MMBTU/H	NOX	40.0000 PPM NO2 AT 3% O2 ONE SCR UNIT ON FURN. 7,8,9,10	
FURNACE #10	15.00 MMBTU/H	NOX	40.0000 PPM NO2 AT 3% O2 ONE SCR UNIT ON FURN. 7,8,9,10	

NOTES -----

SCR = SELECTIVE CATALYTIC REDUCTION, FURNACES ARE BURNING REFINERY MAKE GAS OF 1025 BTU/ACF

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1993

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

SOURCE TYPE/SIZE--- PETROLEUM REFINING - AUXILIARY

COMPANY NAME/SITE LOCATION CITIES SERVICE CO.
P.O. BOX 1562

LAKE CHARLES, LA 70602

DETERMINATION IS BACT FOR A MODIFIED SOURCE.

PERMIT NO.

DETERMINATION MADE BY

EPA REGION VI
(AGENCY)JOHN BUNYAK
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 01/18/80

ESTIMATED DATE OF START-UP--

(214)-767-1594

(PHONE)

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

REFORMER FURNACE, B-501,502,506* 198.50 MMBTU/H

NOX 0.0030 LB/MMBTU BACT

37.6000 LB/H

LOW NOX BURNERS & LEA FIRING

VOC 0.0030 LB/MMBTU BACT

0.6000 LB/H

COM. CONT. F. G. O2 METER

REFORMER FURNACE, B-503,504,505* 536.90 MMBTU/H

NOX 0.1900 LB/MMBTU BACT

101.7000 LB/H

LOW NOX BURNERS

VOC 0.0030 LB/MMBTU BACT

1.5000 LB/H

COM. CONT. F.G. O2 METER

C REFORMER, REGEN. VENT

NOX NONE

VOC

A REFORMER FURNACE, B-102 - 106 93.10 MMBTU/H GAS

VOC 0.9000 LB/H BACT

0.0100 MMBTU/H

NONE

NOX

34.5000 LB/H
0.0400 LB/MMBTU
NONE

BACT

(CONTINUED) CITIES SERVICE CO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
A REFORMER FURNACE, B-201	64.80 MMBTU/H	NOX	14.2000 LB/H 0.0003 LB/MMBTU NONE	BACT
		VOC	0.2000 LB/H 0.0030 LB/MMBTU NONE	BACT
A REFORMER FURNACE, B-202	53.00 MMBTU/H	NOX	11.6000 LB/H 0.0003 LB/MMBTU NONE	BACT
		VOC	0.2000 LB/H 0.0030 LB/MMBTU NONE	BACT
B REFORMER FURNACE, B-401	60.40 MMBTU/H	NOX	13.2000 LB/H 0.0003 LB/MMBTU NONE	BACT
		VOC	0.2000 LB/H 0.0030 LB/MMBTU NONE	BACT
B REFORMER FURNACE, B-406	57.30 MMBTU/H	NOX	12.6000 LB/H 0.0003 LB/MMBTU NONE	BACT
		VOC	0.2000 LB/H 0.0030 LB/MMBTU NONE	BACT
B REFORMER FURNACE, B-402	55.90 MMBTU/H	NOX	12.2000 LB/H 0.0003 LB/MMBTU NONE	BACT
		VOC	0.2000 LB/H 0.0030 LB/MMBTU NONE	BACT

(CONTINUED) CITIES SERVICE CO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
B REFORMER FURNACE, B-403,404,4*	330.00 MMBTU/H	NOX	50.8000 LB/H 0.2200 LB/MMBTU NONE	BACT
		VOC	2.3000 LB/H 0.0030 LB/MMBTU NONE	BACT
COKER FURNACE, B-101	108.20 MMBTU/H	NOX	23.7000 LB/H 0.0030 LB/MMBTU NONE	BACT
		VOC	0.3000 LB/H 0.0030 LB/MMBTU NONE	BACT
COKER FURNACES, B-201	82.40 MMBTU/H	NOX	18.0000 LB/H 0.2200 LB/MMBTU NONE	BACT
		VOC	0.2000 LB/H 0.0030 LB/MMBTU NONE	BACT
TOPPER FURNACE, B-2C	65.90 MMBTU/H	NOX	14.4000 LB/H 0.2200 LB/MMBTU NONE	BACT
		VOC	0.2000 LB/H 0.0030 LB/MMBTU NONE	BACT
POWER HOUSE BOILER, B-3, B-3B	173.00 MMBTU/H GAS	NOX	60.5000 LB/H 0.0050 LB/MMBTU NONE	BACT
		VOC	0.9000 LB/H 0.0050 LB/MMBTU NONE	BACT

(CONTINUED) CITIES SERVICE CO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
POWER HOUSE BOILER, B-A3,3C	173.00 MMBTU/H	NOX	60.5000 LB/H 0.3500 LB/MMBTU NONE	BACT
		VOC	0.9000 LB/H 0.0050 LB/MMBTU NONE	BACT
TANKAGE		VOC	581.7000 LB/H BACT FOR FUGITIVE HC	BACT
REFINERY, MSC. SOURCES		VOC	291.0000 LB/H BACT FOR FUGITIVE HC	BACT
COMPLEX COOLING TOWERS		VOC	234.4000 LB/H BACT FOR FUGITIVE HC	BACT

NOTES -----

REFINERY MODIFICATIONS INCLUDE: INSTALLATION OF NEW "C" REFORMER, REVISION OF REFINERY FUEL BALANCE, INSTALLATION OF AIR PREHEAT AND FLUE GAS WASTE HEAT BOILERS FOR EMERGENCY CONSERVATION, CRUDE DISTILLATION COLUMN MODIFICATION, AND CONVERSION OF CONE ROOF TANKS TO INTERNAL FLOATING PANS.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

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SOURCE TYPE/SIZE--- PETROLEUM REFINING - AUXILIARY

COMPANY NAME/SITE LOCATION CLARK OIL CO., WOOD RIVER REFIN. HARTFORD, IL 62048
P.O. BOX 7 MADISON COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE. DATE OF PERMIT ISSUANCE-- 09/25/81
PERMIT NO. 81060081 ESTIMATED DATE OF START-UP-- 1986
DETERMINATION MADE BY ILLINOIS EPA CHRIS ROMAINE
(AGENCY) (AGENCY CONTACT PERSON) (217)-782-2113
(PHONE)

=====

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

PROCESS HEATERS		NOX	389.3000 T/YR	
			LOW NOX BURNERS	
		SO2	1.0000 LB/MMBTU	
			BURNING BYPRODUCT GAS WITH OIL	
		PM	92.9000 T/YR	
STORAGE TANKS		CO	55.5000 T/YR	
		VOC	70.2000 T/YR	

NOTES -----

NOX EMISSION LIMIT ON PROCESS HEATERS WILL BE SPECIFIED UPON SUBMISSION OF DETAILED ENGINEERING SPECIFICATIONS.

ALSO PERMIT NUMBER 119 050 AAA.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

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ID NUMBER IL-0003

SOURCE TYPE CODE 5.5

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

=====

SOURCE TYPE/SIZE---

PETROLEUM REFINING - AUXILIARY

COMPANY NAME/SITE LOCATION

CLARK OIL, MT. AIRY REFINERY

GARYVILLE, LA

ST. JOHN BAPTIST PARISH

DETERMINATION IS BACT FOR A MODIFIED SOURCE.

PERMIT NO. PSD-LA-392

DETERMINATION MADE BY

LAQD/EPA REGION VI

(AGENCY)

BHARAT CONTRACTOR
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 12/22/83

ESTIMATED DATE OF START-UP--

(504)-342-8940

(PHONE)

=====

PROCESSES SUBJECT
TO THIS PERMITTHROUGHPUT
CAPACITYPOLLUTANT
EMITTED

EMISSION LIMITS

CONTROL EQUIPMENT OR PROCESS MODIFICATION ... & BASIS

... PCT EFF

RECOVERY UNIT, SULFUR

12.00 LT/D

SO2

50.0000 LB/H

CATALYTIC AFTER BURNER

B/A

96.00

NOTES -----

NSPS NOT APPLICABLE

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS:

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PAGE G- 358

ID NUMBER LA-0045

SOURCE TYPE CODE 5.5

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

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=====
SOURCE TYPE/SIZE---      PETROLEUM REFINING - AUXILIARY      225.00 MBPSD
-----
COMPANY NAME/SITE LOCATION COASTAL STATES PETROLEUM      CORPUS CHRISTI, TX 78043
                           P.O. DRAWER 521                NUECES COUNTY
-----
DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. TX-243
DETERMINATION MADE BY      EPA REGION VI                JOHN BUNYAK
                           (AGENCY)                    (AGENCY CONTACT PERSON)
                                                    DATE OF PERMIT ISSUANCE-- 10/14/80
                                                    ESTIMATED DATE OF START-UP--
                                                    (214)-767-1594
                                                    (PHONE)
=====

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PROCESSES SUBJECT          THROUGHPUT      POLLUTANT      EMISSION LIMITS      ... & BASIS
TO THIS PERMIT             CAPACITY        EMITTED        CONTROL EQUIPMENT OR PROCESS MODIFICATION ... PCT EFF
-----
INCIN.                     15.70 MMBTU/H
                           NOX           2.3000 LB/H      BACT
                           0.1500 LB/MMBTU
                           LEA FIRING
                           CO            0.3000 LB/H      BACT
                           0.0200 LB/MMBTU
                           LEA FIRING
HEATER, COKER CHARGE      113.00 MMBTU/H
                           NOX           13.6000 LB/H     BACT
                           0.1200 LB/MMBTU
                           LEA FIRING/LOW NOX BURNERS
                           CO            2.0400 LB/H      BACT
                           0.0200 LB/MMBTU
                           LEA FIRING
HEATER, FCCU FEED         65.00 MMBTU/H
                           NOX           7.8000 LB/H      BACT
                           0.1200 LB/MMBTU
                           LEA FIRING/LOW NOX BURNERS
                           CO            1.1700 LB/H      BACT
                           0.0200 LB/MMBTU
                           LEA FIRING
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(CONTINUED) COASTAL STATES PETROLEUM

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
REBOILER, ISOSTRIPPER	89.00 MMBTU/H	NOX	10.7000 LB/H 0.1200 LB/MMBTU LEA FIRING/LOW NOX BURNERS	BACT
		CO	1.6000 LB/H 0.0200 LB/MMBTU LEA FIRING	BACT
GAS OIL HDS HEATER	73.00 MMBTU/H	NOX	8.8000 LB/H 0.1200 LB/MMBTU LEA FIRING/LOW NOX BURNERS	BACT
		CO	1.3100 LB/H 0.0200 LB/MMBTU LEA FIRING	BACT
REBOILER, GAS OIL HDS	36.00 MMBTU/H	NOX	4.3000 LB/H 0.1200 LB/MMBTU LEA FIRING/LOW NOX BURNERS	BACT
		CO	0.6500 LB/H 0.0200 LB/MMBTU LEA FIRING	BACT
REBOILER, CRUDE UNIT	55.00 MMBTU/H	NOX	6.6000 LB/H 0.1200 LB/MMBTU LEA FIRING/LOW NOX BURNERS	BACT
		CO	0.9900 LB/H 0.0200 LB/MMBTU LEA FIRING	BACT
HEATER, VACUUM CHARGE	51.00 MMBTU/H	NOX	5.4000 LB/H 0.1200 LB/MMBTU LEA FIRING/LOW NOX BURNERS	BACT
		CO	0.9200 LB/H 0.0200 LB/MMBTU LEA FIRING	BACT

(CONTINUED) COASTAL STATES PETROLEUM

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
HEATER, CRUDE CHARGE	45.00 MMBTU/H	NOX	5.4000 LB/H 0.1200 LB/MMBTU LEA FIRING/LOW NOX BURNERS	BACT
		CO	0.8100 LB/H 0.0200 LB/MMBTU LEA FIRING	BACT
HEATER, TAIL GAS UNIT	6.30 MMBTU/H	NOX	0.8000 LB/H 0.1200 LB/MMBTU LEA FIRING/LOW NOX BURNERS	BACT
		CO	0.1100 LB/H 0.0200 LB/MMBTU LEA FIRING	BACT
HEATER, REFORMER	123.00 MMBTU/H	NOX	14.8000 LB/H 0.1200 LB/MMBTU LEA FIRING/LOW NOX BURNERS	BACT
		CO	2.2200 LB/H 0.0200 LB/MMBTU LEA FIRING	BACT
HEATER, NAPTHA HDS	35.00 MMBTU/H	NOX	4.2000 LB/H 0.1200 LB/MMBTU LEA FIRING/LOW NOX BURNERS	BACT
		CO	0.6300 LB/H 0.0200 LB/MMBTU LEA FIRING	BACT
HEATER, KEROSENE HDS	16.30 MMBTU/H	NOX	2.0000 LB/H 0.1200 LB/MMBTU LEA FIRING/LOW NOX BURNERS	BACT
		CO	0.2900 LB/H 0.0200 LB/MMBTU LEA FIRING	BACT

(CONTINUED) COASTAL STATES PETROLEUM

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
REBOILER, KEROSENE HDS	12.50 MMBTU/H	NOX	1.5000 LB/H 0.1200 LB/MMBTU LEA FIRING/LOW NOX BURNERS	BACT
		CO	0.2300 LB/H 0.0200 LB/MMBTU LEA FIRING	BACT
HEATER, DIESEL HDS	9.10 MMBTU/H	NOX	1.1000 LB/H 0.1200 LB/MMBTU LEA FIRING/LOW NOX BURNERS	BACT
		CO	0.1600 LB/H 0.0200 LB/MMBTU LEA FIRING	BACT
REBOILER, DESIEL HDS	10.30 MMBTU/H	NOX	1.2000 LB/H 0.1200 LB/MMBTU LEA FIRING/LOW NOX BURNERS	BACT
		CO	0.1800 LB/H 0.0200 LB/MMBTU LEA FIRING	BACT
BOILER, UTILITY	88.00 MMBTU/H	NOX	10.6000 LB/H 0.1200 LB/MMBTU LEA FIRING/LOW NOX BURNERS	BACT
		CO	1.6000 LB/H 0.0200 LB/MMBTU LEA FIRING	BACT
BOILER, UTILITY	88.00 MMBTU/H	NOX	10.6000 LB/H 0.1200 LB/MMBTU LEA FIRING/LOW NOX BURNERS	BACT
		CO	1.6000 LB/H 0.0200 LB/MMBTU LEA FIRING	BACT

(CONTINUED) COASTAL STATES PETROLEUM

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
REGENERATOR, FCCU		NOX	160.0000 LB/H NONE	BACT
		CO	103.9000 LB/H HIGH TEMP. REGENERATION	BACT

NOTES -----

CAPACITY INCREASE FROM 185 TO 225 MBPSD.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

SOURCE TYPE/SIZE--- PETROLEUM REFINING - AUXILIARY 12000.00 BPSD

COMPANY NAME/SITE LOCATION CONOCO, INC. WESTLAKE, LA
LAKE CHARLES REFIN. CALCASIEU PARISH

DETERMINATION IS BACT FOR A MODIFIED SOURCE. DATE OF PERMIT ISSUANCE-- 10/08/81
PERMIT NO. (REGION FILE NO.) PSD-LA-419 ESTIMATED DATE OF START-UP-- 1982
DETERMINATION MADE BY EPA REGION VI JOHN BENHAM
(AGENCY) (AGENCY CONTACT PERSON) (214)-767-1594
(PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
HEATER, HDS CHARGE	39.00 MMBTU/H	NOX	0.1200 LB/MMBTU LOW NOX BURNERS LOW EXCESS AIR	BACT
REBOILER, HDS STRIPPER	39.00 MMBTU/H	NOX	0.1200 LB/MMBTU LOW NOX BURNERS LOW EXCESS AIR	BACT
HEATER, REFORMER CHARGE	52.00 MMBTU/H	NOX	0.1200 LB/MMBTU LOW NOX BURNERS LOW EXCESS AIR	BACT
HEATER, INTERPASS	46.00 MMBTU/H	NOX	0.1200 LB/MMBTU LOW NOX BURNERS LOW EXCESS AIR	BACT
HEATER, INTERPASS	37.00 MMBTU/H	NOX	0.1200 LB/MMBTU LOW NOX BURNERS LOW EXCESS AIR	BACT

(CONTINUED) CONOCO, INC.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
REBOILER, DEPROPANIZER	32.00 MMBTU/H	NOX	0.1200 LB/MMBTU LOW NOX BURNERS LOW EXCESS AIR	BACT

NOTES -----

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

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ID NUMBER LA 0008

SOURCE TYPE CODE 5.5

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

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=====
SOURCE TYPE/SIZE---      PETROLEUM REFINING - AUXILIARY      100000.00 BBL/D
-----
COMPANY NAME/SITE LOCATION  CONOCO, INC.      WESTLAKE, LA      CALCASIEU PARISH
                           LAKE CHARLES REFIN.
-----
DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. (REGION FILE NO.) PSD-LA-390
DETERMINATION MADE BY      EPA REGION VI      TOM DIGGS      DATE OF PERMIT ISSUANCE-- 08/10/81
                           (AGENCY)      (AGENCY CONTACT PERSON)  ESTIMATED DATE OF START-UP-- 1983
                                           (PHONE)
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PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
COKER HEATERS, 2 DELAYED REG.	99.00 MMBTU/H	NOX	0.1200 LB/MMBTU LOW NOX BURNER LOW EXCESS AIR	BACT
HEATER, CRACKED DISTIL HYDRO DE*	16.00 MMBTU/H	NOX	0.1200 LB/MMBTU LOW NOX BURNER LOW EXCESS AIR	BACT
HEATER, HEAVY VACUUM GAS OIL HY*	15.00 MMBTU/H	NOX	0.1200 LB/MMBTU LOW NOX BURNER LOW EXCESS AIR	BACT
INCIN., SULFUR RECOVERY PLANT	9.68 MMBTU/H	NOX	0.1200 LB/MMBTU LOW NOX BURNER LOW EXCESS AIR	BACT

NOTES -----
4 FUEL GAS-HEATERS.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

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=====
SOURCE TYPE/SIZE---      PETROLEUM REFINING - AUXILIARY      48000.00 BBL/D
-----
COMPANY NAME/SITE LOCATION  CRA,INC.                      COFFEYVILLE, KS
                                           MONTGOMERY COUNTY
-----
DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO.
DETERMINATION MADE BY      EPA REGION VII              DANIEL RODRIGUEZ
                           (AGENCY)                  (AGENCY CONTACT PERSON)
                                           DATE OF PERMIT ISSUANCE-- 09/04/80
                                           ESTIMATED DATE OF START-UP--
                                           (816)-374-6525
                                           (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, UNIT 40 (RETROFIT)	51.00 MMBTU/H	NOX	0.1300 LB/MMBTU LOW NOX BURNERS	BACT
HEATER, UNIT 41 (BUILT, BUT NOT*)	32.00 MMBTU/H	NOX	0.1500 LB/MMBTU	BACT
HEATER, UNIT 42 (RELOCATE)	136.00 MMBTU/H	NOX	0.1600 LB/MMBTU CONVENT. BURN W/AIR PREHEAT	BACT
HEATER, UNIT 43 (RELOCATE)	27.60 MMBTU/H	NOX	0.1300 LB/MMBTU LOW NOX BURNERS	BACT
HEATER, UNIT 44 (NEW)	21.70 MMBTU/H	NOX	0.1300 LB/MMBTU LOW NOX BURNERS	BACT
HEATER, UNIT 45 (NEW)	62.20 MMBTU/H	NOX	0.1300 LB/MMBTU LOW NOX BURNERS	BACT

NOTES -----

LIMITS FOR UNITS 42 & 43 WERE AMENDED FROM 0.15 LB/MMBTU ON JULY 6, 1981. SIZE IS REFINERY CAPACITY. UNITS 41 & 42 EQUIPPED WITH CONVENTIONAL BURNERS.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

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=====
SOURCE TYPE/SIZE---      PETROLEUM REFINING - AUXILIARY      30000.00 BBL/D
-----
COMPANY NAME/SITE LOCATION  CYPRESS REFINING CO., HILL PETROLEUM CO.      KROTZ SPRINGS, LA
-----
                                ST. LANDRY PARISH

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. PSD-LA-504
DETERMINATION MADE BY      LAQD/EPA REGION VI      BHARAT CONTRACTOR
                                (AGENCY)      (AGENCY CONTACT PERSON)
                                DATE OF PERMIT ISSUANCE-- 01/03/84
                                ESTIMATED DATE OF START-UP-- 1982
                                (504)-342-8940
                                (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, #1-82	99.50 MMBTU/H	NOX	15.3200 LB/H	BACT
		VE	20.0000 % OPACITY	BACT
			COMB. CONTRL W/O2 MONITOR	
BOILER, #2-82	99.50 MMBTU/H	NOX	17.5100 LB/H	BACT
		VE	20.0000 % OPACITY	BACT
			COMB. CONTRL W/O2 MONITOR	
			COMB. CONTRL W/O2 MCNITOR	

NOTES -----

BOTH BOILERS ARE FIRED WITH REFINERY FUEL GAS. BOTH BOILERS HAVE THE SAME RATED HEAT INPUT, HOWEVER, THE EMISSION RATES FOR NO X ARE DIFFERENT DUE TO DIFFERENT FIRE BOX CONFIGURATION.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS:

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

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=====
SOURCE TYPE/SIZE---      PETROLEUM REFINING - AUXILIARY      60000.00 BBL/D
-----
COMPANY NAME/SITE LOCATION  DIAMOND SHAMROCK CORP.      AMARILLO, TX 77173
                           P.O. BOX 631      MOORE COUNTY
-----
DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. TX-346
DETERMINATION MADE BY      EPA REGION VI      JOHN BUNYAK
                           (AGENCY)      (AGENCY CONTACT PERSON)
                                           DATE OF PERMIT ISSUANCE-- 09/04/81
                                           ESTIMATED DATE OF START-UP--
                                           (214)-767-1594
                                           (PHONE)
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=====
PROCESSES SUBJECT      THROUGHPUT      POLLUTANT      EMISSION LIMITS      ... & BASIS
TO THIS PERMIT          CAPACITY      EMITTED      CONTROL EQUIPMENT OR PROCESS MODIFICATION      ... PCT EFF
-----
PROCESS BOILER, 2      240.00 MMBTU/H
                        SO2      103.8700 LB/H      SCRUB FUEL G./7% S FUEL OIL      B/N
                        NOX      130.0000 LB/H      LOW NOX BURNERS      BACT
                        CO      6.8100 LB/H      EFFICIENT COMBUSTION      BACT
                        PM      10.0600 LB/H      SCRUB FUEL G./7% FUEL OIL      BACT
FCCU REGEN STACK, 2      45000.00 BBL/D
                        SO2      931.5000 LB/H      NONE      BACT
                        NOX      24.4000 LB/H      HIGH TEMP REGENERATION      BACT
                        CO      195.0000 LB/H      HIGH TEMP RENERATION      BACT
                        PM      22.7000 LB/H      ESP      BACT
                                           98.80
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NOTES -----

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

 INITIAL REVIEW POST STARTUP
 REVIEW STATUS: 04/01/1983

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ID NUMBER TX-0034

SOURCE TYPE CODE 5.5

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

=====

SOURCE TYPE/SIZE---	PETROLEUM REFINING - AUXILIARY		

COMPANY NAME/SITE LOCATION	EXXON CHEMICAL AMERICAS	BAYTOWN, TX 77520	HARRIS COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.			DATE OF PERMIT ISSUANCE-- 07/30/81
PERMIT NO. (REGION FILE NO.) PSD-TX-302			ESTIMATED DATE OF START-UP-- 1984
DETERMINATION MADE BY	EPA REGION VI	TOM DIGGS	(214)-767-1594
	(AGENCY)	(AGENCY CONTACT PERSON)	(PHONE)

=====

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

HEATERS, NAT. GAS-FIRED, 3 EA	275.00 MMBTU/H	NOX	0.2300 LB/MMBTU CONTROL OF EXCESS OXYGEN	BACT

NOTES -----
 EPA ORIGINALLY SPECIFIED 0.12 LB/MMBTU AS BACT, BUT EXXON PROVIDED INFORMATION ON THE HEATER DESIGN AND TEST DATA ON SIMILIAR HEATERS TO JUSTIFY THE NEED FOR 0.23 LB/MMBTU.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

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PAGE G- 370	ID NUMBER TX-0046	INITIAL REVIEW POST STARTUP REVIEW STATUS: 04/01/1983	SOURCE TYPE CODE 5.5
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APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

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SOURCE TYPE/SIZE---

PETROLEUM REFINING - AUXILIARY

COMPANY NAME/SITE LOCATION

EXXON CO. USA

BENICIA, CA

DETERMINATION IS BACT FOR A NEW SOURCE.

PERMIT NO. 27599

DETERMINATION MADE BY

BAY AREA AQMD

(AGENCY)

LEONARD CLAYTON
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 12/10/80

ESTIMATED DATE OF START-UP-- 1982

(415)-771-6000

(PHONE)

=====

PROCESSES SUBJECT
TO THIS PERMITTHROUGHPUT
CAPACITYPOLLUTANT
EMITTED

EMISSION LIMITS

CONTROL EQUIPMENT OR PROCESS MODIFICATION

... & BASIS

... PCT EFF

FURNACE, REFINERY PROCESS

165.00 MMBTU/H

NOX

40.0000 PPM AT 3% O2

207.0000 LB/D

LOW NOX BURNERS & THERMAL DE-NOX

70.00

NOTES -----

DEMONSTRATED TECHNOLOGY. FILE A 310-010

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ID NUMBER CA-0057

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/19/1984

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SOURCE TYPE CODE

5.5

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

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=====
SOURCE TYPE/SIZE---      PETROLEUM REFINING - AUXILIARY      30000.00 BPSD
-----
COMPANY NAME/SITE LOCATION  FRIENDSWOOD REFIN.      HOUSTON, TX
                           CHOATE ROAD                      HARRIS COUNTY
-----
DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. (REGION FILE NO.) PSD-TX-387
DETERMINATION MADE BY      EPA REGION VI
                           (AGENCY)
                           JOHN BUNYAK
                           (AGENCY CONTACT PERSON)
                           DATE OF PERMIT ISSUANCE-- 06/30/81
                           ESTIMATED DATE OF START-UP--
                           (214)-767-1594
                           (PHONE)
=====

```

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=====
PROCESSES SUBJECT          THROUGHPUT    POLLUTANT    EMISSION LIMITS    ... & BASIS
TO THIS PERMIT            CAPACITY      EMITTED      CONTROL EQUIPMENT OR PROCESS MODIFICATION    ... PCT EFF
-----
HEATERS, 4                75.00 MMBTU/H
                           PM          0.0042 LB/MMBTU    GAS FIRED          BACT
                           SO2         0.0224 LB/MMBTU    REFINERY GAS FIRED NSPS
                           NOX         0.1000 LB/MMBTU    LOW NOX BURNERS    BACT
                           CO          0.0142 LB/MMBTU    EFFICIENT COMBUSTION BACT
BOILER                    40.00 MMBTU/H
                           PM          0.0042 LB/MMBTU    GAS FIRED          BACT
                           SO2         0.0214 LB/MMBTU    REFINERY GAS FIRED NSPS
                           NOX         0.1000 LB/MMBTU    LOW NOX BURNERS    BACT
                           CO          0.0142 LB/MMBTU    EFFICIENT COMBUSTION BACT
SULFUR RECOVERY UNIT
                           SO2         9.1500 LB/H        CLAUS PLANT         BACT
                                                99.00
=====

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(CONTINUED) FRIENDSWOOD REFIN.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
FCCU REGENERATOR		PM	24.0000 LB/H ESP (0.85 LB/MLB OF COKE)	BACT
CO BOILER COMPLEX		SO2	48.0000 LB/H SULFUR REDUCTION CAT.	NSPS 75.00
		NOX	103.5000 LB/H NO CONTROL	BACT
		CO	175.5000 LB/H COBOILER (500PPM)	NSPS

NOTES -----

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

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=====
SOURCE TYPE/SIZE---      PETROLEUM REFINING - AUXILIARY      350.00 MMBTU/H
-----
COMPANY NAME/SITE LOCATION  GETTY OIL CO.      BAKERSFIELD, CA 93308
                           ROUTE 1, BOX 197-X
-----
DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. SJ-81-11
DETERMINATION MADE BY      EPA REGION IX      JOE SLAMOVICH      DATE OF PERMIT ISSUANCE-- 08/24/82
                           (AGENCY)      (AGENCY CONTACT PERSON)      ESTIMATED DATE OF START-UP--
                                           (415)-974-8235
                                           (PHONE)
=====

PROCESSES SUBJECT          THROUGHPUT      POLLUTANT      EMISSION LIMITS      ... & BASIS
TO THIS PERMIT            CAPACITY      EMITTED      CONTROL EQUIPMENT OR PROCESS MODIFICATION ... PCT EFF
-----
STEAM GENERATOR, 7        240.00 BBL/D      NOX      0.1500 LB/MMBTU PER GEN.      63.00
                               AMMONIA INJECTION
=====
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NOTES -----

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983 04/04/1984

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

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=====
SOURCE TYPE/SIZE---      PETROLEUM REFINING - AUXILIARY      350000.00 BPSD
-----
COMPANY NAME/SITE LOCATION  GOOD HOPE REFIN., INC.      GOOD HOPE, LA 70079
                           P.O. BOX 126, 257 PROSPECT AV*      ST. CHARLES PARISH
-----
DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO.
DETERMINATION MADE BY      EPA REGION VI      JOHN BUNYAK
                           (AGENCY)      (AGENCY CONTACT PERSON)
                                           DATE OF PERMIT ISSUANCE-- 05/08/81
                                           ESTIMATED DATE OF START-UP--
                                           (214)-767-1594
                                           (PHONE)
=====

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=====
PROCESSES SUBJECT      THROUGHPUT      POLLUTANT      EMISSION LIMITS      ... & BASIS
TO THIS PERMIT          CAPACITY        EMITTED        CONTROL EQUIPMENT OR PROCESS MODIFICATION ... PCT EFF
-----
STRIPPER REBOILER      26.00 MMBTU/H

                           PM      0.3000 LB/H      BACT
                           0.0110 LB/MMBTU
                           GASEOUS FUEL
                           SO2      0.5000 LB/H      NSPS
                           0.0190 LB/MMBTU
                           0.10 GRH2S/DSCF
                           NOX      3.1000 LB/H      BACT
                           0.1200 LB/MMBTU
                           LOW NOX BURNERS, LEA FIRING
                           CO      0.4000 LB/H      BACT
                           0.0140 LB/MMBTU
                           COMBUSTION CONTROL

REFORMER STABILIZER    26.00 MMBTU/H

                           PM      0.3000 LB/H      BACT
                           0.0110 LB/MMBTU
                           GASEOUS FUEL
                           SO2      0.5000 LB/H      NSPS
                           0.0190 LB/MMBTU
                           0.10 GRH2S/DSCF
                           NOX      3.1000 LB/H      BACT
                           0.1200 LB/MMBTU
=====

```


CO LOW NOX BURNERS, LEA FIRING
 0.4000 LB/H
 0.0140 LB/MMBTU
 COMBUSTION CONTROL

BACT

(CONTINUED) GOOD HOPE REFIN., INC.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
CRUDE HEATER	317.00 MMBTU/H	PM	3.4000 LB/H 0.0110 LB/MMBTU GASEOUS FUEL	BACT
		SO2	6.1000 LB/H 0.0190 LB/MMBTU 0.10 GRH2S/DSCF	NSPS
		NOX	38.0000 LB/H 0.1200 LB/MMBTU LOW NOX BURNERS, LEA FIRING	BACT
		CO	4.5000 LB/H 0.0140 LB/MMBTU COMBUSTION CONTROL	BACT
FCCU FURNACE	45.00 MMBTU/H	PM	0.5000 LB/H 0.0110 LB/MMBTU GASEOUS FUEL	BACT
		SO2	0.9000 LB/H 0.0190 LB/MMBTU 0.10 GRH2S/DSCF	NSPS
		NOX	5.4000 LB/H 0.1200 LB/MMBTU LOW NOX BURNERS, LEA FIRING	BACT
		CO	0.6000 LB/H 0.0140 LB/MMBTU COMBUSTION CONTROL	BACT
FCCU FURNACE	39.00 MMBTU/H	PM	0.4000 LB/H 0.0110 LB/MMBTU GASEOUS FUEL	BACT
		SO2	0.7000 LB/H 0.0190 LB/MMBTU 0.10 GRH2S/DSCF	NSPS
		NOX	4.7000 LB/H 0.1200 LB/MMBTU LOW NOX BURNERS, LEA FIRING	BACT
		CO	0.6000 LB/H 0.0140 LB/MMBTU	BACT

COMBUSTION CONTROL

(CONTINUED) GOOD HOPE REFIN., INC.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
VACUUM COLUMN FURNACE	244.00 MMBTU/H	PM	2.6000 LB/H 0.0110 LB/MMBTU GASEOUS FUEL	BACT
		SO2	4.7000 LB/H 0.0190 LB/MMBTU 0.10 GRH2S/DSCF	NSPS
		NOX	29.3000 LB/H 0.1200 LB/MMBTU LOW NOX BURNERS, LEA FIRING	BACT
		CO	3.5000 LB/H 0.0140 LB/MMBTU COMBUSTION CONTROL	BACT
DEMEX HEATER	25.00 MMBTU/H	PM	0.3000 LB/H 0.0110 LB/MMBTU GASEOUS FUEL	BACT
		SO2	0.5000 LB/H 0.0190 LB/MMBTU 0.10 GRH2S/DSCF	NSPS
		NOX	3.0000 LB/H 0.1200 LB/MMBTU LOW NOX BURNERS, LEA FIRING	BACT
		CO	0.4000 LB/H 0.0140 LB/MMBTU COMBUSTION CONTROL	BACT
WISEBREAKING FURNACE, 3 EA	40.00 MMBTU/H	PM	0.4000 LB/H 0.0110 LB/MMBTU GASEOUS FUEL	BACT
		SO2	0.8000 LB/H 0.0190 LB/MMBTU 0.10 GRH2S/DSCF	NSPS
		NOX	4.8000 LB/H 0.1200 LB/MMBTU LOW NOX BURNERS, LEA FIRING	BACT
		CO	0.6000 LB/H 0.0140 LB/MMBTU	BACT

COMBUSTION CONTROL

(CONTINUED) GOOD HOPE REFIN., INC.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
FCCU REGENERATOR	82000.00 BBL/D	PM	64.9000 LB/H	NSPS
			THIRD-STAGE CYCLONE SEPARATOR	95.00
		SO2	761.7000 LB/H	BACT
			SULFUR REDUCTION CATALYST	
		NOX	242.6000 LB/H	BACT
			LEA FIRING	
		CO	138.6000 LB/H	NSPS
			COMBUSTION CONTROL	
SULFUR PLANT INCIN.		SO2	12.8000 LB/H	NSPS
			TAIL-GAS TREATMENT (SCOT)	98.00

NOTES -----

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

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ID NUMBER LA-0032

SOURCE TYPE CODE 5.5

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

SOURCE TYPE/SIZE--- PETROLEUM REFINING - AUXILIARY

COMPANY NAME/SITE LOCATION GULF OIL CO.
20 M SE BEAUMONT H 73

PORT ARTHUR, TX 77640

JEFFERSON COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.

PERMIT NO. (REGION FILE NO.) PSD-TX-214

DETERMINATION MADE BY EPA REGION VI
(AGENCY)JOHN BUNYAK
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 10/13/81

ESTIMATED DATE OF START-UP--

(214)-767-1594
(PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
HEATERS, 4 EA	425.00 MMBTU/H	NOX	0.3000 LB/MMBTU AIR/FUEL RATIO	BACT
		SO2	0.5800 LB/MMBTU LOW SULFUR FUEL (1.5 % S)	NSPS
		CO	0.0370 LB/MMBTU EFFICIENT COMBUSTION	BACT
		PM	0.0580 LB/MMBTU EFFICIENT COMBUSTION	BACT
TREATING UNIT, SCOT TAIL GAS		SO2	70.4000 LB/H DESULFURIZED FUEL	NSPS

NOTES -----

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

SOURCE TYPE/SIZE--- PETROLEUM REFINING - AUXILIARY

COMPANY NAME/SITE LOCATION GULF OIL CO.
P.O. BOX 701

PORT AURTHUR, TX 77640

JEFFERSON COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.

PERMIT NO. TX-342

DATE OF PERMIT ISSUANCE-- 10/21/80

DETERMINATION MADE BY

EPA REGION VI
(AGENCY)JOHN BUNYAK
(AGENCY CONTACT PERSON)

ESTIMATED DATE OF START-UP--

(214)-767-1594
(PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
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SOLVENT EXTRACTION UNIT #1843	122.30 MMBTU/H	SO2	2.0000 LB/H	NSPS
			0.0200 LB/MMBTU	
		NOX	NAT. GAS/REFIN. GAS, TRACE H2S	BACT
			14.6700 LB/H	
LUBE VACUUM UNIT #147	124.30 MMBTU/H	SO2	0.1200 LB/MMBTU	NSPS
			LEA CONTROLS, LNB	
		NOX	72.3000 LB/H	BACT
			0.6000 LB/MMBTU	
GULFINING UNIT #243	66.70 MMBTU/H	SO2	NAT. GAS/REFIN. GAS, TRACE H2S	NSPS
			38.3000 LB/MMBTU	
		NOX	0.6000 LB/H	BACT
			20.0000 LB/MMBTU	
			LEA CONTROLS, LNB	

(CONTINUED) GULF OIL CO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
CATALYTIC DEWAXING UNIT #1944	20.00 MMBTU/H	SO2	11.6000 LB/H 0.6000 LB/MMBTU NAT. GAS/REFIN. GAS, TRACE H2S	NSPS
		NOX	6.0000 LB/H 0.3000 LB/MMBTU LEA CONTROLS, TRACE H2S	BACT
SULFUR RECOVERY UNIT #544	15.70 MMBTU/H	SO2	45.0000 LB/H NAT. GAS FIRED	NSPS 99.90
		NOX	1.9000 LB/H LEA CONTROLS, LNB	BACT
SOLVENT DEWAXING UNIT	100.10 MMBTU/H	SO2	3.0000 LB/H 0.0300 LB/MMBTU NAT. GAS/REFIN. GAS, TRACE H2S	NSPS
		NOX	67.4000 LB/H 0.6700 LB/MMBTU NONE	BACT
SOLVENT DEWAXING UNIT #1943	35.60 MMBTU/H	SO2	1.1000 LB/H 0.0300 LB/MMBTU REFIN. GAS/NAT. GAS, TRACE H2S	NSPS
		NOX	23.9000 LB/H 0.6700 LB/MMBTU NONE	BACT
GULFINING UNIT #244	60.00 MMBTU/H	SO2	34.9000 LB/H 0.6000 LB/MMBTU 0.5% S IN OIL	NSPS
		NOX	18.0000 LB/H 0.3000 LB/MMBTU LEA CONTROL, LNB	BACT

(CONTINUED) GULF OIL CO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
DELAYED COKING UNIT	116.00 MMBTU/H	SO2	3.5000 LB/H 0.0200 LB/MMBTU TRACE H2S	NSPS
		NOX	13.9000 LB/H 0.1200 LB/MMBTU LEA FIRING, LNB	BACT

NOTES -----

SOLVENT DEWAXING UNIT #1943: CHANGE FUEL TYPE FROM REFINERY GAS ONLY TO REFINERY GAS/NATURAL GAS. LNB -- LOW NOX BURNERS. TRAC
E H2S -- <0.10 GR H2S/DSCF.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

SOURCE TYPE/SIZE--- PETROLEUM REFINING - AUXILIARY

COMPANY NAME/SITE LOCATION HAWAIIAN INDEPEN. REFIN.

EWA BEACH, HI

DETERMINATION IS BACT FOR A MODIFIED SOURCE.

PERMIT NO. (REGION FILE NO.) HI 81-01

DETERMINATION MADE BY EPA REGION IX
(AGENCY)DENNIS BEAUREGARD
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 08/18/81

ESTIMATED DATE OF START-UP--

(415)-974-8236

(PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
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HEATER, CRUDE OIL, #4

110.00 MMBTU/H

NOX	0.4000	LB/MMBTU
		LOW NOX BURNERS
SO2	60.0000	LB/MMBTU
		0.5% S #6 FUEL OIL
PM	6.1000	LB/H
		0.5% S #6 FUEL OIL

REFORMER FURNACE, H2 GEN. PLANT

125.00 MMBTU/H

NOX	0.1700	LB/MMBTU
		LOW NOX BURNERS
SO2	2.4000	LB/H
		BURN REF GAS - 0.1 GR H2S/DSCF
PM	1.4000	LB/H
		NONE

NOTES -----

BACT IS DETERMINED BY TECHNOLOGY AND ECONOMICS. FACILITY EXPANSION FROM 95000 BBL/DAY TO 125000 BBL/DAY BY INSTALLATION OF A H
EATER AND HYDROGENATION PLANT.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

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=====
SOURCE TYPE/SIZE---      PETROLEUM REFINING - AUXILIARY      2.00 MMSCFD
-----
COMPANY NAME/SITE LOCATION HIGH PRAIRIE ENERGY CO.      NEAR CUT BANK, MT      TOOELE COUNTY
-----
DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO.
DETERMINATION MADE BY    EPA REGION VIII      JOHN DALE      DATE OF PERMIT ISSUANCE-- 09/05/80
                        (AGENCY)      (AGENCY CONTACT PERSON)      ESTIMATED DATE OF START-UP--
                                      (303)-837-3763
                                      (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      2.00 MMSCFD      SO2      65.0000 LB/H      BACT
                                      INCINERATION      0.00
  
```

NOTES -----
4 YEAR PERMIT LIMIT

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

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ID NUMBER MT-0001

SOURCE TYPE CODE 5.5

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

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=====
SOURCE TYPE/SIZE---      PETROLEUM REFINING - AUXILIARY      66550.00 BPSD
-----
COMPANY NAME/SITE LOCATION  HILL PETROLEUM      KROTZ SPRINGS, LA 70750
                           KROTZ SPRINGS TERMIN      ST. LANDRY PARISH
-----
DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. (REGION FILE NO.) PSD-LA-286A
DETERMINATION MADE BY      EPA REGION VI      TOM DIGGS
                           (AGENCY)      (AGENCY CONTACT PERSON)
                                           DATE OF PERMIT ISSUANCE-- 03/10/80
                                           ESTIMATED DATE OF START-UP--
                                           (214)-767-1594
                                           (PHONE)
=====

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=====
PROCESSES SUBJECT      THROUGHPUT      POLLUTANT      EMISSION LIMITS      ... & BASIS
TO THIS PERMIT      CAPACITY      EMITTED      CONTROL EQUIPMENT OR PROCESS MODIFICATION      ... PCT EFF
-----
HEATER      146.00 MMBTU/H      VOC      0.0020 LB/MMBTU      BACT
                                           EFFICIENT COMBUSTION
HEATER      31.00 MMBTU/H      VOC      0.0020 LB/MMBTU      BACT
                                           EFFICIENT COMBUSTION
TANKS, 11 EA      80000.00 BBL      VOC      2.4200 LB/H      BACT
                                           DOUBLE SEALS
TANKS, 4 EA      100000.00 BBL      VOC      2.5800 LB/H      BACT
                                           DOUBLE SEALS
TANKS, 2 EA      150000.00 BBL      VOC      7.3200 LB/H      BACT
                                           DOUBLE SEALS
LOADING DOCK WASTEWATER      VOC      3.8200 LB/H      BACT
                                           MAINTENANCE PROGRAM
=====

```

(CONTINUED) HILL PETROLEUM

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
SEPARATOR		VOC	0.3100 LB/H MAINTENANCE PROGRAM	BACT
PUMP SEALS		VOC	0.6500 LB/H MAINTENANCE PROGRAM	BACT
VALVES & FLANGES		VOC	7.7200 LB/H MAINTENANCE PROGRAM	BACT
RELIEF VALVES		VOC	1.2000 LB/H MAINTENANCE PROGRAM	BACT
COMPRESSOR SEALS		VOC	0.1900 LB/H MAINTENANCE PROGRAM	BACT

NOTES -----

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

=====

SOURCE TYPE/SIZE--- PETROLEUM REFINING - AUXILIARY

COMPANY NAME/SITE LOCATION HYDROCARBON RECYCLERS, INC.

TULSA, OK

DETERMINATION IS BACT FOR A MODIFIED SOURCE.

PERMIT NO. T81-15 & T82-101

DETERMINATION MADE BY

TULSA CITY-COUNTY HEALTH DEPT JIM VAN SANDT

(AGENCY)

(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 05/14/82

ESTIMATED DATE OF START-UP-- 1982

(918)-744-1000

(PHONE)

=====

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
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ATMOS. & VACUUM DISTIL. USED OI* 500000.00 GAL/YR

VOC

13.0000 T/YR

INCIN. IN OIL PREHEAT FURNACE

98.00

DISTIL. OF CHLORINATED HC

150000.00 GAL/YR

VOC

CLOSED SYS-DISTIL. UNIT & TANKAGE-2"H2O PRV

99.00

NOTES -----

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

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ID NUMBER OK-0014

SCURCE TYPE CODE 5.5

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

=====

SOURCE TYPE/SIZE---	PETROLEUM REFINING - AUXILIARY	50.00 MBPSD

COMPANY NAME/SITE LOCATION	INDEPENDENT REFIN.	WINNIE, TX
		JEFFERSON COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.		DATE OF PERMIT ISSUANCE-- 09/11/81
PERMIT NO. (REGION FILE NO.)	PSD-TX-388	ESTIMATED DATE OF START-UP--
DETERMINATION MADE BY	EPA REGION VI	(214)-767-1594
	(AGENCY)	(PHONE)
	TOM DIGGS	
	(AGENCY CONTACT PERSON)	

=====

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

HEATERS, 6	96.50 MMBTU/H	NOX	0.1100 LB/MMBTU LOW NOX BURNERS	NSPS
REBOILER	14.40 MMBTU/H	NOX	0.1100 LB/MMBTU LOW NOX BURNERS	NSPS

NOTES -----

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

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ID NUMBER TX-0021

SOURCE TYPE CODE 5.5

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

SOURCE TYPE/SIZE--- PETROLEUM REFINING - AUXILIARY 404.00 LT/D

COMPANY NAME/SITE LOCATION KOCH REFINING CO. ROSEMOUNT, MN

DETERMINATION IS BACT FOR A MODIFIED SOURCE. DATE OF PERMIT ISSUANCE-- 08/18/81
 PERMIT NO. 106-81-1-19 ESTIMATED DATE OF START-UP-- 1982
 DETERMINATION MADE BY MINNESOTA PCA AHTO NIEMIOJA
 (AGENCY) (AGENCY CONTACT PERSON) (612)-296-7718
 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
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CLAUS SULFUR RECOVERY UNIT #3	170.00 LT/D	SO2	250.0000 PPM TAIL GAS SCRUBBER	NSPS 99.85
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NOTES -----
 THE EMISSION LIMIT IS BASED ON NSPS AVERAGING TIMES.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP

REVIEW DATED 06/19/1984

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

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SOURCE TYPE/SIZE---	PETROLEUM REFINING - AUXILIARY	404.00 LT/D
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COMPANY NAME/SITE LOCATION	KOCH REFINING CO.	ROSEMOUNT, MN
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DETERMINATION IS LAER FOR A NEW SOURCE.	DATE OF PERMIT ISSUANCE--	01/25/83
PERMIT NO. 106A-83-I-23	ESTIMATED DATE OF START-UP--	1983
DETERMINATION MADE BY	MINNESOTA PCA	AHTO NIEMIOJA
	(AGENCY)	(AGENCY CONTACT PERSON)
		(612)-296-7718
		(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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CLAUS SULFUR RECOVERY UNIT #4	234.00 LT/D			
		SO2	150.0000 PPM TAIL GAS SCRUBBER	99.85

NOTES -----

THE EMISSION LIMIT IS BASED ON NSPS AVERAGING TIMES. A CONTINUOUS EMISSION MONITORING SYSTEM WILL BE USED TO VERIFY COMPLIANCE OF COMBINED SRU 3 & 4 GASES AS A 30 D ROLLING AVERAGE AT 200 PPM.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/19/1984

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ID NUMBER MN-0008A

SOURCE TYPE CODE 5.5

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

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=====
SOURCE TYPE/SIZE---      PETROLEUM REFINING - AUXILIARY      30000.00 BPSD
-----
COMPANY NAME/SITE LOCATION  LONGVIEW REFIN.      LONGVIEW, TX
                           5 KM SW POST OFFICE      GREGG COUNTY
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DETERMINATION IS BACT FOR A MODIFIED SOURCE.      DATE OF PERMIT ISSUANCE-- 05/08/81
PERMIT NO. PSD-TX-364      ESTIMATED DATE OF START-UP--
DETERMINATION MADE BY      EPA REGION VI      JOHN BUNYAK      (214)-767-1594
                           (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
FCC REGENERATOR	15000.00 BBL/D	PM	10.6000 LB/H ESP	BACT
		SO2	190.3000 LB/H S REDUCTION CATALYST	NSPS 75.00
		NOX	32.7000 LB/H NONE	BACT
		CO	79.5000 LB/H HIGH TEMP REGENERATION	BACT
TURBINE, 3	6275.00 HP	PM	0.0700 G/HP-H REF. FUEL GAS	BACT
		SO2	0.1200 G/HP-H REF. FUEL GAS	BACT
		NOX	1.3000 G/HP-H	BACT
		CO	0.4900 G/HP-H EFFICIENT COMBUSTION	NSPS
HEATERS, 25	80.60 MMBTU/H	PM	0.0100 LB/MMBTU FUEL GAS/LOW S OIL	BACT
		SO2	0.0270 LB/MMBTU FUEL GAS/LOW S OIL	NSPS

NOX	0.1200	LB/MMBTU	BACT
		LOW NOX BURNERS	
CO	0.0200	LB/MMBTU	BACT
		EFFICIENT COMBUSTION	

(CONTINUED) LONGVIEW REFIN.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BOILERS, 2	74.00 MMBTU/H	PM	0.0100 LB/MMBTU FUEL GAS	BACT
		SO2	0.0270 LB/MMBTU FUEL GAS	BACT
		NOX	0.1200 LB/MMBTU LOW NOX BURNERS	BACT
		CO	0.0200 LB/MMBTU EFFICIENT COMBUSTION	BACT
SULFUR RECOVERY UNIT	40.00 T/D	SO2	3 STAGE CLAUS PLANT	NSPS 99.00

NOTES -----

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1993

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

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SOURCE TYPE/SIZE---

PETROLEUM REFINING - AUXILIARY

COMPANY NAME/SITE LOCATION MARATHON OIL CO.

ROBINSON, IL

CRAWFORD COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.

PERMIT NO. C 8005034

DETERMINATION MADE BY

ILLINOIS EPA
(AGENCY)CHRIS ROMAINE
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 09/01/80

ESTIMATED DATE OF START-UP-- 1982

(217)-782-2113

(PHONE)

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PROCESSES SUBJECT
TO THIS PERMITTHROUGHPUT
CAPACITYPOLLUTANT
EMITTED

EMISSION LIMITS

CONTROL EQUIPMENT OR PROCESS MODIFICATION ... & BASIS

... PCT EFF

HEATERS

250.00 MMBTU/H MAX

SO2

1.0000 LB/MMBTU

H2S FUEL LIM :0.10 GR/DSCF

NOX

0.3000 LB/MMBTU

LOW NOX BURNERS

PM

0.1000 LB/MMBTU

HEATER

250.00 MMBTU/H MAX

SO2

0.8000 LB/MMBTU

NOX

0.3000 LB/MMBTU

LOW NOX BURNERS

PM

0.1000 LB/MMBTU

NOTES -----

SO2 EMISSION LIMIT TO BE MET WITH REFINERY GAS, RESID. OIL, OR ANY COMBINATION. H2S IN FUEL GAS LIMITED TO 0.1 GR/DSCF.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983 04/04/1984

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ID NUMBER IL-0007

SOURCE TYPE CODE 5.5

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

SOURCE TYPE/SIZE--- PETROLEUM REFINING - AUXILIARY

COMPANY NAME/SITE LOCATION MARATHON OIL CO.
P.O. BOX 1191

TEXAS CITY, TX 77590

GALVESTON COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.

PERMIT NO. TX-241

DETERMINATION MADE BY

EPA REGION VI
(AGENCY)JOHN BUNYAK
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 03/03/80

ESTIMATED DATE OF START-UP--

(214)-767-1564

(PHONE)

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

175.00 MMBTU/H

NOX	36.7400 LB/H NAT GAS	BACT
	0.2200 LB/MMBTU NAT GAS	
	LOW NOX BURN./LEA FIRING	
SO2	4.3000 LB/H NAT GAS	NSPS
	0.0260 LB/MMBTU NAT GAS	
	<0.1 GR H2S/DSCF	
NOX	52.5000 LB/H FUEL OIL	BACT
	0.3000 LB/MMBTU FUEL OIL	
	LOW NOX BURN/LEA FIRING	
SO2	115.8000 LB/H FUEL OIL	NSPS
	0.6600 LB/MMBTU FUEL OIL	
	0.6% S FUEL OIL	

NOTES -----

REPLACES AN EXISTING CRUDE HEATER FIRING REFINERY GAS.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

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SOURCE TYPE/SIZE---	PETROLEUM REFINING - AUXILIARY	70000.00 BBL/D

COMPANY NAME/SITE LOCATION	NATIONAL COOP. REFIN. ASSOC.	MCPHERSON, KS
		MCPHERSON COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.		DATE OF PERMIT ISSUANCE-- 07/17/81
PERMIT NO.		ESTIMATED DATE OF START-UP--
DETERMINATION MADE BY	EPA REGION VII (AGENCY)	DANIEL RODRIGUEZ (AGENCY CONTACT PERSON)
		(816)-374-6525 (PHONE)

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

PROCESS HEATER, UNIT HF-009	64.00 MMBTU/H	NOX	0.1500 LB/MMBTU MAX LOW EXCESS AIR	BACT
PROCESS HEATER, UNIT HF-010	64.00 MMBTU/H	NOX	0.1500 LB/MMBTU MAX LOW EXCESS AIR	BACT
PROCESS HEATER, UNIT HP-012	32.90 MMBTU/H	NOX	0.1500 LB/MMBTU MAX LOW EXCESS AIR	BACT

NOTES -----

REFINERY BEING MODIFIED TO ALLOW PROCESSING OF HIGH SULFUR CRUDES (SCC PROJECT). CAPACITY TO BE INCREASED FROM 57000 TO 70000 BBL/D. SOURCE SIZE IS REFINERY CAPACITY.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

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ID NUMBER KS-0008

SOURCE TYPE CODE 5.5

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

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SOURCE TYPE/SIZE---      PETROLEUM REFINING - AUXILIARY      35.00 MBPSD
-----
COMPANY NAME/SITE LOCATION  NEDERLAND PROCESSING CO.      NEDERLAND, TX 77627
                           P.O. BOX 1567      JEFFERSON COUNTY
-----
DETERMINATION IS BACT FOR A NEW SOURCE.      DATE OF PERMIT ISSUANCE-- 10/31/80
PERMIT NO. TX-262      ESTIMATED DATE OF START-UP--
DETERMINATION MADE BY    EPA REGION VI      JOHN BUNYAK      (214)-767-1594
                           (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
-----
VACUUM UNIT FURNACE      150.00 MMBTU/H

PM      7.9000 LB/H OIL      BACT
        0.0530 LB/MMBTU OIL
        LIQUID OR GASEOUS FUEL
SO2      70.0000 LB/H OIL      BACT
        0.4670 LB/MMBTU OIL
        0.42% S OIL
NOX      45.0000 LB/H OIL      BACT
        0.3000 LB/MMBTU OIL
        LEA FIRING
CO      5.5000 LB/H OIL      BACT
        0.0370 LB/MMBTU OIL
        COMBUSTION CONTROLS
VOC      1.1000 LB/H OIL      LAER
        0.0070 LB/MMBTU OIL
PM      2.0000 LB/H GAS      BACT
        0.0130 LB/MMBTU GAS
        LIQUID OR GASEOUS FUEL
SO2      3.5000 LB/H GAS      NSPS
        0.0230 LB/MMBTU GAS
        0.1% GR H2S/DSCF
NOX      18.0000 LB/H GAS      BACT

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	0.1200 LB/MMBTU GAS	
	LEA FIRING	
CO	2.3000 LB/H GAS	BACT
	0.0150 LB/MMBTU GAS	
	COMBUSTION CONTROLS	
VOC	0.4000 LB/H GAS	BACT
	0.0070 LB/MMBTU GAS	

(CONTINUED) NEDERLAND PROCESSING CO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
FCCU REGEN		PM	8.4000 LB/H 1.0000 LB/MLB COKE ESP	NSPS 95.00
		SO2	42.7000 LB/H S REDUCTION CATALYST	BACT 75.00
		NOX	31.5000 LB/H LEA FIRING	BACT
		CO	73.5000 LB/H 500.0000 PPMV, LESS THAN COMBUSTION CONTROL	NSPS
ISOSTRIPPER REBOILER	90.00 MMBTU/H	VOC	7.9000 LB/H	BACT
		PM	4.7000 LB/H OIL 0.0520 LB/MMBTU OIL LIQUID OR GASEOUS FUEL	BACT
		SO2	42.0000 LB/H OIL 0.4670 LB/MMBTU OIL 0.42% S OIL	BACT
		NOX	27.0000 LB/H OIL 0.3000 LB/MMBTU OIL LEA FIRING	BACT
		CO	3.3000 LB/H OIL 0.0370 LB/MMBTU OIL COMBUSTION CONTROLS	BACT
		VOC	0.7000 LB/H OIL 0.0080 LB/MMBTU OIL	BACT
		PM	1.2000 LB/H GAS 0.0130 LB/MMBTU GAS LIQUID OR GASEOUS FUEL	BACT
		SO2	2.1000 LB/H GAS 0.0230 LB/MMBTU GAS 0.1% GR H2S/DSCF	NSPS
		NOX	10.8000 LB/H GAS 0.1200 LB/MMBTU GAS LEA FIRING	BACT
		CO	1.4000 LB/H GAS 0.0160 LB/MMBTU GAS	BACT

(CONTINUED) NEDERLAND PROCESSING CO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
SULFUR PLANT	2.70 MMBTU/H GAS	SO2	2.2000 LB/H SCOT TAIL GAS TREAT.	BACT 95.00
		NOX	0.3000 LB/H 0.1200 LB/MMBTU NONE	BACT
FLARE		PM	TRACE SMOKELESS OPERATION	BACT
		SO2	NEGLIGIBLE NONE	BACT
		NOX	TRACE SMOKELESS/STEAM INJECTION	BACT
		CO	TRACE SMOKELESS OPERATION	BACT
BOILER	170.00 MMBTU/H OIL	PM	8.9000 LB/H OIL 0.0520 LB/MMBTU OIL LIQUID OR GASEOUS FUEL	BACT
		SO2	79.3000 LB/H OIL 0.4670 LB/MMBTU OIL 0.42% S FUEL	BACT
		NOX	51.0000 LB/H OIL 0.3000 LB/MMBTU OIL LEA FIRING	BACT
		CO	6.2000 LB/H OIL 0.0360 LB/MMBTU OIL COMBUSTION CONTROLS	BACT
		VOC	1.2000 LB/H OIL 0.0070 LB/MMBTU OIL	BACT
		PM	2.3000 LB/H GAS 0.0140 LB/MMBTU GAS LIQUID OR GASEOUS FUEL	BACT
		SO2	4.2000 LB/H GAS 0.0250 LB/MMBTU GAS 0.1% GR H2S/DSCF	BACT
		NOX	20.4000 LB/H GAS 0.1200 LB/MMBTU GAS	BACT

	COMBUSTION CONTROLS	
CO	2.6000 LB/H GAS	BACT
	0.0150 LB/MMBTU GAS	
	COMBUSTION CONTROL	
VOC	0.5000 LB/H GAS	BACT
	0.0070 LB/MMBTU GAS	

(CONTINUED) NEDERLAND PROCESSING CO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
VALVES -- GAS VAPOR, 396		VOC	2.1000 LB/H	BACT
VALVES -- LIGHT LIQUID, 268		VOC	0.9000 LB/H	BACT
VALVES -- HEAVY LIQUID, 357		VOC	0.2000 LB/H	BACT
FLANGES, 3650		VOC	2.1000 LB/H	BACT
OIL/WATER SEP		VOC	3.6000 LB/H	BACT
PUMPS -- LIGHT LIQUID, 58		VOC	2.0000 LB/H	BACT
PUMPS -- HEAVY LIQUID, 7		VOC	0.3000 LB/H	BACT
COOLING TOWER		VOC	3.6000 LB/H	BACT
STORAGE TANKS, 6	55.00 MMBL EA	VOC	7.8000 LB/H TOTAL EXTERNAL FLOATING ROOFS	BACT

NOTES -----

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

SOURCE TYPE/SIZE--- PETROLEUM REFINING - AUXILIARY

COMPANY NAME/SITE LOCATION PETRACO VALLEY OIL & REFINING CO.
1201 DAIRY ASHFORD, SUITE 150

HOUSTON, TX

CAMERON COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.

PERMIT NO. TX-236

DETERMINATION MADE BY

EPA REGION VI
(AGENCY)JOHN BUNYAK
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 10/15/80

ESTIMATED DATE OF START-UP--

(214)-767-1594

(PHONE)

PROCESSES SUBJECT
TO THIS PERMITTHROUGHPUT
CAPACITYPOLLUTANT
EMITTED

EMISSION LIMITS

CONTROL EQUIPMENT OR PROCESS MODIFICATION

... & BASIS
... PCT EFF

HEATER, CRUDE CHARGE

427.00 MMBTU/H

PM

3.2000 LB/H

BACT

0.0070 LB/MMBTU

GAS FIRED, F.G. O2 CONTROL

SO2

6.8000 LB/H

NSPS

0.0100 LB/MMBTU

LOW S GAS (0.1 GR H2S/DSCF)

NOX

51.3000 LB/H

BACT

0.1200 LB/MMBTU

LEA FIRING, F.G. O2 CONTRL

VOC

0.8000 LB/H

BACT

0.0020 LB/MMBTU

F.G. O2 CONTROL

CO

4.6000 LB/H

BACT

0.0100 LB/MMBTU

F.G. O2 CONTROL

HEATER, VACUUM CHARGE

219.00 MMBTU/H

PM

1.7000 LB/H

BACT

0.0070 LB/MMBTU

GAS FIRED, F.G. O2 CONTRL

SO2

3.5000 LB/H

NSPS

0.0200 LB/MMBTU

		LOW S GAS (0.1 GR H2S/DSCF)	
NOX	26.2000	LB/H	BACT
	0.1200	LB/MMBTU	
		LEA FIRING, F.G. O2 CONTRL	
VOC	0.4000	LB/H	BACT
	0.0020	LB/MMBTU	
		F.G. O2 CONTROL	
CO	2.3000	LB/H	BACT
	0.0100	LB/MMBTU	
		F.G. O2 CONTROL	

(CONTINUED) PETRACO VALLEY OIL & REFINING CO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
COKER HEATER	401.00 MMBTU/H	PM	3.0000 LB/H 0.0070 LB/MMBTU GAS FIRED, F.G. O2 CONTRL	BACT
		SO2	6.7000 LB/H 0.0200 LB/MMBTU LOW S GAS, (0.1 GR H2S/DSCF)	BACT
		NOX	48.1000 LB/H 0.1200 LB/MMBTU LEA FIRING, F.G. O2 CONTRL	BACT
		VOC	0.9000 LB/H 0.0020 LB/MMBTU F.G. O2 CONTROL	BACT
		CO	4.7000 LB/H 0.0100 LB/MMBTU F.G. O2 CONTROL	BACT
FCCU REGENERATOR	24.90 MMBL/D	PM	16.7000 LB/H 1.0000 LB/MLB COKE ESP	NSPS 75.00
		SO2	116.9000 LB/H S REDUCTION CATALYST	BACT 85.00
		NOX	39.3000 LB/H LEA FIRING, F.G. O2 CONTROL	BACT
		VOC	12.7000 LB/H F.G. O2 CONTROL	BACT
		CO	61.2000 LB/H 0.0500 % BY VOL. F.G. O2 CONTROL	NSPS
HEATER, HYDROHEATER FEED	147.00 MMBTU/H	PM	1.1000 LB/H 0.0070 LB/MMBTU GAS FIRED, F.G. O2 CONTRL	BACT
		SO2	2.6000 LB/H 0.0200 LB/MMBTU LOW S GAS (0.1 GR H2S/DSCF)	NSPS
		NOX	17.6000 LB/H 0.1200 LB/MMBTU	BACT

		LEA FIRING, F.G. O2 CONTROL	
VOC	0.3000	LB/H	BACT
	0.0020	LB/MMBTU	
		F.. O2 CONTROL	
CO	1.7000	LB/H	BACT
	0.0100	LB/MMBTU	
		F.. O2 CONTROL	

(CONTINUED) PETRACO VALLEY OIL & REFINING CO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
HEATER, HYDROCRACKER	352.00 MMBTU/H	PM	2.7000 LB/H 0.0070 LB/MMBTU GAS FIRED, F.G. O2 CONTRL	BACT
		SO2	6.1000 LB/H 0.0200 LB/MMBTU LOW S GAS, 0.1 GR H2S/DSCF	NSPS
		NOX	42.3000 LB/H 0.1200 LB/MMBTU LEA FIRING, F.G. O2 CONTRL	BACT
		VOC	0.8000 LB/H 0.0020 LB/MMBTU F.G. O2 CONTROL	BACT
		CO	4.1000 LB/H 0.0100 LB/MMBTU F.G. O2 CONTROL	BACT
REGENERATOR, PLATFORMER CAT.		PM	TRACE NONE	BACT
		SO2	0.1000 LB/H NONE	BACT
		NOX	TRACE NONE	BACT
		VOC	TRACE NONE	BACT
		CO	TRACE NONE	BACT
HEATER, PLATFORM FEED	932.00 MMBTU/H	PM	53.2000 LB/H 0.0070 LB/MMBTU OIL FIRED, F.G. O2 CONTRL	BACT
		SO2	570.9000 LB/H 0.0200 LB/MMBTU LOW S GAS, 0.7% S/LB	BACT
		NOX	321.9000 LB/H 0.1200 LB/MMBTU LEA FIRING, F.G. O2 CONTRL	BACT
		VOC	5.3000 LB/H	BACT

0.0020 LB/MMBTU
F.G. O2 CONTROL
CO 26.8000 LB/H
0.0100 LB/MMBTU
F.G. O2 CONTROLS

BACT

(CONTINUED) PETRACO VALLEY OIL & REFINING CO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
HEATER, PENEX ISOMER FEED	15.00 MMBTU/H	PM	0.1000 LB/H 0.0070 LB/MMBTU GAS FIRED, F.G. O2 CONTROL	BACT
		SO2	0.3000 LB/H 0.0200 LB/MMBTU LOW S GAS, 0.1 GR H2S/DSCF	NSPS
		NOX	1.7000 LB/H 0.1200 LB/MMBTU LEA FIRING, F.G. O2 CONTRL	BACT
		VOC	TRACE F.G. O2 CONTROL	BACT
		CO	0.2000 LB/H 0.0100 LB/MMBTU F.G. O2 CONTROL	BACT
INCIN., SULFUR PLANT	48.00 MMBTU/H	PM	0.4000 LB/H 0.0080 LB/MMBTU NONE	BACT
		SO2	26.0000 LB/H 0.0200 % BY VOL. SULFUR PLANT, SULFUR RECOVERY	NSPS 99.90
		NOX	67.4000 LB/H 1.4000 LB/MMBTU LEA FIRING, F.G. O2 CONTRL	BACT
		VOC	0.1000 LB/H 0.0020 LB/MMBTU F.G. O2 CONTROL	BACT
		CO	0.4000 LB/H 0.0080 LB/MMBTU F.G. O2 CONTROL	BACT
HEATER, HF ALK ISOSTRIPPER REBO*	233.00 MMBTU/H	PM	1.7000 LB/H 0.0070 LB/MMBTU GAS FIRED, F.G. O2 CONTRL	BACT
		SO2	4.0000 LB/H 0.0200 LB/MMBTU LOW S GAS, 0.1 GR H2S/DSCF	NSPS

NOX	28.0000 LB/H	BACT
	0.1200 LB/MMBTU	
	LEA FIRING, F.G. O2 CONTRL	
VOC	0.5000 LB/H	BACT
	0.0020 LB/MMBTU	
	F.G. O2 CONTROLS	
CO	2.7000 LB/H	BACT
	0.0100 LB/MMBTU	
	F.G. O2 CONTROL	

(CONTINUED) PETRACO VALLEY OIL & REFINING CO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
HEATER, BUTAMER ISOMER	12.00 MMBTU/H	PM	0.1000 LB/H 0.0070 LB/MMBTU GAS FIRED, F.G. O2 CONTROL	BACT
		SO2	0.2000 LB/H 0.0200 LB/MMBTU LOW S GAS, 0.1 GR H2S/DSCF	BACT
		NOX	1.4000 LB/H 0.1200 LB/MMBTU LEA FIRING, F.G. O2 CONTRL	BACT
		VOC	TRACE F.G. O2 CONTROL	BACT
		CO	0.1000 LB/H 0.0100 LB/MMBTU F.G. O2 CONTROL	BACT
FLARE		SO2	112.1000 LB/H NONE	
		NOX	78.8000 LB/H STEAM INJECTION	BACT
		VOC	3.3000 LB/H STEAM INJECTION	BACT
		CO	17.8000 LB/H STEAM INJECTION	BACT
		PM	0.0000 LB/H STEAM INJECTION	BACT
BOILER	255.00 MMBTU/H	PM	1.9000 LB/H 0.0070 LB/MMBTU GAS FIRED, F.G.O2 CONTRL	BACT
		SO2	3.4000 LB/H 0.0100 LB/MMBTU LOW S GAS, 0.1 GR H2S/DSCF	NSPS
		NOX	31.7000 LB/H 0.1200 LB/MMBTU LEA FIRING, F.G. O2 CONTROL	BACT
		VOC	0.4000 LB/H 0.0020 LB/MMBTU	BACT

CO F.G. 02 CONTROL
 2.3000 LB/H
 0.0100 LB/MMBTU
 F.G. 02 CONTROL

BACT

(CONTINUED) PETRACO VALLEY OIL & REFINING CO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
HEATER, OIL	163.00 MMBTU/H			
		PM	1.2000 LB/H 0.0070 LB/MMBTU GAS FIRED, F.G. O2 CONTRL	BACT
		SO2	2.8000 LB/H 0.0100 LB/MMBTU LOW S GAS, 0.1 GR H2S/DSCF	NSPS
		NOX	19.6000 LB/H 0.1200 LB/MMBTU LEA FIRING, F.G. O2 CONTROL	BACT
		VOC	0.4000 LB/H 0.0020 LB/MMBTU F.G. O2 CONTROL	BACT
		CO	1.9000 LB/H 0.0100 LB/MMBTU F.G. O2 CONTROL	BACT
HEATER, SCOT UNIT FEED	5.00 MMBTU/H			
		PM	TRACE NONE	BACT
		SO2	0.1000 LB/H 0.0100 LB/MMBTU NONE	BACT
		NOX	0.6000 LB/H 0.1200 LB/MMBTU NONE	BACT
		VOC	TRACE NONE	BACT
		CO	0.1000 LB/H 0.0100 LB/MMBTU NONE	BACT

NOTES -----

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

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ID NUMBER TX-0073

SOURCE TYPE CODE 5.5

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

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=====
SOURCE TYPE/SIZE---      PETROLEUM REFINING - AUXILIARY      130000.00 BPSD
-----

COMPANY NAME/SITE LOCATION  PHILLIPS PETROLEUM CO.      BORGER, TX      HUTCHINSON COUNTY
                           BORGER REF NGL CONTR.
-----

DETERMINATION IS BACT FOR A MODIFIED SOURCE.      DATE OF PERMIT ISSUANCE-- 10/15/81
PERMIT NO. PSD-TX-102M-1      ESTIMATED DATE OF START-UP--
DETERMINATION MADE BY      EPA REGION VI      JOHN BUNYAK      (214)-767-1594
                           (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
-----

I.C. ENGINE, 2      650.00 HP EA

      SO2      0.0320 LB/MMBTU GAS
      0.8000 LB/MMBTU OIL
      0.7% S IN OIL
      NOX      0.1360 LB/MMBTU GAS
      0.4000 LB/MMBTU OIL
      02 MONITORING
      VOC      0.0036 LB/MMBTU GAS
      0.0070 LB/MMBTU OIL
      02 MONITORING
      CO      0.0170 LB/MMBTU GAS
      0.0340 LB/MMBTU OIL
      02 MONITORING
      PM      0.0100 LB/MMBTU GAS
      0.0700 LB/MMBTU OIL

TURBINE, 2      3000.00 HP EA

      SO2      0.0320 LB/MMBTU GAS
      0.8000 LB/MMBTU OIL
      0.7% S IN OIL
      NOX      0.1360 LB/MMBTU GAS
      0.4000 LB/MMBTU OIL
      02 MONITORING
=====

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VOC	0.0036	LB/MMBTU GAS
	0.0070	LB/MMBTU OIL
		O2 MONITORING
CO	0.0170	LB/MMBTU GAS
	0.0340	LB/MMBTU OIL
		O2 MONITORING
PM	0.0100	LB/MMBTU GAS
	0.0700	LB/MMBTU OIL

(CONTINUED) PHILLIPS PETROLEUM CO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
HEATERS, 4	32.00 MMBTU/H	SO2	0.0320 LB/MMBTU GAS AS FUEL	
		NOX	0.1360 LB/MMBTU O2 MONITORING	
		VOC	0.0036 LB/MMBTU O2 MONITORING	
		CO	0.0170 LB/MMBTU O2 MONITORING	
		PM	0.0100 LB/MMBTU GAS AS FUEL	
CRUDE OIL TANKS, 3	200.00 MMBL	VOC	1.8300 T/YR EA EPA EQUIV. STAND & MAINT. PROG	
FUGITIVE EMISSIONS		VOC	140.0000 T/YR EPA EQUIV. STAND & MAINT. PROG	
CO BOILERS, 2	370.00 MMBTU/H	SO2	0.1000 LB/MMBTU	
		NOX	1.9000 LB/MMBTU O2 MONITORING	
		VOC	0.0014 LB/MMBTU O2 MONITORING	
		CO	0.0170 LB/MMBTU O2 MONITORING	
		PM	0.3100 LB/MMBTU GAS AS FUEL	
I.C. COMPRESSOR	720.00 HP	SO2	0.1000 G/HP-H GAS AS FUEL	
		NOX	10.9000 G/HP-H	
		VOC	4.4200 G/HP-H	
		CO	1.3900 G/HP-H	
		PM	0.0200 G/HP-H GAS AS FUEL	

NOTES -----

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

NATURAL GAS FIRED

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

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ID NUMBER TX-0052

SOURCE TYPE CODE 5.5

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

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=====
SOURCE TYPE/SIZE---      PETROLEUM REFINING - AUXILIARY      10000.00 BBL/D
-----
COMPANY NAME/SITE LOCATION  PROCESS REFIN. CO.      BAKERSFIELD, CA
-----
DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. SJ-78-27
DETERMINATION MADE BY      EPA REGION IX      MATT HABER      DATE OF PERMIT ISSUANCE-- 09/19/79
                           (AGENCY)          (AGENCY CONTACT PERSON)  ESTIMATED DATE OF START-UP--
                                           (415)-974-8058
                                           (PHONE)
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PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
VACUUM HEATER	25.00 MMBTU/H	NOX	0.2700 LB/MMBTU LOW NOX BURNERS	35.00
CRUDE HEATER	20.00 MMBTU/H	NOX	0.2700 LB/MMBTU LOW NOX BURNERS	35.00
BOILER, 2 EA	4.31 MMBTU/H	NOX	0.2700 LB/MMBTU LOW NOX BURNERS	35.00

NOTES -----

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983 04/04/1984

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

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SOURCE TYPE/SIZE---	PETROLEUM REFINING - AUXILIARY	50.00 MBPSD

COMPANY NAME/SITE LOCATION	PROVIDENT ENERGY CO.	MOBILE, AZ

DETERMINATION IS BACT FOR A NEW SOURCE. PERMIT NO. (REGION FILE NO.) AZP79-02 DETERMINATION MADE BY EPA REGION IX (AGENCY)		DATE OF PERMIT ISSUANCE-- 03/03/80 ESTIMATED DATE OF START-UP-- (415)-974-8038 (PHONE)
JIM HANSON (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 & HEATER		NOX	0.4300 LB/MMBTU 2H AV LOW NOX BURNERS	
		SO2	FUEL LIM:H2S-.1GR/DSCF,S-.4%WT	
CLAUS SULFUR RECOVERY UNIT		H2S	SCOT TAIL GAS UNIT	
FCC UNIT & CATALYST REGEN.		PM	1.0000 LB/MLB COKE BURNED 3 STAGE CATALYST SEP. & ESP	
		CO	CO BOILER	
		SO2	FUEL LIM:H2S-.1GR/DSCF,S-.1%WT	

NOTES -----

BACT RESOLUTION: REFINERY FUEL OIL WILL BE FILTERED TO REDUCE PM. 1) FACILITY: 50000 EBL/STREAM DAY 2) LIMITS DETERMINED BY TECHNOLOGY AND NSPS CONSIDERATIONS. CONTROL OF HC EMISSIONS FROM FACILITY INCLUDE INSPECTION/MAINTENANCE PROGRAM, COVERED OIL/WATER SEPARATOR, VAPOR RECOVERY ON LIGHT GASOLINE TANKS, AND DOUBLE SEALED FLOATING ROOF TANKS ON OTHER GASOLINE TANKS.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

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ID NUMBER AZ-0001

SOURCE TYPE CODE 5.5

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

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=====
SOURCE TYPE/SIZE---      PETROLEUM REFINING - AUXILIARY      100.00 MBPSD
-----
COMPANY NAME/SITE LOCATION  SABER REFIN.      CORPUS CHRISTI, TX      NEUCES COUNTY
                           6560 UPRIVER ROAD
-----
DETERMINATION IS BACT FOR A MODIFIED SOURCE.      DATE OF PERMIT ISSUANCE-- 05/08/81
PERMIT NO. (REGION FILE NO.) PSD-TX-324      ESTIMATED DATE OF START-UP--
DETERMINATION MADE BY      EPA REGION VI      JOHN BUNYAK      (214)-767-1594
                           (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
HEATERS, 5	365.00 MMBTU/H	PM	0.0100 LB/MMBTU REF. FIELD GAS	BACT
		SO2	0.0140 LB/MMBTU FIRE REFINERY FLUE GAS	NSPS
		NOX	0.1200 LB/MMBTU LOW NOX BURNERS	BACT
		CO	0.0160 LB/MMBTU EFFICIENT COMBUSTION	BACT
FURNACES, 5	178.00 MMBTU/H	PM	0.0100 LB/MMBTU REF. FUEL GAS	BACT
		SO2	0.0140 LB/MMBTU REF. FUEL GAS	NSPS
		NOX	0.1200 LB/MMBTU LOW NOX BURNERS	BACT
		CO	0.0160 LB/MMBTU EFFICIENT COMBUSTION	BACT
REBOILERS, 2	158.00 MMBTU/H	PM	0.0100 LB/MMBTU REF. FUEL GAS	BACT
		SO2	0.0140 LB/MMBTU	NSPS

NOX	0.1200	REF. FUEL GAS LB/MMBTU	BACT
		LOW NOX BURNERS	
CO	0.0160	LB/MMBTU	BACT
		EFFICIENT COMBUSTION	

(CONTINUED) SABER REFIN.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
REFORMERS, 2	356.00 MMBTU/H	PM	0.0100 LB/MMBTU REF. FUEL GAS	BACT
		SO2	0.0140 LB/MMBTU FIRE REF. FUEL GAS	NSPS
		NOX	0.1200 LB/MMBTU LOW NOX BURNERS	BACT
		CO	0.0160 LB/MMBTU EFFICIENT COMBUSTION	BACT
HEAVY OIL CRACKING UNIT	46500.00 BPSD	PM	5.6000 LB/H 3-STAGE CYCLONE	BACT
		SO2	178.0000 PPM FLUE GAS DESULFURIZATION	NSPS 98.20
		NOX	203.0000 LB/H NO CONTROLS AVAILABLE	BACT
		CO	178.0000 PPM WASTE HEAT BOILER	NSPS

NOTES -----

H2S CONTENT OF FLUE GAS WILL BE LIMITED TO 0.054 GRAINS/DSCF.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

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=====
SOURCE TYPE/SIZE---      PETROLEUM REFINING - AUXILIARY      67.00 MBPSD
-----
COMPANY NAME/SITE LOCATION  SIGMORE REFIN. CO.      SAN ANTONIO, TX 78220
                           P.O. BOX 20267                      LIVE OAK COUNTY
-----
DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. (REGION FILE NO.) PSD-TX-331
DETERMINATION MADE BY      EPA REGION VI      JOHN BUNYAK
                           (AGENCY)          (AGENCY CONTACT PERSON)
                                           DATE OF PERMIT ISSUANCE-- 12/10/80
                                           ESTIMATED DATE OF START-UP--
                                           (214)-767-1594
                                           (PHONE)
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PROCESSES SUBJECT      THROUGHPUT      POLLUTANT      EMISSION LIMITS      ... & BASIS
TO THIS PERMIT          CAPACITY        EMITTED        CONTROL EQUIPMENT OR PROCESS MODIFICATION ... PCT EFF
-----
HEATER, #1 CRUDE        59.50 MMBTU/H

      PM      2.7500 LB/H      EFFICIENT COMBUSTION      BACT
      SO2     22.1800 LB/H      0.7% S FUEL OIL          BACT
      NOX     9.3400 LB/H      EFFICIENT COMBUSTION      BACT
      CO      2.1300 LB/H      EFFICIENT COMBUSTION      BACT

HEATER, LUBE CRUDE      10.80 MMBTU/H

      PM      0.0600 LB/H      EFFICIENT COMBUSTION      BACT
      SO2     0.2300 LB/H      0.7% S FUEL OIL          BACT
      NOX     2.4800 LB/H      EFFICIENT COMBUSTION      BACT
      CO      0.1800 LB/H      EFFICIENT COMBUSTION      BACT

FCCU REGENERATOR        40.00 MBPSD

      PM      12.0000 LB/H      ESP                      NSPS
      SO2     205.4200 LB/H                      90.00
                                           BACT
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NOX	37.0100	HIGH TEMP REGEN. LB/H	BACT
CO	90.1200	HIGH TEMP REGEN. LB/H	BACT
		HIGH TEMP REGEN.	

(CONTINUED) SIGMORE REFIN. CO.

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

REBOILER, ISOSTRIPPER	48.80 MMBTU/H	PM	3.3100 LB/H EFFICIENT COMBUSTION	BACT	
		SO2	38.6000 LB/H 0.7% S FUEL OIL	BACT	
		NOX	32.8700 LB/H EFFICIENT COMBUSTION	BACT	
		CO	1.6500 LB/H EFFICIENT COMBUSTION	BACT	
BOILER	167.80 MMBTU/H	PM	11.3600 LB/H EFFICIENT COMBUSTION	BACT	
		SO2	132.7200 LB/H 0.7% S FUEL OIL	BACT	
		NOX	113.0400 LB/H EFFICIENT COMBUSTION	BACT	
		CO	9.6800 LB/H EFFICIENT COMBUSTION	BACT	
HEATER, VISBREAKER CHARGE	40.00 MMBTU/H	PM	2.7100 LB/H EFFICIENT COMBUSTION	BACT	
		SO2	31.6400 LB/H 0.7% S FUEL OIL	BACT	
		NOX	26.9500 LB/H EFFICIENT COMBUSTION	BACT	
		CO	1.3500 LB/H EFFICIENT COMBUSTION	BACT	
HEATER, VACUUM DISTALLATION	96.50 MMBTU/H	PM	1.6000 LB/H EFFICIENT COMBUSTION	BACT	
		SO2	19.4900 LB/H .7% S FUEL, SCRUB TO .1 GR/DSCF	BACT	
		NOX	20.8000 LB/H EFFICIENT COMBUSTION	BACT	
		CO	2.5000 LB/H EFFICIENT COMBUSTION	BACT	

(CONTINUED) SIGHORE REFIN. CO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
HEATER, #2 CRUDE UNIT	18.10 MMBTU/H	PM	0.2700 LB/H EFFICIENT COMBUSTION	BACT
		SO2	0.0100 LB/H 0.7% S FUEL OIL	BACT
		NOX	4.1600 LB/H EFFICIENT COMBUSTION	BACT
		CO	0.3100 LB/H EFFICIENT COMBUSTION	BACT
HEATER, VISBREAKER CHARGE	40.00 MMBTU/H	PM	2.7100 LB/H EFFICIENT COMBUSTION	BACT
		SO2	31.6400 LB/H 0.7% S FUEL OIL	BACT
		NOX	26.9500 LB/H EFFICIENT COMBUSTION	BACT
		CO	1.3500 LB/H EFFICIENT COMBUSTION	BACT
HEATER, CRUDE CHARGE	130.40 MMBTU/H	PM	8.8300 LB/H EFFICIENT COMBUSTION	BACT
		SO2	103.1400 LB/H 0.7% S FUEL OIL	BACT
		NOX	87.8400 LB/H EFFICIENT COMBUSTION	BACT
		CO	4.4200 LB/H EFFICIENT COMBUSTION	BACT
REBOILER, NAPHTHA STABILIZER	19.50 MMBTU/H	PM	1.3200 LB/H EFFICIENT COMBUSTION	BACT
		SO2	15.4200 LB/H 0.7% S FUEL OIL	BACT
		NOX	13.1400 LB/H EFFICIENT COMBUSTION	BACT
		CO	0.6600 LB/H EFFICIENT COMBUSTION	BACT

(CONTINUED) SIGMORE REFIN. CO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
HEATER, NAPHTHA HDS CHARGE	36.40 MMBTU/H	PM	0.1900 LB/H EFFICIENT COMBUSTION	BACT
		SO2	1.0000 LB/H FUEL GAS SCRUB. TO 0.1 GR/DSCF	BACT
		NOX	4.4600 LB/H EFFICIENT COMBUSTION	BACT
		CO	0.6300 LB/H EFFICIENT COMBUSTION	BACT
REBOILER, NAPHTHA SPLITTER	27.30 MMBTU/H	PM	0.1400 LB/H EFFICIENT COMBUSTION	BACT
		SO2	0.7500 LB/H FUEL GAS SCRUB. TO 0.1 GR/DSCF	BACT
		NOX	3.3400 LB/H EFFICIENT COMBUSTION	BACT
		CO	0.4700 LB/H EFFICIENT COMBUSTION	BACT
HEATER, 1ST REFORMER	59.50 MMBTU/H	PM	0.3100 LB/H EFFICIENT COMBUSTION	BACT
		SO2	1.6300 LB/H FUEL GAS SCRUB. TO 0.1 GR/DSCF	BACT
		NOX	7.2900 LB/H EFFICIENT COMBUSTION	BACT
		CO	1.0300 LB/H EFFICIENT COMBUSTION	BACT
HEATER, 2ND REFORMER	52.80 MMBTU/H	PM	0.2700 LB/H EFFICIENT COMBUSTION	BACT
		SO2	1.4500 LB/H FUEL GAS SCRUB. TO 0.1 GR/DSCF	BACT
		NOX	6.4700 LB/H EFFICIENT COMBUSTION	BACT
		CO	0.9200 LB/H EFFICIENT COMBUSTION	BACT

(CONTINUED) SIGMORE REFIN. CO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
HEATER, 3RD REFORMER	26.40 MMBTU/H	PM	0.1400 LB/H EFFICIENT OPERATION	BACT
		SO2	0.7200 LB/H FUEL GAS SCRUB. TO 0.1 GR/DSCF	BACT
		NOX	3.2300 LB/H EFFICIENT COMBUSTION	BACT
		CO	0.4600 LB/H EFFICIENT COMBUSTION	BACT
HEATER, 4TH REFORMER	13.20 MMBTU/H	PM	0.0700 LB/H EFFICIENT COMBUSTION	BACT
		SO2	0.3600 LB/H FUEL GAS SCRUB. TO 0.1 GR/DSCF	BACT
		NOX	1.6200 LB/H EFFICIENT COMBUSTION	BACT
		CO	0.2300 LB/H EFFICIENT COMBUSTION	BACT
REBOILER, REFORMER STABILIZER	16.40 MMBTU/H	PM	0.0800 LB/H EFFICIENT COMBUSTION	BACT
		SO2	0.4500 LB/H FUEL GAS SCRUB. TO 0.1 GR/DSCF	BACT
		NOX	2.0100 LB/H EFFICIENT COMBUSTION	BACT
		CO	0.2800 LB/H EFFICIENT COMBUSTION	BACT
REBOILER, KEROSENE HDS STRIPPER	13.60 MMBTU/H	PM	0.0700 LB/H EFFICIENT OPERATION	BACT
		SO2	0.3700 LB/H FUEL GAS SCRUB. TO 0.1 GR/DSCF	BACT
		NOX	1.6700 LB/H EFFICIENT COMBUSTION	BACT
		CO	0.2400 LB/H EFFICIENT COMBUSTION	BACT

(CONTINUED) SIGMORE REFIN. CO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
HEATER, GAS OIL HDS CHARGE	97.80 MMBTU/H	PM	0.5000 LB/H EFFICIENT COMBUSTION	BACT
		SO2	2.6800 LB/H FUEL GAS SCRUB. TO 0.1 GR/DSCF	BACT
		NOX	11.9800 LB/H EFFICIENT COMBUSTION	BACT
		CO	1.7000 LB/H EFFICIENT COMBUSTION	BACT
REBOILER, DEETHANIZER	25.20 MMBTU/H	PM	0.1300 LB/H EFFICIENT COMBUSTION	BACT
		SO2	0.6900 LB/H FUEL GAS SCRUB. TO 0.1 GR/DSCF	BACT
		NOX	3.0900 LB/H EFFICIENT COMBUSTION	BACT
		CO	0.4400 LB/H EFFICIENT COMBUSTION	BACT

NOTES -----

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

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ID NUMBER TX-0039

SOURCE TYPE CODE 5.5

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

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SOURCE TYPE/SIZE---	PETROLEUM REFINING - AUXILIARY	31500.00 BPSD

COMPANY NAME/SITE LOCATION	SOUTHERN UNION REFIN. 5 MI SE LOVINGTON	LOVINGTON, NM LEA COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE. PERMIT NO. NM-350 DETERMINATION MADE BY EPA REGION VI (AGENCY)		DATE OF PERMIT ISSUANCE-- 10/05/81 ESTIMATED DATE OF START-UP-- (214)-767-1594 (PHONE)
JOHN BUNYAK (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

HEATER, 13 EA	85.00 MMBTU/H	PM	0.0050 LB/MMBTU GAS FUEL GAS OR LOW SULFUR OIL	BACT
		SO2	0.0270 LB/MMBTU FUEL OIL OR NATURAL GAS	BACT
		NOX	0.1200 LB/MMBTU LOW NOX BURNERS	BACT
SULFUR RECOVERY UNIT		SO2	0.8400 LB/H CLAUS UNIT	BACT

NOTES -----
13 HEATERS AND 1 SULFUR RECOVERY UNIT.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

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APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

SOURCE TYPE/SIZE--- PETROLEUM REFINING - AUXILIARY

COMPANY NAME/SITE LOCATION TENNECO

CHALMETTE, LA

ST. BERNARD PARISH

DETERMINATION IS BACT FOR A MODIFIED SOURCE.

PERMIT NO. PSD-LA-199

DATE OF PERMIT ISSUANCE-- 12/23/81

DETERMINATION MADE BY

EPA REGION VI
(AGENCY)TOM DIGGS
(AGENCY CONTACT PERSON)ESTIMATED DATE OF START-UP-- 1984
(214)-767-1594
(PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
HEATERS, 26	287.00 MMBTU/H	CO	0.0210 LB/MMBTU GAS 0.0300 LB/MMBTU OIL O2 MONITORING	BACT
BOILERS, 13	160.00 MMBTU/H	CO	0.0210 LB/MMBTU GAS 0.0300 LB/MMBTU OIL O2 MONITORING	BACT
CO BOILER	350.00 MMBTU/H	CO	0.0210 LB/MMBTU GAS 0.0300 LB/MMBTU OIL O2 MONITORING	BACT
FLARES, 2		CO	1.6000 LB/H EA NONE	BACT
SULFUR PLANT	6.60 MMBTU/H	CO	0.0380 LB/MMBTU NONE	BACT

(CONTINUED) TENNECO

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
FCCU REGEN	42000.00 BPSD	CO	212.8000 LB/H COMPLIANCE W/NSPS	NSPS

NOTES -----

26 HEATERS RANGING IN SIZE FROM 11 TO 287 MMBTU/HR. 13 BOILERS RANGING IN SIZE FROM 24 TO 160 MMBTU/HR.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

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SOURCE TYPE/SIZE---	PETROLEUM REFINING - AUXILIARY	100000.00 BPSD
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COMPANY NAME/SITE LOCATION	TEXACO, INC.	CONVENT, LA	ST. JAMES PARISH
----------------------------	--------------	-------------	------------------

DETERMINATION IS BACT FOR A MODIFIED SOURCE.		DATE OF PERMIT ISSUANCE--	11/16/81
PERMIT NO. (REGION FILE NO.)	PSD-LA-420	ESTIMATED DATE OF START-UP--	
DETERMINATION MADE BY	EPA REGION VI	(214)-767-1594	
	(AGENCY)		(PHONE)
	JOHN BUNYAK		
	(AGENCY CONTACT PERSON)		

=====

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

HEATERS, 15 EA	198.00 MMBTU/H	CO	0.0300 LB/MMBTU FLUE GAS O2 MONITOR LOW EXCESS AIR	BACT
ACID GAS INCIN.	8.00 MMBTU/H	CO	0.9300 LB/MMBTU LOW EXCESS AIR, FLUE GAS O2 MONITOR	BACT
ERG INCINERATOR	13.10 MMBTU/H	CO	0.0200 LB/MMBTU LOW EXCESS AIR, FLUE GAS O2 MONITOR	BACT

NOTES -----

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

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ID NUMBER LA-0007

SOURCE TYPE CODE 5.5

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

=====

SOURCE TYPE/SIZE---	PETROLEUM REFINING - AUXILIARY	140000.00 BPSD

COMPANY NAME/SITE LOCATION	TEXACO, INC.	CONVENT, LA
		ST. JAMES PARISH

DETERMINATION IS BACT FOR A MODIFIED SOURCE.		DATE OF PERMIT ISSUANCE-- 04/23/81
PERMIT NO. (REGION FILE NO.) PSD-LA-378		ESTIMATED DATE OF START-UP--
DETERMINATION MADE BY	EPA REGION VI	(214)-767-1594
	(AGENCY)	(PHONE)
	JOHN BUNYAK	
	(AGENCY CONTACT PERSON)	

=====

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

MTU-CRU FLUE GAS COOLER	670.00 MMBTU/H	CO	0.0200 LB/MMBTU HIGH TEMP REGENERATION (HTR)	BACT
INCIN., 3 EA	13.10 MMBTU/H	CO	0.0200 LB/MMBTU HIGH TEMP REGENERATION (HTR)	BACT
POWER RECOVERY STACK		CO	LIMIT EMISSIONS TO 500 PPM	NSPS

NOTES -----

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

SOURCE TYPE/SIZE--- PETROLEUM REFINING - AUXILIARY

COMPANY NAME/SITE LOCATION TEXACO, INC.
P.O. BOX 712

PORT ARTHUR, TX 77640

JEFFERSON COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.

PERMIT NO. TX-141

DATE OF PERMIT ISSUANCE-- 06/20/79

DETERMINATION MADE BY

EPA REGION VI
(AGENCY)JOHN BUNYAK
(AGENCY CONTACT PERSON)

ESTIMATED DATE OF START-UP--

(214)-767-1594
(PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
FCCU	170.00 MBBL/D	S02	406.3000 LB/H SOX REDUCTION CATALYST	NSPS 75.00
HEATER #1407	30.74 SCFM	S02	4.5000 LB/H 0.1 GR/DSCF, AMINE SCRUB.	NSPS
FLUE GAS SCRUB./SULFUR RECOVERY		S02	1.1000 LB/H SEE NOTE TAIL GAS TREATING UNIT	NSPS 99.97

NOTES -----

NOTE: F.G. SCRUB./S RECOVERY EMISSIONS ARE INCREASE ONLY OVER EXISTING CONDITIONS.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

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ID NUMBER TX-0064

SOURCE TYPE CODE 5.5

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

=====

SOURCE TYPE/SIZE---

PETROLEUM REFINING - AUXILIARY

COMPANY NAME/SITE LOCATION

TOSCO CORP.

BAKERSFIELD, CA

DETERMINATION IS

FOR A MODIFIED SOURCE.

DATE OF PERMIT ISSUANCE-- 06/18/80

PERMIT NO. (REGION FILE NO.) SJ-78-26

ESTIMATED DATE OF START-UP--

DETERMINATION MADE BY EPA REGION IX

DAVID SOLOMON
(AGENCY CONTACT PERSON)(415)-974-8066
(PHONE)

=====

PROCESSES SUBJECT
TO THIS PERMITTHROUGHPUT
CAPACITYPOLLUTANT
EMITTED

EMISSION LIMITS

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

CO BOILER 92700.00 LB/H

CO

45.7000 LB/H

LAER

SO2

0.5000 % S FUEL

99.40

NOX

41.0000 LB/H

BACT

BOILER BURNS CO EMITTED FROM TCC UNIT
SULFUR IN AUXILIARY FUEL OIL
COMBUSTION MODIFICATION BASED ON 0.3 LB/MMBTU

NOTES -----

THERMOFOR CATALYTIC CRACKING. INSTALLATION OF CO BOILER ON REFINERY TCC' UNIT

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

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INITIAL REVIEW POST STARTUP

REVIEW STATUS: 04/01/1983 04/04/1984

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PAGE G- 442

ID NUMBER CA-0007

SOURCE TYPE CODE 5.5

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

=====

SOURCE TYPE/SIZE---

PETROLEUM REFINING - AUXILIARY

COMPANY NAME/SITE LOCATION TOSCO CORP.

MARTINEZ, CA

DETERMINATION IS BACT FOR A NEW SOURCE.

PERMIT NO. 27769

DETERMINATION MADE BY

BAY AREA AQMD
(AGENCY)JIM KARAS
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 02/19/82

ESTIMATED DATE OF START-UP-- 1983

(415)-771-6000

(PHONE)

=====

PROCESSES SUBJECT
TO THIS PERMITTHROUGHPUT
CAPACITYPOLLUTANT
EMITTED

EMISSION LIMITS

CONTROL EQUIPMENT OR PROCESS MODIFICATION ... & BASIS

... PCT EFF

FURNACE, REFINERY PROCESS, 2 TO* 119.00 MMBTU/H SEE*

NOX

40.0000 PPM AT 3% O2

BACT

LOW NOX BURNERS/1 SCR UNIT FOR BOTH FURNACES

70.00

FURNACE, REFINERY PROCESS

40.00 MMBTU/H

NOX

40.0000 PPM AT 3% O2

BACT

LOW NOX BURNERS / SCR

70.00

NOTES -----

BURNING REFINERY FUEL GAS WITH HEAT VALUE OF 1025 BTU/CF. NOTE -- THROUGH PUT CAPACITY IS TOTAL CAPACITY. ONE IS 67. MMBTU/H,
THE OTHER IS 52. MMBTU/H.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/19/1984

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ID NUMBER CA-0046A

SOURCE TYPE CODE 5.5

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

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=====
SOURCE TYPE/SIZE---      PETROLEUM REFINING - AUXILIARY      10000.00 BBL/D
-----
COMPANY NAME/SITE LOCATION  UNI OIL                                INGLESIDE, TX
                                           SAN PATRICIO COUNTY
-----
DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. (REGION FILE NO.) PSD-TX-229
DETERMINATION MADE BY      EPA REGION VI      JOHN BUNYAK
                           (AGENCY)          (AGENCY CONTACT PERSON)
                                           DATE OF PERMIT ISSUANCE-- 03/12/80
                                           ESTIMATED DATE OF START-UP--
                                           (214)-767-1594
                                           (PHONE)
=====

```

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
HEATER, VACUUM	66.65 MMBTU/H	SO2	1.2700 LB/H 0.0190 LB/MMBTU FUEL GAS: 0.1 GR/DSCF H2S	NSPS
		PM	1.5100 LB/H 0.0230 LB/MMBTU COMBUSTION CONTROL	BACT
		NOX	11.6000 LB/H 0.1740 LB/MMBTU COMBUS. CONTROL/LOW NOX BURN.	BACT
		CO	1.6700 LB/H 0.0250 LB/MMBTU COMBUSTION CONTROL	BACT
		VOC	0.1600 LB/H 0.0024 LB/MMBTU COMBUSTION CONTROL	BACT
FCC UNIT	17000.00 BBL/D	SO2	64.1000 LB/H F. G. : 0.1 GR/DSCF H2S	NSPS
		PM	12.0000 LB/H 1.0000 LB/MLB COKE BURN OFF ESP	NSPS

NOX	29.4000	LB/H	BACT
		CMBST. CONTRL. & LOW NOX BURN.	
CO	89.1000	LB/H	NSPS
		HIGH TEMP. REGENERATION	
VOC	2.6000	LB/H	BACT
		COMBUSTION CONTROL	

(CONTINUED) UNI OIL

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

HEATER, ISOSTRIPPER	38.24 MMBTU/H	SO2	0.6300 LB/H	NSPS
			0.0790 LB/MMBTU	
		PM	F.G. : 0.01 GR/DSCF H2S	BACT
			0.8700 LB/H	
		NOX	0.0230 LB/MMBTU	BACT
			COMBUSTION CONTROL	
		CO	6.8500 LB/H	BACT
			0.1790 LB/MMBTU	
		VOC	CHBST. CONTRL./LOW NOX BURN.	BACT
			1.1100 LB/H	
TAIL GAS INCIN		SO2	0.0290 LB/MMBTU	BACT
			COMBUSTION CONTROL	
		NOX	0.1600 LB/H	BACT
REGENERATOR, HYDROTREATER CATAL*		SO2	0.0042 LB/MMBTU	BACT
			COMBUSTION CONTROL	
		NOX	39.7000 LB/H	BACT
HEATER, REFORMER	161.00 MMBTU/H	SO2	NO CONTROL	BACT
			0.0790 LB/H	
		NOX	NO CONTROL	BACT
HEATER, REFORMER	161.00 MMBTU/H	SO2	0.2400 LB/H	NSPS
			F.G. : 0.1 GR/DSCF H2S	
		PM	0.7900 LB/H	BACT
			COMBUSTION CONTROL	
		NOX	1.9000 LB/H	BACT
			0.0120 LB/MMBTU	
		CO	F.G. : 0.1 GR/DSCF	BACT
			0.0790 LB/H	
		VOC	0.0005 LB/MMBTU	BACT
			COMBUSTION CONTROL	
HEATER, REFORMER		SO2	43.8000 LB/H	BACT
			0.2700 LB/MMBTU	
		NOX	CHBST. CONTRL./LOW NOX BURN.	BACT
HEATER, REFORMER		SO2	6.7500 LB/H	BACT
			0.0420 LB/MMBTU	
		NOX	43.8000 LB/H	BACT

VOC		COMBUSTION CONTROL
	0.8000	LB/H
	0.0050	LB/MMBTU
		COMBUSTION CONTROL

BACT

(CONTINUED) UNI OIL

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
HEATER, HDS	40.00 MMBTU/H	SO2	0.4800 LB/H 0.0120 LB/MMBTU F.G. : 0.1 GR/DSCF H2S	NSPS
		PM	1.4300 LB/H 0.0360 LB/MMBTU COMBUSTION CONTROL	BACT
		NOX	10.9000 LB/H 0.2700 LB/MMBTU CHBST. CONTRL./LOW NOX BURN.	BACT
		CO	1.6700 LB/H 0.0420 LB/MMBTU COMBUSTION CONTROL	BACT
		VOC	0.1600 LB/H 0.0040 LB/MMBTU COMBUSTION CONTROL	BACT
BOILER, PACKAGE	103.24 MMBTU/H	SO2	0.7900 LB/H 0.0077 LB/MMBTU F.G. : 0.1 GR/DSCF	NSPS
		PM	1.5900 LB/H 0.0150 LB/MMBTU COMBUSTION CONTROL	BACT
		NOX	7.9400 LB/H 0.0760 LB/MMBTU COMBUSTION CONTROL	BACT
		CO	0.7100 LB/H 0.0069 LB/MMBTU COMBUSTION CONTROL	BACT
		VOC	0.0600 LB/H 0.0006 LB/MMBTU COMBUSTION CONTROL	BACT

NOTES -----

THE NEW FACILITY WILL NOT INCREASE THE REFINERIES CRUDE HANDLING CAPACITY, BUT WILL ENABLE THE REFINERY TO MAKE PREMIUM UNLEADED GASOLINE.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

SOURCE TYPE/SIZE--- PETROLEUM REFINING - AUXILIARY

COMPANY NAME/SITE LOCATION UNION OIL ROMEOVILLE, IL

DETERMINATION IS BACT FOR A NEW SOURCE.

PERMIT NO. 83 01 0013

DETERMINATION MADE BY

ILLINOIS EPA
(AGENCY)

CHRIS ROMAINE
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 06/09/83
ESTIMATED DATE OF START-UP-- 1985
(217)-782-2113
(PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
HEATER, W/AIR PREHEAT, 2 TOTAL	184.00 MMBTU/H	NOX	0.1600 LB/MMBTU EQUIPMENT DESIGN, EXCESS AIR ANALIZERS	BACT
HEATER, W/O AIR PERHEAT, 3 EA	25.00 MMSTU/H MAX	NOX	0.1300 LB/MMBTU EQUIPMENT DESIGN, EXCESS AIR ANALIZERS	BACT

NOTES -----

PROJECT WAS NOT A MAJOR MODIFICATION FOR SO2. SO2 EMISSIONS GOVERNED BY NSPS. ALSO PERMIT NUMBER 197 090 AAI.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS:

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ID NUMBER IL-0008

SOURCE TYPE CODE 5.5

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

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=====
SOURCE TYPE/SIZE---      PETROLEUM REFINING - AUXILIARY      46500.00 BPSD
-----
COMPANY NAME/SITE LOCATION  VENTECH REFIN.      KROTZ SPRINGS, LA      ST. LANDRY PARISH
-----
DETERMINATION IS BACT FOR A NEW SOURCE.      DATE OF PERMIT ISSUANCE-- 02/13/80
PERMIT NO. (REGION FILE NO.) PSD-LA-232      ESTIMATED DATE OF START-UP--
DETERMINATION MADE BY      EPA REGION VI      JOHN BUNYAK      (214)-767-1594
                        (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
CATALYTIC REGEN		PM	14.6000 LB/H 3 STAGE CYCLONE	BACT 94.00
		SO2	265.2000 LB/H LOW H2S FUEL (OIL LB/DCSF)	NSPS
		NOX	66.6000 LB/H LOW EXCESS AIR	BACT
		VOC	2.2000 LB/H LOW EXCESS AIR	BACT
		CO	104.7000 LB/H FLOT REGEN	NSPS 99.90
SULFUR RECOVERY PLANT		SO2	2.1000 LB/H NONE	NSPS
FCCU FURNACE	50.00 MMBTU/H	PM	0.0200 LB/MMBTU EFFICIENT OPERATION	BACT
		SO2	0.0260 LB/MMBTU LOW H2S FUEL	NSPS
		NOX	0.2300 LB/MMBTU LOW EXCESS AIR - COMBST CONTRL	BACT
		VOC	0.0060 LB/MMBTU	BACT

CO	0.0200	EFFICIENT OPERATION LB/MMBTU LOW EXCESS AIR	NSPS
----	--------	---	------

(CONTINUED) VENTECH REFIN.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
VACUUM FURNACE	100.00 MMBTU/H			
		PM	0.0200 LB/MMBTU EFFICIENT OPERATION	BACT
		SO2	0.0260 LB/MMBTU LOW H2S FUEL	NSPS
		NOX	0.2300 LB/MMBTU COMBUSTION CONTROLS	BACT
		VOC	0.0060 LB/MMBTU EFFICIENT OPERATION	BACT
		CO	0.0200 LB/MMBTU LOW EXCESS AIR	BACT

NOTES -----

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

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=====
SOURCE TYPE/SIZE---      PETROLEUM REFINING - ENTIRE OPERATION
-----
COMPANY NAME/SITE LOCATION CHEVRON USA LUBE OIL                      RICHMOND, CA
-----
DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 27797
DETERMINATION MADE BY    BAY AREA AQMD          ELLEN LINDER          DATE OF PERMIT ISSUANCE-- 04/08/82
                        (AGENCY)                (AGENCY CONTACT PERSON)  ESTIMATED DATE OF START-UP-- 1984
                                                (415) 771-6000
                                                (PHONE)
=====
PROCESSES SUBJECT        THROUGHPUT        POLLUTANT        EMISSION LIMITS        ... & BASYS
TO THIS PERMIT           CAPACITY         EMITTED          CONTROL EQUIPMENT OR PROCESS MODIFICATION ... PCT EFF
-----
GAS COMPRESSOR, 9 EA      SEE NOTE
                           VOC          0.3000 LB/D PER SEAL
                           SEAL/VAPOR RECOVERY
                                           99.00
  
```

NOTES -----
CAPACITY 20 HP TO 1000 HP. FILE A 350-011

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/19/1984

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ID NUMBER CA-0045A

SOURCE TYPE CODE 5.6

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

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=====
SOURCE TYPE/SIZE---      PETROLEUM REFINING - ENTIRE OPERATION      21.00 MMBL/D
-----
COMPANY NAME/SITE LOCATION  GARY WESTERN REFIN.      FRUITA, CO 81521
                           GARY COMMUNITY RUAL STATION      MESA COUNTY
-----
DETERMINATION IS BACT FOR A MODIFIED SOURCE.      DATE OF PERMIT ISSUANCE-- 06/24/81
PERMIT NO.      ESTIMATED DATE OF START-UP--
DETERMINATION MADE BY  EPA REGION VIII      JOHN DALE      (303)-837-3763
                           (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
-----
VAP. REC. GAS CONT.      18.00 MMSCFD      NOX      1.2600 LB/H      BACT
                           LOW NOX BURNERS
BOILER #4      47.00 MLB/H STEAM      NOX      8.4100 LB/H      BACT
                           LOW NOX BURNERS
CRUDE UNIT      21.00 MBPSD      NOX      5.3100 LB/H      BACT
                           LOW NOX BURNERS
DISTILLATE HDS      7.35 MBPSD      NOX      3.4200 LB/H      BACT
                           LOW NOX BURNERS
GILSONITE MELT      565.00 T/D      NOX      3.6000 LB/H      BACT
                           LOW NOX BURNERS
HYDROCRACKER      8.40 MBPSD      NOX      6.0200 LB/H      BACT
                           LOW NOX BURNERS
=====

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(CONTINUED) GARY WESTERN REFIN.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
MARUZEN LUMMIS	3.15 MBPSD	NOX	1.4400 LB/H LOW NOX BURNERS	BACT
NEW H2 PLANT	650.00 MSCFD	NOX	13.3200 LB/H LOW NOX BURNERS	BACT
PLATFORMER	6.30 MBPSD	NOX	10.0900 LB/H LOW NOX BURNERS	BACT
SUL RECOV PLANT	25.00 T/D	SO2	250.0000 PPM 60.1000 LB/H TAIL GAS SCRUBBER	BACT 99.00
SUL RECOV PLANT	25.00 T/D	NOX	0.3600 LB/H LOW NOX BURNERS	BACT

NOTES -----

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

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INITIAL REVIEW POST STARTUP
REVIEW STATUS: 07/01/1983

CC TYPE CODE 5.6

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

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=====
SOURCE TYPE/SIZE---      PETROLEUM REFINING - ENTIRE OPERATION      184000.00 BPSD
-----
COMPANY NAME/SITE LOCATION  HAMPTON ROADS ENERGY CO.                PORTSMOUTH, VA
                                                                    PORTSMOUTH CITY COUNTY
-----
DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 78VA01
DETERMINATION MADE BY      EPA REGION III                      EILEEN GLEN
                           (AGENCY)                        (AGENCY CONTACT PERSON)
                                                                    DATE OF PERMIT ISSUANCE-- 01/25/80
                                                                    ESTIMATED DATE OF START-UP--
                                                                    (215)-597-8187
                                                                    (PHONE)
=====

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=====
PROCESSES SUBJECT          THROUGHPUT    POLLUTANT    EMISSION LIMITS    ... & BASIS
TO THIS PERMIT            CAPACITY      EMITTED      CONTROL EQUIPMENT OR PROCESS MODIFICATION    ... PCT EFF
-----
HEATER, RESIDUE HDS, STACK 1.    32.00 MMBTU/H
                                PM           18.0000 LB/H
                                SO2          96.0000 LB/H
                                NOX          60.0000 LB/H
                                CO           11.0000 LB/H
                                0.3% S FUEL
                                LOW NOX BURNERS
                                GOOD OPERATION
                                BACT
                                NAAQ
                                BACT
                                BACT

HEATER, HYDROGEN PLANT, STACK 1.  770.00 MMBTU/H
                                PM           43.0000 LB/H
                                SO2          232.0000 LB/H
                                NOX          144.0000 LB/H
                                CO           25.0000 LB/H
                                0.3% S FUEL
                                LOW NOX BURNERS
                                GOOD OPERATION
                                BACT
                                NAAQ
                                BACT
                                BACT

HEATER, SULFUR PLANT, STACK 1.    50.00 MMBTU/H
                                PM           4.0000 LB/H
                                SO2          15.0000 LB/H
                                NOX          15.0000 LB/H
                                0.3% S FUEL
                                LOW NOX BURNERS
                                BACT
                                NAAQ
                                BACT

```

CO

2.0000 LB/H
GOOD OPERATION

BACT

(CONTINUED) HAMPTON ROADS ENERGY CO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
SULFUR RECOVERY UNIT				
		SO2	152.0000 LB/H BEACON UNIT OR EQUIVALENT	NAAQ 99.50
HEATER, DISTILLATE HDS, STACK 2.	130.00 MMBTU/H	PM	7.0000 LB/H	BACT
		SO2	39.0000 LB/H 0.3% S FUEL	NAAQ
		NOX	24.0000 LB/H LOW NOX BURNERS	BACT
		CO	4.0000 LB/H GOOD OPERATION	BACT
HEATER, NAPHTHA HDS, STACK 2.	260.00 MMBTU/H	PM	15.0000 LB/H	BACT
		SO2	78.0000 LB/H 0.3% S FUEL	NAAQ
		NOX	49.0000 LB/H LOW NOX BURNERS	BACT
		CO	9.0000 LB/H GOOD OPERATION	BACT
HEATER, CATALYTIC REFORMER, STA*	520.00 MMBTU/H	PM	29.0000 LB/H	BACT
		SO2	152.0000 LB/H 0.3% S FUEL	NAAQ
		NOX	97.0000 LB/H LOW NOX BURNERS	BACT
		CO	17.0000 LB/H GOOD OPERATION	BACT
HEATER, ISOMERIZATION UNIT, STA*	95.00 MMBTU/H	PM	6.0000 LB/H	BACT
		SO2	28.0000 LB/H 0.3% S FUEL	NAAQ
		NOX	18.0000 LB/H LOW NOX BURNERS LOW NOX BURNERS	BACT
		CO	3.0000 LB/H GOOD OPERATION	BACT

(CONTINUED) HAMPTON ROADS ENERGY CO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
HEATER, ATMOS. CRUDE DISTIL, ST*	505.00 MMBTU/H	PM	29.0000 LB/H	BACT
		SO2	152.0000 LB/H	NAAQ
			0.3% S FUEL	
		NOX	95.0000 LB/H	BACT
			LOW NOX BURNERS	
		CO	17.0000 LB/H	BACT
			GOOD OPERATION	
GEN,UTILITY STEAM,STACK 3	60.00 MMBTU/H	PM	34.0000 LB/H	BACT
		SO2	180.0000 LB/H	NAAQ
			0.3% S FUEL	
		NOX	106.0000 LB/H	BACT
			LOW NOX BURNERS	
		CO	20.0000 LB/H	BACT
			GOOD OPERATION	
FLARING		SO2	8.0000 LB/H	BACT

NOTES -----

BACT -- SO2 LIMITS DETERMINED BY NAAQS & PSD CLASS II INCREMENT CONSTRAINTS. SO2 EMISSIONS FROM START-UP OF LPG PLANT TO BE OF
FSET BY REDUCTIONS FROM OTHER SOURCES.
TANKERS BURN FUEL WITH S CONTENT <1.0%.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

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=====
SOURCE TYPE/SIZE---      PETROLEUM REFINING - ENTIRE OPERATION      750.00 MBPSD
-----
COMPANY NAME/SITE LOCATION  HESS OIL - VIRGIN ISLANDS      ST. CROIX, VI 00806
-----
DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. NONE
DETERMINATION MADE BY      EPA REGION II      ED NOWAK
                           (AGENCY)          (AGENCY CONTACT PERSON)
                                           DATE OF PERMIT ISSUANCE-- 02/09/82
                                           ESTIMATED DATE OF START-UP-- 1985
                                           (212)-264-8690
                                           (PHONE)
=====

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=====
PROCESSES SUBJECT          THROUGHPUT      POLLUTANT      EMISSION LIMITS      ... & BASIS
TO THIS PERMIT            CAPACITY      EMITTED        CONTROL EQUIPMENT OR PROCESS MODIFICATION ... PCT EFF
-----
FCC UNIT, 2                152734.00 BBL/D

SO2      0.6000 % BY WT      USE OF LOW S FEED STOCK VOG      BACT
PM        0.8000 LB/MLB COKE BURN      ESP      BACT
          175.0000 PPM 2% O2      LEA & LOW COMBST TEMPS      95.00
NOX      500.0000 PPM VOL      CO BURNING REGENERATOR      BACT
CO
VOC      CO BURNING REGENERATOR

PROCESS HEATERS, 3

SO2      0.1000 GR/DSCF H2S,GAS      NSPS
          0.5000 % S OIL
          LOW S GAS OR OIL
PM        0.1000 LB/MMBTU      PROPER MAINTENANCE      NSPS
NOX      0.2000 LB/MMBTU GAS      BACT
          0.3000 LB/MMBTU OIL
          LEA & WASTE HEAT REC.
CO        0.2000 LB/MMBTU GAS      BACT
          0.3000 LB/MMBTU OIL
          LEA & WASTE HEAT REC.
=====

```

VOC

0.2000 LB/MMBTU GAS
0.3000 LB/MMBTU OIL
LEA & WASTE HEAT REC.

BACT

(CONTINUED) HESS OIL - VIRGIN ISLANDS

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

FUGITIVE EMISSION SOURCES

VOC

GOOD ENGINEERING PRACT.

BACT

NOTES -----

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

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ID NUMBER VI-0002

SOURCE TYPE CODE 5.6

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

SOURCE TYPE/SIZE---

PETROLEUM REFINING - ENTIRE OPERATION

COMPANY NAME/SITE LOCATION

HILL PETROLEUM CO.

KROTZ SPRINGS, LA

DETERMINATION IS BACT FOR A MODIFIED SOURCE.

PERMIT NO. (REGION FILE NO.) PSD-LA-286A

DETERMINATION MADE BY

EPA REGION VI
(AGENCY)

JOE WINKLER
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 10/09/80

ESTIMATED DATE OF START-UP--

(214)-767-2600
(PHONE)

PROCESSES SUBJECT
TO THIS PERMIT

THROUGHPUT
CAPACITY

POLLUTANT
EMITTED

EMISSION LIMITS

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

LIQ. STORAGE TANKS (< 11.1 PSIA*

VOC

FLOATING ROOF TANK W/DBL SEALS

LIQ. STORAGE TANKS (> 11.1 PSIA*

VOC

PRES. VESSELS W/ VAPOR BAL.

LIQUID PETROLEUM PUMPS

VOC

DOUBLE MECHANICAL SEALS

LIQUID PETROLEUM BARGES

VOC

SUBMERGED FILL LINES

HEATER, REFORMER CHARGE

100.15 MMBTU/H

NOX

0.0610 LB/MMBTU GAS

0.0430 LB/MMBTU PROPANE

LOW NOX BURNERS W/F.G. MONITOR

CO

4.0000 LB/MMBTU GAS

1.5000 LB/MMBTU PROPANE

FLUE GAS MONITORING

(CONTINUED) HILL PETROLEUM CO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
HEATER, HYDROTREATER CHARGE	18.29 MMBTU/H	NOX	0.0610 LB/MMBTU LOW NOX BURNERS W/F.G. MONITOR	
		CO	4.0000 LB/MMBTU FLUE GAS MONITORING	
HEATER, HYDROTREATER STABILIZER	13.58 MMBTU/H	NOX	0.0610 LB/MMBTU GAS 0.0430 LB/MMBTU PROPANE LOW NOX BURNERS W/F.G. MONITOR	
		CO	4.0000 LB/MMBTU GAS 1.5000 LB/MMBTU PROPANE FLUE GAS MONITORING	
REBOILER, REFORMER STABILIZER	12.93 MMBTU/H	NOX	0.0610 LB/MMBTU GAS 0.0430 LB/MMBTU PROPANE LOW NOX BURNERS W/F.G. MONITOR	
		CO	4.0000 LB/MMBTU GAS 1.5000 LB/MMBTU PROPANE FLUE GAS MONITORING	
REBOILER, STABILIZER (GASOLINE)	15.49 MMBTU/H	NOX	0.0610 LB/MMBTU LOW NOX BURNERS W/F.G. MONITORS	
		CO	4.0000 LB/MMBTU FLUE GAS MONITORING	
BOILER	78.15 MMBTU/H	NOX	0.1000 LB/MMBTU GAS 0.1100 LB/MMBTU PROPANE LOW NOX BURNERS W/F.G. MONITOR	
		CO	4.0000 LB/MMBTU GAS 1.5000 LB/MMBTU PROPANE FLUE GAS MONITORING	

NOTES -----

THE SOURCE WILL OPERATE CONTINUOUSLY, 8640 HRS/YR. ALL CONTROL STRATEGIES ARE CONSIDERED BACT.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

SOURCE TYPE/SIZE--- PETROLEUM REFINING - ENTIRE OPERATION

COMPANY NAME/SITE LOCATION MIAMI VALLEY REFIN. CO.

AURORA, IN

DETERMINATION IS BACT FOR A NEW SOURCE.

PERMIT NO. PC(15)1485

DATE OF PERMIT ISSUANCE-- 01/07/81

ESTIMATED DATE OF START-UP--

DETERMINATION MADE BY

INDIANA APCD
(AGENCY)FRANK PROFIT
(AGENCY CONTACT PERSON)

(317)-633-0664

(PHONE)

PROCESSES SUBJECT
TO THIS PERMITTHROUGHPUT
CAPACITYPOLLUTANT
EMITTED

EMISSION LIMITS

CONTROL EQUIPMENT OR PROCESS MODIFICATION ... & BASIS

... PCT EFF

FBC COAL FIRED BOILER

50000.00 BTU/H

PM

0.0600 LB/MMBTU

MULTICLONE & BAGHOUSE

99.00

SO2

0.1400 LB/MMBTU

NOTES -----

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

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ID NUMBER IN-0009

SOURCE TYPE CODE 5.6

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

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=====
SOURCE TYPE/SIZE---      PETROLEUM REFINING - ENTIRE OPERATION      10.00 MBPSD
-----
COMPANY NAME/SITE LOCATION  MITCHELL ENERGY      BRIDGEPORT, TX      WISE COUNTY
                           HWY 380, 2 MI W OF BRIDGE PORT
-----
DETERMINATION IS BACT FOR A NEW SOURCE.      DATE OF PERMIT ISSUANCE-- 07/24/81
PERMIT NO. (REGION FILE NO.) PSD-TX-139      ESTIMATED DATE OF START-UP--
DETERMINATION MADE BY      EPA REGION VI      JOHN BUNYAK      (214)-767-1594
                           (AGENCY)      (AGENCY CONTACT PERSON)      (PHONE)
=====

```

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
HEATERS, 2	21.34 MMBTU/H	VOC	0.0030 LB/MMBTU EFFICIENT OPERATION	BACT
BOILER	12.55 MMBTU/H	VOC	0.0030 LB/MMBTU EFFICIENT OPERATION	BACT
FLARE		VOC	0.0460 LB/MMBTU EFFICIENT OPERATION	BACT
NALTHA STORAGE TANKS, 2	10000.00 BBL EA	VOC	0.3700 LB/MMBTU DOUBLE SEALS	BACT
KEROSENE STORAGE TANKS, 2	10000.00 BBL EA	VOC	0.1600 LB/MMBTU DOUBLE SEALS	BACT
DIESEL STORAGE TANKS, 2	10000.00 BBL EA	VOC	0.1200 LB/MMBTU DOUBLE SEALS	BACT

(CONTINUED) MITCHELL ENERGY

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
RESIDUE STORAGE TANKS	10000.00 BBL EA	VOC	0.0100 LB/MMBTU DOUBLE SEALS	BACT
PROCESS DRAINS		VOC	0.1600 LB/MMBTU MAINTENANCE PROG.	BACT
VALVES & FLANGES		VOC	11.7000 LB/MMBTU MAINTENANCE PROG.	BACT
PUMP SEALS		VOC	4.1700 LB/MMBTU MAINTENANCE PROG.	BACT
CRUDE UNLOAD		VOC	2.6200 LB/MMBTU MAINTENANCE PROG.	BACT
PRODUCT UNLOAD		VOC	1.4800 LB/MMBTU MAINTENANCE PROG.	BACT

NOTES -----

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

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ID NUMBER TX-0050

SOURCE TYPE CODE 5.6

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

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=====
SOURCE TYPE/SIZE---      PETROLEUM REFINING - ENTIRE OPERATION      26.30 T/D
-----
COMPANY NAME/SITE LOCATION SOUND REFINING, INC.      TACOMA, WA 98422
                           2628 MARINE VIEW DRIVE
-----
DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. N/C 2445
DETERMINATION MADE BY      PUGET SOUND AFCA      HARRY WATTERS      DATE OF PERMIT ISSUANCE-- 10/17/83
                           (AGENCY)              (AGENCY CONTACT PERSON)  ESTIMATED DATE OF START-UP-- 1984
                                           (206)-344-7334
                                           (PHONE)
=====
  
```

```

=====
PROCESSES SUBJECT      THROUGHPUT      POLLUTANT      EMISSION LIMITS      ... & BASIS
TO THIS PERMIT          CAPACITY      EMITTED        CONTROL EQUIPMENT OR PROCESS MODIFICATION ... PCT EFF
-----
RECOVERY PLANT, SULFUR      26.30 T/D
                           SO2      75.0000 PPM
                                           SEE NOTE #1
  
```

NOTES -----

UNIT 150 ALSO SUBJECT TO THE REQUIREMENTS OF 40 CFR PART 60, SUBPART J AND PSAPCA LETTER DATED 10/17/83.

NOTE #1 --- SOUR WATER STRIPPER, AMINE STRIPPER, CLAUS UNIT, BEVIN TAILGAS CATALYTIC UNIT, STRETFORD UNIT

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/13/1984

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

```

=====
SOURCE TYPE/SIZE--- PETROLEUM REFINING - ENTIRE OPERATION          9010.00 BPD
-----
COMPANY NAME/SITE LOCATION SOUND REFINING, INC.                  TACOMA, WA 98422
                           2628 MARINE VIEW DRIVE
-----
DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. N/C 2439
DETERMINATION MADE BY    PUGET SOUND APCA          HARRY WATTERS
                           (AGENCY)                (AGENCY CONTACT PERSON)
                                           DATE OF PERMIT ISSUANCE-- 10/17/83
                                           ESTIMATED DATE OF START-UP-- 1984
                                           (206)-344-7334
                                           (PHONE)
=====
  
```

```

=====
PROCESSES SUBJECT      THROUGHPUT      POLLUTANT      EMISSION LIMITS      ... & BASIS
TO THIS PERMIT          CAPACITY      EMITTED      CONTROL EQUIPMENT OR PROCESS MODIFICATION ... PCT EFF
-----
CRACKER, FLUIDIZED BED CATALYTIC  9010.00 BPD
                                     PM      0.0100 GR/DSCF
                                     ESP
                                     SO2     100.0000 PPM
                                     UOP CATALYST
                                     NOX     60.0000 PPM
                                     CO      50.0000 PPM
                                     WASTE HEAT BOILER
                                     99.00
=====
  
```

NOTES -----
 SUBJECT TO THE REQUIREMENTS OF SUBPARTS J AND GGG OF 40CFR PART 60. ALL EMISSIONS CORRECTED TO 7% O2.

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(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.
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PAGE G- 469
ID NUMBER WA-0010A
INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/13/1984
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SOURCE TYPE CODE 5.6
=====
  
```

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

=====

SOURCE TYPE/SIZE---

PETROLEUM REFINING - ENTIRE OPERATION

COMPANY NAME/SITE LOCATION

SUNLAND REFIN. CORP.

BAKERSFIELD, CA

DETERMINATION IS LAER FOR A MODIFIED SOURCE.

PERMIT NO. SJ-79-22

DETERMINATION MADE BY

EPA REGION IX
(AGENCY)DAVID SOLOMON
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 09/22/80

ESTIMATED DATE OF START-UP--

(415)-454-8066
(PHONE)

=====

PROCESSES SUBJECT
TO THIS PERMITTHROUGHPUT
CAPACITYPOLLUTANT
EMITTED

EMISSION LIMITS

CONTROL EQUIPMENT OR PROCESS MODIFICATION

... & BASIS

... PCT EFF

STORAGE TANKS

VOC

DOUBLE SEAL INTERNAL FLOATING ROOF
OR VAPOR RECOVERY

LOADING RACKS

VOC

30.0000 MG/L OF PRODUCT
CARBON ABSORPTION SYS

TANK TRUCKS

VOC

TRAILER TANKS TO BE LEAK TIGHT

VALVES/FLANGES/PUMPS/COMPRESSORS

VOC

FUGITIVE I&M PROGRAM

WORK WATER SEPARATOR

VOC

REQUIRED TO BE COVERED

SUMP

VOC

REQUIRED TO BE COVERED

(CONTINUED) SUNLAND REFIN. CORP.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
PROCESS TURNAROUNDS		VOC	VENT DEPRESSURED & PURGED TO FUEL GAS SYS	
VACUUM DEVICES		VOC	VENTED TO FUEL GAS SYS	
PRESSURE RELIEF VALVES		VOC	VENTED TO FLARE SYS & INCINERATED	LAER
COMBUSTION SOURCES		S02	0.0300 GR/DSCF H2S	LAER
		NOX	50.0000 PPM 3% O2	BACT
			LOW NOX BURNERS	
			NON-CATALYTIC AMMONIA INJECTION	
SULFUR RECOVERY PLANT		S02	1.0000 LB/H	LAER

NOTES -----

A) VAPOR COLLECTION SYS MUST BE VAPOR TIGHT.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

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ID NUMBER CA-0003

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983 04/04/1984

SOURCE TYPE CODE 5.6

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

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=====
SOURCE TYPE/SIZE---      PETROLEUM REFINING - ENTIRE OPERATION      26000.00 BPSD
-----
COMPANY NAME/SITE LOCATION  SWANN OIL CO.                      CHESAPEAKE, VA
                                           CHESAPEAKE COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 78VA04
DETERMINATION MADE BY      EPA REGION III      EILEEN GLEN      DATE OF PERMIT ISSUANCE-- 03/30/81
                           (AGENCY)          (AGENCY CONTACT PERSON)  ESTIMATED DATE OF START-UP--
                                           (PHONE)
=====

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=====
PROCESSES SUBJECT      THROUGHPUT      POLLUTANT      EMISSION LIMITS      ... & BASIS
TO THIS PERMIT          CAPACITY        EMITTED        CONTROL EQUIPMENT OR PROCESS MODIFICATION ... PCT EFF
-----
HEATER, CRUDE UNIT ATMOS.      94.00 MMBTU/H

      PM      9.0000 LB/H      BACT
      SO2     18.0000 LB/H      BACT
                   0.37% S IN FUEL
      NOX     36.0000 LB/H      BACT
                   2 STAGE + OFF-STOICH. COMB.
      CO      3.0000 LB/H      BACT
                   GOOD OPERATION

HEATER, CRUDE UNIT VACUUM      18.00 MMBTU/H

      PM      2.0000 LB/H      BACT
      SO2     3.0000 LB/H
                   S IN FUEL 0.3%
      NOX     7.0000 LB/H      BACT
                   2 STAGE + OFF-STOICH. COMB.
      CO      1.0000 LB/H      BACT
                   GOOD OPERATION

HEATER, VISBREAKER      44.00 MMBTU/H

      PM      4.0000 LB/H      BACT
      SO2     8.0000 LB/H      BACT
                   S IN FUEL 0.3%
      NOX     17.0000 LB/H      BACT
                   2 STAGE + OFF-STOICH. COMB.
=====

```

CO

1.0000 LB/H
GOOD OPERATION

BACT

(CONTINUED) SWANN OIL CO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
HEATER, NAPHTHA REFORMER	50.00 MMBTU/H	PM	1.0000 LB/H	BACT
		SO2	0.3000 LB/H	BACT
			BURN REFINERY GAS <0.0063% S	
		NOX	11.0000 LB/H	BACT
			2 STAGE + OFF-STOICH. COMB.	
		CO	1.0000 LB/H	BACT
			GOOD OPERATION	
HEATER, NAPHTHA HYDRODESULFURIZ*	16.00 MMBTU/H	PM	0.3000 LB/H	BACT
		SO2	0.1000 LB/H	BACT
			BURN REFINERY GAS <0.0063% S	
		NOX	4.0000 LB/H	BACT
			2 STAGE + OFF-STOICH. COMB.	
		CO	0.3000 LB/H	BACT
			GOOD OPERATION	
HEATER, DISTILLATE HYDRODESULFU*	16.00 MMBTU/H	PM	0.3000 LB/H	BACT
		SO2	0.1000 LB/H	BACT
			BURN REFINERY GAS <0.0063% S	
		NOX	4.0000 LB/H	BACT
			2 STAGE + OFF-STOICH. COMB.	
		CO	0.3000 LB/H	BACT
			GOOD OPERATION	
BOILER, STEAM	29.00 MMBTU/H	PM	0.5000 LB/H	BACT
		SO2	0.2000 LB/H	BACT
			BURN REFINERY GAS <0.0063% S	
		NOX	7.0000 LB/H	BACT
			2 STAGE & STOICHIOMETRIC COMB	
		CO	0.6000 LB/H	BACT
			GOOD OPERATION	
EMERGENCY FLARE SYS		SO2	0.0100 LB/H	BACT
		NOX	0.2000 LB/H	BACT

(CONTINUED) SWANN OIL CO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
POWER PLANT, TANKER	VARIABLE			
		PM	14.0000 LB/H	BACT
		SO2	211.0000 LB/H	BACT
		NOX	64.0000 LB/H	BACT
		CO	1.0000 LB/H	BACT
RECOVERY UNIT, CLAUS SULFUR				
		SO2	14.0000 LB/H	BACT

NOTES -----

SO2 EMISSIONS FROM ATMOSPHERIC HEATER, VACUUM HEATER, & VISBREAKER HEATER SHALL NOT EXCEED THE SPECIFIED EMISSION RATES ON A 2
4-HOUR ROLLING AVERAGE BASIS.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/93

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

```

=====
SOURCE TYPE/SIZE---      PETROLEUM REFINING - ENTIRE OPERATION      200.00 MBPSD
-----
COMPANY NAME/SITE LOCATION  VIRGIN ISLANDS REFINERY CORP.      ST. CROIX, VI
                           ESTATE BETHLEHAM
-----
DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. NONE
DETERMINATION MADE BY      EPA REGION II      ED NOWAK
                           (AGENCY)          (AGENCY CONTACT PERSON)
                                           DATE OF PERMIT ISSUANCE-- 09/04/81
                                           ESTIMATED DATE OF START-UP-- 1985
                                           (212)-264-8690
                                           (PHONE)
=====
  
```

```

=====
PROCESSES SUBJECT          THROUGHPUT    POLLUTANT    EMISSION LIMITS    ... & BASIS
TO THIS PERMIT            CAPACITY      EMITTED      CONTROL EQUIPMENT OR PROCESS MODIFICATION    ... PCT EFF
-----
BOILERS, FOSSIL FIRED, 3    175000.00 BBL/D
                           CO      14.0000 T/YR      GOOD BOILER OPERATION      BACT
                           VOC      3.0000 T/YR      GOOD BOILER OPERATION      BACT
                           NOX     0.2000 LB/MMBTU GAS      BACT
                           PM      0.3000 LB/MMBTU OIL
                           SO2     0.3520 LB/MMBTU
                           20.0000 PPM H2S GAS      BACT
                           0.3300 % S BY WT, OIL
HYDROGEN PLANT
                           CO      105.0000 T/YR      GOOD BOILER OPER./NO FUEL OIL      BACT
                           VOC      19.0000 T/YR      GOOD BOILER OPER./NO FUEL OIL      BACT
                           NOX     1088.0000 T/YR      STOICHIOM. COMBST./NO FUEL OIL      BACT
                           PM      0.3520 LB/MMBTU      BACT
                           SO2     3.0000 T/YR      NO GAS<.1 GR/DSCF H2S      BACT
  
```

(CONTINUED) VIRGIN ISLANDS REFINERY CORP.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
PROCESS HEATERS				
		CO	369.0000 T/YR GOOD BOILER OPERATION	BACT
		VOC	72.0000 T/YR GOOD BOILER OPER.	BACT
		NOX	0.3000 LB/MMBTU OIL 0.2000 LB/MMBTU ALT. FUELS	BACT
		PM	0.3520 LB/MMBTU	BACT
		SO2	3683.0000 T/YR OIL<.33%S WT/ALT<.1GR/DSCF H2S	BACT
FCC UNIT	175000.00 BBL/D	CO	565.0000 T/YR	NSPS
		VOC	3247.0000 T/YR GOOD BOILER OPER.	BACT
		NOX	0.3000 LB/MMBTU OIL 0.2000 LB/MMBTU ALT. FUELS	BACT
		PM	1.0000 LB/MLB COKE BURN 0.1000 LB/MMBTU SUPP. OIL	LAER
		SO2	79.0000 T/YR OIL<.33%S WT/ALT<.1GR/DSCF H2S	NSPS
SULFUR RECOVERY PLANT				
		CO	29.0000 T/YR GOOD HEATER OPERATION	BACT
		VOC	35.0000 T/YR GOOD HEATER OPERATION	BACT
		NOX	0.3000 LB/MMBTU OIL 0.2000 LB/MMBTU ALT.	BACT
		PM	0.3520 LB/MMBTU	BACT
		SO2	365.0000 T/YR CLAUS SYS. W/ 3 UNITS OIL<.33S WT/ALT<.1GR/DSCF H2S	NSPS
PETROLEUM LIQUID STORAGE TANKS				
		VOC	937.0000 T/YR FLOATING ROOF TANKS	NSPS

(CONTINUED) VIRGIN ISLANDS REFINERY CORP.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
PUMPS, SEALS, VALVES, FLANGES		VOC	177.0000 T/YR	BACT
MARINE LOAD & UNLOAD FACILITY		VOC	64.0000 T/YR SEALS	SIP
INCINERATOR, MULTI-CHAMBER		CO	NONE GOOD OPERATION	BACT
		NOX	NONE GOOD OPERATION	BACT
		PM	0.3000 LB/H	
API WASTE OIL SEPERATOR		VOC	436.0000 T/YR FIXED COVER/FOAM SPHERES	NSPS

NOTES -----

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

SOURCE TYPE/SIZE--- BULK TERMINALS

COMPANY NAME/SITE LOCATION AMOCO OIL CO., GRANVILLE

MILWAUKEE, WI

DETERMINATION IS LAER FOR A NEW SOURCE.

PERMIT NO. MAN-03-80-41-064

DETERMINATION MADE BY

WISCONSIN DNR
(AGENCY)ELIZABETH SPAETH
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 06/23/80

ESTIMATED DATE OF START-UP-- 1981

(414)-257-4929

(PHONE)

PROCESSES SUBJECT
TO THIS PERMITTHROUGHPUT
CAPACITYPOLLUTANT
EMITTED

EMISSION LIMITS

CONTROL EQUIPMENT OR PROCESS MODIFICATION ... & BASIS

... PCT EFF

TERMINAL

214494.00 MGAL GASOLI*

VOC

30.0000 MG/L

LAER

FLOAT ROOF & VAPOR RECOVERY SYS.

97.00

TERMINAL

71358.00 MGAL #2 OIL

VOC

80.0000 MG/L

VOC

30.0000 MG/L

LAER

NOTES -----

OFFSET OBTAINED BY CLOSING JONES ISLAND TERMINAL, EXTRA EMISSIONS BANKED 41.55 TPY

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

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ID NUMBER WI-0005

SOURCE TYPE CODE 5.7

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

=====

SOURCE TYPE/SIZE--- BULK TERMINALS

COMPANY NAME/SITE LOCATION ASHLAND PETROLEUM CO. COVINGTON, KY 41015 KENTON COUNTY
30TH & JONES ST.

DETERMINATION IS BACT DATE OF PERMIT ISSUANCE-- 04/01/81
PERMIT NO. C-81-37 ESTIMATED DATE OF START-UP-- 1981
DETERMINATION MADE BY KENTUCKY DAPC BILL DILLS (502)-564-3382
(AGENCY) (AGENCY CONTACT PERSON) (PHONE)

=====

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BOTTOM FILL LOADING RACK	3000.00 GAL/MIN	VOC	80.0000 MG/L GROUND LOADING CARBON ABSORPTION	

NOTES -----
THIS PERMIT GRANTED UNDER A VOC BUBBLE REQUEST TO ALIEVATE RETROFITTING EXISTING TANKS W/FLOATING ROOFS. PERMIT N/A TO BACT/LA
ER.
THIS BUBBLE SET THE ALLOWABLE AT 30000. MG/L

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983 02/13/1984

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

=====

SOURCE TYPE/SIZE---	BULK TERMINALS	476000.00 BBL
---------------------	----------------	---------------

COMPANY NAME/SITE LOCATION	BAYTANK INC., HOUSTON	SEABROOK, TX	HARRIS COUNTY
----------------------------	-----------------------	--------------	---------------

DETERMINATION IS BACT FOR A NEW SOURCE.		DATE OF PERMIT ISSUANCE--	02/12/82
PERMIT NO. 8865		ESTIMATED DATE OF START-UP--	1983
DETERMINATION MADE BY	TEXAS ACB	(512)-451-5711	
	(AGENCY)	STUART KEIL	
		(AGENCY CONTACT PERSON)	(PHONE)

=====

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

STORAGE TANKS, 49	CAPACITY VA*	VOC	FLARING EMIS., SEE NOTE 2 MAT. W/>0.5 PSIA VAP. PRESS.	BACT 99.00
WASTE WATER SEPARATOR, SEE NOTE*		VOC	COVERS W/VENTS TO FLARES	BACT 99.00

NOTES -----

NOTE 1 - WASTE WATER SEPARATOR INCLUDES 2 DECANTERS & DOUBLE SKIMMER SYS. NOTE 2 - ALSO MATERIALS WITH < 0.5 PSIA VAP. PRESS. BUT WITH ODOR OR TOXICITY EFFECTS ARE REQUIRED TO MEET THESE EQUIPMENT STANDARDS / TO USE ADSORBERS.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

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ID NUMBER TX-0108

SOURCE TYPE CODE 5.7

APPENDIX -- DETAILED SOURCE LISTING

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=====
SOURCE TYPE/SIZE---      BULK PLANTS                      1.00 MMGAL/D
-----
COMPANY NAME/SITE LOCATION  TIME OIL CO.                      RICHMOND, CA
-----
DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 27611
DETERMINATION MADE BY      BAY AREA AQMD              KELLY WEE
                           (AGENCY)                (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 12/23/80
ESTIMATED DATE OF START-UP-- 1981
                           (415)-771-6000
                           (PHONE)
=====
  
```

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
GASOLINE BULK LOADING RACK	1.00 MMGAL/D	VOC	91.0000 LB/D 90.0000 LB/MMGAL CARBON ADSORPTION	BACT 98.60

NOTES -----
SOURCE TEST #83062. FILE A 350-004

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/19/1984

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

SOURCE TYPE/SIZE---

STORAGE OF PETROLEUM LIQUIDS

COMPANY NAME/SITE LOCATION

MCKESSON CHEMICAL CO.

TULSA, OK

DETERMINATION IS BACT FOR A MODIFIED SOURCE.

PERMIT NO. SEE NOTE

DETERMINATION MADE BY

TULSA CITY-COUNTY HEALTH DEPT BILL GIBBONS

(AGENCY)

(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 10/01/81

ESTIMATED DATE OF START-UP--

(918)-744-1000

(PHONE)

PROCESSES SUBJECT
TO THIS PERMIT

THROUGHPUT
CAPACITY

POLLUTANT
EMITTED

EMISSION LIMITS

CONTROL EQUIPMENT OR PROCESS MODIFICATION

... & BASIS

... PCT EFF

DRUM FILLING FACILITY

VOC

VAPOR RECOVERY LOOP

90.00

NOTES -----

DRUM FILLING FACILITY USED FOR WHOLESALING VARIOUS CHEMICALS. CONSERVANTS INSTALLED ON SHORTAGE TANKS, TOTAL STORAGE CAPACITY 60000 GALLONS. NOTE - PERMIT # T79-78 THRU T79-83 & T78-068

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

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ID NUMBER OK-0011

SOURCE TYPE CODE 5.9

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

=====

SOURCE TYPE/SIZE---

TRANSPORT & MARKETING - PETROLEUM PRODUCTS

COMPANY NAME/SITE LOCATION

COLUMBIA GAS TRANSMISSION CORP.

SUGAR GROVE, OH

DETERMINATION IS BACT FOR A NEW SOURCE.

PERMIT NO. 0123000137

DETERMINATION MADE BY

OHIO EPA CD

(AGENCY)

GEORGE DEMIS
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 04/13/81

ESTIMATED DATE OF START-UP--

(614)-864-3195

(PHONE)

=====

PROCESSES SUBJECT
TO THIS PERMITTHROUGHPUT
CAPACITYPOLLUTANT
EMITTED

EMISSION LIMITS

CONTROL EQUIPMENT OR PROCESS MODIFICATION ... & BASIS

... PCT EFF

NAT. GAS FIRED I. C. ENGINES

NOX	5.0000 G/HP-H	ENGINE DESIGN
CO	2.0000 G/HP-H	ENGINE DESIGN
VOC	0.3000 G/HP-H	ENGINE DESIGN

NOTES -----

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/83

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ID NUMBER OH-0024

SOURCE TYPE CCDE 5.11

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

```
=====
SOURCE TYPE/SIZE---      TRANSPORT & MARKETING - PETROLEUM PRODUCTS
-----
COMPANY NAME/SITE LOCATION  CRYSEN REFINING, WESTERN DIV.                WOODS CROSS, UT
                                                                    DAVIS COUNTY
-----
DETERMINATION IS
PERMIT NO.
DETERMINATION MADE BY    UTAH BAQ          DONALD ROBINSON
                        (AGENCY)          (AGENCY CONTACT PERSON)
                                           DATE OF PERMIT ISSUANCE-- 11/12/82
                                           ESTIMATED DATE OF START-UP-- 1983
                                           (801)-533-6108
                                           (PHONE)
=====

PROCESSES SUBJECT        THROUGHPUT    POLLUTANT    EMISSION LIMITS    ... & BASIS
TO THIS PERMIT           CAPACITY      EMITTED      CONTROL EQUIPMENT OR PROCESS MODIFICATION ... PCT EFF
-----
NAPTHA TANK, 2           365000.00 BBL/YR EA
                           VOC
                           INTERNAL FLOATING ROOF
=====
```

NOTES -----

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983 02/13/1984

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ID NUMBER UT-0027

SOURCE TYPE CODE 5.11

05/22/1984

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
LOADING RACK/STORAGE TANKS, 2	6000.00 BBL	VOC	NIL EMISSIONS DISPLACED VAPORS ROUTED TO FLARE	99.90

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

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PAGE G- 486 ID NUMBER TX-0099 SOURCE TYPE CODE 5.11

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

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=====
SOURCE TYPE/SIZE---      TRANSPORT & MARKETING - PETROLEUM PRODUCTS      2000.00 MMCFD
-----
COMPANY NAME/SITE LOCATION  NORTHERN ALASKAN PIPELINE      , AK
-----
DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. (REGION FILE NO.) PSD-X81-03-09
DETERMINATION MADE BY      EPA REGION X      PAUL BOYS      DATE OF PERMIT ISSUANCE-- 02/23/81
                           (AGENCY)          (AGENCY CONTACT PERSON)  ESTIMATED DATE OF START-UP--
                                           (FHCNE)              (206)-442-1193
=====
  
```

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
MAINLINE COMPRESSOR TURBINE		NOX	150.0000 PPM 80.0000 KG/H DRY CONTROLS	BACT
REFRIG. COMPRESSOR TURBINE		NOX	150.0000 PPM 38.0000 KG/H DRY CONTROL	BACT
ELECT. GEN. TURBINE		NOX	150.0000 PPM 15.0000 KG/H DRY CONTROL	BACT
GLYCOL HEATER MISC.		NOX	43.0000 NG/J 4.0000 KG/H LOW NOX BURNERS	BACT

NOTES -----

ABOVE LIMITS ARE FOR 1 COMPRESSOR STATION, 7 WILL BE BUILT ALONG PIPELINE. ALSO TOTAL LIMIT FOR EACH STATION OF 175 KG/HR OR 1 517 METRIC TONS PER YEAR

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

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ID NUMBER AK-0002

SOURCE TYPE CODE 5.11

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

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=====
SOURCE TYPE/SIZE---      TRANSPORT & MARKETING - PETROLEUM PRODUCTS      933.00 MBBL/D
-----
COMPANY NAME/SITE LOCATION  NORTHERN TIER                                , AK
-----
DETERMINATION IS BACT FOR A NEW SOURCE.                                DATE OF PERMIT ISSUANCE-- 09/14/81
PERMIT NO. (REGION FILE NO.) PSD-X81-14                               ESTIMATED DATE OF START-UP--
DETERMINATION MADE BY      EPA REGION X                                (206)-442-1193
                           (AGENCY)                                (PHONE)
                           PAUL BOYS
                           (AGENCY CONTACT PERSON)
=====
  
```

```

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

NOTES -----
 FOR PERMIT CONDITIONS, SEE ATTACHMENT, ALL ARE BASED ON TECHNOLOGY AND ECONOMICS.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
 REVIEW STATUS: 04/01/1983

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

```

=====
SOURCE TYPE/SIZE---    NATURAL GAS/GASOLINE PROCESSING PLANTS    55000.00 HP
-----
COMPANY NAME/SITE LOCATION  AMERADA HESS                                TULSA, TX 74012
                           P.O. BOX 2040                                GAINES COUNTY
-----
DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. (REGION FILE NO.) PSD-TX-328
DETERMINATION MADE BY      EPA REGION VI
                           (AGENCY)
                           JOHN BUNYAK
                           (AGENCY CONTACT PERSON)
                           DATE OF PERMIT ISSUANCE-- 05/14/81
                           ESTIMATED DATE OF START-UP--
                           (214)-767-1594
                           (PHONE)
=====
  
```

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
ENGINE, NAT. GAS, COMPRESSOR, 3* 1600.00 HP				
		NOX	10.6000 G/HP-H ADJUSTED AIR FUEL RATIO	BACT
		VOC	53.0000 T/YR NORMAL EQUIP. OPERATION	BACT
		CO	1.4000 G/HP-H NORMAL EQUIP. OPERATION	BACT
		SO2	0.2500 T/YR NORMAL EQUIP. OPERATION	BACT
		PM	TRACE NORMAL EQUIP. OPERATION	BACT

NOTES -----

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

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ID NUMBER TX-0017

SOURCE TYPE CODE 5.12

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

=====

SOURCE TYPE/SIZE---	NATURAL GAS/GASOLINE PROCESSING PLANTS	250.00 MMCFD

COMPANY NAME/SITE LOCATION	AMOCO PRODUCTION	UINTA, WY

DETERMINATION IS BACT FOR A NEW SOURCE.		DATE OF PERMIT ISSUANCE-- 12/20/79
PERMIT NO. CT-272		ESTIMATED DATE OF START-UP-- 1983
DETERMINATION MADE BY	WYOMING AQD	(307)-777-7391
	(AGENCY)	(PHONE)
	BERNIE DAILEY	
	(AGENCY CONTACT PERSON)	

=====

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

BOILER, GAS, 2 EA	65.50 MMBTU/H	NOX	0.2000 LB/MMBTU DESIGN	BACT
HEATER, GAS	33.30 MMBTU/H	NOX	0.2000 LB/MMBTU DESIGN	BACT
HEATER, GAS	7.10 MMBTU/H	NOX	0.2000 LB/MMBTU DESIGN	BACT
INCINERATOR, SULFUR PLANT		SO2	311.5000 LB/H CLAUS & CBA	BACT 98.60

NOTES -----

AN EXTENSIVE BACT ANALYSIS BASED ON ECONOMIC, ENERGY, & ENVIRONMENTAL FACTORS COMPARING CLAUS-CBA TO CLAUS-SCOT WAS PERFORMED.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS:

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

SOURCE TYPE/SIZE--- NATURAL GAS/GASOLINE PROCESSING PLANTS SEE NOTE

COMPANY NAME/SITE LOCATION AMOCO PRODUCTION CO. , ND BILLINGS COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE. DATE OF PERMIT ISSUANCE-- 01/12/83
 PERMIT NO. ESTIMATED DATE OF START-UP--
 DETERMINATION MADE BY NORTH DAKOTA SHD GARY HELBLING (701)-224-2348
 (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 STACK	SEE NOTE	SO2	SEE NOTE	CLAUS UNIT & CBA	BACT 98.60

NOTES -----
 THE PLANT IS TO BE CONSTRUCTED IN THREE STEPS. THE PLANT WILL PROGRESS FROM A 25 MMCF/D PLANT WITH AN EMISSION LIMIT OF 62.25 LB/H SO2, TO A 50 MMCF/D PLANT WITH AN EMISSION LIMIT OF 124.5 LB/H SO2 & THEN TO A 100 MMCF/D PLANT WITH AN EMISSION LIMIT OF 249 LB/H SO2.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

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APPENDIX -- DETAILED SOURCE LISTING

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SOURCE TYPE/SIZE--- NATURAL GAS/GASOLINE PROCESSING PLANTS

COMPANY NAME/SITE LOCATION ATW COMPANY

ISABELLA TWP, MI

ISABELLA COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.

PERMIT NO. 631-82B

DETERMINATION MADE BY

MICHIGAN DNR
(AGENCY)

LAURA OTWELL
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 04/28/83

ESTIMATED DATE OF START-UP-- 1983

(517)-322-1333

(PHONE)

PROCESSES SUBJECT
TO THIS PERMIT

THROUGHPUT
CAPACITY

POLLUTANT
EMITTED

EMISSION LIMITS

CONTROL EQUIPMENT OR PROCESS MODIFICATION ... & BASIS

... PCT EFF

GAS SWEETENING AMINE FACILITY

2.30 MMCF/D

SO2

24.0000 LB/H

2 STAGE CAUST. SCRUBB., INCINERATOR

99.99

NOTES -----

RULE 403(4) OF THE MICHIGAN APC RULES REQUIRE BACT ON ALL NEW SWEETENING FACILITIES. DETERMINATION IS BASED ON DETAILED ECONOMIC ANALYSIS AND EXPECTED EFFICIENCIES OF VARIOUS CONTROL SYSTEMS.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/19/1984 03/13/1984

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ID NUMBER MI-0032

SOURCE TYPE CODE 5.12

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

=====

SOURCE TYPE/SIZE--- NATURAL GAS/GASOLINE PROCESSING PLANTS 60.00 MMCFD

COMPANY NAME/SITE LOCATION CHAMPLIN PETROLEUM , WY UINTA COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE. DATE OF PERMIT ISSUANCE-- 11/08/83
 PERMIT NO. CT-515 ESTIMATED DATE OF START-UP--
 DETERMINATION MADE BY WYOMING AGD CHUCK COLLINS (307)-777-7391
 (AGENCY) (AGENCY CONTACT PERSON) (PHONE)

=====

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
COMPRESSOR, 2 EA	2250.00 HP	NOX	4.0000 G/HP-H DESIGN	BACT
		CO	2.0000 G/HP-H DESIGN	BACT
		VOC	0.5000 G/HP-H DESIGN	BACT
HEATER, GAS	3.75 MMBTU/H	SO2	0.8900 LB/H	BACT
		NOX	0.2300 LB/MMBTU	BACT
		CO	0.0200 LB/MMBTU	BACT
		SO2	0.3000 LB/H	BACT
TURBINE, 2 EA	886.00 HP	NOX	1.0800 G/HP-H DESIGN	BACT
		CO	2.0000 G/HP-H DESIGN	BACT
		VOC	0.0100 G/HP-H DESIGN	BACT
		SO2	0.5800 LB/H	BACT

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

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ID NUMBER WY-0005

SOURCE TYPE CODE 5.12

NOTES -----

SO2 EMISSIONS LIMITS BASED ON FUEL S CONTENT OF LESS THAN 20 GR/100 SCF.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

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ID NUMBER WY-0005

SOURCE TYPE CODE 5.12

APPENDIX -- DETAILED SOURCE LISTING

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```

=====
SOURCE TYPE/SIZE---    NATURAL GAS/GASOLINE PROCESSING PLANTS    260.00 MMCFD
-----
COMPANY NAME/SITE LOCATION  CHAMPLIN PETROLEUM CO.    CARTHAGE, TX    PONALA COUNTY
                           P.O. BOX 310
-----
DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. TX-206
DETERMINATION MADE BY    EPA REGION VI    JOHN BUNYAK    DATE OF PERMIT ISSUANCE-- 01/11/80
                           (AGENCY)    (AGENCY CONTACT PERSON)    ESTIMATED DATE OF START-UP--
                                           (214)-767-1594
                                           (PHONE)
=====
  
```

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
I. C. ENGINE	800.00 HP	NOX	19.2000 LB/H 24.0000 LB/MHP-H CNTRL AIR/FUEL RATIO, IGN TIM.	BACT
I. C. ENGINE, 2	1050.00 HP EA	NOX	25.2000 LB/H EA 24.0000 LB/MHP-H CNTRL AIR/FUEL RATIO, IGN TIM.	BACT
I. C. ENGINE, 2	730.00 HP EA	NOX	16.4000 LB/H 24.0000 LB/MHP-H CNTRL AIR/FUEL RATIO, IGN TIM.	BACT

NOTES -----

MODIFICATION -- INCREASED CAPACITY FROM 220 MMCFD TO 260 MMCFD.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

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ID NUMBER TX-0069

SOURCE TYPE CODE 5.12

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

```

=====
SOURCE TYPE/SIZE---    NATURAL GAS/GASOLINE PROCESSING PLANTS    420.00 MMCFD
-----
COMPANY NAME/SITE LOCATION    CHEVRON U.S.A.    UINTA, WY
-----
DETERMINATION IS
PERMIT NO. CT-297
DETERMINATION MADE BY    WYOMING AQD    LEE GRIBOVICZ    DATE OF PERMIT ISSUANCE-- 05/28/80
                        (AGENCY)    (AGENCY CONTACT PERSON)    ESTIMATED DATE OF START-UP-- 1983
                                           (307)-332-3144
                                           (PHONE)
=====

```

```

=====
PROCESSES SUBJECT    THROUGHPUT    POLLUTANT    EMISSION LIMITS    ... & BASIS
TO THIS PERMIT    CAPACITY    EMITTED    CONTROL EQUIPMENT OR PROCESS MODIFICATION    ... PCT EFF
-----
SULFUR PLANT & TGU, 3 EA    1000.00 T/D
                        CO    220.0000 LB/H    BACT
                        COS    460.0000 LB/H    BACT
                        H2S    8.2000 LB/H    BACT
                        3 STAGE CLAUS - BEAVON    99.70
REHEATER, STACK GAS, 3 EA    23.00 MMBTU/H
                        NOX    0.2000 LB/MMBTU    BACT
                        DESIGN
HEATER, GLYCOL STILL, 3 EA    10.00 MMBTU/H
                        NOX    0.2000 LB/MMBTU    BACT
                        DESIGN
HEATER, PROCESS, 3 EA    62.50 MMBTU/H
                        NOX    0.2000 LB/MMBTU    BACT
                        DESIGN
FURNACE, GAS, 3 EA    10.00 MMBTU/H
                        NOX    0.2000 LB/MMBTU    BACT
                        DESIGN
=====

```

(CONTINUED) CHEVRON U.S.A.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BOILER, GAS, 6 EA	93.80 MMBTU/H	NOX	0.2000 LB/MMBTU DESIGN	BACT

NOTES -----

CONSTRUCTED IN 3 PHASES. EACH PHASE CONSISTS OF PROCESSING TRAIN WITH A 1000 T/D SULFUR RECOVERY CAPACITY. TGU REPRESENTS A THERMAL GASSIFICATION UNIT.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

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ID NUMBER WY-0009

INITIAL REVIEW POST STARTUP
REVIEW STATUS:

SOURCE TYPE CODE 5.12

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

=====

SOURCE TYPE/SIZE---

NATURAL GAS/GASOLINE PROCESSING PLANTS

60.00 MMCFD

COMPANY NAME/SITE LOCATION CIG

, WY

SWEETWATER COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.

PERMIT NO. CT-58

DETERMINATION MADE BY

WYOMING AQD
(AGENCY)LEE GRIBOVICZ
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 08/25/76

ESTIMATED DATE OF START-UP-- 1977

(307)-332-3144
(PHONE)

=====

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

THERMAL GASSIFICATION UNIT STACK

SO2

0.1350 % V AT 0% O2, DRY BASIS
3 STAGE CLAUS & AMMONIA ADSORPTIONBACT
98.90

BOILER, GAS, 2

48.40 MMBTU/H

NOX

0.2000 LB/MMBTU
DESIGN

SIP

NOTES -----

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS:

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ID NUMBER WY-0011

SOURCE TYPE CODE 5.12

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

=====

SOURCE TYPE/SIZE---	NATURAL GAS/GASOLINE PROCESSING PLANTS	3.09 MMCFD

COMPANY NAME/SITE LOCATION	CRYSTAL EXPLORATION CO.	MARATHON TWP, MI
		LAPEER COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.		DATE OF PERMIT ISSUANCE-- 11/30/82
PERMIT NO. 238-80E		ESTIMATED DATE OF START-UP-- 1983
DETERMINATION MADE BY	MICHIGAN DNR	GREGORY EDWARDS
	(AGENCY)	(AGENCY CONTACT PERSON)
		(517)-322-1333
		(PHONE)

=====

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

SWEETENING FACILITIES	3.09 MMCF/D			
		H2S	96.0000 % REMOVAL FROM ACID GAS STRM	
			TWO STAGE CAUSTIC SCRUBBER	96.00
		SO2	1350.0000 LB/D	
			SOUR GAS INCINERATOR	99.50

NOTES -----

MICHIGAN REGULATIONS REQUIRE BACT FOR ALL NEW NATURAL GAS SWEETENING FACILITIES.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983 04/19/1984

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ID NUMBER MI-0029

SOURCE TYPE CODE 5.12

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

```

=====
SOURCE TYPE/SIZE---    NATURAL GAS/GASOLINE PROCESSING PLANTS    1642.50 MMSCF/YR
-----
COMPANY NAME/SITE LOCATION  CRYSTAL OIL CO.                                HOSSTON, LA
-----
                                                                CADD0 PARISH
-----
DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. PSD-LA-510
DETERMINATION MADE BY    LAQD/EPA REGION VI
                        (AGENCY)
                        NAN KILLEEN
                        (AGENCY CONTACT PERSON)
                        DATE OF PERMIT ISSUANCE-- 10/19/83
                        ESTIMATED DATE OF START-UP--
                        (504)-342-8940
                        (PHONE)
=====
  
```

```

=====
PROCESSES SUBJECT      THROUGHPUT      POLLUTANT      EMISSION LIMITS      ... & BASIS
TO THIS PERMIT          CAPACITY        EMITTED        CONTROL EQUIPMENT OR PROCESS MODIFICATION ... PCT EFF
-----
FLARE, #3-81           300.00 BTU/SCF
                        S02      144.4800 LB/H
=====
  
```

NOTES -----
 NO APPLICABLE NSPS FOR GAS PROCESSING PLANTS. PERMIT INCLUDES PROVISION FOR RE-EVALUATION OF BACT, DEPENDING UPON H2S CONTENT OF SOUR GAS STEAM.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP

STATUS:

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

```

=====
SOURCE TYPE/SIZE---    NATURAL GAS/GASOLINE PROCESSING PLANTS    60.00 MMCFD
-----
COMPANY NAME/SITE LOCATION DELHI GAS PIPELINE CORP.
-----
                                ATHENS, TX
                                HENDERSON COUNTY
-----
DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 8628
DETERMINATION MADE BY    TEXAS ACB
                        (AGENCY)
                        STUART KEIL
                        (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 04/29/82
ESTIMATED DATE OF START-UP-- 1983
                        (512)-451-5711
                        (PHONE)
=====
  
```

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
GAS PROCESSING PLANT - SULFUR	37.70 LT/D	SO2	92.9000 T/YR 400.0000 PPM	
GAS PROCESSING PLANT - GAS	60.00 MMCF/D	H2S	1.3000 T/YR 10.0000 PPM	99.70

NOTES -----

CONCENTRATIONS OF SO2 AND H2S ARE CALCULATED ON A DRY, OXYGEN FREE BASIS AT INCINERATOR EXIT.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

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ID NUMBER TX-0096

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

SOURCE TYPE CODE 5.12

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

```

=====
SOURCE TYPE/SIZE---    NATURAL GAS/GASOLINE PROCESSING PLANTS    11.50 MMCFD
-----
COMPANY NAME/SITE LOCATION  ENDERCO                                GARLAND, AR                                MILLER COUNTY
-----
DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. PSD-704-A
DETERMINATION MADE BY    ARKANSAS DEP                                CECIL HARRELL                                DATE OF PERMIT ISSUANCE-- 02/23/83
                                (AGENCY)                                (AGENCY CONTACT PERSON)                                ESTIMATED DATE OF START-UP-- 1983
                                                                (501)-562-7444                                (PHONE)
=====
  
```

```

=====
PROCESSES SUBJECT      THROUGHPUT      POLLUTANT      EMISSION LIMITS      ... & BASIS
TO THIS PERMIT          CAPACITY        EMITTED        CONTROL EQUIPMENT OR PROCESS MODIFICATION ... PCT EFF
-----
AMINE SWEETENING CLAUS    11.50 MMCF/D          SO2            155.0000 LB/H          BACT
                                                                CLAUS PLANT          90.00
  
```

NOTES -----

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

SOURCE TYPE/SIZE--- NATURAL GAS/GASOLINE PROCESSING PLANTS 15.00 MMCFD
COMPANY NAME/SITE LOCATION ETexas PRODUCERS GAS CO. , TX SMITH COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.

PERMIT NO. X-3832

DETERMINATION MADE BY

TEXAS ACB
(AGENCY)JENNIFER SEINFELD
(AGENCY CONTACT PERSON)DATE OF PERMIT ISSUANCE-- 10/05/82
ESTIMATED DATE OF START-UP-- 1983
(512)-451-5711
(PHONE)

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

HOT OIL HEATER	2.26 MMBTU/H	NOX	2.1000 T/YR	AP42
REGENERATION HEATER	1.31 MMBTU/H	NOX	1.4000 T/YR	AP42
COMPRESSOR	700.00 HP	VOC	3.0000 T/YR	
			4.4000 G/HP-H	
		NOX	67.0000 T/YR	
			10.0000 G/HP-H	
		CO	9.0000 T/YR	
			1.4000 G/HP-H	
FLAPE, EMERGENCY		VOC	24.0000 T/YR	AP42

NOTES -----

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 05/04/1984

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ID NUMBER TX-0123

SOURCE TYPE CODE 5.12

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

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=====
SOURCE TYPE/SIZE---      NATURAL GAS/GASOLINE PROCESSING PLANTS      24.00 MMCFD NAT GAS
-----
COMPANY NAME/SITE LOCATION EXXON CO., U.S.A.                      GILMER, TX
                        6 MI. N. GILMER W. HWY 271                UPSHAW COUNTY
-----
DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. (REGION FILE NO.) PSD-TX-362
DETERMINATION MADE BY      EPA REGION VI                      JOHN BUNYAK
                        (AGENCY)                          (AGENCY CONTACT PERSON)
                                                    DATE OF PERMIT ISSUANCE-- 02/09/82
                                                    ESTIMATED DATE OF START-UP--
                                                    (214)-767-1594
                                                    (PHONE)
=====

```

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
DIETHENOLAMINE (DEA) REGEN.	4.50 MMBTU/H	SO2	0.0004 LB/MMBTU NAT. GAS AS FUEL	
GLYCOL RECONCENTRATOR	0.72 MMBTU/H	SO2	0.0003 LB/MMBTU NAT. GAS AS FUEL	
FLARE		SO2	129.3500 LB/H SMOKELESS, NO OTHER TECH. FEAS.	

NOTES -----

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

=====

SOURCE TYPE/SIZE---	NATURAL GAS/GASOLINE PROCESSING PLANTS	60.00 MMCFD
---------------------	--	-------------

COMPANY NAME/SITE LOCATION	LIQUID ENERGY CORP.	NEAR ARTESIA, NM
----------------------------	---------------------	------------------

DETERMINATION IS BACT FOR A NEW SOURCE.		DATE OF PERMIT ISSUANCE-- 12/10/81
PERMIT NO. NM-389		ESTIMATED DATE OF START-UP-- 1981
DETERMINATION MADE BY	AIR QUALITY BUREAU - NMEID	(505)-984-0020
	SHANKAR ANANTHAKRISHNA	(PHONE)
	(AGENCY)	
	(AGENCY CONTACT PERSON)	

=====

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. COMPRESSOR	2000.00 HP	NOX	3.4000 G/HP-H LOW NOX ENGINE	
ENGINE, I.C. COMPRESSOR	2000.00 HP	NOX	3.4000 G/HP-H LOW NOX ENGINE	
ENGINE, I.C. COMPRESSOR	2000.00 HP	NOX	3.4000 G/HP-H LOW NOX ENGINE	

NOTES -----

STACK TESTS, EPA REF. METHOD 20, WERE PERFORMED ON ALL THREE ENGINES & THE ACTUAL EMISSIONS WERE 2.01 G/HP-H, 2.6 G/HP-H, & 3.28 G/HP-H

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

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ID NUMBER NM-0008

SOURCE TYPE CODE 5.12

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

SOURCE TYPE/SIZE--- NATURAL GAS/GASOLINE PROCESSING PLANTS

COMPANY NAME/SITE LOCATION MAPCO PRODUCTION CO. NEAR ROSWELL, NM

DETERMINATION IS BACT FOR A MODIFIED SOURCE.

DATE OF PERMIT ISSUANCE-- 01/14/83

PERMIT NO. PSD-NM-576

ESTIMATED DATE OF START-UP-- 1983

DETERMINATION MADE BY

AIR QUALITY BUREAU - NMEID
(AGENCY)SHANKAR ANANTHAKRISHNA
(AGENCY CONTACT PERSON)(505)-984-0020
(PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
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ACID GAS FLARE	7.50 MMSCFD	SO2	703.0000 LB/H DIETHANOL AMINE UNIT	
ENGINE, I.C. COMPRESSOR	446.00 HP	NOX	9.0000 G/HP-H AIR/FUEL RATIO	
ENGINE, I.C. COMPRESSOR	670.00 HP	NOX	9.0000 G/HP-H AIR/FUEL RATIO	
ENGINE, I.C. COMPRESSOR	507.00 HP	NOX	9.0000 G/HP-H AIR/FUEL RATIO	
ENGINE, I.C. COMPRESSOR	278.00 HP	NOX	9.0000 G/HP-H AIR/FUEL RATIO	

NOTES -----

STACK TESTS, EPA REF. METHOD 7, WERE PERFORMED ON ALL FOUR ENGINES & EMISSIONS WERE 7.1 G/HP-H.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

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ID NUMBER NM-0007

SOURCE TYPE CODE 5.12

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

=====

SOURCE TYPE/SIZE---	NATURAL GAS/GASOLINE PROCESSING PLANTS	7.10 MMCFD

COMPANY NAME/SITE LOCATION	MARATHON OIL CO.	, WY
		PARK COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.		DATE OF PERMIT ISSUANCE-- 01/20/83
PERMIT NO. CT-479		ESTIMATED DATE OF START-UP-- 1984
DETERMINATION MADE BY	WYOMING AGD	CHUCK COLLINS
	(AGENCY)	(AGENCY CONTACT PERSON)
		(307)-777-7391
		(PHONE)

=====

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
STILL, GLYCOL	0.76 MMBTU/H			
HEATER, HOT OIL	14.20 MMBTU/H	NOX	0.2000 LB/MMBTU	SIP
INCINERATOR, SULFUR PLANT	2.50 MMBTU/H	NOX	0.2000 LB/MMBTU	SIP
		SO2	79.8000 LB/H	BACT
			31.9000 LB/MMBTU	
			5 LTD CLAUS	90.00

NOTES -----

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS:

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ID NUMBER WY-0002

SOURCE TYPE CODE 5.12

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

=====

SOURCE TYPE/SIZE---	NATURAL GAS/GASOLINE PROCESSING PLANTS	12.50 MMCFD

COMPANY NAME/SITE LOCATION	MOUNTAIN FUEL SUPPLY	UINTA, WY

DETERMINATION IS BACT FOR A NEW SOURCE.		DATE OF PERMIT ISSUANCE-- 08/01/78
PERMIT NO. CT-117		ESTIMATED DATE OF START-UP-- 1980
DETERMINATION MADE BY	WYOMING AQD	(307)-332-3144
	(AGENCY)	(PHONE)
	LEE GRIBOVICZ	
	(AGENCY CONTACT PERSON)	

=====

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

INCINERATOR, SULFUR PLANT		SO2	0.1830 % V AT 0% O2, DRY BASIS	BACT
		CO	0.0523 % V AT 0% O2, WET BASIS 2 STAGE CLAUS PLUS CBA	BACT 98.60
TURBINE, GAS, 2 EA	788.00 HP	CO	0.0072 % V AT 0% O2, WET BASIS DESIGN	BACT

NOTES -----
BACT ANALYSIS - SCOT VS. CBA

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS:

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ID NUMBER WY-0010

SOURCE TYPE CODE 5.12

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

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=====
SOURCE TYPE/SIZE---    NATURAL GAS/GASOLINE PROCESSING PLANTS
-----
COMPANY NAME/SITE LOCATION  PACIFIC ALASKA LNG ASSOCIATES
-----
                                KENAI, AK
-----
DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 8423-AA002
DETERMINATION MADE BY    ALASKA DEC
                        (AGENCY)
                        DAVE ESTES
                        (AGENCY CONTACT PERSON)
                        DATE OF PERMIT ISSUANCE-- 01/30/84
                        ESTIMATED DATE OF START-UP-- 1987
                        (907)-465-2666
                        (PHONE)
=====
  
```

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=====
PROCESSES SUBJECT      THROUGHPUT    POLLUTANT    EMISSION LIMITS    ... & BASIS
TO THIS PERMIT        CAPACITY      EMITTED      CONTROL EQUIPMENT OR PROCESS MODIFICATION ... PCT EFF
-----
HEATER, PROCESS, GAS FIRED, 5
                                NOX      38.0000 NG/J
                                0.0900 LB/MMBTU
                                LOW NOX BURNERS
                                BACT
  
```

NOTES -----

THIS BACT DETERMINATION RESULTED FROM AN 18 MONTH REQUEST FOR EXTENSION AT A FACILITY PREVIOUSLY PERMITTED BY EPA REGION 10.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

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ID NUMBER 71 0070

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INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/13/1984
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SOURCE TYPE CODE 5.12
  
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APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

SOURCE TYPE/SIZE--- NATURAL GAS/GASOLINE PROCESSING PLANTS

COMPANY NAME/SITE LOCATION PHILADELPHIA GAS WORKS

PHILADELPHIA, PA

PHILADELPHIA COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.

PERMIT NO. 78PA03

DETERMINATION MADE BY

EPA REGION III
(AGENCY)VERNON BUTLER
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 05/15/79

ESTIMATED DATE OF START-UP--

(215)-597-2711

(PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BOILER	110.00 MBTU/H	PM	5.4000 LB/H	BACT
		SO2	75.0000 LB/H	BACT
			STRETFORD LOW S FUEL	
		NOX	74.0000 LB/H	BACT
STORAGE TANKS	1.00 MMBBL/YR	VOC	91.0000 T/YR	BACT
			DBL SEALS, FLOAT. ROOF TANKS	

NOTES -----

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

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REVIEW STATUS: 04/01/1983

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ID NUMBER PA-0002

SOURCE TYPE CODE 5.12

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

SOURCE TYPE/SIZE--- NATURAL GAS/GASOLINE PROCESSING PLANTS 30.00 MMCFD
 COMPANY NAME/SITE LOCATION PHILLIPS PETROLEUM CO. , ND WILLIAMS COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
 PERMIT NO.
 DETERMINATION MADE BY NORTH DAKOTA SHD GARY HELBING DATE OF PERMIT ISSUANCE-- 10/25/82
 (AGENCY) (AGENCY CONTACT PERSON) ESTIMATED DATE OF START-UP-- 1983
 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
INCINERATOR STACK	30.00 MMCF/D	SO2	93.3000 LB/H CLAUS PLANT	BACT 98.50

NOTES -----

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
 REVIEW STATUS: 04/01/1993

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

SOURCE TYPE/SIZE--- NATURAL GAS/GASOLINE PROCESSING PLANTS

COMPANY NAME/SITE LOCATION PHILLIPS PETROLEUM CO.
HWY 126 15 MI. S. OF MALJAMAR

MALJAMAR, NM

LEA COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.

PERMIT NO. (REGION FILE NO.) PSD-NM-389

DETERMINATION MADE BY EPA REGION VI
(AGENCY)JOHN BENHAM
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 10/08/81

ESTIMATED DATE OF START-UP--

(214)-767-1594
(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. COMPRESSOR, 2 EA

585.00 HP EA

NOX

11.0000 G/HP-H
AIR/FUEL RATIO

BACT

NOTES -----

2 INTERNAL COMBUSTION COMPRESSOR ENGINES.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

SOURCE TYPE/SIZE--- NATURAL GAS/GASOLINE PROCESSING PLANTS

COMPANY NAME/SITE LOCATION PHILLIPS PETROLEUM CO. BARTLESVILLE, TX 74009
PHILLIPS BUILDING

DETERMINATION IS BACT FOR A MODIFIED SOURCE.

PERMIT NO. (REGION FILE NO.) PSD-TX-314

DETERMINATION MADE BY EPA REGION VI
(AGENCY)JOE WINKLER
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 01/30/80

ESTIMATED DATE OF START-UP--

(214)-767-1594
(PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
I.C. COMPRESSOR ENGINES	650.00 HP EA	NOX	12.4000 G/HP-H AIR/FUEL RATIO	BACT
TURBINE COMPRESSOR ENGINES	3000.00 HP EA	NOX	1.8000 G/HP-H NORMAL OPERATION	BACT

NOTES -----

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

SOURCE TYPE/SIZE--- NATURAL GAS/GASOLINE PROCESSING PLANTS

COMPANY NAME/SITE LOCATION PROCESS EQUIPMENT CORP.

MAYFIELD, MI

GRAND TRAVERSE COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.

PERMIT NO. 813-81

DETERMINATION MADE BY

MICHIGAN DNR
(AGENCY)DAVID FERRIER
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 03/23/82

ESTIMATED DATE OF START-UP-- 1982

(517)-322-1333

(PHONE)

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

SOUR GAS SWEETENER

10.00 MMSCFD

SO2

81.1000 LB/MMSCF
CLAUS UNIT

85.00

NOTES -----

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983 03/13/1984

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

=====

SOURCE TYPE/SIZE---	NATURAL GAS/GASOLINE PROCESSING PLANTS	39.00 MMBTU/H

COMPANY NAME/SITE LOCATION	REPUBLIC REFINING CO.	JOHNS, MS
		RANKIN COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.		DATE OF PERMIT ISSUANCE-- 08/03/81
PERMIT NO. (REGION FILE NO.) PSD-MS-037		ESTIMATED DATE OF START-UP--
DETERMINATION MADE BY	MISSISSIPPI DNR	(601)-354-2550
	(AGENCY)	(PHONE)
	DWIGHT WILEY	
	(AGENCY CONTACT PERSON)	

=====

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

NAT. GAS PROCESSING-SULFUR RECO*	50.00 MMCF/D	SO2	0.0030 LB/H EA TREATED NAT. GAS FOR BOILERS	BACT

NOTES -----
TWO BOILERS

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

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ID NUMBER MS-0004

SOURCE TYPE CODE 5.12

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

=====

SOURCE TYPE/SIZE---	NATURAL GAS/GASOLINE PROCESSING PLANTS		

COMPANY NAME/SITE LOCATION	SHELL OIL CO. SECTION 10	FREDERIC TOWNSHIP, MI	CRAWFORD COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.		DATE OF PERMIT ISSUANCE-- 04/19/83	
PERMIT NO. 617-82		ESTIMATED DATE OF START-UP-- 1985	
DETERMINATION MADE BY	MICHIGAN DNR (AGENCY)	LAURA STEINBERGER (AGENCY CONTACT PERSON)	(517)-322-1333 (PHONE)

=====

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

GAS SWEETENING FACILITY	7.00 MMCF/D	S02	3-STAGE CLAUS UNIT	93.50
		S02	184.0000 LB/H	
			540.0000 LB/H	
			GROUND LEVEL INCINERATOR	99.90

NOTES -----
2ND ALTERNATE LIMIT - 2100 LB/D

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/19/1984

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

SOURCE TYPE/SIZE--- NATURAL GAS/GASOLINE PROCESSING PLANTS 117.00 MMSCFD

COMPANY NAME/SITE LOCATION SID RICHARDSON CARBON & GASOLINE CO. KERMIT, TX
----- WINKLER COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. 2724

DETERMINATION MADE BY

TEXAS ACB
(AGENCY)LES MONTGOMERY
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 01/14/81
ESTIMATED DATE OF START-UP-- 1981
(512)-451-5711
(PHONE)

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

NATURAL GAS TREATING PLANT 117.00 MMSCFD
SO2 816.0000 T/YR
SELECTOX S RECOV. UNIT 95.00

NOTES -----

SELECTOX SRU CATALYTICALLY OXIDIZES HYDROGEN SULFIDE EXTRACTED FROM RAW NATURAL GAS TO ELEMENTAL SULFUR. THIS UNIT IS A THREE
STAGE PROCESS ACHIEVING AT LEAST 95% CONVERSION TO H2S. THE REMAINDER IS INCINERATED TO SO2.
THIS IS A SMALL UNIT IN AN ISOLATED LOCATION.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

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ID NUMBER TX-0094

SOURCE TYPE CODE 5.12

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

=====

SOURCE TYPE/SIZE---	NATURAL GAS/GASOLINE PROCESSING PLANTS	10.00 MMCFD	

COMPANY NAME/SITE LOCATION	WARREN PETROLEUM CO. 20 MI. NW OF TATUM	VADA, NM 88267	LEA COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.		DATE OF PERMIT ISSUANCE-- 12/23/81	
PERMIT NO. (REGION FILE NO.) PSD-NM-156M-1		ESTIMATED DATE OF START-UP--	
DETERMINATION MADE BY	EPA REGION VI (AGENCY)	TOM DIGGS (AGENCY CONTACT PERSON)	(214)-767-1594 (PHONE)

=====

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

ACID GAS FLARE	10.00 MMSCFD	SO2	703.0000 LB/H 0.0016 LB/SCF DIETHANOL AMINE UNIT	

NOTES -----

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

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=====
SOURCE TYPE/SIZE---    NATURAL GAS/GASOLINE PROCESSING PLANTS                24.00 MMCFD
-----
COMPANY NAME/SITE LOCATION  WARREN PETROLEUM CO.                                , ND                                BILLINGS COUNTY
-----
DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO.
DETERMINATION MADE BY    NORTH DAKOTA SHD                                TERRY O'CLAIR                                DATE OF PERMIT ISSUANCE-- 01/12/83
                           (AGENCY)                                (AGENCY CONTACT PERSON)                   ESTIMATED DATE OF START-UP--
                                                                                                       (701)-224-2348
                                                                                                       (PHONE)
=====
  
```

```

=====
PROCESSES SUBJECT      THROUGHPUT      POLLUTANT      EMISSION LIMITS      ... & BASIS
TO THIS PERMIT          CAPACITY        EMITTED        CONTROL EQUIPMENT OR PROCESS MODIFICATION ... PCT EFF
-----
INCINERATOR STACK
                                     SO2      534.0000 LB/H
                                               CLAU S & CBA
                                               BACT
                                               98.60
  
```

NOTES -----

THIS IS A MAJOR MODIFICATION OF AN EXISTING SOURCE, THE EXISTING SOURCE CURRENTLY PROCESSES 20 - 24 MMCF/D OF GAS WITH AN EMISSION RATE LIMITED TO 269 LB/H. AFTER EXPANSION THE NEW SO2 EMISSION RATE WILL BE 534 LB/H & CAN HANDLE ABOUT ANOTHER 30 MMCF/D.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

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ID NUMBER ND-0001

SOURCE TYPE CODE 5.12

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

SOURCE TYPE/SIZE--- ASPHALT & ASSOCIATED PRODUCTS MFG./PROCESSING

COMPANY NAME/SITE LOCATION KERNRIDGE OIL CO. , CA
BELRIDGE OIL FIELD KERN COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.

PERMIT NO. (REGION FILE NO.) SJ-79-26

DETERMINATION MADE BY EPA REGION IX
(AGENCY)DON HARVEY
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 04/14/81

ESTIMATED DATE OF START-UP--

(415)-974-8223

(PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
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STEAM GEN., 11 EA	50.00 MMBTU/H	SO2	0.0650 LB/MMSTU	
			1.2000 % S FUEL OIL	
			SO2 SCRUBBER W/ EDUCTOR/VENTURI	95.00
		NOX	0.2000 LB/MMSTU	BACT
			LOW NOX BURNERS EXCESS O2 CONTROLLERS	50.00
		PM	0.0570 LB/MMSTU	LAER
			SO2 SCRUBBER W/ EDUCTOR/VENTURI	50.00
		PM	0.0100 LB/MMSTU	LAER
			SCRUBBER W/ ESP SECTION	90.00
OIL WELL VENTS - EXISTING		VOC	NONE	
			VAPOR RECOVERY	85.00
OIL WELL VENTS - NEW		VOC	NONE	
			SHUT IN WELLS	100.00

NOTES -----

PM EMISSIONS FROM ONE OF THE UNITS WILL BE CONTROLLED WITH AN ESP WHICH IS AN INNOVATIVE TECHNOLOGY AS APPLIED TO THERMALLY ENHANCED OIL RECOVERY (TEOR).

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983 04/04/1984

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ID NUMBER CA-0009

SOURCE TYPE CODE 5.13

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

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=====
SOURCE TYPE/SIZE---      ASPHALT & ASSOCIATED PRODUCTS MFG./PROCESSING      130.00 T/YR
-----
COMPANY NAME/SITE LOCATION  R.A. CHILDS                                , UT
-----
DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. MIN 083182-5T
DETERMINATION MADE BY      UTAH BAQ              DON ROBINSON
                           (AGENCY)              (AGENCY CONTACT PERSON)
                                           DATE OF PERMIT ISSUANCE-- 10/08/82
                                           ESTIMATED DATE OF START-UP-- 1983
                                           (801)-533-6108
                                           (PHONE)
=====
  
```

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
DRUM DRYER	130.00 T/H	PM	0.0200 GR/DSCF 1.4900 LB/H VENTURI SCRUBBER	99.00
		VE	20.0000 % OPACITY	

NOTES -----
MOBILE ASPHALT PLANT

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983 02/13/1984

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

```

=====
SOURCE TYPE/SIZE---      ASPHALT & ASSOCIATED PRODUCTS MFG./PROCESSING      30000.00 GAL
-----
COMPANY NAME/SITE LOCATION  US OIL & REFINING CO.      TACOMA, WA 98401
                          3001 MARSHALL AVE.
-----
DETERMINATION IS BACT FOR A NEW SOURCE.      DATE OF PERMIT ISSUANCE-- 08/15/83
PERMIT NO. N/C 2455      ESTIMATED DATE OF START-UP-- 1984
DETERMINATION MADE BY    PUGET SOUND APCA      HARRY WATTERS
                          (AGENCY)      (AGENCY CONTACT PERSON)
                                          (206)-344-7334
                                          (PHONE)
=====
  
```

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
ASPHALT BLOW STILL, 2	15000.00 GAL EA	PM	0.0200 LB/T ASPHALT CHARGED INCINERATOR	95.00
		SO2	0.1000 GR/DSCF H2S IN FUEL GAS CONTINUOUS MONITORING	

NOTES -----

APPROVED NOTICE OF CONSTRUCTION AND TRANSMITTAL LETTER DATED 08/15/83. ASPHALT TRUCK LOADING RACK WITH HEAF CONTROL, AND 5 ASP
 HALT STORAGE TANKS WITH HIGH ENERGY AIR FILTER, HEAF, CONTROL.
 SOURCE CLAIMS CONFIDENTIALITY FOR DETAILS OF PROCESS.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
 REVIEW STATUS: 04/13/1984

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

SOURCE TYPE/SIZE--- CRUDE OIL/NAT. GAS PRODUCTION (INCL. OIL SHALE)

COMPANY NAME/SITE LOCATION AMINOIL USA, INC. HUNTINGTON BEACH, CA 92648

DETERMINATION IS BACT FOR A MODIFIED SOURCE.

PERMIT NO. NSR-4-4-9 LA-82-01

DETERMINATION MADE BY EPA REGION IX
(AGENCY)

DAVID SOLOMON
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 08/04/82

ESTIMATED DATE OF START-UP--

(415)-974-8240

(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 & WASTE HEAT BOILER	6464.00 KW			
-----------------------------	------------	--	--	--

SOX	14.0000 LB/H	BACT
	FGD SYSTEM	95.00
BE	0.0000 LB/H	
	WET SCRUBBER & FGD SYSTEM	99.00

NOTES -----

36.0 BBLS/H OF 1.34% SULFUR CRUDE OIL

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983 04/04/1984

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

=====

SOURCE TYPE/SIZE---

CRUDE OIL/NAT. GAS PRODUCTION (INCL. OIL SHALE)

=====

COMPANY NAME/SITE LOCATION

BEREY HOLDING CO.

, CA

MIDWAY-SUNSET OIL FIELD

KERN COUNTY

=====

DETERMINATION IS

FOR A MODIFIED SOURCE.

DATE OF PERMIT ISSUANCE-- 02/23/81

PERMIT NO. (REGION FILE NO.) SJ-79-17

ESTIMATED DATE OF START-UP--

DETERMINATION MADE BY EPA REGION IX

DON HARVEY
(AGENCY CONTACT PERSON)(415)-974-8223
(PHONE)

=====

PROCESSES SUBJECT
TO THIS PERMITTHROUGHPUT
CAPACITYPOLLUTANT
EMITTED

EMISSION LIMITS

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

COMPRESSOR, ROTARY SCREW, 2 EA

500.00 HP

VOC

690.0000 PPM (AS CARBON)

INCINERATION IN STEAM GENERATOR AT 2800 F 95.00

COMPRESSORS, RECIP. BOOSTER, 2 *

VOC

10.5000 LB/H 3% O2

NOTES -----

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

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INITIAL REVIEW POST STARTUP

REVIEW STATUS: 04/01/1983 04/04/1984

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ID NUMBER CA-0008

SOURCE TYPE CODE 5.14

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

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=====
SOURCE TYPE/SIZE---      CRUDE OIL/NAT. GAS PRODUCTION (INCL. OIL SHALE)      450.00 MMBTU/H
-----
COMPANY NAME/SITE LOCATION CHEVRON USA, INC.                                BAKERSFIELD, CA
                        P.O. BOX 5355
-----
DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. NSR-4-4-8 SJ-79-32
DETERMINATION MADE BY     EPA REGION IX                                BOB BAKER
                        (AGENCY)                                (AGENCY CONTACT PERSON)
                                                                DATE OF PERMIT ISSUANCE-- 07/16/82
                                                                ESTIMATED DATE OF START-UP--
                                                                (415)-974-8215
                                                                (PHONE)
=====

```

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BOILERS, 9	390.00 GAL/H, EA			
		SO2	18.8000 LB/H WET SCRUBBERS 1.5% S LIMIT ON FUEL OIL	BACT 90.00
		PM	3.6000 LB/H WET SCRUBBERS	LAER 50.00

NOTES -----

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

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REVIEW STATUS: 04/01/1983 04/04/1984

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ID NUMBER CA-0037

SOURCE TYPE CODE 5.14

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

=====

SOURCE TYPE/SIZE---	CRUDE OIL/NAT. GAS PRODUCTION (INCL. OIL SHALE)	24.00 MMCF

COMPANY NAME/SITE LOCATION	EXXON CO P. O. BOX 60626	NEW ORLEANS, MS HINDS COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.		DATE OF PERMIT ISSUANCE-- 03/04/81
PERMIT NO. MS 030		ESTIMATED DATE OF START-UP-- 1981
DETERMINATION MADE BY	MISSISSIPPI DNR (AGENCY)	DWIGHT WILEY (AGENCY CONTACT PERSON) (601)-354-2550 (PHONE)

=====

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

TEST WELL	25.00 MMCF/D	SO2	745.0000 T/D 30 D MAX FLARE	99.00

NOTES -----
TEST FACILITY -- EXPECTED LIFE 120 DAYS.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

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SOURCE TYPE/SIZE---	CRUDE OIL/NAT. GAS PRODUCTION (INCL. OIL SHALE)	426.00 BBL/D
---------------------	---	--------------

COMPANY NAME/SITE LOCATION	GEOKINETICS INC., OIL SHALE	40 MILES S. VERNAL, UT	UINTAH COUNTY
----------------------------	-----------------------------	------------------------	---------------

DETERMINATION IS BACT			DATE OF PERMIT ISSUANCE-- 11/13/80
PERMIT NO.			ESTIMATED DATE OF START-UP--
DETERMINATION MADE BY	EPA REGION VIII	JOHN DALE	(303)-837-3763
	(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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GENERATOR	650.00 HP	NOX	38.9000 LB/H DESIGN	BACT
		VE	20.0000 % OPACITY	
INCINERATOR	100.00 BBL/D	NOX	45.1000 LB/H NONE	BACT 0.00
		SO2	135.3000 LB/H NONE	BACT 0.00
		VE	20.0000 % OPACITY	

NOTES -----

3.5 YR OPERATION, LIMITED EXPERIMENTAL VARIANCE.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

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ID NUMBER UT 000.

UTAH TYPE CODE 5.14

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

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=====
SOURCE TYPE/SIZE---      CRUDE OIL/NAT. GAS PRODUCTION (INCL. OIL SHALE)      225.00 MMSCFD
-----

COMPANY NAME/SITE LOCATION  MOBIL OIL EXPLORATION                      , AL                      MOBILE COUNTY
-----

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. AL-078
DETERMINATION MADE BY      ALABAMA APCD                      SUE ROBERTSON                      DATE OF PERMIT ISSUANCE-- 10/16/81
                           (AGENCY)                      (AGENCY CONTACT PERSON)          ESTIMATED DATE OF START-UP--
                                           (PHONE)                          (205)-834-6570
                                           (PHONE)
=====
  
```

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... FCT EFF
NAT. GAS SULFUR REMOVAL	225.00 MMSCFD	SO2	200.0000 LB/H EA CLAUS AND SCOT TAIL GAS REMOVAL	BACT 99.86
DIESEL ENGINES, 4 RIGS	1100.00 HP/ENGINE	CO	9.4000 LB/H-RIG NONE	
		SO2	7.3000 LB/H-RIG LOW S FUEL	
		NOX	71.6000 LB/H-RIG NONE	
		PM	3.4000 LB/H-RIG NONE	
SUPPLEMENTAL BOILER	50.00 MMBTU/H	NOX	0.2000 LB/MMSTU STAGED COMBUSTION & LOW EXCESS AIR	54.00
		SO2	1.0000 LB/H LOW S FUEL	
SULFUR DEPOT BOILER	5.00 MMBTU/H	NOX	0.2000 LB/MMSTU STAGED COMBUSTION & LOW EXCESS AIR	37.00
		SO2	2.2000 LB/H LOW S FUEL	

(CONTINUED) MOBIL OIL EXPLORATION

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

TURBINE GENERATOR, GAS-FIRED	7.50 MW				
		NOX	175.0000	PPM BY VOL	
				NONE	
		SO2	1.0000	LB/H	
				LOW S FUEL	
PLATFORM GENERATORS, 5 EA., GAS*	661.00 HP/ENGINE				
		NOX	146.0000	LB/H-PLATFORM	
				NONE	
		CO	146.0000	LB/H-PLATFORM	
				NONE	
		SO2	1.0000	LB/H-PLATFORM	
				LOW S FUEL	

NOTES -----
DRILLING PERMIT

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
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APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

SOURCE TYPE/SIZE--- CRUDE OIL/NAT. GAS PRODUCTION (INCL. OIL SHALE) 1.00 MMBL/D

COMPANY NAME/SITE LOCATION OXY-LOGAN WASH MODIF.1980 NEAR DE BEQUE, CO GARFIELD COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE. DATE OF PERMIT ISSUANCE-- 06/27/80
 PERMIT NO. ESTIMATED DATE OF START-UP--
 DETERMINATION MADE BY EPA REGION VIII JOHN DALE (303)-837-3763
 (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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BOILER, ETC		CO	2.0000 LB/H	BACT
		VOC	3.0000 LB/H	BACT
			CONDENSOR	
		NOX	52.0000 LB/H	BACT
			CONDENSOR	60.00
		PM	7.0000 LB/H	BACT
RETORT	1000.00 BBL/D		DUST CONTROL	50.00
		SO2	31.0000 LB/H	
		CO	3640.0000 LB/H	BACT
		VOC	154.0000 LB/H	BACT
			CONDENSOR	60.00
		H2S	376.0000 LB/H	BACT

NOTES -----
 OPERATION OVER IN 1982

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE. INITIAL REVIEW POST STARTUP
 REVIEW STATUS: 04/01/1983
 PAGE G- 530 ID NUMBER CO-0009 SOURCE TYPE CODE 5.14

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

SOURCE TYPE/SIZE--- CRUDE OIL/NAT. GAS PRODUCTION (INCL. OIL SHALE)

COMPANY NAME/SITE LOCATION PARAHO DEVELOPMENT CORP.

, UT

UINTAH COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.

PERMIT NO.

DATE OF PERMIT ISSUANCE-- 11/16/82

DETERMINATION MADE BY

UTAH BAQ
(AGENCY)DONALD ROBINSON
(AGENCY CONTACT PERSON)ESTIMATED DATE OF START-UP-- 1990
(801)-533-6108
(PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BOLTING, SCALING, HANDLING, DRI*	75000.00 T/D SHALE	FUG*		
BLASTING	54000.00 LB ANFO/D	CO NOX FUG*	WATER SPRAYING	50.00
CRUSHING	75000.00 T/D	PM	0.0150 GR/DSCF BAGHOUSE	99.90
IN MINE TRANSFER	75000.00 T/D	PM	0.0150 GR/DSCF BAGHOUSE	99.00
MINE MOBILE EQUIPMENT	11730.00 GAL/D DIESEL*	PM	11.0000 LB/MGAL SETTLING	50.00
		NOX	385.2000 LB/MGAL CATALYTIC CONVERTER	10.00
		SO2	31.2000 LB/MGAL	
		VOC	2.8000 LB/MGAL CATALYTIC CONV.	90.00

CO	4.5000 LB/MGAL CATALYTIC CONV.	95.00
----	-----------------------------------	-------

(CONTINUED) PARAHIO DEVELOPMENT CORP.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
MATERIAL HANDLING	75000.00 T/D			
		PM	0.0100 GR/DSCF BAGHOUSE	99.00
		PM	0.0150 GR/DSCF BAGHOUSE	99.00
		PM	0.0200 GR/DSCF WET SCRUBBERS	99.00
STORAGE PILES	VARIOUS SIZ*			
		PM	WATER SPRAYS	50.00
HYDROGEN PLANT REFORMER FURNACE	800.00 MMSTU/H			
		PM	15.0000 LB/MMCF	
		CO	17.0000 LB/MMCF	
		VOC	3.0000 LB/MMCF	
		NOX	161.0000 LB/MMCF LOW NOX BURNERS	30.00
		SO2	0.6000 LB/MMCF	
		PM	0.0150 LB/MMSTU	
		CO	0.0170 LB/MMSTU	
		VOC	0.0030 LB/MMSTU	
		NOX	0.1610 LB/MMSTU LOW NOX BURNERS	30.00
		SO2	9.8300 LB/H HOLMES STRETFORD UNIT	99.60
HYDROTREATER FEED FURNACE	41.25 MMSTU/H			
		PM	15.0000 LB/MMCF	
		CO	17.0000 LB/MMCF	
		VOC	3.0000 LB/MMCF	
		NOX	161.0000 LB/MMCF LOW NOX BURNERS	30.00
		SO2	0.6000 LB/MMCF	
POWER GENERATION FACILITY	2110.00 MMSTU/H			
		PM	0.0150 LB/MMSTU	
		CO	0.0170 LB/MMSTU	
		VOC	0.0030 LB/MMSTU	
		NOX	0.2500 LB/MMSTU	NSPS
			WATER WASH OF RETORT OFF GAS TO REMOVE NH3	97.00
		NOX	0.2000 LB/MMSTU	NSPS

S02	0.1400	WATER WASH OF RETORT OFF GAS TO REMOVE NH3 LB/MMBTU REMOVE H2S BEFORE COMBUST.	97.00
			99.60

(CONTINUED) PARAHO DEVELOPMENT CORP.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
PACKAGE BOILER	14.50 MMBTU/H #2 *	PM	2.0000 LB/MGAL	
		SO2	0.5000 % S CONTENT	
		CO	5.0000 LB/MGAL	
		VOC	1.0000 LB/MGAL	
		NOX	22.0000 LB/MGAL	
STORAGE TANKS, 4	53000.00 BBL	VOC	INTERNAL FLOATING ROOF & PRIMARY SEAL	95.00
CRUDE SHALE OIL STORAGE TANKS, 7	150000.00 BBL	VOC	EXT. FLOAT. ROOF W/PRIMARY & SEC. SEAL	95.00

NOTES -----

.015 PM LIMITATION IS FOR LARGER BAGHOUSES ON CRUSHERS. PWR. GEN. - 3 STACKS GAS TURBINE & WASTE HEAT BOILER EA. BOILERS PROVIDE 36.73% HEAT INPUT. 9 OTHER TANKS WILL CONTAIN EITHER #2 FUEL OIL, PROPANE (CRYOGENIC), DIESEL FUEL OR GASOLINE. NONE OF THEM SUBJECT TO NSPS. SO2 EMISSIONS FROM POWER GENERATION FACILITIES INCLUDE RETORT OFF GAS AND WASTE WATER TREATMENT ACID GAS.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

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ID NUMBER UT-0024

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

SOURCE TYPE CODE 5.14

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

SOURCE TYPE/SIZE--- CRUDE OIL/NAT. GAS PRODUCTION (INCL. OIL SHALE) 2.00 MMBL/D

COMPANY NAME/SITE LOCATION RIO BLANCO OIL SHALE-#1 NEAR RANGELY, CO
RIO BLANCO COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.

DATE OF PERMIT ISSUANCE-- 12/20/81

PERMIT NO.

ESTIMATED DATE OF START-UP--

DETERMINATION MADE BY

EPA REGION VIII
(AGENCY)JOHN DALE
(AGENCY CONTACT PERSON)(303)-837-3763
(PHONE)

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

2 BOILERS	198.00 MMBTU/H				
HEATER	5.00 MMBTU/H	NOX	39.6000 LB/H		BACT
LURGI RETORT	2000.00 BBL/D OIL S*	NOX	1.0000 LB/H		BACT
		NOX	127.0000 LB/H		BACT
		SO2	18.0000 LB/H		BACT
			RETENTION		
		PM	39.8000 LB/H		BACT
			ESP		99.80
ORE CONV-STKPILE	4400.00 T/D SHALE	PM	0.4000 LB/H		BACT
			BAGHOUSE		99.00
ORE TRANSFER	4400.00 T/D SHALE	PM	0.4000 LB/H		BACT
			BAGHOUSE		99.00
ORE LOADOUT	4400.00 T/D SHALE	PM	0.0800 LB/H		BACT
			BAGHOUSE		99.00

(CONTINUED) RIO BLANCO OIL SHALE-#1

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
PRIM. CRUSH/SCR	4400.00 T/D SHALE	PM	0.2400 LB/H BAGHOUSE	BACT 99.00
PROC SHALE TRANS.,FEED	4400.00 T/D SHALE	PM	0.4000 LB/H BAGHOUSE	BACT 99.00
PROC SHALE TPANS. DISP	4400.00 T/D SHALE	PM	0.4000 LB/H BAGHOUSE	BACT 99.00
SEC. CRUSH/SCR	4400.00 T/D SHALE	PM	0.3200 LB/H BAGHOUSE	BACT 99.00
PROD. GAS INC/SCRUB	70.00 MMBTU/H	SO2	9.7000 LB/H SCRUBBER	BACT 80.00
		NOX	24.0000 LB/H	

NOTES -----
THREE YEAR OPERATION PLANNED.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

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ID NUMBER CO-0013

SOURCE TYPE CODE 5.14

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

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SOURCE TYPE/SIZE---	CRUDE OIL/NAT. GAS PRODUCTION (INCL. OIL SHALE)	50.00 MMBTU/H

COMPANY NAME/SITE LOCATION	TEXAS TAR SANDS, LTD	LAPRYOR, TX
		MAVERICK COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.		DATE OF PERMIT ISSUANCE-- 06/24/82
PERMIT NO. 9075		ESTIMATED DATE OF START-UP-- 1982
DETERMINATION MADE BY	TEXAS ACB	JAMES CROCKER
	(AGENCY)	(AGENCY CONTACT PERSON)
		(512)-451-5711
		(PHONE)

=====

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

STEAM GENERATOR	50.00 MMBTU/H	PM	0.0940 LB/MMBTU	
			FABRIC FILTER	99.30
		SO2	1.2000 LB/MMBTU	
			LIMESTONE INJECTION	78.00
COAL & LIMESTONE STORAGE/HANDLI*		PM	1.3000 LB/H	
			DUST CONTROL SYSTEM	

NOTES -----

THIS IS A COAL FIRED SYSTEM. EMISSIONLIMITS ARE BACT, DETERMINED BY TECHNOLOGY & ECONOMICS.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

SOURCE TYPE/SIZE--- CRUDE OIL/NAT. GAS PRODUCTION (INCL. OIL SHALE) 45.00 MMBL/D

COMPANY NAME/SITE LOCATION TOSCO OIL SHALE-1981 NEAR BONANZA, UT UTAH COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE. DATE OF PERMIT ISSUANCE-- 12/09/81
 PERMIT NO. ESTIMATED DATE OF START-UP--
 DETERMINATION MADE BY EPA REGION VIII JOHN DALE (303)-837-3763
 (AGENCY) (AGENCY CONTACT PERSON) (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
2 AUX BOILERS		CO	2.9000 LB/H	BACT
		NOX	18.0000 LB/H	BACT
			DESIGN	
		PM	3.2000 LB/H	BACT
		SO2	8.0000 LB/H	BACT
			LOW S COAL	
FEED HEATER		CO	1.1000 LB/H	BACT
		NOX	7.0000 LB/H	BACT
		PM	1.2000 LB/H	BACT
		SO2	3.1000 LB/H	BACT
MINE VENTS		PM	10.6000 LB/H	BACT
			14.9000 LB/H	
			SETTLING	
OIL REBOILER		CO	1.5000 LB/H	BACT
		NOX	9.1000 LB/H	BACT
		PM	1.6000 LB/H	BACT
		SO2	4.0000 LB/H	BACT
			LOW S FUEL	

(CONTINUED) TOSCO OIL SHALE-1981

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
ORE STORAGE		PM	4.7000 LB/H BAGHOUSE	BACT 99.70
RECL TUNNEL		PM	6.2000 LB/H BAGHOUSE	BACT 99.70
SEC CRUSHER		PM	36.6000 LB/H BAGHOUSE	BACT 99.70
SPENT SHALE STOR	45.00 MMBL/D	PM	7.9000 LB/H WATER	BACT 50.00
2 SO2 REC.PLANTS		SO2	92.2000 LB/H CLAUS &TAILGAS	BACT 99.60
4 REFORM FURN		CO	10.8000 LB/H	BACT
		NOX	90.3000 LB/H	BACT
		PM	12.0000 LB/H	BACT
		SO2	30.1000 LB/H LCH S FUEL	BACT
6 ELUTRIATORS		NOX	15.8000 LB/H	BACT
		PM	42.0000 LB/H SCRUBBER	BACT 99.99
6 PROCESS SHALE WET		SO2	5.3000 LB/H	BACT
		PM	43.2000 LB/H SCRUBBER	BACT 98.40

(CONTINUED) TOSCO OIL SHALE-1981

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
6 PREHEAT STK		VOC	303.0000 LB/H INCINERATOR	BACT 85.00
		NOX	1588.2000 LB/H	BACT
		PM	90.0000 LB/H SCRUBBER	BACT 99.99
		SO2	62.5000 LB/H ABSORPTION	BACT 95.00

NOTES -----

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

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REVIEW STATUS: 04/01/1983

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ID NUMBER UT-0020

SOURCE TYPE CODE 5.14

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

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=====
SOURCE TYPE/SIZE---      CRUDE OIL/NAT. GAS PRODUCTION (INCL. OIL SHALE)      10.00 MBBL/D
-----
COMPANY NAME/SITE LOCATION  UNION OIL SHALE #1                      NEAR PARACHUTE, CO                      GARFIELD COUNTY
-----
DETERMINATION IS PERMIT NO.
DETERMINATION MADE BY      EPA REGION VIII      JOHN DALE      DATE OF PERMIT ISSUANCE-- 05/27/81
                           (AGENCY)              (AGENCY CONTACT PERSON)  ESTIMATED DATE OF START-UP--
                                           (PHONE)              (303)-837-3763
=====

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=====
PROCESSES SUBJECT TO THIS PERMIT      THROUGHPUT CAPACITY      POLLUTANT EMITTED      EMISSION LIMITS      ... & BASIS
                                  CONTROL EQUIPMENT OR PROCESS MODIFICATION      ... PCT EFF
-----
H2 CHG HTR      24.00 MMSCFD      NOX      2.8000 LB/H DESIGN      BACT
DEARSENITER PURGE HTR      NOX      1.8000 LB/H DESIGN      BACT
DEARSENITER CHARGE HTR      NOX      2.3000 LB/H DESIGN      BACT
FRACT CHG HTR      NOX      2.5000 LB/H DESIGN      BACT
REFORMER FURN      NOX      53.1000 LB/H DESIGN      BACT
STEAM BOILER      NOX      12.0000 LB/H DESIGN      BACT
                                           99.90
=====

```

(CONTINUED) UNION OIL SHALE #1

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMIITED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
SULFUR REC.UNIT	12.00 T/D	SO2	300.0000 PPM 1.9000 LB/H CLAUS&TAIL GAS	BACT 99.90

NOTES -----

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

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ID NUMBER CO-0014

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

SOURCE TYPE CCDE 5.14

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

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=====
SOURCE TYPE/SIZE---      CRUDE OIL/NAT. GAS PRODUCTION (INCL. OIL SHALE)      106000.00 BPSD
-----
COMPANY NAME/SITE LOCATION  WHITE RIVER SHALE OIL CORP.                      BONANZA, UT
-----
                                UINTAH COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. MAJ 053082-IT
DETERMINATION MADE BY      UTAH BAQ                      CARL BROADHEAD
                                (AGENCY)                   (AGENCY CONTACT PERSON)
                                DATE OF PERMIT ISSUANCE-- 08/04/82
                                ESTIMATED DATE OF START-UP-- 1988
                                (801)-533-6108
                                (PHONE)
=====
  
```

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
IN-MINE PRIMARY CRUSHING	89000.00 TPSD	PM	WET SUPPRESSION	80.00
CRUSHING & SCREENS	176000.00 TPSD	PM	0.0200 GR/DSCF BAGHOUSE	99.70
MINE CONVEYOR SURGE BIN	176000.00 TPSD	PM	0.0130 GR/DSCF BAGHOUSE	99.70
MINE CONVEYOR TRANSFER POINTS	176000.00 TPSD	PM	0.0130 GR/DSCF BAGHOUSE	99.70
FEED TO STORAGE SILOS	176000.00 TPSD	PM	0.0130 GR/DSCF BAGHOUSE	99.70
SURFACE CRUSHING & SCREENS	176000.00 TPSD	PM	0.0130 GR/DSCF BAGHOUSE	99.70

(CONTINUED) WHITE RIVER SHALE OIL CORP.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
FINES CONVEYOR, POINTS TRANSFER	900.00 TPSD	VE	20.0000 % OPACITY	
CONVEYORS			WET SUPPRESSION	80.00
UNION RETORT SILO FEED	46400.00 TPSD	PM	0.0130 GR/DSCF	
			FULLY COVERED	90.00
SUPERIOR RETORT SILO FEED	112000.00 TPSD	PM	0.0130 GR/DSCF	
			BAGHOUSE	99.70
TOSCO RETORT SILO FEED	18500.00 TPSD	PM	0.0130 GR/DSCF	
			BAGHOUSE	99.70
UNION PROCESSED CONVEYOR SHALE	39550.00 TPSD	PM	0.0130 GR/DSCF	
			BAGHOUSE	99.70
SUPERIOR PROCESSED CONVEYOR SHA*	84000.00 TPSD	VE	20.0000 % OPACITY	
			FULLY COVERED CONVEYORS	99.00
			20% MOISTURE	
MAIN ACCESS ROADS		VE	20.0000 % OPACITY	
			FULLY COVERED CONVEYORS	99.00
			20% MOISTURE	
		PM	PAVE	
2ND LIGHT DUTY ROADS			PAVING	95.00
		PM	MINIMIZE	
			CHEMICAL SUPPRESSION	75.00

(CONTINUED) WHITE RIVER SHALE OIL CORP.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED.	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
TOSCO PROCESSED CONVEYOR SHALE	15000.00 TPSD	PM	MINIMIZE 20% MOISTURE COVERED CONVEYORS	99.00
PROCESSED SHALE CONVEYOR TRANSF*	149500.00 TPSD	VE	20.0000 % OPACITY 15 % MOISTURE ENCLOSED	99.00
PROCESSED SHALE DISPOSAL	149500.00 TPSD	PM	MINIMIZE CHEM. DUST SUPPRES. COMPACT., REVEG.	85.00
LOAD IN	149500.00 TPSD	VE	20.0000 % MINIMIZE 15% WATER	80.00
GROOMING	112.00 SCRAPER H/D	VE	20.0000 % OPACITY WATERING	50.00
WIND EROSION	30.00 ACRE	PM	MINIMIZE COMPACT. REVEG. & CHEM. DUST SUPPRES.	85.00
LOAD IN, RAW SHALE STOCKPILE	5000.00 TPSD	PM	MINIMIZE LOCHERING WELL	75.00
LIVE STORAGE WIND EROSION, RAW *	175000.00 T	PM	MINIMIZE WATER SPRAYS	50.00
GROOMING, RAW SHALE STOCKPILE	5000.00 TPSD	PM	MINIMIZE WATER SPRAYS	50.00
DEAD STORAGE WIND EROSION, RAW *	2.80 MMT			

(CONTINUED) WHITE RIVER SHALE OIL CORP.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
PHASE III-UNION B RECYCLE GAS H*	960.00 MMBTU/H	PM	0.0210 LB/MMBTU 5.0000 LB/H STACK	
		SO2	0.0230 LB/MMBTU 5.5000 LB/H STACK	
		NOX	TREATED GAS & UPGRADED SHALE OIL 0.0220 LB/MMBTU 53.1000 LB/H STACK LOW NOX BURNERS	
PHASE III - HYDRO TREATER REACT*	150.00 MMBTU/H	PM	0.0200 LB/MMBTU 2.6000 LB/H STACK	
		SO2	0.1600 LB/MMBTU 10.0000 LB/H STACK	
		NOX	CLEANED & TREATED HIGH BTU FUEL GAS 0.2600 LB/MMBTU 39.0000 LB/H STACK	
TOSCO PREHEAT & BALL HEATERS	479.00 MMBTU/H	PM	0.0240 GR/DSCF 22.5000 LB/H STACK VENTURI SCRUBBER	99.50
		SO2	0.0020 GR/DSCF 0.5000 LB/H STACK TREATED FUELS	50.00
		NOX	0.2200 GR/DSCF 51.9000 LB/H STACK LOW-NOX BURNERS	
BOILER & POWER PLANTS (3 STK)	2438.00 MMBTU/H	PM	0.0300 LB/MMBTU 73.2000 LB/H	
		SO2	0.0700 LB/MMBTU 166.9000 LB/H FGD	80.00
		NOX	CLEANED & TREATED FUEL GAS, UPGRADED SHALE OIL 0.2000 LB/MMBTU 487.5000 LB/H	

(CONTINUED) WHITE RIVER SHALE OIL CORP.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
H2 PLANT REFORMER FURNACE	2058.00 MMBTU/H	PM	0.2000 LB/MMBTU	
			25.8000 LB/H	
		SO2	0.0070 LB/MMBTU	
			9.0000 LB/H	
		NOX	0.2100 LB/MMBTU	
			267.8000 LB/H	
			CLEANED, TREATED & UPGRADED FUELS	
			LOW-NOX BURNERS	25.00
NAPHTHA & CRUDE STORAGE TANKS			FLOATING ROOF TANKS W/DBL SEALS	
GAS TREATMENT PLANT, 3 UNITS	28.00 MMBTU	SO2	250.0000 PPMV AT 0% O2	
		PM		
		NOX	TREATED HIGH BTU FUEL GAS	
FUEL GAS TREATED HIGH BTU		H2S	0.1000 GR/DSCF	
		T.S*	0.4900 GR/DSCF	
		NH3	10.0000 PPMV	
FUEL GAS TREATED LOW BTU		S	75.0000 PPMV	
		NH3	10.0000 PPMV	

NOTES -----

THE FEASIBILITY APPROVAL ORDER IS BASED ON BACT AS OF 1982. THIS IS A PHASE CONSTRUCTION PROJECT. EACH UNIT OF EACH PHASE WILL BE PERMITTED BASED ON THE "THEN CURRENT" BACT. TPSD = TON PER STREAM DAY
DIESEL FUEL SULFUR LIMIT - 0.20% BY WT. FUEL OIL - S = 20 PPMV , NH3 = 1500 PPMV.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

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=====
SOURCE TYPE/SIZE---      OIL AND GAS FIELD SERVICE                100000.00 LB/D
-----
COMPANY NAME/SITE LOCATION  ORLGMUD CO.                                , TX
-----
                                           FORT BEND COUNTY
-----
DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. X-3973
DETERMINATION MADE BY      TEXAS ACB
                           (AGENCY)
                           ROBERT MAUEL
                           (AGENCY CONTACT PERSON)
                           DATE OF PERMIT ISSUANCE-- 12/22/81
                           ESTIMATED DATE OF START-UP-- 1982
                           (512)-451-5711
                           (PHONE)
=====
  
```

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
SILO & LOADING	100000.00 LB/D	BAR*	0.1000 LB/H SHOP MADE FABRIC FILTER	99.10
VENT HOUSE TRAFFIC		PM	0.9000 LB/H	

NOTES -----

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

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ID NUMBER TX-0116

SOURCE TYPE CODE 5.15

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

SOURCE TYPE/SIZE--- OIL AND GAS FIELD SERVICE 306.00 MMGAL/YR

COMPANY NAME/SITE LOCATION SIGMOR PIPELINE CO. SAN ANTONIO, TX BEXAR COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE. DATE OF PERMIT ISSUANCE-- 04/27/78
 PERMIT NO. 6348 ESTIMATED DATE OF START-UP-- 1979
 DETERMINATION MADE BY TEXAS ACB SAM CROWTHER (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
GASOLINE LOADING 3 RACKS (12 SP*	306.00 MMGAL/YR	VOC	23.6000 T/YR 0.1250 LB/MGAL VOC CARBON ADSORPTION	AP42 97.50
DIESEL/KERO LOADING	153.00 MMGAL/YR	VOC	14.1000 T/YR BOTTOM LOADING (SEE NOTE)	AP42 0.00
STORAGE TANKS (7)	217.00 MGAL	VOC	25.0000 T/YR INT. FLOAT COVERS, WHITE TANKS	AP42 97.00
FUGITIVE VOC		VOC	12.0000 T/YR NONE	0.00

NOTES -----
 CARBON ADSORPTION UNIT PURCHASE PRICE =\$240,000 NOTE - BOTTOM LOADING IS CONSIDERED UNCONTROLLED, FUGITIVE VOC ESTIMATED ONLY

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
 REVIEW STATUS: 04/01/1983

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

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=====
SOURCE TYPE/SIZE---      OIL AND GAS FIELD SERVICE                2000.00 HP EA,NAT. GAS, 3
-----
COMPANY NAME/SITE LOCATION  UNITED GAS PIPE LINE CO.                CARTHAGE, TX
-----
                                           PANOLA COUNTY
-----
DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. XI480
DETERMINATION MADE BY      TEXAS ACB                JIM CARAWAY
                           (AGENCY)                (AGENCY CONTACT PERSON)
                                           DATE OF PERMIT ISSUANCE-- 05/07/80
                                           ESTIMATED DATE OF START-UP-- 1981
                                           (512)-451-5711
                                           (PHONE)
=====
  
```

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
SUPERIOR COMPRESSOR ENGINE	2000.00 HP	NOX	4.2000 G/BHP-H TURBOCHARGED	

NOTES -----

SUPERIOR TURBOCHARGED "CLEAN BURN" 2000 IP ENGINE, MODEL 12 S6TA, SN 281319. ENGINE SAMPLED BY EPA --APPROVED METHOD 20 ON 3-2 5-82. NOX EMISS. BASED ON TEST RESULTS WERE .782 G/BHP-HR

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

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ID NUMBER TX-0084

SOURCE TYPE CODE 5.15

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

SOURCE TYPE/SIZE--- PETROLEUM INDUSTRY -- OTHER

COMPANY NAME/SITE LOCATION BEAR CREEK STORAGE

BIENVILLE, LA

BIENVILLE PARISH

DETERMINATION IS BACT FOR A NEW SOURCE.

PERMIT NO. PSD-LA-85

DETERMINATION MADE BY

EPA REGION VI
(AGENCY)TOM DIGGS
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 09/22/79

ESTIMATED DATE OF START-UP--

(214)-767-1594

(PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
I.C. COMPRESSOR, 4	7000.00 HP EA	NOX	11.7000 G/HP-H AIR/FUEL RATIO	BACT
		CO	1.4000 G/HP-H AIR/FUEL RATIO	BACT
GAS HEATERS, 3	UNKNOWN	NOX	2.1000 LB/H AIR/FUEL RATIO	BACT
REGENERATOR HEATERS, 3	UNKNOWN	NOX	0.4000 LB/H AIR/FUEL RATIO	BACT

NOTES -----

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

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ID NUMBER LA-0023

SOURCE TYPE CODE 5.16

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

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=====
SOURCE TYPE/SIZE---      PETROLEUM INDUSTRY -- OTHER      525600.00 MMGAL/YR
-----
COMPANY NAME/SITE LOCATION CHEVRON USA, INC.              , UT              DAVIS COUNTY
-----
DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO.
DETERMINATION MADE BY    UTAH BAQ              DONALD ROBINSON              DATE OF PERMIT ISSUANCE-- 07/08/82
                        (AGENCY)              (AGENCY CONTACT PERSON)    ESTIMATED DATE OF START-UP-- 1983
                                                (801)-533-6108
                                                (PHONE)
=====
  
```

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
SEPARATOR	525.60 MMGAL/YR	VOC	STEEL COVER-TOTAL	95.00

NOTES -----
AIR TIGHT STEEL COVER PLATES OVER THE ENTIRE SEPARATOR.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983 02/13/1984

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

SOURCE TYPE/SIZE--- PETROLEUM INDUSTRY -- OTHER

COMPANY NAME/SITE LOCATION COLORADO INTERSTATE GAS
P.O. BOX 1087

COLORADO SPRINGS, OK 80944

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. (REGION FILE NO.) PSD-OK-358
DETERMINATION MADE BY EPA REGION VI
(AGENCY)JOE WINKLER
(AGENCY CONTACT PERSON)DATE OF PERMIT ISSUANCE-- 02/26/81
ESTIMATED DATE OF START-UP--
(214)-767-1594
(PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
COMPRESSOR ENGINE	2700.00 HP	NOX	0.0010 G/HP-H TURBOCHARGED CLEAN BURN	BACT
		CO	0.0010 G/HP-H EFFICIENT COMBUSTION	BACT
		SO2	0.0010 G/HP-H EFFICIENT OPERATION	BACT
		VOC	0.0010 G/HP-H EFFICIENT COMBUSTION	BACT
		PM	EFFICIENT COMBUSTION	BACT
EMERGENCY GEN.	370.00 HP	NOX	10.9000 G/HP-H NORMAL OPERATION	BACT
		CO	1.4000 G/HP-H NORMAL OPERATION	BACT
		SO2	0.0010 G/HP-H NORMAL OPERATION	BACT
		VOC	0.8400 G/HP-H NORMAL OPERATION	BACT
		PM	NORMAL OPERATION	BACT

(CONTINUED) COLORADO INTERSTATE GAS

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BOILER	2.60 MMBTU/H	NOX	0.3200 LB/H NORMAL OPERATION	BACT
		CO	0.0500 LB/H NORMAL OPERATION	BACT
		SO2	0.0020 LB/H NORMAL OPERATION	BACT
		VOC	NORMAL OPERATION	BACT
		PM	0.0130 LB/H NORMAL OPERATION	BACT

NOTES -----

OPERATED ONLY DURING POWER OUTAGES. BOILER OPERATED ONLY DURING COLD WEATHER.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

SOURCE TYPE/SIZE--- PETROLEUM INDUSTRY -- OTHER

COMPANY NAME/SITE LOCATION HOUSTON PIPE LINE CO.
HOUSTON NAT. GAS BLDG 14TH FL.

HOUSTON, TX 77001

DETERMINATION IS BACT FOR A MODIFIED SOURCE.

PERMIT NO. TX-313

DETERMINATION MADE BY

EPA REGION VI
(AGENCY)JOHN BUNYAK
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 04/30/81

ESTIMATED DATE OF START-UP--

(214)-767-1594
(PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
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I.C. ENGINES, 4 TURBO.

2400.00 HP EA

NOX

60.8000 LB/H

BACT

11.5000 G/HP-H

AIR/FUEL RATIO CONTROL

DEHYDRATORS, 2

1.25 MMBTU/H EA

NOX

0.1500 LB/H

BACT

0.1200 LB/MMBTU

COMBUST. CONTRL, EFF. DESIGN

NOTES -----

EACH OF THE I.C. ENGINES WERE LIMITED TO 0.65 G/HP-H FOR CO, HOWEVER, POLLUTANT WAS NOT REVIEWED UNDER PSD.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

SOURCE TYPE/SIZE--- PETROLEUM INDUSTRY -- OTHER

COMPANY NAME/SITE LOCATION OASIS PIPELINE CO.
1200 TRAVIS, BOX 1188

HOUSTON, TX 77001

DETERMINATION IS BACT FOR A MODIFIED SOURCE.

PERMIT NO.

DETERMINATION MADE BY

EPA REGION VI
(AGENCY)

JOHN BUNYAK
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 10/06/80

ESTIMATED DATE OF START-UP--

(214)-767-1594
(PHONE)

PROCESSES SUBJECT
TO THIS PERMIT

THROUGHPUT
CAPACITY

POLLUTANT
EMITTED

EMISSION LIMITS

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

COMPRESSOR ENGINE

1350.00 HP EA

NOX

6.8600 G/HP-H

BACT

LOW EX. AIR -- AIR/FUEL RATIO

37.00

VOC

0.7000 G/HP-H

BACT

EFFICIENT COMBUSTION

CO

1.4000 G/HP-H

BACT

EFFICIENT COMBUSTION

NOTES -----

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

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ID NUMBER IX-0038

SOURCE TYPE CODE 5.16

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

SOURCE TYPE/SIZE--- PETROLEUM INDUSTRY -- OTHER

COMPANY NAME/SITE LOCATION ODESSA NATURAL CORP.

CISCO, TX

EASTLAND COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.

PERMIT NO. (REGION FILE NO.) PSD-TX-368

DETERMINATION MADE BY EPA REGION VI
(AGENCY)BILL TAYLOR
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 03/02/81

ESTIMATED DATE OF START-UP--

(214)-767-1594
(PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
TURBINE	7660.00 HP	NOX	1.3000 G/HP-H AIR/FUEL RATIO	BACT
		CO	0.5000 G/HP-H AIR/FUEL RATIO	BACT
I. C. ENGINES, 2 EA	1560.00 HP	NOX	6.5000 G/HP-H AIR/FUEL RATIO	BACT
		CO	2.2000 G/HP-H AIR/FUEL RATIO	BACT

NOTES -----

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

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ID NUMBER TX-0028

SOURCE TYPE CODE 5.16

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

SOURCE TYPE/SIZE--- PETROLEUM INDUSTRY -- OTHER

COMPANY NAME/SITE LOCATION PANHANDLE EAST. PIPELINE

ALVA, OK

WOODS COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.

PERMIT NO. (REGION FILE NO.) PSD-OK-330

DETERMINATION MADE BY EPA REGION VI
(AGENCY)

BILL TAYLOR
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 05/29/81
ESTIMATED DATE OF START-UP--
(214)-767-1594
(PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
I.C. ENGINE, 3 EA	4500.00 HP	NOX	6.0000 G/HP-H AIR/FUEL RATIO	BACT
		CO	4.8000 G/HP-H AIR/FUEL RATIO	BACT
I.C. ENGINE	631.00 HP	NOX	11.5000 G/HP-H AIR/FUEL RATIO	BACT
		CO	5.5000 G/HP-H AIR/FUEL RATIO	BACT

NOTES -----

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

PAGE G- 559

ID NUMBER OK-0008

SOURCE TYPE CODE 5.16

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

SOURCE TYPE/SIZE--- PETROLEUM INDUSTRY -- OTHER

COMPANY NAME/SITE LOCATION PANHANDLE EAST. PIPELINE CASHION, OK KINGFISHER COUNTY
CASHION STATION

DETERMINATION IS BACT FOR A MODIFIED SOURCE. DATE OF PERMIT ISSUANCE-- 05/08/81
PERMIT NO. (REGION FILE NO.) PSD-OK-329 ESTIMATED DATE OF START-UP--
DETERMINATION MADE BY EPA REGION VI JOHN BUNYAK (214)-767-1594
(AGENCY) (AGENCY CONTACT PERSON) (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
I. C. ENGINE, 2 EA	4500.00 HP	NOX	9.0000 G/HP-H AIR/FUEL RATIO	BACT
		CO	9.0000 G/HP-H AIR/FUEL RATIO	BACT

NOTES -----

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

SOURCE TYPE/SIZE--- PETROLEUM INDUSTRY -- OTHER

COMPANY NAME/SITE LOCATION PANHANDLE EAST. PIPELINE , TX 64141

DETERMINATION IS BACT FOR A MODIFIED SOURCE.

PERMIT NO. (REGION FILE NO.) PSD-TX-321

DETERMINATION MADE BY EPA REGION VI
(AGENCY)JOHN BUNYAK
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 02/11/81

ESTIMATED DATE OF START-UP--

(214)-767-1594

(PHONE)

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

771.00 HP

NOX	11.5000 G/HP-H		AIR/FUEL RATIO	BACT
VOC	1.7000 LB/H		EFFICIENT COMBUSTION	BACT
CO	5.7000 G/HP-H		EFFICIENT COMBUSTION	BACT
NH3	0.0090 LB/H		EFFICIENT COMBUSTION	BACT

NOTES -----

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

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ID NUMBER TX-0042

SOURCE TYPE CODE 5.16

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

SOURCE TYPE/SIZE---

PETROLEUM INDUSTRY -- OTHER

COMPANY NAME/SITE LOCATION

PANHANDLE EAST. PIPELINE
6 KM SW GARNER OIL FD.

, TX 64141

CARSON COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.

PERMIT NO. (REGION FILE NO.) PSD-TX-320

DETERMINATION MADE BY

EPA REGION VI
(AGENCY)

JOHN BUNYAK
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 02/11/81

ESTIMATED DATE OF START-UP--

(214)-767-1594

(PHONE)

PROCESSES SUBJECT
TO THIS PERMIT

THROUGHPUT
CAPACITY

POLLUTANT
EMITTED

EMISSION LIMITS

CONTROL EQUIPMENT OR PROCESS MODIFICATION

... & BASIS

... PCT EFF

COMPRESSOR ENGINE

771.00 HP EA

NOX

11.5000 G/HP-H

BACT

VOC

13.5000 LB/H

BACT

CO

5.7000 G/HP-H

BACT

NH3

0.6800 LB/H

BACT

EFFICIENT COMBUSTION

NOTES -----

AIR/FUEL RATIO WITH A RESULTANT 2% FUEL SACRIFICE

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

PAGE G- 562

ID NUMBER TX-0044

SOURCE TYPE CODE 5.16

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

SOURCE TYPE/SIZE--- PETROLEUM INDUSTRY -- OTHER

COMPANY NAME/SITE LOCATION PANHANDLE EAST. PIPELINE

AMARILLO, TX

CARSON COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.

PERMIT NO. PSD-TX-322

DETERMINATION MADE BY

EPA REGION VI
(AGENCY)

TOM DIGGS
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 02/11/81

ESTIMATED DATE OF START-UP--

(214)-767-1594

(PHONE)

PROCESSES SUBJECT
TO THIS PERMIT

THROUGHPUT
CAPACITY

POLLUTANT
EMITTED

EMISSION LIMITS

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

I.C. ENGINES, 3

771.00 BRAKE HP EA

NOX

11.5000 G/HP-H

BACT

AIR/FUEL RATIO

CO

5.7000 G/HP-H

BACT

AIR/FUEL RATIO

NOTES -----

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP

REVIEW STATUS: 04/01/1983

PAGE G- 563

ID NUMBER TX-2043

SOURCE TYPE CODE 5.16

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

SOURCE TYPE/SIZE--- PETROLEUM INDUSTRY -- OTHER

COMPANY NAME/SITE LOCATION PETRO-LEWIS CORP. , CA

DETERMINATION IS LAER FOR A NEW SOURCE.

PERMIT NO. 4052033-037

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

DATE OF PERMIT ISSUANCE-- 02/23/84

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
GENERATOR, STEAM, 5 EA	62.50 MMBTU/H	PM	0.0340 LB/MMBTU 50.6600 LB/D WET SCRUBBER	61.00
		SOX	0.0230 LB/MMBTU 34.8100 LB/D VENTURI SCRUBBER	30.00
		NOX	0.1200 LB/MMBTU 181.3000 LB/D STAGED COMBUSTION	70.00

NOTES -----

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW POST STARTUP

PAGE G- 564

ID NUMBER CA-0058

SOURCE TYPE CODE 5.16

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

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SOURCE TYPE/SIZE---

PETROLEUM INDUSTRY -- OTHER

COMPANY NAME/SITE LOCATION

REFINERY WASTE GAS RECOVERY

, CA

KERN COUNTY

DETERMINATION IS

PERMIT NO. SEE NOTE

DETERMINATION MADE BY

KERN COUNTY APCD
(AGENCY)TOM PAXSON
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 03/19/84

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

VAPOR COMPRESSOR, VALVES, & FLA* 720000.00 SCF/D

VOC

28.9000 LB/D

I & M TO MINIMIZE FUG. EMIS.

65.00

NOTES -----

NOTE -- PERMITS NUMBERS 2018008A, 2018012B, 2018046A, 2018062. SOURCE WILL OPERATE 24 H/D, 7 D/WEEK, 52 WEEK/YR.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS:

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ID NUMBER CA-0065

SOURCE TYPE CODE 5.16

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

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SOURCE TYPE/SIZE---	PETROLEUM INDUSTRY -- OTHER	8200.00 BBL/D
---------------------	-----------------------------	---------------

COMPANY NAME/SITE LOCATION	SHELL OIL CO.	, MS 70161	PIKE COUNTY
----------------------------	---------------	------------	-------------

DETERMINATION IS BACT FOR A MODIFIED SOURCE.			DATE OF PERMIT ISSUANCE-- 09/17/80
PERMIT NO. MS 025			ESTIMATED DATE OF START-UP--
DETERMINATION MADE BY	MISSISSIPPI DNR	DWIGHT WILEY	(601)-354-2550
	(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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CO2 INJECTION	8200.00 BBL/D	NOX	BEST OPERATING PRACTICE	BACT
---------------	---------------	-----	-------------------------	------

NOTES -----

8 COMPRESSOR UNITS -- 2 AT 102.5 HP, 3 AT 205 HP, 2 AT 1460 HP, AND 1 AT 1100 HP (STANDBY). ONE EMERGENCY UNIT.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW	POST STARTUP
REVIEW STATUS:	04/01/1983

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ID NUMBER MS-0002

SOURCE TYPE CODE 5.16

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

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SOURCE TYPE/SIZE---

PETROLEUM INDUSTRY -- OTHER

COMPANY NAME/SITE LOCATION

SOUTHERN NAT. GAS
BIENVILLE

BIENVILLE, LA

BIENVILLE PARISH

DETERMINATION IS BACT FOR A MODIFIED SOURCE.

PERMIT NO. (REGION FILE NO.) PSD-LA-406

DETERMINATION MADE BY EPA REGION VI

(AGENCY)

BILL TAYLOR
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 09/11/81

ESTIMATED DATE OF START-UP--

(214)-767-1594

(PHONE)

PROCESSES SUBJECT
TO THIS PERMITTHROUGHPUT
CAPACITYPOLLUTANT
EMITTED

EMISSION LIMITS

CONTROL EQUIPMENT OR PROCESS MODIFICATION ... & BASIS

... PCT EFF

I.C. ENGINES, 2 EA

448.00 BRAKE HP

NOX

11.0000 G/HP-H
AIR/FUEL RATIO

BACT

NOTES -----

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

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INITIAL REVIEW POST STARTUP

REVIEW STATUS: 04/01/1983

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ID NUMBER LA-0009

SOURCE TYPE CODE 5.16

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

SOURCE TYPE/SIZE--- PETROLEUM INDUSTRY -- OTHER

COMPANY NAME/SITE LOCATION SOUTHERN NAT. GAS

FRANKLINTON, LA

WASHINGTON PARISH

DETERMINATION IS BACT FOR A MODIFIED SOURCE.

PERMIT NO. (REGION FILE NO.) PSD-LA-267

DETERMINATION MADE BY EPA REGION VI
(AGENCY)JOHN BUNYAK
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 07/17/80

ESTIMATED DATE OF START-UP--

(214)-767-1594
(PHONE)PROCESSES SUBJECT
TO THIS PERMITTHROUGHPUT
CAPACITYPOLLUTANT
EMITTED

EMISSION LIMITS

CONTROL EQUIPMENT OR PROCESS MODIFICATION

... & BASIS

... PCT EFF

I.C. ENGINE

5000.00 HP

NOX
CO

182.0000 LB/H

4.0000 LB/H

AIR/FUEL RATIO

BACT
BACT

NOTES -----

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

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ID NUMBER LA-0021

SOURCE TYPE CODE 5.16

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

SOURCE TYPE/SIZE--- PETROLEUM INDUSTRY -- OTHER

COMPANY NAME/SITE LOCATION SUN GAS CO. DALLAS, TX
THREE NORTH PARK EAST ST.

DETERMINATION IS BACT FOR A MODIFIED SOURCE.

PERMIT NO. (REGION FILE NO.) PSD-TX-R72

DETERMINATION MADE BY EPA REGION VI
(AGENCY)JOHN BUNYAK
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 02/26/81

ESTIMATED DATE OF START-UP--

(214)-767-1594

(PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
COMPRESSOR ENGINE, 2	1200.00 HP	NOX	9.1000 G/HP-H	BACT
		CO	1.2000 G/HP-H	BACT
COMPRESSOR	600.00 HP	NOX	9.1000 G/HP-H	BACT
		CO	1.2000 G/HP-H	BACT

NOTES -----

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP

REVIEW STATUS: 04/01/1983

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ID NUMBER TX-0026

SOURCE TYPE CODE 5.16

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

SOURCE TYPE/SIZE--- PETROLEUM INDUSTRY -- OTHER

COMPANY NAME/SITE LOCATION TEXACO, INC.

EAST COTE BLANCHE BAY, LA

IBERIN PARISH

DETERMINATION IS BACT FOR A MODIFIED SOURCE.

PERMIT NO. (REGION FILE NO.) PSD-LA-382

DETERMINATION MADE BY EPA REGION VI
(AGENCY)JOHN BENHAM
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 07/30/81

ESTIMATED DATE OF START-UP--

(214)-767-1594
(PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
I.C. ENGINE 2	1560.00 BRAKE HP	NOX	10.0000 G/HP-H AIR/FUEL RATIO	BACT
I.C. ENGINE 1	40.00 BRAKE HP	CO	10.0000 G/HP-H AIR/FUEL RATIO	BACT

NOTES -----

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

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ID NUMBER LA-0012

SOURCE TYPE CODE 5.16

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

SOURCE TYPE/SIZE--- PETROLEUM INDUSTRY -- OTHER

COMPANY NAME/SITE LOCATION TEXACO, INC.
P.O. BOX 60252

NEW ORLEANS, LA 70160

DETERMINATION IS BACT FOR A MODIFIED SOURCE.

PERMIT NO. (REGION FILE NO.) PSD-LA-381

DETERMINATION MADE BY EPA REGION VI
(AGENCY)JOHN BUNYAK
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 07/27/81

ESTIMATED DATE OF START-UP--

(214)-767-1594
(PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
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I.C. COMPRESSOR ENGINE, TURBOCH* 1650.00 HP

NOX	6.5000 G/HP-H	BACT
	AIR/FUEL RATIO	
CO	1.3000 G/HP-H	BACT
	NORMAL OPERATION	

GEN. DRIVER, 2 EA 360.00 HP

NOX	10.0000 G/HP-H	BACT
	NORMAL OPERATION	
CO	10.0000 G/HP-H	BACT
	NORMAL OPERATION	

NOTES -----

ONE GENERATOR DRIVER IS A STANDARD UNIT. NATURAL GAS USED AS FUEL.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

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SOURCE TYPE/SIZE---	PETROLEUM INDUSTRY -- OTHER	6300.00 HP
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COMPANY NAME/SITE LOCATION	TEXACO, INC. 1501 CANAL ST., P.O. BOX 60252	NEW ORLEANS, LA
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DETERMINATION IS BACT FOR A MODIFIED SOURCE.		DATE OF PERMIT ISSUANCE-- 08/29/80
PERMIT NO. (REGION FILE NO.) PSD-LA-301		ESTIMATED DATE OF START-UP--
DETERMINATION MADE BY EPA REGION VI	JOHN BUNYAK	(214)-767-1594
(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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ENGINE, I.C., TURBOCHARGED	2650.00 HP	NOX	43.7000 LB/H 7.5000 G/HP-H IGN. TI. RETARD ENG. SPARK	BACT
TURBINE COMPRESSOR, GAS-FIRED	3300.00 HP	NOX	9.4000 LB/H 1.3000 G/HP-H	NSPS
I.C. ENGINE, NAT. ASPIRATED	350.00 HP	NOX	7.7000 LB/H 10.0000 G/HP-H AIR/FUEL RATIO CONTROL	BACT

NOTES -----

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

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PAGE G- 572	ID NUMBER LA-0033	INITIAL REVIEW POST STARTUP REVIEW STATUS: 04/01/1983	SOURCE TYPE CODE 5.16
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APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

SOURCE TYPE/SIZE--- PETROLEUM INDUSTRY -- OTHER

COMPANY NAME/SITE LOCATION TEXACO, INC. NEW ORLEANS, LA 70160
1501 CANAL ST

DETERMINATION IS BACT FOR A MODIFIED SOURCE.

PERMIT NO. (REGION FILE NO.) PSD-LA-300

DETERMINATION MADE BY EPA REGION VI
(AGENCY)JOHN BUNYAK
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 08/29/80

ESTIMATED DATE OF START-UP--

(214)-767-1594
(PHONE)PROCESSES SUBJECT THROUGHPUT POLLUTANT EMISSION LIMITS ... & BASIS
TO THIS PERMIT CAPACITY EMITTED CONTROL EQUIPMENT OR PROCESS MODIFICATION ... PCT EFF

I. C. ENGINE, TURBOCHARGED	2650.00 HP	NOX	7.5000 G/HP-H 43.7000 LB/H CON IGN TIM/RETARD ENGINE SPARK	BACT
I. C. ENGINE, TURBOCHARGED	2650.00 HP	NOX	7.5000 G/HP-H 43.7000 LB/H CON IGN TIM/RETARD ENGINE SPARK	BACT
TURBINE, GAS FIRED, COMPRESSION	3500.00 HP	NOX	1.8000 G/HP-H 14.2000 LB/H NONE	BACT
I. C. ENGINE, NAT. ASPIRATED	500.00 HP	NOX	10.0000 G/HP-H 11.0000 LB/H AIR/FUEL RATIO CONTROL	BACT

NOTES -----

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

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ID NUMBER LA-0040

SOURCE TYPE CODE 5.16

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

SOURCE TYPE/SIZE--- PETROLEUM INDUSTRY -- OTHER

COMPANY NAME/SITE LOCATION TRUNKLINE LNG CO.

LAKE CHARLES, LA

CALCASIEU PARISH

DETERMINATION IS BACT FOR A NEW SOURCE.

PERMIT NO. PSD-LA-97,M-1

DATE OF PERMIT ISSUANCE-- 04/25/83

ESTIMATED DATE OF START-UP--

DETERMINATION MADE BY

LAQD/EPA REGION VI
(AGENCY)BHARAT CONTRACTOR
(AGENCY CONTACT PERSON)(504)-342-8940
(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, 2	105.00 MMBTU/H	NOX	79.0000 LB/H CCMB. CONTRL, O2 & CO MONITOR	N/A
VAPORIZER, LNG, 7 EA	72.54 MMBTU/H	NOX	3.8600 LB/H COMBUSTION CONTROL	N/A
HEATER, FUEL GAS, 2 EA	3.50 MMBTU/H	NOX	0.6300 LB/H	N/A

NOTES -----

THE ORIGINAL PERMIT, PSD-LA-97, WAS ISSUED ON 02/09/79 BASED ON 75. PPM NOX EMISSION LIMITS UNDER NSPS. HOWEVER, THE NSPS AMME
NDED ON 01/27/82, SPECIFICALLY EXEMPTED THESE TURBINES FROM H2O INJECTION CONTROLS.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS:

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ID NUMBER LA-0047

SOURCE TYPE CODE 5.16

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

SOURCE TYPE/SIZE--- PETROLEUM INDUSTRY -- OTHER

COMPANY NAME/SITE LOCATION UNITED GAS PIPE LINE CO.
P.O. BOX 1478

HOUSTON, LA 77001

DETERMINATION IS BACT FOR A MODIFIED SOURCE.

PERMIT NO. (REGION FILE NO.) PSD-LA-230

DETERMINATION MADE BY EPA REGION VI
(AGENCY)JOHN BUNYAK
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 03/04/80

ESTIMATED DATE OF START-UP--

(214)-767-1594

(PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
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COMPRESSOR ENGINE, 3 EA

3500.00 HP

NOX

107.9000 LB/H EA

30.8000 LB/MHP-H

CON. AIR/FUEL RATIO, IGN. TIM.

BACT

NOTES -----

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
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SOURCE TYPE CODE 5.16

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

SOURCE TYPE/SIZE--- PETROLEUM INDUSTRY -- OTHER

COMPANY NAME/SITE LOCATION UNITED PIPE LINE CO.
P.O. BOX 1478

HOUSTON, TX 77001

DETERMINATION IS BACT FOR A MODIFIED SOURCE.

PERMIT NO. TX-211

DETERMINATION MADE BY

EPA REGION VI
(AGENCY)JOHN BUNYAK
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 03/04/80

ESTIMATED DATE OF START-UP--

(214)-767-1594
(PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
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COMPRESSOR ENGINE, 3

1000.00 HP EA

NOX

31.5000 LB/H

31.5000 LB/MHP-H

CNTRL AIR/FUEL RATIO, IGN TIM.

BACT

NOTES -----

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

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ID NUMBER TX-0070

SOURCE TYPE CODE 5.16