

***EPA 450-2-83-005C***

**BACT-LAER Clearinghouse**

**A Compilation Of Control Technology  
Determinations**

**Appendix G – Volume II**

**Source Type Codes 6.0–12.0**

U.S. Environmental Protection Agency  
Office of Research and Development  
Chicago, Illinois 60603

# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- ACRYLIC ACID PLANT

COMPANY NAME/SITE LOCATION BADISCHE CORP.

FREEPORT, TX

BRAZORIA COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.

PERMIT NO. (REGION FILE NO.) PSD-TX-284

DETERMINATION MADE BY EPA REGION VI

(AGENCY)

TOM DIGGS

(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 08/05/81

ESTIMATED DATE OF START-UP-- 1980

(214)-767-1594

(PHONE)

PROCESSES SUBJECT  
TO THIS PERMIT

THROUGHPUT  
CAPACITY

POLLUTANT  
EMITTED

EMISSION LIMITS  
CONTROL EQUIPMENT OR PROCESS MODIFICATION

... & BASIS  
... PCT EFF

WASTE INCIN., 2 EA

50.00 MMBTU/H

SO2

0.6800 LB/MMBTU

LOW S FUEL(OIL/GAS), & WASTE

NOX

0.7300 LB/MMBTU

FLUE GAS O2 CONTROL

BACT

BACT

NOTES -----

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

PAGE 6- 522

ID NUMBER TX-0047

SOURCE TYPE CODE 6.3

# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- ALKYL BENZENE 150.00 MMLB/YR

COMPANY NAME/SITE LOCATION CONOCO, INC. WESTLAKE, LA CALCASIEU PARISH

DETERMINATION IS BACT FOR A MODIFIED SOURCE. DATE OF PERMIT ISSUANCE-- 10/08/80  
 PERMIT NO. (REGION FILE NO.) PSD-LA-291 ESTIMATED DATE OF START-UP-- 1982  
 DETERMINATION MADE BY EPA REGION VI (214)-767-1594  
 (AGENCY) TOM DIGGS (PHONE)  
 (AGENCY CONTACT PERSON)

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

|                      |              |     |                                                       |  |      |
|----------------------|--------------|-----|-------------------------------------------------------|--|------|
| PACOL HEATER, CHARGE | 48.68 MBTU/H | NOX | 0.0960 LB/MBTU<br>LOW NOX BURNERS<br>> 20% EXCESS AIR |  | BACT |
|----------------------|--------------|-----|-------------------------------------------------------|--|------|

|                 |              |    |                                          |  |      |
|-----------------|--------------|----|------------------------------------------|--|------|
| HEATER, STARTUP | 11.37 MBTU/H | CO | 0.0180 LB/MBTU<br>FLUE GAS O2 MONITORING |  | BACT |
|-----------------|--------------|----|------------------------------------------|--|------|

|                 |               |     |                                                       |  |      |
|-----------------|---------------|-----|-------------------------------------------------------|--|------|
| HEATER, HOT OIL | 134.88 MBTU/H | NOX | 0.0970 LB/MBTU<br>LOW NOX BURNERS<br>> 20% EXCESS AIR |  | BACT |
|-----------------|---------------|-----|-------------------------------------------------------|--|------|

|  |  |    |                                          |  |      |
|--|--|----|------------------------------------------|--|------|
|  |  | CO | 0.0260 LB/MBTU<br>FLUE GAS O2 MONITORING |  | BACT |
|--|--|----|------------------------------------------|--|------|

|  |  |     |                                                       |  |      |
|--|--|-----|-------------------------------------------------------|--|------|
|  |  | NOX | 0.0970 LB/MBTU<br>LOW NOX BURNERS<br>> 20% EXCESS AIR |  | BACT |
|--|--|-----|-------------------------------------------------------|--|------|

|       |  |    |                                          |  |      |
|-------|--|----|------------------------------------------|--|------|
| FLARE |  | CO | 0.0210 LB/MBTU<br>FLUE GAS O2 MONITORING |  | BACT |
|-------|--|----|------------------------------------------|--|------|

|  |  |     |             |  |      |
|--|--|-----|-------------|--|------|
|  |  | NOX | 0.1200 LB/H |  | BACT |
|--|--|-----|-------------|--|------|

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

NOTES -----

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

PAGE 6-- 524

ID NUMBER LA-0020

SOURCE TYPE CODE 6.9



# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- CARBON BLACK 320.00 MMLB/YR

COMPANY NAME/SITE LOCATION ASHLAND CHEMICAL CO. , LA

DETERMINATION IS BACT FOR A MODIFIED SOURCE.

PERMIT NO. LA-339

DETERMINATION MADE BY EPA REGION VI (AGENCY)

JOHN BUNYAK (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 06/23/81  
ESTIMATED DATE OF START-UP-- (214)-767-1594  
(PHONE)

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

DRYER 1

50.50 MMBTU/H

|     |              |                      |      |
|-----|--------------|----------------------|------|
| SO2 | 38.3000 LB/H | EFFICIENT OPERATION  | BACT |
| NOX | 10.7000 LB/H | LOW EXCESS AIR       | BACT |
| CO  | 36.9000 LB/H | EFFICIENT COMBUSTION | BACT |
| PM  | 6.2400 LB/H  | EFFICIENT COMBUSTION | BACT |
| VOC | 4.0000 LB/H  | EFFICIENT COMBUSTION | BACT |

DRYER 2

110.00 MMBTU/H

|     |               |                      |      |
|-----|---------------|----------------------|------|
| SO2 | 777.8000 LB/H | EFFICIENT OPERATION  | BACT |
| NOX | 9.6900 LB/H   | LOW EXCESS AIR       | BACT |
| CO  | 79.3000 LB/H  | EFFICIENT COMBUSTION | BACT |
| PM  | 15.2800 LB/H  | EFFICIENT COMBUSTION | BACT |
| VOC | 9.1000 LB/H   | EFFICIENT COMBUSTION | BACT |

(CONTINUED) ASHLAND CHEMICAL CO.

| PROCESSES SUBJECT<br>TO THIS PERMIT | THROUGHPUT<br>CAPACITY | POLLUTANT<br>EMITTED | EMISSION LIMITS<br>CONTROL EQUIPMENT OR PROCESS MODIFICATION | ... & BASIS<br>... PCT EFF |
|-------------------------------------|------------------------|----------------------|--------------------------------------------------------------|----------------------------|
| CO BOILER                           | 125.40 MMBTU/H         | SO2                  | 977.3000 LB/H<br>EFFICIENT COMBUSTION                        | BACT                       |
|                                     |                        | NOX                  | 26.4000 LB/H<br>LOW EXCESS AIR                               | BACT                       |
|                                     |                        | CO                   | 94.0000 LB/H<br>EFFICIENT COMBUSTION                         | BACT                       |
|                                     |                        | PM                   | 6.9000 LB/H<br>EFFICIENT COMBUSTION                          | BACT                       |
|                                     |                        | VOC                  | 19.3000 LB/H<br>EFFICIENT COMBUSTION                         | BACT                       |
|                                     |                        |                      |                                                              |                            |

NOTES -----

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- CARBON BLACK

COMPANY NAME/SITE LOCATION ASHLAND CHEMICAL CO.

, TX

DETERMINATION IS BACT FOR A MODIFIED SOURCE.

PERMIT NO. TX-338

DETERMINATION MADE BY EPA REGION VI

(AGENCY)

JOE WINKLER

(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 06/02/81

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

STACK DRYER 2

53.00 MMBTU/H

PM 7.4000 LB/H  
FABRIC SYS  
S02 373.9000 LB/H  
PROPER OPERATION  
NOX 20.0000 LB/H  
LOW EXCESS AIR  
VOC 1.4000 LB/H  
EFFICIENT COMBUSTION  
CO 42.5000 LB/H  
EFFICIENT COMBUSTION

BACT

BACT

BACT

BACT

BACT

STACK DRYER 1

53.00 MMBTU/H

PM 7.4000 LB/H  
FABRIC SYS  
S02 373.9000 LB/H  
PROPER OPERATION  
NOX 20.0000 LB/H  
LOW EXCESS AIR  
VOC 1.4000 LB/H  
EFFICIENT COMBUSTION  
CO 42.5000 LB/H  
EFFICIENT COMBUSTION

BACT

BACT

BACT

BACT

BACT

(CONTINUED) ASHLAND CHEMICAL CO.

| PROCESSES SUBJECT<br>TO THIS PERMIT | THROUGHPUT<br>CAPACITY | POLLUTANT<br>EMITTED | EMISSION LIMITS<br>CONTROL EQUIPMENT OR PROCESS MODIFICATION | ... & BASIS<br>... PCT EFF |
|-------------------------------------|------------------------|----------------------|--------------------------------------------------------------|----------------------------|
| CO BOILER                           | 81.00 MMBTU/H          | PM                   | 10.0000 LB/H                                                 | BACT                       |
|                                     |                        |                      | FABRIC SYS                                                   |                            |
|                                     |                        | SO2                  | 565.0000 LB/H                                                | BACT                       |
|                                     |                        |                      | NORMAL OPERATION                                             |                            |
|                                     |                        | NOX                  | 28.0000 LB/H                                                 | BACT                       |
|                                     |                        |                      | LOW EXCESS AIR                                               |                            |
|                                     |                        | VOC                  | 3.0000 LB/H                                                  | BACT                       |
|                                     |                        |                      | EFFICIENT OPERATION                                          |                            |
|                                     |                        | CO                   | 62.0000 LB/H                                                 | BACT                       |
|                                     |                        |                      | EFFICIENT OPERATION                                          |                            |

NOTES -----

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- CHARCOAL

COMPANY NAME/SITE LOCATION BIG SANDY WOOD IND.

BIG SANDY, TX

UPSHUR COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.

PERMIT NO. C8881

DETERMINATION MADE BY TEXAS ACB  
(AGENCY)

JIMMY RANDALL  
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 09/03/82  
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

WOOD-CHARRING PILES, 5

3.75 T/D

PM  
NOX  
CO

20.5000 T/YR  
4.4000 T/YR  
178.0000 T/YR

BACT  
BACT  
BACT

NOTES -----

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

PAGE 6- 529

ID NUMBER TX-0106

SOURCE TYPE CODE 6.13

# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- CARBON BLACK

COMPANY NAME/SITE LOCATION CONTINENTAL CARBON 5 MI SW OF SUNRAY SUNRAY, TX MOORE COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.  
 PERMIT NO. PSD-TX-345  
 DETERMINATION MADE BY EPA REGION VI  
 (AGENCY) JOHN BUNYAK  
 (AGENCY CONTACT PERSON) DATE OF PERMIT ISSUANCE-- 09/03/81  
 ESTIMATED DATE OF START-UP--  
 (214)-767-1594  
 (PHONE)

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

|         |               |     |      |
|---------|---------------|-----|------|
| REACTOR | 2.10 T/H      | S02 | BACT |
| DRYER   | 2.10 T/H      | S02 | BACT |
| REACTOR | 2.00 T/H      | S02 | BACT |
| DRYER   | 2.00 T/H      | S02 | BACT |
| FIREBOX | 24.00 MMBTU/H | S02 | BACT |

NOTES -----

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/size--- CARBON BLACK

COMPANY NAME/SITE LOCATION GREAT LAKES CARBON ALTUS, AR FRANKLIN COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.  
 PERMIT NO. PSD-AR-271A  
 DETERMINATION MADE BY EPA REGION VI  
 (AGENCY) TOM DIGGS  
 (AGENCY CONTACT PERSON) DATE OF PERMIT ISSUANCE-- 12/21/78  
 ESTIMATED DATE OF START-UP-- 1981  
 (214)-767-1594  
 (PHONE)

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

|          |              |    |                                     |               |
|----------|--------------|----|-------------------------------------|---------------|
| INCIN.   | 0.42 MMBTU/H | PM | 6.6600 LB/H<br>EFFICIENT COMBUSTION | BACT          |
| BAGHOUSE |              | PM | 0.0200 LB/H<br>BAGHOUSE             | BACT<br>99.00 |

NOTES -----

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- CARBON BLACK

COMPANY NAME/SITE LOCATION PHILLIPS PETROLEUM CO.

BARTLESVILLE, OK

OSAGE COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.

PERMIT NO. PSD-OK-223

DETERMINATION MADE BY EPA REGION VI

(AGENCY)

TOM DIGGS

(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 01/04/80

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

NAT. GAS FIRED COMPRESSOR

5.82 MMBTU/H

PM

0.4000 LB/H

0.5% S FUEL OIL

CO

0.2000 LB/H

PROPER OPERATION

NOTES -----

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

PAGE G- 532

ID NUMBER OK-0010

SOURCE TYPE CODE 6.12



# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- CHLOROALKALI

COMPANY NAME/SITE LOCATION DIAMOND SHAMROCK CORP.  
1149 ELLSWORTH DR.

PASADENA, TX 77501

HARRIS COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.  
PERMIT NO TX-276  
DETERMINATION MADE BY EPA REGION VI  
(AGENCY)

JOHN BUNYAK  
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 06/20/80  
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

GAS TURBINE, 3 960.00 MMBTU/H EA

|     |                             |      |
|-----|-----------------------------|------|
| NOX | 403.0000 LB/H EA            | NSPS |
|     | 0.4200 LB/MMBTU             |      |
|     | WATER INJECTION             |      |
| CO  | 108.1000 LB/H EA            | BACT |
|     | 0.1120 LB/MMBTU             |      |
|     | EFFICIENT COMBUSTION        |      |
| PM  | 13.2000 LB/H EA             | BACT |
|     | 0.0140 LB/MMBTU             |      |
|     | EFFICIENT COMBUSTION        |      |
| S02 | 0.6000 LB/H                 | NSPS |
|     | 0.0006 LB/MMBTU             |      |
|     | 0.8% S BY WT FUEL           |      |
| NOX | 55.2000 LB/H EA             | BACT |
|     | 0.2200 LB/MMBTU             |      |
|     | LOW NOX BURNERS, LEA CONTRL |      |
| CO  | 4.0800 LB/H EA              | BACT |
|     | 0.0170 LB/MMBTU             |      |
|     | EFFICIENT COMBUSTION        |      |
| PM  | 3.6000 LB/H EA              | BACT |
|     | 0.0150 LB/MMBTU             |      |
|     | EFFICIENT COMBUSTION        |      |

STEAM GEN., HEAT RECOVERY, 3 246.00 MMBTU/H

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

NOTES -----  
MODIFIED EXISTING CHLORINE CAUSTIC BY CONSTRUCTING A 313 MW COMBINED CYCLE POWER GENERATING FACILITY.

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

PAGE 6- 534

ID NUMBER TX-0075

SOURCE TYPE CODE 6.14

# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- CHLOROBENZENE

COMPANY NAME/SITE LOCATION BOFORS NOBEL, INC.  
5025 EVANSTON AVE.

MUSKEGON, MI

DETERMINATION IS BACT FOR A NEW SOURCE.  
PERMIT NO. 615-81  
DETERMINATION MADE BY MICHIGAN DNR  
(AGENCY)

DATE OF PERMIT ISSUANCE-- 02/25/82  
ESTIMATED DATE OF START-UP-- 1982  
(517)-322-1333  
(PHONE)

DANITA BRANDT  
(AGENCY CONTACT PERSON)

PROCESSES SUBJECT  
TO THIS PERMIT

THROUGHPUT  
CAPACITY

POLLUTANT  
EMITTED

EMISSION LIMITS  
CONTROL EQUIPMENT OR PROCESS MODIFICATION

... & BASIS  
... PCT EFF

DCB MANUFACTURE

3.00 M<sup>3</sup>LB/YR

DCB 9.0600 UG/CU. METER

DUAL ABSOLUTE FILTERS IN SERIES

99.99

DCB PACKOUT

3.00 M<sup>3</sup>LB/YR

DCB 3.5200 UG/CU. METER

DUAL ABSOLUTE FILTERS IN SERIES

99.99

## NOTES

TOTAL CONCENTRATION FROM ALL SOURCES (6 STACKS) MODELED FOR RISK ASSESSMENT ON THIS CARCINOGEN. FOUR STACKS IN MANUFACTURING PROCESS, TWO STACKS ON PACKOUT FACILITY.  
INDIVIDUAL CONCENTRATIONS ARE 0.01, 3.07, 2.27, 3.71, 2.51, AND 1.01 UG/CUBIC METER.

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

# APPENDIX --- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- ETHYLENE AND POLYETHYLENE

690.00 MMLB/YR

COMPANY NAME/SITE LOCATION GULF OIL CHEMICALS

VICTORIA, TX

VICTORIA COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.  
PERMIT NO. (REGION FILE NO.) PSD-TX-299  
DETERMINATION MADE BY EPA REGION VI  
(AGENCY)

RAGAN BROYLES  
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 08/17/81  
ESTIMATED DATE OF START-UP--  
(214)-767-1594  
(PHONE)

PROCESSES SUBJECT  
TO THIS PERMIT

POLLUTANT  
EMITTED

EMISSION LIMITS  
CONTROL EQUIPMENT OR PROCESS MODIFICATION

... & BASIS  
... PCT EFF

BOILERS, 4 EA

49.00 MMBTU/H EA

|     |                                                               |      |
|-----|---------------------------------------------------------------|------|
| PM  | 0.0200 LB/MMBTU OIL<br>0.0100 LB/MMBTU GAS                    | BACT |
| S02 | 0.7500 LB/MMBTU OIL<br>LOW SULFUR FUEL OR GAS                 | BACT |
| NOX | 0.3000 LB/MMBTU OIL<br>0.1200 LB/MMBTU GAS<br>LOW NOX BURNERS | BACT |

CATALYTIC ACTIVATORS, 2 EA

10.00 MMBTU/H EA

|     |                                    |      |
|-----|------------------------------------|------|
| PM  | 0.1000 LB/H<br>GAS FIRED           | BACT |
| S02 | TRACE<br>LOW SULFUR FUEL/GAS       | BACT |
| NOX | 0.1200 LB/MMBTU<br>LOW NOX BURNERS | BACT |

PREHEATERS, 2 EA

|     |                                |      |
|-----|--------------------------------|------|
| PM  | TRACE<br>GAS FIRED             | BACT |
| S02 | TRACE<br>LOW SULFUR FUEL/GAS   | BACT |
| NOX | 0.1000 LB/H<br>LOW NOX BURNERS | BACT |

(CONTINUED) GULF OIL CHEMICALS

| PROCESSES SUBJECT<br>TO THIS PERMIT | THROUGHPUT<br>CAPACITY | POLLUTANT<br>EMITTED | EMISSION LIMITS<br>CONTROL EQUIPMENT OR PROCESS MODIFICATION | ... & BASIS<br>... PCT EFF |
|-------------------------------------|------------------------|----------------------|--------------------------------------------------------------|----------------------------|
| CATALYTIC ACTIVATOR FILTERS, 2 *    |                        |                      |                                                              |                            |
| BLOW TANK FILTERS, 2 EA             |                        | PM                   | TRACE<br>BAG FILTER                                          | BACT<br>99.90              |
| CATALYTIC FILTERS, 2 EA             |                        | PM                   | TRACE<br>BAG FILTER                                          | BACT<br>99.90              |
| STORAGE SILOS                       |                        | PM                   | TRACE<br>BAG FILTER                                          | BACT<br>99.90              |
| FLARE, 10 EA                        |                        | PM                   | TRACE<br>BAG FILTERS                                         | BACT<br>99.90              |
|                                     |                        | PM                   | 0.1000 LB/H<br>STEAM INJECTION                               | BACT                       |
|                                     |                        | SO2                  | TRACE<br>LOW SULFUR OIL (0.7%)                               | BACT                       |
|                                     |                        | NOX                  | 2.3000 LB/H<br>EFFICIENT DESIGN                              | BACT                       |
| CATALYTIC INCINERATOR               |                        | NOX                  | 15.0000 LB/H<br>LOW NOX BURNERS                              | BACT                       |

NOTES -----  
TRACE EQUALS LESS THAN ONE POUND PER HOUR.

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- ETHYLENE AND POLYETHYLENE

COMPANY NAME/SITE LOCATION TEXAS EASTMAN CO.  
P.O. BOX 7444  
LONGVIEW, TX 75607

DETERMINATION IS BACT FOR A MODIFIED SOURCE.  
PERMIT NO. TX-332  
DETERMINATION MADE BY EPA REGION VI  
(AGENCY) TOM DIGGS  
(AGENCY CONTACT PERSON)  
DATE OF PERMIT ISSUANCE-- 05/27/81  
ESTIMATED DATE OF START-UP--  
(214)-767-1594  
(PHONE)

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

|                       |                  |     |                                             |      |
|-----------------------|------------------|-----|---------------------------------------------|------|
| PYROLYSIS FURNACE     | 100.00 MBTU/H    | PM  | 1.0000 LB/H<br>COMBUSTION CONTROL           | BACT |
|                       |                  | CO  | 1.7000 LB/H<br>COMBUSTION CONTROL           | BACT |
|                       |                  | NOX | 10.0000 LB/H<br>LOW NOX BURNERS, LEA FIRING | BACT |
|                       |                  | SO2 | 0.1000 LB/H<br>NAT. GAS/OFF GAS FIRED       | BACT |
| PYROLYSIS FURNACE     | 100.00 MBTU/H    | PM  | 1.0000 LB/H<br>COMBUSTION CONTROL           | BACT |
|                       |                  | CO  | 1.7000 LB/H<br>COMBUSTION CONTROL           | BACT |
|                       |                  | NOX | 10.0000 LB/H<br>LOW NOX FIRING, LEA FIRING  | BACT |
|                       |                  | SO2 | 0.1000 LB/H<br>NAT. GAS/OFF GAS FIRED       | BACT |
| PYROLYSIS FURNACES, 4 | 165.00 MBTU/H EA | PM  | 1.0000 LB/H EA<br>COMBUSTION CONTROL        | BACT |
|                       |                  | CO  | 3.0000 LB/H EA<br>COMBUSTION CONTROL        | BACT |

BACT  
BACT

17.0000 LB/H  
LOW NOX BURNERS, LEA FIRING  
0.2000 LB/H  
NAT. GAS/OFF GAS FIRED

NOX  
SO2

(CONTINUED) TEXAS EASTMAN CO.

| PROCESSES SUBJECT<br>TO THIS PERMIT | THROUGHPUT<br>CAPACITY | POLLUTANT<br>EMITTED | EMISSION LIMITS<br>CONTROL EQUIPMENT OR PROCESS MODIFICATION           | ... & BASIS<br>... PCT EFF |
|-------------------------------------|------------------------|----------------------|------------------------------------------------------------------------|----------------------------|
| PROCESS HEATER                      | 10.00 MMBTU/H          | PM                   | 1.0000 LB/H<br>COMBUSTION CONTROL                                      | BACT                       |
|                                     |                        | CO                   | 0.2000 LB/H<br>COMBUSTION CONTROL                                      | BACT                       |
|                                     |                        | NOX                  | 1.2000 LB/H<br>LOW NOX FIRING, LEA FIRING                              | BACT                       |
|                                     |                        | SO2                  | 0.0100 LB/H<br>NAT. GAS/OFF GAS FIRED                                  | BACT                       |
| BOILERS, 2                          | 330.00 MMBTU/H         | PM                   | 14.0000 LB/H TAR<br>1.0000 LB/H N. GAS<br>COMBUSTION CONTROL           | BACT                       |
|                                     |                        | CO                   | 4.6000 LB/H TAR<br>3.2000 LB/H N. GAS<br>COMBUSTION CONTROL            | BACT                       |
|                                     |                        | NOX                  | 42.0000 LB/H TAR<br>22.8000 LB/H N. GAS<br>LOW NOX BURNERS, LEA FIRING | BACT                       |
|                                     |                        | SO2                  | 12.0000 LB/H TAR<br>1.0000 LB/H N. GAS<br>0.075% S FUEL (TAR)          | BACT                       |
| PELLET STORAGE & HANDLING           |                        | PM                   | 1.1000 LB/H<br>BAGHOUSE                                                | BACT<br>97.00              |

NOTES -----  
NEW ORGANIC CHEM. MFG FACILITY - LOW DENSITY POLYETHYLENE UNIT. NEW HYDROCARBON CRACKING UNIT CONSISTING OF 6 PYROLYSIS FURNACES, TWO BOILERS AND ONE PROCESS HEATER. WHEN 2 FUELS ARE FIRED SIMULTANEOUSLY, ALLOWABLE EMISSIONS (LB/HR) BY POLLUTANT SHALL BE DETERMINED BY:  $E = (MMBTU \text{ TAR/HR})(LB/MMBTU \text{ TAR}) + (MMBTU \text{ GAS/HR})(LB/MMBTU \text{ GAS})$ . FUEL FIRING RATE FOR EACH ABOVE BOILER SHALL NOT EXCEED 7950 LB/HR PYROLYSIS TAR.

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.



# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- ETHYLENE AND POLYETHYLENE 270.00 MT/YR

COMPANY NAME/SITE LOCATION TEX-USS 4800 FURNACE PLACE BELLAIRE, TX 77401

DETERMINATION IS BACT FOR A MODIFIED SOURCE. PERMIT NO. (REGION FILE NO.) PSD-TX-336 DATE OF PERMIT ISSUANCE-- 04/16/81  
 DETERMINATION MADE BY EPA REGION VI ESTIMATED DATE OF START-UP--  
 (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 |
|----------------------------------|---------------------|-------------------|-----------------------------------------------------------|-------------------------|
|----------------------------------|---------------------|-------------------|-----------------------------------------------------------|-------------------------|

|              |               |     |                                 |      |
|--------------|---------------|-----|---------------------------------|------|
| STEAM BOILER | 99.00 MTBTU/H | NOX | 0.1100 LB/MTBTU LOW NOX BURNERS | BACT |
| STEAM BOILER | 99.00 MTBTU/H | NOX | 0.1100 LB/MTBTU LOW NOX BURNERS | BACT |

NOTES -----

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- ETHYLBENZENE/STYRENE 900.00 MMLB/YR

COMPANY NAME/SITE LOCATION AMERICAN HOECHST PASADENA, TX HARRIS COUNTY

DETERMINATION IS RACT FOR A NEW SOURCE.  
 PERMIT NO. 5252  
 DETERMINATION MADE BY TEXAS ACB (AGENCY)  
 SAM CROWTHER (AGENCY CONTACT PERSON)  
 DATE OF PERMIT ISSUANCE-- 07/01/77  
 ESTIMATED DATE OF START-UP-- 1978  
 (512)-451-5711 (PHONE)

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

|                         |                  |     |                                                                     |        |
|-------------------------|------------------|-----|---------------------------------------------------------------------|--------|
| BOILERS, 4 & HEATERS, 6 | 1.20 MMBTU/H TO* | PM  | 15.0000 T/YR<br>PROC., RESIDUE, & NAT. GAS FIRED                    |        |
|                         |                  | SO2 | 1.1000 T/YR<br>PROC., RESIDUE, & NAT. GAS FIRED                     | AP42   |
|                         |                  | NOX | 569.0000 T/YR<br>0.1750 LB/HSTU<br>PROC., RESIDUE, & NAT. GAS FIRED |        |
| PROCESS VENTS           |                  | VOC | NONE<br>VENTED                                                      | 100.00 |
| TANKS, 10               |                  | VOC | 16.0000 T/YR<br>INT. FLOAT COVER & WHITE PAINT                      | AP42   |

NOTES -----  
 FIRST TEXAS EB/STYRENE UNIT WITH NO PROCESS VENTS TO ATMOSPHERE

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE---  
OTHER CHEMICAL  
18000.00 BBL

COMPANY NAME/SITE LOCATION CONOCO CHEMICAL CO.

LIVERPOOL, TX

BRAZORIA COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.

PERMIT NO. X-3826

DETERMINATION MADE BY TEXAS ACB  
(AGENCY)

ED KASPRZYK  
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 10/01/82  
ESTIMATED DATE OF START-UP-- 1983  
(512)-451-5711  
(PHONE)

PROCESSES SUBJECT  
TO THIS PERMIT

POLLUTANT  
EMITTED

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

STORAGE TANKS, 2

1.19 MMBBL/YR EA

BEN\*

1.3000 T/YR

AP42

INT. FLOAT. ROOF W/DOUBLE SEALS  
SEAL POTS VENT TO ACTIV. CHARCOAL BEDS

NOTES -----

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE---  
 FORMALDEHYDE  
 20000.00 GAL  
 COMPANY NAME/SITE LOCATION EXXON CHEMICAL AMERICAS  
 HOUSTON, TX  
 HARRIS COUNTY  
 DETERMINATION IS BACT FOR A NEW SOURCE.  
 PERMIT NO. X3753  
 DETERMINATION MADE BY TEXAS ACB  
 (AGENCY)  
 STUART KEIL  
 (AGENCY CONTACT PERSON)  
 DATE OF PERMIT ISSUANCE-- 09/16/82  
 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

WATER TREATMENT CHEMICALS MFG U\* 20000.00 GAL  
 FOR\*  
 VOC  
 STATIC SCRUBBER W/SODIUM BISULFITE SOL.  
 NIL EMISSIONS

NOTES -----  
 EFFICIENCY NOT DETERMINED AT THIS TIME. PROCESS CONCERNS FORMALDEHYDE STORAGE.

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- FORMALDEHYDE 64400.00 LB/H INPUT

COMPANY NAME/SITE LOCATION GEORGIA-PACIFIC CORP. CONWAY, NC NORTHAMPTON COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE. DATE OF PERMIT ISSUANCE-- 01/17/80  
 PERMIT NO. NC-060 ESTIMATED DATE OF START-UP--  
 DETERMINATION MADE BY NORTH CAROLINA DEM MIKE SEWELL (919)-733-6126  
 (AGENCY) (AGENCY CONTACT PERSON) (PHONE)

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

FORMALDEHYDE PRODUCTION  
 VOC 10.0000 LB/H BACT  
 CO 10.0000 LB/H CATALYTIC CONVERTER 95.00  
 CATALYTIC CONVERTER 60.00

NOTES -----

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- FORMALDEHYDE 150.00 MMLB/YR

COMPANY NAME/SITE LOCATION INTERNAT. MINERALS & CHEMICAL CORP. SOUTH WHITEHALL TOWNSHIP, PA LEHIGH COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE. DATE OF PERMIT ISSUANCE-- 09/12/79  
 PERMIT NO. (REGION FILE NO.) 79PA10 ESTIMATED DATE OF START-UP-- 1980  
 DETERMINATION MADE BY EPA REGION III BOB BLASZCZAK (215)-597-8186  
 (AGENCY) (AGENCY CONTACT PERSON) (PHONE)

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

FORMALDEHYDE PLANT 5800.00 ACFM (70 DE\* VOC 10.1000 LB/H BACT 90.00  
 CATALYTIC AFTERBURNER BACT 90.00  
 CO 2.0300 LB/H  
 STORAGE TANK (FORMALDEHYDE) 150.00 MGAL VOC 0.0400 LB/H BACT 90.00  
 VAPOR RECOVERY SYS  
 STORAGE TANK (METHANOL) 100.00 MGAL VOC 0.1000 LB/H BACT 90.00  
 VAPOR RECOVERY SYS

NOTES -----

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- MALEIC ANHYDRIDE 133.00 MMLB/YR

COMPANY NAME/SITE LOCATION MONSANTO CO. P.O. BOX 12830 PENSACOLA, FL 32575 ESCAMBIA COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE. PERMIT NO. FL-055 DATE OF PERMIT ISSUANCE-- 03/26/81 ESTIMATED DATE OF START-UP-- 1983 DETERMINATION MADE BY FLORIDA DER (AGENCY) ED PALAGYI (904)-488-1344 (PHONE) (AGENCY CONTACT PERSON)

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

|                             |                |     |               |            |
|-----------------------------|----------------|-----|---------------|------------|
| MALEIC ANHYDRIDE PRODUCTION | 133.00 MMLB/YR | VOC | 700.0000 LB/H | BACT 90.00 |
|                             |                | CO  | 670.0000 LB/H | BACT 9.00  |
|                             |                |     | INCINERATION  |            |
|                             |                |     | INCINERATION  |            |

NOTES -----

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- METHANOL

COMPANY NAME/SITE LOCATION DOW CORNING CORP.

CARROLLTON, KY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.  
 PERMIT NO. C-82-73  
 DETERMINATION MADE BY KENTUCKY DAPC  
 (AGENCY)

DATE OF PERMIT ISSUANCE-- 07/23/82  
 ESTIMATED DATE OF START-UP--  
 (502)-564-3382  
 (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 |
|----------------------------------|---------------------|-------------------|-----------------------------------------------------------|-------------------------|
|----------------------------------|---------------------|-------------------|-----------------------------------------------------------|-------------------------|

GRINDING, SCREENING, CONVEYING

|     |              |                |  |  |
|-----|--------------|----------------|--|--|
| PM  | 22.0000 T/YR | FABRIC FILTER  |  |  |
| VOC | 60.0000 T/YR | VAPOR RECOVERY |  |  |
| VOC | 4.0000 T/YR  |                |  |  |

PILOT PLANT, CHLOROSILANE

NOTES -----  
 PERMIT ONLY ALLOWS 9 LB/H , 36 T/YR VOC.

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.



APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- METHANOL 100.00 MMGAL/YR

COMPANY NAME/SITE LOCATION GETTY METHANOL CORP.

DELAWARE CITY, DE

NEW CASTLE COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.

PERMIT NO. 80DE01

DETERMINATION MADE BY EPA REGION III

(AGENCY)

BOB BLASZCZAK

(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 10/10/80

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

TUBULAR REFORMER

1.39 MMBL/YR

NOX

0.1300 LB/MMBTU

COEN LOW NOX BURNERS

BACT

STORAGE TANKS, METHANOL

115.00 MMBL/YR

NOX

SEE NOTES

BACT

75.00

NOTES

NOX CONTROLLED BY INTERNAL FLOATING ROOFS + PROPER MAINTENANCE OF STORAGE TANK SEALS.

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

3.00 MMLB/YR

PAINT & VARNISH

SOURCE TYPE/SIZE---

MUSKEGON, MI 49442

COMPANY NAME/SITE LOCATION  
SUN CHEMICAL CORP.  
4925 EVANSTON AVE.

DETERMINATION IS BACT FOR A NEW SOURCE.  
PERMIT NO. 351-82  
DETERMINATION MADE BY MICHIGAN DNR (AGENCY)  
ASAD KHAN (AGENCY CONTACT PERSON)  
DATE OF PERMIT ISSUANCE-- 08/24/82  
ESTIMATED DATE OF START-UP-- 1983  
(517)-322-1333 (PHONE)

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

|                                  |              |      |                                                       |               |
|----------------------------------|--------------|------|-------------------------------------------------------|---------------|
| AZO RED PIGMENT MANUFACTURING P* | 3.00 MMLB/YR | BET* | 0.3300 UG/CU. METER<br>2 ABS FILTERS & A WET SCRUBBER | BACT<br>99.99 |
|----------------------------------|--------------|------|-------------------------------------------------------|---------------|

NOTES ---  
THE ABOVE BACT LIMIT IS ALSO BASED ON GUIDELINES DEVELOPED BY THE AIR ADVISORY COMMITTEE TO THE APC COMMISSION, MICHIGAN DNR,  
FOR NON-CRITERIA POLLUTANTS.

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- PHARMACEUTICAL

COMPANY NAME/SITE LOCATION ELI LILLY

GREENFIELD, IN

DETERMINATION IS BACT FOR A NEW SOURCE.  
 PERMIT NO. EPA-5-A-81-7  
 DETERMINATION MADE BY EPA REGION V  
 (AGENCY)

BONIFACE THAYIL  
 (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 08/04/81  
 ESTIMATED DATE OF START-UP-- 1985  
 (312)-886-6054  
 (PHONE)

PROCESSES SUBJECT  
 TO THIS PERMIT

THROUGHPUT  
 CAPACITY

POLLUTANT  
 EMITTED

EMISSION LIMITS  
 CONTROL EQUIPMENT OR PROCESS MODIFICATION

... & BASIS  
 ... PCT EFF

COAL FIRED BOILER

123.00 MMBTU/H

PM 0.0930 LB/MMBTU

49.6000 T/YR

BAGHOUSE

NOX 0.6000 LB/MMBTU

323.0000 T/YR

SO2 1.6000 LB/MMBTU 3 H AV

LOW S COAL

NOTES -----

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

PAGE 6- 551

ID NUMBER IN-0002

SOURCE TYPE CODE 6.43

# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- PHARMACEUTICAL

COMPANY NAME/SITE LOCATION MEAD JOHNSON & CO.

MOUNT VERNON, IN

DETERMINATION IS BAC: FOR A NEW SOURCE.  
PERMIT NO. PC(65) 1507  
DETERMINATION MADE BY INDIANA APCD  
(AGENCY)

FRANK PROFIT  
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 03/12/82  
ESTIMATED DATE OF START-UP--  
(317)-633-0664  
(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 40000.00 LB/H EA

PM

0.0300 LB/MMBTU

MULTICLONE & BAGHOUSE

98.60

SO2

2.1000 LB/MMBTU

MAX 1.3% SULFUR COAL

NOX

0.6500 LB/MMBTU

NOTES -----

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

PAGE G- 552

ID NUMBER IN-0020

SOURCE TYPE CODE 6.43

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

80.00 MMLB/YR

PHthalic ANHYDRIDE

COMPANY NAME/SITE LOCATION ASHLAND CHEMICAL CO.

NEAL, WV

WAYNE COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.

PERMIT NO. 78KV02

DETERMINATION MADE BY EPA REGION III

(AGENCY)

VERNON BUTLER

(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 10/07/80

ESTIMATED DATE OF START-UP-- 1982

(215)-597-2711

(PHONE)

PROCESSES SUBJECT TO THIS PERMIT

THROUGHPUT CAPACITY

POLLUTANT EMITTED

EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION

... & BASIS ... PCT EFF

INCINERATOR

CO

86.7000 LB/H

CATALYTIC INCINERATOR

BACT

95.00

VOC

49.3000 LB/H

CATALYTIC INCINERATOR

BACT

95.00

10.00 MMBTU/YR

SO2

16.0000 LB/H

1% SULFUR FUEL OIL

BACT

NOTES -----

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

PAGE 5- 553

ID NUMBER WV-0002

SOURCE TYPE CODE 6.45

# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- Sulfur Recovery 25.00 T/D Sulfur  
 COMPANY NAME/SITE LOCATION AMOCO PRODUCTION CO. ANDREWS, TX ANDREWS COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE. DATE OF PERMIT ISSUANCE-- 10/16/79  
 PERMIT NO. 7725 ESTIMATED DATE OF START-UP-- 1980  
 DETERMINATION MADE BY TEXAS ACB (512)-451-5711  
 (AGENCY) (AGENCY CONTACT PERSON) (PHONE)

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

Sulfur Recov. on Nat. Gas Stream 4.00 MMSCFD GAS SO2 270.0000 T/YR COLD BED ADSORPTION DESIGN 98.50

NOTES -----  
 THIS PROCESS USES A FINAL CATALYST BED MAINTAINED AT LOW TEMP. SO THAT SULFURPRODUCED IS REMOVED FROM REACTION SYSTEM. OVERALL  
 EQUILIBRIUM IS THUS SHIFTED SO THAT HIGHER PERCENT CONVERSIONS OF HYDROGEN SULFIDE TO SULFUR IS ACHIEVED.

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- SULFUR RECOVERY

COMPANY NAME/SITE LOCATION SPONGE, INC.

CLEVELAND, OH 44102

DETERMINATION IS BACT FOR A NEW SOURCE.

PERMIT NO. 13-958

DATE OF PERMIT ISSUANCE--

1982

DETERMINATION MADE BY CLEVELAND DAPC (AGENCY)

IKRAM HABIB (AGENCY CONTACT PERSON)

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 ... PCT EFF

H2S CONVERTER, SETTLING TANK & \* 180.00 GAL/H

H2S

0.0200 LB/H

0.2600 GR/100 CF

NA2S CONVERTED TO H2S THEN S.

99.00

## NOTES

H2S GAS WHICH IS EVOLVED IN SPONGE MANUFACTURING PROCESS IS REMOVED BY CAUSTIC SCRUBBERS, THE WASTE WATERS FROM WHICH CONTAIN LARGE AMOUNTS OF NA2S. SULFURIC ACID TREATMENT OF THIS WATER RE-LIBERATES H2S WHICH THE CATABAN REACTOR CONVERTS INTO ELEMENTAL SULFUR.

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- Sulfur Recovery

50.00 T/D

COMPANY NAME/SITE LOCATION TEXACO, INC. - PUGET SOUND REFINERY

ANACORTES, WA 98221

DETERMINATION IS BACT FOR A NEW SOURCE.

PERMIT NO.

DETERMINATION MADE BY NORTHWEST APA  
(AGENCY)

GLEN HALLMAN  
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 02/25/81  
ESTIMATED DATE OF START-UP-- 1983  
(206)-336-5705  
(PHONE)

PROCESSES SUBJECT  
TO THIS PERMIT

THROUGHPUT  
CAPACITY

POLLUTANT  
EMITTED

EMISSION LIMITS  
CONTROL EQUIPMENT OR PROCESS MODIFICATION

... & BASIS  
... PCT EFF

CLAUS SULFUR UNITS, 2

25.00 LT/D, EA

S02

6.4000 LB/H  
28.0000 T/YR

S02 250.0000 PPM DSCF, 0% O2  
SCOT TAIL GAS TREATING UNIT  
INCINERATOR STACK

99.90  
NSPS

NOTES -----

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

PAGE G- 556

ID NUMBER WA-0005

SOURCE TYPE CODE 6.52



# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- SYNFUELS/FUEL CONVERSION (NOT OIL SHALE) 30.00 T/H COAL

COMPANY NAME/SITE LOCATION ASHLAND SYNTHETIC FUELS, INC.  
P.O. BOX 391  
ASHLAND, KY 41101  
BOYO COUNTY

DETERMINATION IS LAER FOR A NEW SOURCE.  
PERMIT NO. PSD-KY-089  
DETERMINATION MADE BY KENTUCKY DAPC  
(AGENCY)  
BILL DILLS  
(AGENCY CONTACT PERSON)  
DATE OF PERMIT ISSUANCE-- 02/28/80  
ESTIMATED DATE OF START-UP--  
(502)-564-3382  
(PHONE)

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

COAL LIQUIFICATION PLANT 70400.00 T/YR COAL PM 82.6000 T/YR LAER 99.00  
BAG HOUSES  
NEW  
S02 93.2400 T/YR LAER 96.30  
SULFUR RECOVERY UNIT  
NEW

NOTES -----  
4368 HPY OPERATION

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

PAGE 6- 557

ID NUMBER KY-0013

SOURCE TYPE CODE 6.53

# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- SYNFUELS/FUEL CONVERSION (NOT OIL SHALE) 55.00 MM

COMPANY NAME/SITE LOCATION DEPT OF WATER RESOURCES , CA LAKE COUNTY  
BOTTLE ROCK PROJECT

DETERMINATION IS BACT FOR A NEW SOURCE. DATE OF PERMIT ISSUANCE-- 06/15/81  
PERMIT NO. NC-79-08 ESTIMATED DATE OF START-UP--  
DETERMINATION MADE BY EPA REGION IX (415)-974-8220  
(AGENCY) (PHONE)  
BOB BAKER  
(AGENCY CONTACT PERSON)

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

GEOHERMAL POWER PLANT 55.00 MM NET H2S 5.0000 LB/H BACT

NOTES -----  
EIC PROCESS ON STEAM PRETREATMENT, STRETFORD PROCESS FOR NON-CONDENSIBLE STREAM AND H2 O2/CATALYST FOR CONDENSATE TREATMENT. A  
LSO INCLUDES SURFACE CONDENSER AND TURBINE BYPASS TO PREVENT H2S

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- SYNFUELS/FUEL CONVERSION (NOT OIL SHALE)

COMPANY NAME/SITE LOCATION PACIFIC GAS & ELECTRIC CO., GEYSERS UNI\*

, CA

LAKE COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.

PERMIT NO. NSR 4-4-1 NC 81-02

DETERMINATION MADE BY EPA REGION IX

(AGENCY)

MATT HABER

(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 05/21/82

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

POWER PLANT

110.00 MM

H2S

7.5000 LB/H

BACT

CATALYST SYSTEM

STRETTFORD PROC./EMISSION PLAN

NOTES -----

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

PAGE 6- 559

ID NUMBER CA-0015A

SOURCE TYPE CODE 6.53

# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- SYNFUELS/FUEL CONVERSION (NOT OIL SHALE) 110.00 MW

COMPANY NAME/SITE LOCATION PACIFIC GAS & ELECT. CO. , CA SONOMA COUNTY  
GEYSERS UNIT 17

DETERMINATION IS BACT FOR A NEW SOURCE. DATE OF PERMIT ISSUANCE-- 01/08/80  
PERMIT NO. NC-79-01 ESTIMATED DATE OF START-UP--  
DETERMINATION MADE BY EPA REGION IX BOB BAKER (415)-974-8220  
(AGENCY) (AGENCY CONTACT PERSON) (PHONE)

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

GEOTHERMAL UNIT 17 110.00 MW H2S 0.1200 KG/H SURFACE CONDENSER/STRETTFORD PROCESS SYS 90.00

NOTES -----  
GEOTHERMAL POWER PLANT

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- SYNFUELS/FUEL CONVERSION (NOT OIL SHALE) 55.00 MW

COMPANY NAME/SITE LOCATION SACRAMENTO MUNICIPAL UTILITIES DIST. MUNICIPAL UTILITIES DISTRICT\*, CA SONOMA COUNTY  
SMUDGE #1

DETERMINATION IS BACT FOR A NEW SOURCE. DATE OF PERMIT ISSUANCE-- 05/05/81  
PERMIT NO. NC-80-01 ESTIMATED DATE OF START-UP--  
DETERMINATION MADE BY EPA REGION IX BOB BAKER (415)-974-8220  
(AGENCY) (AGENCY CONTACT PERSON) (PHONE)

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

GEO THERMAL UNIT #1 0.55 MW H2S 8.0000 LB/H STRATFORD PROCESS UNIT 87.30

NOTES -----  
NON-CONDENSIBLE GAS STREAM -- STRETTFORD PROCESS UNIT -- CONDENSIBLES FROM SURFACE CONDENSER - H2O2/FES04 SYS

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE-- SYNTHETIC FIBERS

COMPANY NAME/SITE LOCATION GLOBE MANUFACTURING CO.

GASTONIA, NC

GASTON COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.

PERMIT NO. 2106R4

DETERMINATION MADE BY

NORTH CAROLINA DEM  
(AGENCY)

MIKE SEWELL  
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 02/01/83  
ESTIMATED DATE OF START-UP-- 1983  
(918)-733-7015  
(PHONE)

PROCESSES SUBJECT  
TO THIS PERMIT

THROUGHPUT  
CAPACITY

POLLUTANT  
EMITTED

EMISSION LIMITS  
CONTROL EQUIPMENT OR PROCESS MODIFICATION

... & BASIS  
... PCT EFF

ELASTIC FIBER EXTRUDING LINES 425.00 LB/H

VOC

75.0000 % ANNUAL AV RED.  
2 CARBON BED ADSORB. UNITS

78.00

## NOTES

THERE NO ECONOMICALLY IDENTIFIABLE CONTROL OPTIONS TO IMPROVE SOLVENT RECOVERY FROM THIS TYPE PROCESS. THEREFORE, THE CARBON A  
DSORPTION SYSTEM WITH AN ANNUAL AVERAGE VOC REDUCTION OF 75% IS REPRESENTATIVE OF BACT.  
THIS SOURCE CONSIST OF FOUR EXTRUDING LINES OF 8 CARBON BED UNITS.

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- SYNTHETIC RUBBER/RUBBER TIRES

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 ROMAINE

(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 09/16/82

ESTIMATED DATE OF START-UP--

(217)-782-2113

(PHONE)

PROCESSES SUBJECT TO THIS PERMIT

THROUGHPUT CAPACITY

POLLUTANT EMITTED

EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION

... & BASIS ... PCT EFF

BOILER

150.00 MMBTU/H

PM

0.0600 LB/MMBTU

CYCLONE & BAGHOUSE

99.00

SO2

1.2000 LB/MMBTU

FLUIDIZED LIMESTONE BED

NSPS

NOX

0.6000 LB/MMBTU

EQUIPMENT DESIGN

85.00

CO

400.0000 PPM

EQUIPMENT DESIGN

HSFS

NOTES -----

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

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

PAGE 6- 563

ID NUMBER IL-0021

SOURCE TYPE CODE 6.55

# APPENDIX -- DETAILED SOURCE LISTING

04/29/1993

SOURCE TYPE/SIZE--- SYNTHETIC RUBBER/RUBBER TIRES 27700.00 LB/H INPUT

COMPANY NAME/SITE LOCATION FIRESTONE TIRE CO. WILSON, NC

DETERMINATION IS FOR A NEW SOURCE. DATE OF PERMIT ISSUANCE--  
 PERMIT NO. NC-024 ESTIMATED DATE OF START-UP--  
 DETERMINATION MADE BY NORTH CAROLINA DEM MIKE SEWELL (919)-733-6126  
 (AGENCY) (AGENCY CONTACT PERSON) (PHONE)

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

TIRE PROCESS LINES 27700.00 LB/H PM 11.1000 LB/H BAGHOUSE AND CYCLONE BACT 90.00  
 BOILER S02 106.0000 LB/H 1.0% SULFUR OIL BACT

NOTES -----

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.



# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- VINYL CHLORIDE/POLYVINYL CHLORIDE 81000.00 LB/H EDC

COMPANY NAME/SITE LOCATION B.F. GOODRICH  
HWY. 1523  
CALVERT CITY, KY 42029  
MARSHALL COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.  
PERMIT NO. KY 149  
DETERMINATION MADE BY KENTUCKY DAPC  
(AGENCY)  
BILL DILLS  
(AGENCY CONTACT PERSON)  
DATE OF PERMIT ISSUANCE-- 02/06/81  
ESTIMATED DATE OF START-UP-- 1982  
(502)-564-3382  
(PHONE)

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

EDC/VCM MANUFACTURING 81000.00 LB/H EDC VC 10.0000 PPM NESH  
INCINERATOR 99.00  
NOX 0.2300 LB/MMBTU BACT  
FIREBOX DESIGN/LIM. EXCESS AIR

NOTES -----  
BASED ON NESHAP

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- VINYL CHLORIDE/POLYVINYL CHLORIDE 404.00 MMLB/YR PVC  
 COMPANY NAME/SITE LOCATION B.F. GOODRICH CHEMICAL PEDRICKTOWN, NJ 08067 SALEH COUNTY  
 RT 130 -- PORCUPINE RD.

DETERMINATION IS BACT FOR A MODIFIED SOURCE. DATE OF PERMIT ISSUANCE-- 07/25/80  
 PERMIT NO. ESTIMATED DATE OF START-UP-- 1981  
 DETERMINATION MADE BY EPA REGION II LARRY KARAS (212)-264-9538  
 (AGENCY) (AGENCY CONTACT PERSON) (PHONE)

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

NOTES -----

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- VINYL CHLORIDE/POLYVINYL CHLORIDE 404.00 MMLB/YR

COMPANY NAME/SITE LOCATION B.F. GOODRICH CHEMICAL PEDRICKTOWN, NJ

DETERMINATION IS BACT FOR A MODIFIED SOURCE. DATE OF PERMIT ISSUANCE-- 10/06/82  
 PERMIT NO. ESTIMATED DATE OF START-UP--  
 DETERMINATION MADE BY EPA REGION II PETER FLYNN (609)-264-2611  
 (AGENCY) (AGENCY CONTACT PERSON) (PHONE)

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

SUSPENSION RESIN PRODUCTION LINE 260.00 MMLB/YR

|    |                                                                     |
|----|---------------------------------------------------------------------|
| VC | 400.0000 PPM DAILY AV<br>25.0000 PPM, ANNUAL AVG<br>STEAM STRIPPING |
|----|---------------------------------------------------------------------|

MONOMER RECOVERY

|    |                                                  |
|----|--------------------------------------------------|
| VC | 10.0000 PPM<br>SOLVENT ABSORB. SYS/BACKUP INCIN. |
|----|--------------------------------------------------|

REACTOR OPENING LOSS

|    |                                                         |
|----|---------------------------------------------------------|
| VC | 0.0200 G/KG<br>STEAM STRIPPING<br>CLOSED POLYTECHNOLOGY |
|----|---------------------------------------------------------|

DISPERSION RESIN LINE

|    |                                                              |
|----|--------------------------------------------------------------|
| VC | 1350.0000 PPM/YR AV<br>2000.0000 PPM/D AV<br>STEAM STRIPPING |
|----|--------------------------------------------------------------|

DRYER FACILITY

|    |                           |
|----|---------------------------|
| PM | 0.0200 GR/SCF<br>BAGHOUSE |
|----|---------------------------|

SIP

(CONTINUED) B.F. GOODRICH CHEMICAL  
=====

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

-----

RELIEF VALVE DISCHARGE

VC

COMPUTER REACTION CONTROLLER

NOTES -----

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- VINYL CHLORIDE/POLYVINYL CHLORIDE 275000.00 T/YR

COMPANY NAME/SITE LOCATION B.F. GOODRICH CO. CALVERT CITY, KY

DETERMINATION IS BACT FOR A MODIFIED SOURCE. DATE OF PERMIT ISSUANCE-- 05/27/82  
 PERMIT NO. C-82-65 ESTIMATED DATE OF START-UP--  
 DETERMINATION MADE BY KENTUCKY EPA (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 |
|----------------------------------|---------------------|-------------------|-----------------------------------------------------------|-------------------------|
| FLUID BED DRYERS, 2              | 100000.00 LB/H      | PM                | 4.4800 LB/H<br>18.7400 T/YR<br>WET SCRUBBER               | BACT<br>99.90           |
| PVC STORAGE SILOS, 4             | 438000.00 T/YR      | PM                | 1.8400 LB/H<br>2.5900 T/YR                                | BACT                    |
| BULK PVC STORAGE SILOS, 8        | 584000.00 T/YR      | PM                | 4.2900 LB/H<br>1.5900 T/YR                                | BACT                    |
| REACTOR OPENING VENT             | 275000.00 T/YR      | VCM               | 20.0000 LB/MMLB PVC                                       | BACT                    |
| BLEND TANKS, 3                   |                     | VCM               | 0.0400 LB/H<br>27.5000 T/YR                               | BACT                    |
| PLANT FUGITIVES                  |                     | VCM               | 27.5000 T/YR                                              |                         |

NOTES -----  
 INCINERATOR NOT USED UNDER PERMIT # C-82-65.

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- VINYL CHLORIDE/POLYVINYL CHLORIDE 957.00 MT/YR

COMPANY NAME/SITE LOCATION FORMOSA PLASTICS POINT COMFORT, TX CALHOUN COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.  
 PERMIT NO. (REGION FILE NO.) PSD-TX-226  
 DETERMINATION MADE BY EPA REGION VI  
 (AGENCY)  
 TOM DIGGS  
 (AGENCY CONTACT PERSON)  
 DATE OF PERMIT ISSUANCE-- 11/18/81  
 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 |
|----------------------------------|---------------------|-------------------|-----------------------------------------------------------|-------------------------|
|----------------------------------|---------------------|-------------------|-----------------------------------------------------------|-------------------------|

|               |               |     |                                        |      |
|---------------|---------------|-----|----------------------------------------|------|
| BOILERS, 5 EA | 80.00 MMBTU/H | NOX | 0.1100 LB/MMBTU<br>LOW NOX BURNERS     | BACT |
|               |               | VOC | 0.0029 LB/MMBTU<br>FLUE GAS O2 CONTROL | BACT |

|            |                  |     |                                        |      |
|------------|------------------|-----|----------------------------------------|------|
| HEATERS, 2 | 21.00 MMBTU/H EA | NOX | 0.1800 LB/MMBTU<br>LOW NOX BURNERS     | BACT |
|            |                  | VOC | 0.0040 LB/MMBTU<br>FLUE GAS O2 CONTROL | BACT |

|           |                  |     |                                        |      |
|-----------|------------------|-----|----------------------------------------|------|
| INCIN., 2 | 22.00 MMBTU/H EA | NOX | 0.1200 LB/MMBTU<br>LOW NOX BURNERS     | BACT |
|           |                  | VOC | 0.0200 LB/MMBTU<br>FLUE GAS O2 CONTROL | BACT |

|              |               |     |                                        |      |
|--------------|---------------|-----|----------------------------------------|------|
| EPC CRACKERS | 57.00 MMBTU/H | NOX | 0.1500 LB/MMBTU<br>LOW NOX BURNERS     | BACT |
|              |               | VOC | 0.0029 LB/MMBTU<br>FLUE GAS O2 CONTROL | BACT |

(CONTINUED) FORMOSA PLASTICS

| PROCESSES SUBJECT<br>TO THIS PERMIT | THROUGHPUT<br>CAPACITY | POLLUTANT<br>EMITTED | EMISSION LIMITS<br>CONTROL EQUIPMENT OR PROCESS MODIFICATION | ... & BASIS<br>... PCT EFF |
|-------------------------------------|------------------------|----------------------|--------------------------------------------------------------|----------------------------|
| PVC DRYERS                          |                        | VOC                  | 21.0000 LB/H<br>400 PPM VCM IN PVC SLURRY                    | BACT                       |
| COOLING TOWER                       |                        | VOC                  | 0.1800 LB/H<br>SAMPL. H2O FOR VCM/5PPB HC LIM                | BACT                       |
| VALVES                              |                        | VOC                  | 2.1000 LB/H<br>MAINTENANCE PROGRAM                           | BACT                       |
| FLANGES                             |                        | VOC                  | 2.1400 LB/H<br>MAINTENANCE PROGRAM                           | BACT                       |
| PUMPS                               |                        | VOC                  | 0.1400 LB/H<br>DOUB. MECH. SEALS & INCIN                     | BACT                       |
| COMPRESSOR                          |                        | VOC                  | 0.0900 LB/H<br>DOUB. MECH. SEALS & INCIN                     | BACT                       |
| STARTUP/SHUTDOWN                    |                        | VOC                  | 0.1100 LB/H<br>COMPLIANCE FROM NESHAPS                       | BACT                       |
| WATER TREATMENT                     |                        | VOC                  | 0.1100 LB/H<br>STEAM STRIP WASTEWATER                        | BACT                       |
| GAS HOLDER I                        |                        | VOC                  | 0.0400 LB/H<br>PURGE TO BOILER/INCIN                         | BACT                       |
| GAS HOLDER II                       |                        | VOC                  | 0.0020 LB/H<br>PURGE TO BOILER/INCIN                         | BACT                       |

NOTES -----

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- VINYL CHLORIDE/POLYVINYL CHLORIDE 350.00 MT/YR

COMPANY NAME/SITE LOCATION SHINLOCH, INC.  
5618 HIGHWAY 352 EAST  
FREEPORT, TX 77541

DETERMINATION IS BACT FOR A MODIFIED SOURCE.  
PERMIT NO. (REGION FILE NO.) PSD-TX-327  
DETERMINATION MADE BY EPA REGION VI  
(AGENCY)  
JOE WINKLER  
(AGENCY CONTACT PERSON)  
DATE OF PERMIT ISSUANCE-- 01/05/81  
ESTIMATED DATE OF START-UP--  
(214)-767-1594  
(PHONE)

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

|              |               |     |                                    |      |
|--------------|---------------|-----|------------------------------------|------|
| STEAM BOILER | 55.00 MMBTU/H | NOX | 0.1200 LB/MMBTU<br>LOW NOX BURNERS | BACT |
| STEAM BOILER | 55.00 MMBTU/H | NOX | 0.1200 LB/MMBTU<br>LOW NOX BURNERS | BACT |

NOTES -----

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.



# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- VINYL CHLORIDE/POLYVINYL CHLORIDE 350.00 MT/YR  
 COMPANY NAME/SITE LOCATION SHINTECH, INC. FREEPORT, TX BRAZORIA COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.  
 PERMIT NO. PSD-TX-285  
 DETERMINATION MADE BY EPA REGION VI JOHN BUNYAK DATE OF PERMIT ISSUANCE-- 03/17/80  
 (AGENCY) (AGENCY CONTACT PERSON) (214)-767-1594 ESTIMATED DATE OF START-UP-- 1981  
 (PHONE)

| PROCESSES SUBJECT TO THIS PERMIT | THROUGHPUT CAPACITY | POLLUTANT EMITTED | EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION | ... & BASIS ... PCT EFF |
|----------------------------------|---------------------|-------------------|-----------------------------------------------------------|-------------------------|
| DRYER STACKS, 2                  |                     | PM                | 1.8000 LB/H EA                                            |                         |
| REACTOR VENT FAN                 |                     | PM                |                                                           |                         |
| PNEUMATIC VENTS, 7               |                     | PM                | 1.0600 LB/H EA                                            |                         |
| INCIN. STACKS, 2                 |                     | PM                |                                                           |                         |
| BOILER, 2                        | 55.00 MMBTU/H EA    | PM                | 0.3000 LB/H                                               |                         |
| FUGITIVES                        |                     | PM                |                                                           |                         |

NOTES -----

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- ALCOHOL FUEL PRODUCTION 40.00 MMGAL/YR  
 COMPANY NAME/SITE LOCATION AM. MODERN FOOD ENERGY SYS AMES, IA STORY COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE. DATE OF PERMIT ISSUANCE-- 04/15/81  
 PERMIT NO. ESTIMATED DATE OF START-UP--  
 DETERMINATION MADE BY EPA REGION VII (816)-374-6525  
 (AGENCY) DANIEL RODRIGUEZ (PHONE)  
 (AGENCY CONTACT PERSON)

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

BOILER, PULV. COAL 150.00 MMBTU/H  
 SO2 2.0000 LB/MMBTU BACT  
 LOW SULFUR WESTERN COAL  
 NOX 0.7000 LB/MMBTU BACT  
 LOW EXCESS AIR, STAGED BURN  
 PM 0.0300 LB/MMBTU NOTE  
 FABRIC FILTER  
 TWO BOILERS, OIL/GAS 94.50 MMBTU/H EA  
 SO2 0.5000 LB/MMBTU BACT  
 #2 FUEL OIL (IF NO NAT. GAS)  
 NOX 0.2500 LB/MMBTU OIL BACT  
 0.2000 LB/MMBTU N.G.  
 PM 0.0300 LB/MMBTU NOTE  
 FABRIC FILTER  
 MISCELLANEOUS BAGHOUSES  
 PM 0.0011 G/SCF

NOTES  
 THE PLANT'S STEAM PRODUCTION CAPACITY IS 275000 LB/HR. THE PERMITS LIMITS S TEAM PROD. TO 165000 LB/HR. BECAUSE AMPFES'S MODEL  
 ING STUDIES WERE BASED ON THI S LEVEL OF OPERATION. THE P.M. LIMITS ARE NOT BACT. THE LIMITS WERE IMPOSED BECAUSE THE APP  
 LICANT BASED A P.M. NON-APPLICABILITY DETERMINATION ON THIS EMISSION RATE. PERMIT AMENDED 05/15/81.

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

SOURCE TYPE CODE 6.61

ID NUMBER IA-0003

PAGE G- 574

# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- ALCOHOL FUEL PRODUCTION 10.20 MMGAL/YR  
 COMPANY NAME/SITE LOCATION CONSOLIDATED ENERGY GROUP, LTD.  
 GOWRIE, IA WEBSTER COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.  
 PERMIT NO. DATE OF PERMIT ISSUANCE-- 11/13/81  
 DETERMINATION MADE BY EPA REGION VII ESTIMATED DATE OF START-UP--  
 CHARLES WHITMORE (816)-374-6525  
 (AGENCY CONTACT PERSON) (PHONE)

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

BOILER, COAL FIRED, STOKER 113.00 MMBTU/H  
 SO2 2.0000 LB/MMBTU LOW SULFUR COAL BACT  
 NOX 0.6000 LB/MMBTU BACT  
 PM 0.0300 LB/MMBTU DESIGN FEATURES STOKER FEEDER BACT  
 14.9000 T/YR STAGED COMBUST. BAGHOUSE  
 COAL HANDLING  
 PM 1.1200 T/YR DUST SUPPRESSANT BACT  
 GRAIN HANDLING  
 PM 4.2200 T/YR FABRIC FILTER BACT  
 DOGS VENT  
 PM 35.0400 T/YR EXPANSION CHAMBER BACT

(CONTINUED) CONSOLIDATED ENERGY GROUP, LTD.

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

ENTIRE FACILITY

|     |               |                          |      |
|-----|---------------|--------------------------|------|
| VOC | 115.0000 T/YR | SCRUBBERS, FLOATING ROOF | BACT |
|-----|---------------|--------------------------|------|

NOTES -----  
8760 HOURS/YR OPERATION

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- ALCOHOL FUEL PRODUCTION

COMPANY NAME/SITE LOCATION DUPONT

WHITE RIVER TOWNSHIP, MI

MUSKEGON COUNTY

DETERMINATION IS LAER FOR A NEW SOURCE.  
 PERMIT NO. 756-79  
 DETERMINATION MADE BY MICHIGAN DNR  
 (AGENCY)

DATE OF PERMIT ISSUANCE-- 07/15/80  
 ESTIMATED DATE OF START-UP-- 1980  
 (517)-302-1333  
 (PHONE)

DANITA BRANDT  
 (AGENCY CONTACT PERSON)

PROCESSES SUBJECT  
 TO THIS PERMIT

THROUGHPUT  
 CAPACITY

POLLUTANT  
 EMITTED

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

FREON 22 MFG

VOC 205.0000 LB/H

NO VISIBLE CONTROLS

NOTES -----  
 FREON 23 HAS LOW REACTIVITY

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

PAGE G- 577

ID NUMBER MI-0010

SOURCE TYPE CODE 6.61

# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- ALCOHOL FUEL PRODUCTION 23.00 MMGAL/YR ETHENOL  
 COMPANY NAME/SITE LOCATION MAPEE ALCOHOL FUEL, INC. CACTUS, TX MOORE COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE. DATE OF PERMIT ISSUANCE-- 03/27/81  
 PERMIT NO. (REGION FILE NO.) PSD-TX-374 ESTIMATED DATE OF START-UP--  
 DETERMINATION MADE BY EPA REGION VI (214)-767-1594  
 (AGENCY) TOM DIGGS (PHONE)  
 (AGENCY CONTACT PERSON)

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

|                             |                  |     |                                |            |
|-----------------------------|------------------|-----|--------------------------------|------------|
| PROCESS STM GEN, COAL FIRED | 174.10 MMBTU/H   | PM  | 0.0370 LB/MMBTU FABRIC FILTERS | BACT       |
|                             |                  | NOX | 0.7000 LB/MMBTU                | BACT       |
|                             |                  | S02 | LOW EXCESS AIR                 | BACT       |
|                             |                  |     | 0.6800 LB/MMBTU                | BACT       |
|                             |                  |     | LOW SULFUR COAL                | BACT       |
| AUXILIARY BOILER, NAT. GAS  | 35.00 MMBTU/H    | PM  | 0.0100 LB/MMBTU                | BACT       |
|                             |                  | NOX | USE OF NAT. GAS FUEL           | BACT       |
|                             |                  |     | 0.0006 LB/MMBTU                | BACT       |
|                             |                  | S02 | LOW EXCESS AIR                 | BACT       |
|                             |                  |     | 0.0006 LB/MMBTU                | BACT       |
|                             |                  |     | USE OF NAT. GAS FUEL           | BACT       |
| DRYERS, 2 NAT. GAS FIRED    | 31.40 MMBTU/H EA | PM  | 0.1800 LB/MMBTU                | BACT       |
|                             |                  | NOX | 2 CYCLONES IN SERIES           | 85.00 BACT |
|                             |                  |     | 0.1100 LB/MMBTU                | BACT       |
|                             |                  | S02 | LOW EXCESS AIR                 | BACT       |
|                             |                  |     | 0.0006 LB/MMBTU                | BACT       |
|                             |                  |     | USE OF NATURAL GAS AS FUEL     | BACT       |

(CONTINUED) MAPEE ALCOHOL FUEL, INC.

| PROCESSES SUBJECT<br>TO THIS PERMIT | THROUGHPUT<br>CAPACITY | POLLUTANT<br>EMITTED | EMISSION LIMITS<br>CONTROL EQUIPMENT OR PROCESS MODIFICATION | ... & BASIS<br>... PCT EFF |
|-------------------------------------|------------------------|----------------------|--------------------------------------------------------------|----------------------------|
| 3 GRAIN CONVERGING POINTS           |                        |                      |                                                              |                            |
| TRANSFER OF MILO                    |                        | PM                   | 0.0030 LB/H EA<br>BAG FILTERS                                | BACT<br>99.90              |
| MILO INLOADING & HANDLING           |                        | PM                   | 0.0440 LB/H<br>BAG FILTERS                                   | BACT<br>99.90              |
| GRAIN CONVEY, STORAGE TO TRUCK      |                        | PM                   | 0.8800 LB/H<br>BAG FILTERS                                   | BACT<br>99.90              |
| GRAIN PELLET CONVEY TO RR CAR       |                        | PM                   | 0.0200 LB/H<br>BAG FILTERS                                   | BACT<br>99.90              |
| GRAIN PELLET CONVEY TO COOLER       |                        | PM                   | 0.0980 LB/H<br>CYCLONE                                       | BACT<br>99.50              |
| 4 MILLING OF MILO POINTS            |                        | PM                   | 0.2300 LB/H<br>CYCLONE                                       | BACT<br>99.50              |
| 2 TRANSFER OF MILO POINTS           |                        | PM                   | 1.1000 LB/H EA<br>BAG FILTER                                 | BACT<br>99.90              |
| 2 H2SO4 STORAGE TANKS               |                        | PM                   | 0.1600 LB/H EA<br>BAG FILTER                                 | BACT<br>99.90              |
| TRUCK LOADING OF BOILER ASH         |                        | SO2                  | 0.0400 LB/H EA<br>SINGLE VENT W/DSCATOR                      | BACT                       |
|                                     |                        | PM                   | 6.3000 LB/H<br>BAG FILTER                                    | BACT<br>99.50              |

(CONTINUED) MAPEE ALCOHOL FUEL, INC.

| PROCESSES SUBJECT<br>TO THIS PERMIT | THROUGHPUT<br>CAPACITY | POLLUTANT<br>EMITTED | EMISSION LIMITS<br>CONTROL EQUIPMENT OR PROCESS MODIFICATION | ... & BASIS<br>... PCT EFF |
|-------------------------------------|------------------------|----------------------|--------------------------------------------------------------|----------------------------|
| TRANSFER OF ASH                     |                        | PM                   | 0.3200 LB/H<br>BAG FILTER                                    | BACT<br>99.50              |
| COAL UNLOAD                         |                        | PM                   | 0.3000 LB/H<br>BAG FILTER                                    | BACT<br>99.90              |
| COAL HANDLING #1                    |                        | PM                   | 0.6000 LB/H<br>BAG FILTER                                    | BACT<br>99.90              |
| COAL HANDLING #2                    |                        | PM                   | 0.0520 LB/H<br>BAG FILTER                                    | BACT<br>99.90              |

NOTES -----

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.



# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

10.00 MMGAL/YR

ALCOHOL FUEL PRODUCTION

SOURCE TYPE/SIZE---

LINCOLN, NE

NEBRASKA ALCOHOL FUEL CORP.  
84TH & FLETCHER

COMPANY NAME/SITE LOCATION

DATE OF PERMIT ISSUANCE-- 09/21/82  
ESTIMATED DATE OF START-UP--  
(402)-471-2189  
(PHONE)

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

GENE ROBINSON  
(AGENCY CONTACT PERSON)

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

BOILER

66.35 MMBTU/H

S02 1.1600 LB/MMBTU

LOW S FUEL

PM 0.0500 LB/MMBTU

FABRIC FILTER

N02 0.5000 LB/MMBTU

BOILER DESIGN

99.00

NOTES -----

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

PAGE 6- 501

ID NUMBER NE-0005

SOURCE TYPE CODE 6.61

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- ALCOHOL FUEL PRODUCTION

COMPANY NAME/SITE LOCATION NEW ENERGY CORP.

SOUTH BEND, IN

DETERMINATION IS BACT FOR A NEW SOURCE.  
PERMIT NO. EPA-5-A-82-1  
DETERMINATION MADE BY EPA REGION V  
(AGENCY)

DATE OF PERMIT ISSUANCE-- 12/03/81  
ESTIMATED DATE OF START-UP-- 1984  
(312)-886-6054  
(PHONE)

BONIFACE THAYIL  
(AGENCY CONTACT PERSON)

PROCESSES SUBJECT  
TO THIS PERMIT

POLLUTANT  
EMITTED

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

COAL-FIRED BOILER 342.60 MMBTU/H

SO2 1.2000 LB/MMBTU 3 H AV  
NOX 0.7000 LB/MMBTU  
PM 0.0300 LB/MMBTU  
BAGHOUSE

LAER  
99.70

OIL-FIRED BOILER 176.00 MMBTU/H

SO2 0.3100 LB/MMBTU  
PM 0.0200 LB/MMBTU  
NOX 0.6000 LB/MMBTU  
MAX 0.3% SULFUR OIL

LAER

NOTES -----

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- ALCOHOL FUEL PRODUCTION

COMPANY NAME/SITE LOCATION PEAT METHANOL ASSOCIATES

NEAR CRESWELL, NC

WASHINGTON COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.

PERMIT NO. 4930

DETERMINATION MADE BY NORTH CAROLINA DEM  
(AGENCY)

MIKE SEWELL  
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 06/07/82  
ESTIMATED DATE OF START-UP-- 1985  
(919)-733-6126  
(PHONE)

PROCESSES SUBJECT  
TO THIS PERMIT

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

THROUGHPUT  
CAPACITY

PEAT DRYER

52.50 MMBTU/H

PM

3.2000 LB/H

CYCLONE/ESP

98.80

S02

10.7000 LB/H

0.2000 LB/MMBTU

.26% LOW S PEAT

PEAT BOILER

300.00 MMBTU/H

PM

9.7000 LB/H

0.0330 LB/MMBTU

BAGFILTER

98.00

S02

153.0000 LB/H

0.5100 LB/MMBTU

.26% LOW S PEAT

SULFUR RECOVERY

S02

23.0000 LB/H

CLAUS/SCOT PLANT

99.90

NOTES -----

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

PAGE 6- 583

ID NUMBER NC-0024

SOURCE TYPE CODE 6.61

# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- ALCOHOL FUEL PRODUCTION 20.00 MMGAL/YR  
 COMPANY NAME/SITE LOCATION ROCK ISLAND LIQUID FUELS, INC. ROCK ISLAND, IL ROCK ISLAND COUNTY  
 DETERMINATION IS FOR A NEW SOURCE. DATE OF PERMIT ISSUANCE-- 02/01/82  
 PERMIT NO. 81100017 ILLINOIS EPA ESTIMATED DATE OF START-UP--  
 DETERMINATION MADE BY CHRIS ROMAINE (217)-782-2113  
 (AGENCY) (AGENCY CONTACT PERSON) (PHONE )

PROCESSES SUBJECT TO THIS PERMIT THROUGHPUT CAPACITY POLLUTANT EMITTED EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION ... & BASIS ... PCT EFF  
 GRAIN HANDLING & STORAGE 8.00 MMBU/YR CORN PM 4.5300 LB/H  
 DISTILLATION ETHANOL STORAGE VOC 2.1800 LB/H  
 NAT. GAS FIRED BOILER NOX 4.5000 LB/H  
 CO 0.4300 LB/H  
 SO2 0.0200 LB/H

NOTES -----  
 NON-MAJOR PROJECT DEEMED CONTROVERSIAL DUE TO PUBLIC INTEREST. PUBLIC HEARING HELD.

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

# APPENDIX -- DETAILED SOURCE LISTINGS

04/29/1983

SOURCE TYPE/SIZE--- OTHER CHEMICAL 88000.00 T/YR

COMPANY NAME/SITE LOCATION AIRCO CARBIDE, DIV. OF AIRCO, INC. CALVERT CITY, KY

DETERMINATION IS FOR A NEW SOURCE. DATE OF PERMIT ISSUANCE-- 09/06/80  
 PERMIT NO. C-80-28 ESTIMATED DATE OF START-UP-- 1981  
 DETERMINATION MADE BY KENTUCKY DAPC (502)-564-3382  
 (AGENCY) (AGENCY CONTACT PERSON) (PHONE)

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

ELECTRIC ARC FURNACE 88000.00 T/YR PM PROCESS LIMITED

NOTES -----

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

15900.00 T/YR

OTHER CHEMICAL

SOURCE TYPE/SIZE---

COMPANY NAME/SITE LOCATION AIRCO SPEED

ST. MARY'S, PA

ELK COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.

PERMIT NO. 80PA06

DETERMINATION MADE BY EPA REGION III

(AGENCY)

VERNON BUTLER

(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 05/20/81

ESTIMATED DATE OF START-UP-- 1981

(215)-597-2711

(PHONE)

PROCESSES SUBJECT

TO THIS PERMIT

THROUGHPUT

CAPACITY

POLLUTANT

EMITTED

EMISSION LIMITS

CONTROL EQUIPMENT OR PROCESS MODIFICATION

... & BASIS

... PCT EFF

GRAPHITIZING FURNACE

15.90 MT/YR

PM

18.3000 LB/H

BACT

INCINERATION (AFTER BURNER)

30.5000 LB/H

BACT

545.0000 LB/H

BACT

5.3000 LB/H

BACT

55.5000 LB/H

BACT

NOTES -----

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

PAGE 6- 586

ID NUMBER PA-0009

SOURCE TYPE CODE 6.62

# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- OTHER CHEMICAL

COMPANY NAME/SITE LOCATION AIRCO SPEER

ST. MARY'S, PA

ELK COUNTY

DETERMINATION IS FOR A NEW SOURCE.

PERMIT NO. 79-PA-26

DETERMINATION MADE BY EPA REGION III

(AGENCY)

VERNON BUTLER

(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 08/15/80

ESTIMATED DATE OF START-UP-- 1980

(215)-597-2711

(PHCNE)

PROCESSES SUBJECT TO THIS PERMIT

THROUGHPUT CAPACITY

POLLUTANT EMITTED

EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION

... & BASIS ... PCT EFF

COKE BURNING KILN, 2

75.00 MLB/H

PM

1.7400 LB/H

BAGHOUSE/INCINERATOR

BACT

99.80

BACT

0.4400 LB/H

% SULFUR IN COKE

BACT

0.0800 LB/H

1.7400 LB/H

BAGHOUSE/INCINERATOR

BACT

99.80

BACT

0.4400 LB/H

% SULFUR IN COKE

BACT

0.0800 LB/H

NOTES

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

PAGE 6- 587

ID NUMBER PA-0008

SOURCE TYPE CODE 6.62

# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

|                                         |                     |                                    |                                                                                   |
|-----------------------------------------|---------------------|------------------------------------|-----------------------------------------------------------------------------------|
| SOURCE TYPE/SIZE---                     |                     | OTHER CHEMICAL                     |                                                                                   |
| -----                                   |                     |                                    |                                                                                   |
| COMPANY NAME/SITE LOCATION              |                     | AIRCO SPEER CARBON GRAPHITE        |                                                                                   |
|                                         |                     | , LA                               |                                                                                   |
| -----                                   |                     |                                    |                                                                                   |
| DETERMINATION IS BACT FOR A NEW SOURCE. |                     | DATE OF PERMIT ISSUANCE-- 06/05/80 |                                                                                   |
| PERMIT NO. LA-283                       |                     | ESTIMATED DATE OF START-UP--       |                                                                                   |
| DETERMINATION MADE BY                   |                     | (214)-767-1594                     |                                                                                   |
| EPA REGION VI                           |                     | (PHONE)                            |                                                                                   |
| (AGENCY)                                |                     |                                    |                                                                                   |
| JOHN BUNYAK                             |                     |                                    |                                                                                   |
| (AGENCY CONTACT PERSON)                 |                     |                                    |                                                                                   |
| -----                                   |                     |                                    |                                                                                   |
| PROCESSES SUBJECT TO THIS PERMIT        | THROUGHPUT CAPACITY | POLLUTANT EMITTED                  | EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION ... & BASIS ... PCT EFF |
| -----                                   |                     |                                    |                                                                                   |
| DUST COLLECTOR Q.C. & I. LAB.           |                     | PM                                 | 0.2100 LB/H<br>BAGFILTERS<br>BACT 99.00                                           |
| DUST COLLECTOR, MAINTENANCE AND*        |                     | PM                                 | 0.1300 LB/H<br>BAGFILTERS<br>BACT 99.00                                           |
| DUST COLLECTOR, PROCESS MATERIA*        | 3.10 MMBTU/H        | PM                                 | 1.2900 LB/H<br>BAGFILTER<br>BACT 99.80                                            |
|                                         |                     | CO                                 | 0.0500 LB/H<br>NONE<br>BACT                                                       |
| DUST COLLECTOR, PROCESS MATERIA*        |                     | PM                                 | 1.0300 LB/H<br>BAGFILTER<br>BACT 99.90                                            |
| SILO VENT FILTER, PROCESS MATER*        |                     | PM                                 | 0.0700 LB/H EA<br>BAGFILTER<br>BACT 99.90                                         |



(CONTINUED) AIRCO SPEER CARBON GRAPHITE

| PROCESSES SUBJECT<br>TO THIS PERMIT | THROUGHPUT<br>CAPACITY       | POLLUTANT<br>EMITTED | EMISSION LIMITS<br>CONTROL EQUIPMENT OR PROCESS MODIFICATION | ... & BASIS<br>... PCT EFF |
|-------------------------------------|------------------------------|----------------------|--------------------------------------------------------------|----------------------------|
| DUST COLLECTOR, FINISHING & SHI*    |                              | PM                   | 1.2900 LB/H<br>BAGFILTER                                     | BACT<br>99.80              |
| CONDENSER, PRIMARY PITCH TANKS *    |                              | PM                   | 0.0400 LB/H EA<br>CONDENSER VAPOR RECOVERY                   | BACT<br>99.00              |
| PREHEATER COMBUSTION STACKS P.I*    | 0.40 M <sup>3</sup> BTU/H EA | PM                   | TRACE EA<br>NONE                                             | BACT                       |
|                                     |                              | SO <sub>2</sub>      | TRACE EA<br>NONE                                             | BACT                       |
|                                     |                              | CO                   | TRACE EA<br>NONE                                             | BACT                       |
|                                     |                              | H <sub>2</sub> S     | TRACE EA<br>NONE                                             | BACT                       |
| CONDENSER, SECONDARY PITCH TANK*    |                              | PM                   | 0.0100 LB/H EA<br>VAPOR RECOVERY                             | BACT<br>99.00              |
| DUST COLLECTOR MILL, MIX AND EX*    |                              | PM                   | 1.3700 LB/H EA<br>BAGFILTER                                  | BACT<br>99.80              |
| DUST COLLECTOR MILL, MIX AND EX*    |                              | PM                   | 0.6900 LB/H<br>BAGFILTER                                     | BACT<br>99.80              |
| SILLO VENT FILTER MILL, MIX & EX*   |                              | PM                   | 0.0500 LB/H EA<br>BAGFILTER                                  | BACT<br>99.00              |
| CONDENSER, PRIMARY PITCH TANK MI*   |                              | PM                   | 0.0400 LB/H EA<br>VAPOR RECOVERY                             | BACT<br>99.00              |

(CONTINUED) AIRCO SPEER CARBON GRAPHITE

| PROCESSES SUBJECT<br>TO THIS PERMIT | THROUGHPUT<br>CAPACITY | POLLUTANT<br>EMITTED | EMISSION LIMITS<br>CONTROL EQUIPMENT OR PROCESS MODIFICATION | ... & BASIS<br>... PCT EFF |
|-------------------------------------|------------------------|----------------------|--------------------------------------------------------------|----------------------------|
| CONDENSER PRIMARY TAR TANK MILL*    |                        | PM                   | 0.0500 LB/H<br>VAPOR RECOVERY                                | BACT<br>99.00              |
| SCRAP CRUSHINGS                     |                        | PM                   | 1.3700 LB/H<br>BAGFILTER                                     | BACT<br>99.80              |
| LOAD - UNLOAD                       |                        | PM                   | 0.6900 LB/H<br>BAGFILTER                                     | BACT<br>99.80              |
| LOAD - UNLOAD, 4                    |                        | PM                   | 1.3700 LB/H EA<br>BAGFILTER                                  | BACT<br>99.80              |
| CARBOTTOM BAKING, 4                 | 136.00 MMBTU/H EA      | PM                   | 17.8000 LB/H EA<br>INCIN.                                    | BACT                       |
|                                     |                        | SO2                  | 45.1300 LB/H EA                                              | BACT                       |
|                                     |                        | CO                   | 0.7% S OIL<br>0.4700 LB/H EA<br>NONE                         | BACT                       |
| SIDEBLOCK MFG.                      |                        | PM                   | 1.3700 LB/H<br>BAGFILTER                                     | BACT<br>99.70              |
| SILLO VENT FILTER GRAPHITIZING, *   |                        | PM                   | 0.0700 LB/H EA<br>BAGFILTER                                  | BACT<br>99.00              |
| MONITOR GRAPHITIZING, 4             |                        | PM                   | 18.5000 LB/H EA<br>NONE                                      | BACT                       |
|                                     |                        | SO2                  | 44.3100 LB/H EA                                              | BACT                       |
|                                     |                        | CO                   | 0.8% S COKE & ELECTRODES<br>1348.3000 LB/H<br>NONE           | BACT                       |
|                                     |                        | H2S                  | 46.0600 LB/H EA<br>0.8% S COKE & ELECTRODES                  | BACT                       |

(CONTINUED) AIRCO SPEER CARBON GRAPHITE

| PROCESSES SUBJECT<br>TO THIS PERMIT | THROUGHPUT<br>CAPACITY | POLLUTANT<br>EMITTED | EMISSION LIMITS<br>CONTROL EQUIPMENT OR PROCESS MODIFICATION | ... & BASIS<br>... PCT EFF |
|-------------------------------------|------------------------|----------------------|--------------------------------------------------------------|----------------------------|
| STACK GRAPHITIZING, 4               |                        |                      |                                                              |                            |
|                                     |                        | SO2                  | 81.0900 LB/H EA                                              | BACT                       |
|                                     |                        |                      | 0.8% S COKE & ELECTRODES                                     |                            |
|                                     |                        | CO                   | 6.6500 LB/H EA                                               | BACT                       |
|                                     |                        |                      | NONE                                                         |                            |
|                                     |                        | H2S                  | 15.3500 LB/H EA                                              | BACT                       |
|                                     |                        |                      | 0.8% S COKE & ELECTRODES                                     |                            |
| CALCINER BOILER, GAS, OIL           | 56.20 MMBTU/H          | PM                   | 5.7000 LB/H                                                  | BACT                       |
|                                     |                        |                      | NONE                                                         |                            |
|                                     |                        | SO2                  | 171.6000 LB/H                                                | BACT                       |
|                                     |                        |                      | 0.7% S OIL                                                   |                            |
|                                     |                        | CO                   | 5.7000 LB/H                                                  | BACT                       |
|                                     |                        |                      | WASTE HEAT BOILERS                                           |                            |
| COKER, OIL/GAS                      | 71.60 MMBTU/H          | PM                   | 4.4000 LB/H                                                  | BACT                       |
|                                     |                        |                      | NONE                                                         |                            |
|                                     |                        | SO2                  | 62.8600 LB/H                                                 | BACT                       |
|                                     |                        |                      | 0.7% S OIL                                                   |                            |
|                                     |                        | CO                   | 2.2000 LB/H                                                  | BACT                       |
|                                     |                        |                      | WASTE HEAT BOILER                                            |                            |
| FURNACE, NAT. GAS                   | 2.20 MMBTU/H           | PM                   | 0.1100 LB/H                                                  | BACT                       |
|                                     |                        |                      | NONE                                                         |                            |
|                                     |                        | SO2                  | 0.6300 LB/H                                                  | BACT                       |
|                                     |                        |                      | NONE                                                         |                            |
|                                     |                        | CO                   | 0.1100 LB/H                                                  | BACT                       |
|                                     |                        |                      | NONE                                                         |                            |

NOTES

MFG GRAPHITE ELECTRODES FOR USE IN ELECTRIC ARC FURNACES FOR THE STEEL INDUSTRY. RAW MATERIALS INCLUDE: LIQUID PITCH, OIL, NATURAL GAS, BINDERS, SAND, & VARIOUS ADITIVES. TRACE EQUALS LESS THAN 0.01 LB/HR.

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- OTHER CHEMICAL  
 COMPANY NAME/SITE LOCATION ALLIED CHEMICAL  
 SCOTLANDVILLE, LA EAST BATON ROUGE PARISH  
 DETERMINATION IS BACT FOR A MODIFIED SOURCE.  
 PERMIT NO. (REGION FILE NO.) PSD-LA-104  
 DETERMINATION MADE BY EPA REGION VI  
 (AGENCY)  
 TOM DIGGS  
 (AGENCY CONTACT PERSON)  
 DATE OF PERMIT ISSUANCE-- 11/21/80  
 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 131.00 MMBTU/H  
 PM 0.0015 LB/MMBTU LIMESTONE SCRUBBER BACT  
 SO2 0.0740 LB/MMBTU LOW SULFUR OIL (.7 %) 99.00 BACT  
 NOX 0.3000 LB/MMBTU LOW EXCESS AIR BACT  
 VOC 0.0064 LB/MMBTU EFFICIENT COMBUSTION BACT  
 REGENERATION HEATER 4.00 MMBTU/H  
 PM 0.0190 LB/MMBTU EFFICIENT COMBUSTION BACT  
 SO2 0.0023 LB/MMBTU LOW SULFUR OIL (.7 %) BACT  
 NOX 0.2000 LB/MMBTU LOW EXCESS AIR BACT  
 VOC 0.0003 LB/MMBTU EFFICIENT COMBUSTION BACT  
 CATALYST ACTIVATOR  
 PM 0.1200 LB/H MAINTENANCE PROGRAM BACT

(CONTINUED) ALLIED CHEMICAL

| PROCESSES SUBJECT<br>TO THIS PERMIT | THROUGHPUT<br>CAPACITY | POLLUTANT<br>EMITTED | EMISSION LIMITS<br>CONTROL EQUIPMENT OR PROCESS MODIFICATION | ... & BASIS<br>... PCT EFF |
|-------------------------------------|------------------------|----------------------|--------------------------------------------------------------|----------------------------|
| CATALYST ACTIVATOR VENT             |                        |                      |                                                              |                            |
| PURGE FLARE                         |                        | PM                   | 0.1400 LB/H                                                  |                            |
|                                     |                        | VOC                  | 0.5300 LB/H                                                  | BACT                       |
|                                     |                        |                      | STEAM INJECTION                                              |                            |
| POWDER BLOWER                       |                        | PM                   | 3.0000 LB/H                                                  | BACT                       |
|                                     |                        |                      | MAINTENANCE PROGRAM                                          |                            |
| FEED BLOWER                         |                        | PM                   | 3.0000 LB/H                                                  | BACT                       |
|                                     |                        |                      | MAINTENANCE PROGRAM                                          |                            |
| FEED BLOWER                         |                        | PM                   | 3.0000 LB/H                                                  | BACT                       |
|                                     |                        |                      | MAINTENANCE PROGRAM                                          |                            |
| BLENDER BLOWER                      |                        | PM                   | 3.0000 LB/H                                                  | BACT                       |
|                                     |                        |                      | MAINTENANCE PROGRAM                                          |                            |
| BLENDER BLOWER                      |                        | PM                   | 3.0000 LB/H                                                  | BACT                       |
|                                     |                        |                      | MAINTENANCE PROGRAM                                          |                            |
| PELLET BLOWER                       |                        | PM                   | 3.0000 LB/H                                                  | BACT                       |
|                                     |                        |                      | MAINTENANCE PROGRAM                                          |                            |
| TRANSFER BLOWER                     |                        | PM                   | 3.0000 LB/H                                                  | BACT                       |
|                                     |                        |                      | MAINTENANCE PROGRAM                                          |                            |
| FUGATIVES                           |                        | PM                   | 3.0000 LB/H                                                  | BACT                       |
|                                     |                        |                      | MAINTENANCE PROGRAM                                          |                            |
|                                     |                        | VOC                  | 6.3000 LB/H                                                  | BACT                       |
|                                     |                        |                      | CHECK ONCE PER MONTH                                         |                            |

NOTES -----

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

PAGE 6- 593

ID NUMBER LA-0035

SOURCE TYPE CODE 6.62

# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- OTHER CHEMICAL 220.00 MMLB/YR

COMPANY NAME/SITE LOCATION AMERICAN HOECHST PASADENA, TX HARRIS COUNTY

DETERMINATION IS BASED FOR A NEW SOURCE. DATE OF PERMIT ISSUANCE-- 07/01/77  
 PERMIT NO. 5264 ESTIMATED DATE OF START-UP-- 1980  
 DETERMINATION MADE BY TEXAS ACB (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 |
|----------------------------------|---------------------|-------------------|-----------------------------------------------------------|-------------------------|
|----------------------------------|---------------------|-------------------|-----------------------------------------------------------|-------------------------|

|               |  |     |                                              |               |
|---------------|--|-----|----------------------------------------------|---------------|
| STORAGE TANKS |  | VOC | 0.5500 T/YR<br>CONDENSOR & CARBON ABSORBER   | AP42<br>90.00 |
| STORAGE BINS  |  | PM  | 2.3000 T/YR<br>350.0000 UG/CU. M<br>CYCLONES | TECH          |

|               |  |     |                                        |  |
|---------------|--|-----|----------------------------------------|--|
| PROCESS VENTS |  | VOC | NONE<br>VENTED TO FUEL SYSTEM OR FLARE |  |
|---------------|--|-----|----------------------------------------|--|

NOTES -----  
 FIRST TEXAS POLYETHYLENE PLANT WITH NO PROCESS VENTS TO ATMOSPHERE.

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

# APPENDIX --- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE---  
 OTHER CHEMICAL  
 COMPANY NAME/SITE LOCATION ARCHER DANIELS MIDLAND  
 PEORIA, IL  
 PEORIA COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.  
 PERMIT NO. 81 07 0035  
 DETERMINATION MADE BY ILLINOIS EPA  
 (AGENCY) CHRIS ROMAINE  
 (AGENCY CONTACT PERSON)  
 DATE OF PERMIT ISSUANCE-- 05/28/82  
 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

BOILER  
 90.00 MMBTU/H  
 NOX  
 0.1700 LB/MMBTU  
 EQUIPMENT DESIGN  
 BYPRODUCT DRYER  
 30.00 T/H  
 NOX  
 0.1600 LB/MMBTU  
 EQUIPMENT DESIGN

NOTES -----

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- OTHER CHEMICAL

COMPANY NAME/SITE LOCATION ARKANSAS EASTMAN

BATESVILLE, AR

INDEPENDENCE COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.  
PERMIT NO. (REGION FILE NO.) PSD-AR-311  
DETERMINATION MADE BY EPA REGION VI  
(AGENCY)

JOHN BUNYAK  
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 03/27/81  
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 |
|----------------------------------|---------------------|-------------------|-----------------------------------------------------------|-------------------------|
|----------------------------------|---------------------|-------------------|-----------------------------------------------------------|-------------------------|

BOILER, COAL-FIRED 193.00 MMBTU/H

|     |                 |                                                       |            |
|-----|-----------------|-------------------------------------------------------|------------|
| PM  | 0.0600 LB/MMBTU | ELECTROSTATIC PRECIPITATOR                            | BACT       |
| SO2 | 1.6000 LB/MMBTU |                                                       | 99.00 BACT |
| NOX | 0.6000 LB/MMBTU | LOW SULFUR COAL (1.0% S)<br>FLUE GAS OXYGEN MONITOR   | BACT       |
| PM  | 1.0000 LB/H     | EXISTING CONTROL EQUIP.<br>COVERS, VENTS AND SPRAYING | BACT       |

COAL HANDLING SYS

NOTES -----

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.



# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- OTHER CHEMICAL

COMPANY NAME/SITE LOCATION BASF-WYANDOTTE  
P.O. BOX 181

PARSIPPANY, LA 07054

DETERMINATION IS BACT FOR A MODIFIED SOURCE.

PERMIT NO. DATE OF PERMIT ISSUANCE-- 03/27/81  
ESTIMATED DATE OF START-UP--  
DETERMINATION MADE BY EPA REGION VI (214)-767-1594  
(AGENCY) (PHONE)  
JOE WINKLER  
(AGENCY CONTACT PERSON)

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

|              |                |     |                                                   |      |
|--------------|----------------|-----|---------------------------------------------------|------|
| STEAM BOILER | 303.00 MMBTU/H | NOX | 36.4000 LB/H<br>0.1200 LB/MMBTU<br>LOW NOX BURNER | BACT |
|--------------|----------------|-----|---------------------------------------------------|------|

NOTES -----  
NATURAL GAS USED AS FUEL

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- OTHER CHEMICAL 5500.00 MMLB/YR (SEE NOTE)

COMPANY NAME/SITE LOCATION B.F. GOODRICH CHEMICAL GROUP CONVENT, LA ST. JAMES PARISH

DETERMINATION IS BACT FOR A MODIFIED SOURCE. PERMIT NO. (REGION FILE NO.) PSD-LA-326 DATE OF PERMIT ISSUANCE-- 11/24/80  
 DETERMINATION MADE BY EPA REGION VI ESTIMATED DATE OF START-UP-- 1983  
 (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 |
|----------------------------------|---------------------|-------------------|-----------------|-------------------------------------------|-------------------------|
|----------------------------------|---------------------|-------------------|-----------------|-------------------------------------------|-------------------------|

|                       |                  |     |                 |                               |            |
|-----------------------|------------------|-----|-----------------|-------------------------------|------------|
| EDC CRACKING FURNACES | 98.00 MMBTU/H EA | PM  | 0.0110 LB/MMBTU | NATURAL GAS AS FUEL           | BACT       |
|                       |                  | SO2 | 0.0006 LB/MMBTU | NATURAL GAS AS FUEL           | BACT       |
|                       |                  | NOX | 0.1400 LB/MMBTU | NATURAL GAS AS FUEL           | BACT       |
|                       |                  |     |                 | LOW NOX BURNER                |            |
|                       |                  |     |                 | STAGED BURN + LOW FLAME TEMP. |            |
|                       |                  | CO  | 0.0180 LB/MMBTU | O2 FLUE GAS MONITORING        | BACT       |
| PVC SILOS, 52 EA      | 150.00 MMBTU/H   | PM  | 6.1600 LB/H     | MULTI-COMPARTMENT BAGHOUSE    | BACT       |
|                       |                  | NOX | 0.4700 LB/MMBTU | O2 FLUE GAS MONITORING        | 99.70 BACT |
|                       |                  | CO  | 0.0090 LB/MMBTU | O2 FLUE GAS MONITORING        | BACT       |
| WASTE GAS INCIN.      | 24.00 MMBTU/H    | NOX | 0.4900 LB/MMBTU | O2 FLUE GAS MONITORING        | BACT       |
|                       |                  | CO  | 0.0010 LB/MMBTU | FLUE GAS MONITORING           | BACT       |
|                       |                  | PM  | 4.5600 LB/H     |                               | BACT       |

99.70

CYCLONE SEPERATOR + WET SCRUB.  
BOTH DEVICES RECYCLED

(CONTINUED) B.F. GOODRICH CHEMICAL GROUP

| PROCESSES SUBJECT<br>TO THIS PERMIT | THROUGHPUT<br>CAPACITY | POLLUTANT<br>EMITTED | EMISSION LIMITS<br>CONTROL EQUIPMENT OR PROCESS MODIFICATION | ... & BASIS<br>... PCT EFF |
|-------------------------------------|------------------------|----------------------|--------------------------------------------------------------|----------------------------|
| BOILER, COAL FIRED                  | 338.00 MMBTU/H         | PM                   | 0.0150 LB/MMBTU<br>BAGHOUSE, MULTI-COMPARTMENT               | BACT<br>99.70              |
|                                     |                        | SO2                  | 0.3300 LB/MMBTU<br>FLUE GAS DESULFURIZATION                  | BACT<br>96.00              |
|                                     |                        | NOX                  | 0.7000 LB/MMBTU<br>BOILER DESIGN                             | NSPS                       |
|                                     |                        | CO                   | 0.0800 LB/MMBTU<br>HIGH EXCESS AIR                           | BACT                       |

NOTES -----  
 4 EDC CRACKING FURNACES (NATURAL GAS FIRED), 52 PVC SILOS WASTE GAS INCINERATOR, WASTE GAS INCINERATOR, AND 4 PVC DRYERS USING  
 STEAM PRODUCED BY A COAL-FIRED SPREADER STOKER BOILER. EDC - 2700 MMLB/YR, VCM - 1700 MMLB/YR, PVC -1100 MM LB/YR.

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- OTHER CHEMICAL-----

COMPANY NAME/SITE LOCATION B.F. GOODRICH CO. AVON LAKE, OH LORAIN COUNTY

DETERMINATION IS B/L PERMIT NO. 1947030004 DATE OF PERMIT ISSUANCE-- 11/30/81  
 DETERMINATION MADE BY OHIO EPA NED ESTIMATED DATE OF START-UP-- 1983  
 (AGENCY) DENNIS BUSH (216)-425-9171  
 (AGENCY CONTACT PERSON) (PHONE)

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

| COAL FIRED BOILER | THROUGHPUT CAPACITY | POLLUTANT EMISSION LIMITS | CONTROL EQUIPMENT OR PROCESS MODIFICATION | ... & BASIS |
|-------------------|---------------------|---------------------------|-------------------------------------------|-------------|
|                   | 238.00 MMBTU/H      | S02                       | 1.2000 LB/MMBTU<br>1250.0000 T/YR         | LAER        |
|                   |                     | CO                        | 0.1900 LB/MMBTU<br>200.0000 T/YR          | 90.00 BACT  |
|                   |                     | NOX                       | 0.7000 LB/MMBTU<br>730.0000 T/YR          | BACT        |
|                   |                     | PM                        | 0.0600 LB/MMBTU<br>63.0000 T/YR           | BACT        |
|                   |                     |                           | FABRIC FILTER                             | 99.00       |

NOTES -----  
 INTERNAL OFFSETS FOR S02 PROVIDED BY REDUCING SULFUR CONTENT OF COAL USED IN EXISTING BOILERS

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- OTHER CHEMICAL 152.30 MMBTU/H

COMPANY NAME/SITE LOCATION B.F. GOODRICH, CHEMICAL DIV LOUISVILLE, KY JEFFERSON COUNTY  
BULLS LANE

DETERMINATION IS FOR A MODIFIED SOURCE. DATE OF PERMIT ISSUANCE-- 02/28/80  
PERMIT NO. KG-091 ESTIMATED DATE OF START-UP--  
DETERMINATION MADE BY KENTUCKY DAPC JOHN MCCARTHY (502)-587-3327  
(AGENCY) (AGENCY CONTACT PERSON) (PHONE)

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

COAL FIRED BOILER PM 0.0300 LB/MMBTU BAGHOUSE 98.60  
502 1.0000 LB/MMBTU LOW S COAL 85.00

NOTES -----  
SUBJECT TO NON-ATTAINMENT REQUIREMENTS OF THE KENTUCKY SIP.

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- OTHER CHEMICAL

COMPANY NAME/SITE LOCATION DIAMOND SHAMROCK CORP.

CASTLE HAYNE, NC

NEW HANOVER COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.

PERMIT NO. NC 058

DETERMINATION MADE BY NORTH CAROLINA DEM

(AGENCY)

MIKE SEMELL

(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE--

ESTIMATED DATE OF START-UP--

(919)-733-6126

(PHONE)

PROCESSES SUBJECT TO THIS PERMIT

THROUGHPUT CAPACITY

POLLUTANT EMITTED

EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION

... & BASIS ... PCT EFF

SODIUM BICHRONATIC PLANT/BOILERS

32.50 T/H

SO2

25.0000 LB/MTBTU

SCRUBBER/LOW SULFUR COAL

BACT

PM

96.4300

UNKNOWN

BAGHOUSE-SCRUBBER

BACT

NOTES -----

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

PAGE G- 603

ID NUMBER NC-0004

SOURCE TYPE CODE 6.62

# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- OTHER CHEMICAL

COMPANY NAME/SITE LOCATION DOW CHEMICAL

CLUTE, TX

BRAZORIA COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.

PERMIT NO. X3873

DETERMINATION MADE BY TEXAS ACB  
(AGENCY)

L. ROBERTS  
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 10/01/82  
ESTIMATED DATE OF START-UP--  
(512)-451-5711  
(PHONE)

PROCESSES SUBJECT  
TO THIS PERMIT

THROUGHPUT  
CAPACITY

POLLUTANT  
EMITTED

EMISSION LIMITS  
CONTROL EQUIPMENT OR PROCESS MODIFICATION

... & BASIS  
... PCT EFF

PRODUCT STRIPPER

ALK\*

2.1000 T/YR

PACKED TOWER WATER SCRUBBER

96.00

NOTES -----

EMISSIONS ARE SUSPECTED CARCINOGENS, MUTAGENS.

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

PAGE G- 604

ID NUMBER TX-0105

SOURCE TYPE CODE 6.62



# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- OTHER CHEMICAL

COMPANY NAME/SITE LOCATION DOW CHEMICAL CO. PLAQUEMINE, LA IBERVILLE PARISH

DETERMINATION IS BACT FOR A MODIFIED SOURCE.  
 PERMIT NO. (REGION FILE NO.) PSD-LA-393  
 DETERMINATION MADE BY EPA REGION VI  
 (AGENCY)  
 TOM DIGGS  
 (AGENCY CONTACT PERSON)  
 DATE OF PERMIT ISSUANCE-- 08/11/81  
 ESTIMATED DATE OF START-UP-- 1982  
 (214)-767-1594  
 (PHONE)

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

TURBINE, NAT. GAS-FIRED, 2 EA 1203.00 MBTU/H  
 NOX 0.4400 LB/MBTU  
 CO 0.1200 LB/MBTU  
 STEAM INJECTION  
 GOOD COMBUSTION PRACTICE  
 NSPS  
 85.00  
 BACT

NOTES  
 2 NATURAL GAS-FIRED TURBINE GENERATOR SETS.

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- OTHER CHEMICAL

COMPANY NAME/SITE LOCATION EMERY INDUSTRIES

CINCINNATI, OH

DETERMINATION IS BACT FOR A NEW SOURCE.  
 PERMIT NO. OHIO 14-312  
 DETERMINATION MADE BY SW OHIO APC  
 (AGENCY)

DATE OF PERMIT ISSUANCE-- 10/23/80  
 ESTIMATED DATE OF START-UP--  
 (513)-251-8777  
 (PHONE)

JIM BAIRET  
 (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

35.00 MMBTU/H

PM 0.0600 LB/MMBTU  
 SO2 1.6000 LB/MMBTU  
 NOX 0.7000 LB/MMBTU  
 LOW S COAL < 1.0% S

NOTES -----

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- OTHER CHEMICAL  
 COMPANY NAME/SITE LOCATION ESK CORP.  
 HENNEPIN, IL PUTNAM COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.  
 PERMIT NO. DATE OF PERMIT ISSUANCE--  
 DETERMINATION MADE BY ILLINOIS EPA ESTIMATED DATE OF START-UP-- 1979  
 (AGENCY) CHRIS ROMAINE (217)-782-2113  
 (AGENCY CONTACT PERSON) (PHONE)

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

NOTES -----  
 SOURCE GRANTED TEMPORARY PSD PERMIT WITH FLARING OF H2S. SOURCE UNDER REVIEW TO GET PERMANENT PSD LIMITS AS CHANGED CIRCUMSTANCES REQUIRE PERMANENT PERMIT.

# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- OTHER CHEMICAL

COMPANY NAME/SITE LOCATION EXXON CHEMICAL

BATON ROUGE, LA

DETERMINATION IS BACT FOR A MODIFIED SOURCE.  
 PERMIT NO. (REGION FILE NO.) PSD-LA-221  
 DETERMINATION MADE BY EPA REGION VI  
 (AGENCY)

DATE OF PERMIT ISSUANCE-- 05/01/80  
 ESTIMATED DATE OF START-UP--  
 (214)-767-1594  
 (PHONE)

JOHN BUNYAK  
 (AGENCY CONTACT PERSON)

PROCESSES SUBJECT  
 TO THIS PERMIT

THROUGHPUT  
 CAPACITY

POLLUTANT  
 EMITTED

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

THERMAL OXIDIZERS, 2 EA

141.00 MMBTU/H

SO2

2.0600 LB/MMBTU  
 THERMAL SCRUBBER

BACT  
 90.00

NOTES -----

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

PAGE G- 608

ID NUMBER LA-0034

SOURCE TYPE CODE 6.62

# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- OTHER CHEMICAL

COMPANY NAME/SITE LOCATION E.I. DUPONT DE NEMOURS CIRCLEVILLE, OH

DETERMINATION IS BACT FOR A NEW SOURCE.  
 PERMIT NO. EPA-5-A-81-1  
 DETERMINATION MADE BY EPA REGION V  
 (AGENCY) BONIFACE THAYIL  
 (AGENCY CONTACT PERSON) DATE OF PERMIT ISSUANCE-- 12/08/80  
 ESTIMATED DATE OF START-UP-- (312)-886-6054  
 (PHONE)

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

BOILERS, COAL-FIRED, 2 70000.00 LB/H  
 SO2 1.6000 LB/MMBTU  
 1 1/2 S COAL  
 PM 0.0600 LB/MMBTU  
 NOX 0.6000 LB/MMBTU  
 BAGHOUSE FILTERS  
 LOW EXCESS AIR & BURNER DESIGN

NOTES  
 SOURCE NOT BUILT

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- OTHER CHEMICAL

COMPANY NAME/SITE LOCATION E.I. DUPONT DE NEMOURS

LAPLACE, TX ST. JOHN THE BAPTIST COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.  
PERMIT NO. (REGION FILE NO.) PSD-TX-335  
DETERMINATION MADE BY EPA REGION VI  
(AGENCY)

TOM DIGGS  
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 04/28/81  
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 |
|----------------------------------|---------------------|-------------------|-----------------|-------------------------------------------|-------------------------|
|----------------------------------|---------------------|-------------------|-----------------|-------------------------------------------|-------------------------|

|                    |                |     |                                             |                        |               |
|--------------------|----------------|-----|---------------------------------------------|------------------------|---------------|
| BOILER             | 240.00 MMBTU/H | PM  | 0.0500 LB/MMBTU OIL<br>0.0840 LB/MMBTU COAL | BAGHOUSE               | 99.20         |
|                    |                | SO2 | 0.7900 LB/MMBTU OIL<br>1.6900 LB/MMBTU COAL | LOW SULFUR COAL (1.0%) |               |
| COAL CAR UNLOAD    |                | NOX | 0.3000 LB/MMBTU OIL<br>0.6000 LB/MMBTU COAL | LOW NOX BURNERS        |               |
|                    |                | PM  | 0.2000 LB/H                                 | BAGHOUSE               | BACT<br>99.00 |
| CONVEYING TRANSFER |                | PM  | 0.1330 LB/H                                 | ENCLOSED               | BACT          |
|                    |                | PM  | 0.2400 LB/H                                 | ENCLOSED               | BACT          |

(CONTINUED) E.I. DUPONT DE NEMOURS

| PROCESSES SUBJECT<br>TO THIS PERMIT | THROUGHPUT<br>CAPACITY | POLLUTANT<br>EMITTED | EMISSION LIMITS<br>CONTROL EQUIPMENT OR PROCESS MODIFICATION | ... & BASIS<br>... PCT EFF |
|-------------------------------------|------------------------|----------------------|--------------------------------------------------------------|----------------------------|
| EROSION                             |                        | PM                   | 0.0170 LB/H<br>WETTING                                       | BACT                       |
| PILE EROSION                        |                        | PM                   | 0.0170 LB/H<br>WETTING                                       | BACT                       |
| RECLAIMING                          |                        | PM                   | 0.0180 LB/H<br>DUST SUPPRESSANT                              | BACT                       |
| PUMPING                             |                        | PM                   | 0.2120 LB/H<br>DUST SUPPRESSANT                              | BACT                       |
| ASH HANDLING                        |                        | PM                   | 0.0050 LB/H<br>BAG FILTER                                    | BACT<br>99.00              |

NOTES -----

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

PAGE 6- 611

ID NUMBER TX-0027

SOURCE TYPE CODE 6.62

# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- OTHER CHEMICAL

COMPANY NAME/SITE LOCATION HCC CHEMICAL CO.  
CONVENT CHEMICAL CORP.

CONVENT, LA

ST. JAMES PARISH

DETERMINATION IS BACT FOR A NEW SOURCE.  
PERMIT NO. (REGION FILE NO.) PSD-LA-108  
DETERMINATION MADE BY EPA REGION VI  
(AGENCY)

JOHN BUNYAK  
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 11/06/80  
ESTIMATED DATE OF START-UP-- 1980  
(214)-767-1594  
(PHONE)

PROCESSES SUBJECT  
TO THIS PERMIT

THROUGHPUT  
CAPACITY

POLLUTANT  
EMITTED

EMISSION LIMITS  
CONTROL EQUIPMENT OR PROCESS MODIFICATION

... & BASIS  
... PCT EFF

BOILER, SPREADER STOKER

312.50 MMBTU/H

|     |        |                          |       |
|-----|--------|--------------------------|-------|
| S02 | 0.3200 | LB/MMBTU COAL            | BACT  |
|     |        | FLUE GAS DESULFURIZATION | 96.00 |
| NOX | 0.7000 | LB/MMBTU COAL            | BACT  |
|     |        | BOILER DESIGN            |       |
| CO  | 0.0950 | LB/MMBTU COAL            | BACT  |
|     |        | BOILER OPERATION         |       |
| PM  | 0.0200 | LB/MMBTU COAL            | BACT  |
|     |        | BAGHOUSE                 | 99.70 |
| S02 | 0.1400 | LB/MMBTU RESID. OIL      | BACT  |
|     |        | FLUE GAS DESULFURIZATION | 96.00 |
| NOX | 0.3000 | LB/MMBTU RESID. OIL      | HSPS  |
|     |        | BOILER DESIGN            |       |
| CO  | 0.0360 | LB/MMBTU RESID. OIL      | BACT  |
|     |        | BOILER OPERATION         |       |
| PM  | 0.0200 | LB/MMBTU RESID. OIL      | BACT  |
|     |        | BAGHOUSE                 | 99.70 |
| S02 | 0.3200 | LB/MMBTU DIST OIL        | BACT  |
|     |        | FLUE GAS DESULFURIZATION | 96.00 |
| NOX | 0.1600 | LB/MMBTU DIST OIL        | BACT  |
|     |        | BOILER DESIGN            |       |
| CO  | 0.0360 | LB/MMBTU DIST OIL        | BACT  |
|     |        | BOILER OPERATION         |       |



|     |        |                   |       |
|-----|--------|-------------------|-------|
| PM  | 0.0140 | LB/MMBTU DIST OIL | BACT  |
|     |        | BAGHOUSE          | 99.70 |
| S02 | 0.0006 | LB/MMBTU N. GAS   | BACT  |
|     |        | GAS AS FUEL       |       |
| NOX | 0.1700 | LB/MMBTU N. GAS   | BACT  |
|     |        | BOILER DESIGN     |       |
| CO  | 0.0170 | LB/MMBTU N. GAS   | BACT  |
|     |        | BOILER OPERATION  |       |
| PM  | 0.0100 | LB/MMBTU N. GAS   | BACT  |
|     |        | GAS AS FUEL       |       |

(CONTINUED) HCC CHEMICAL CO.

| PROCESSES SUBJECT<br>TO THIS PERMIT | THROUGHPUT<br>CAPACITY | POLLUTANT<br>EMITTED | EMISSION LIMITS<br>CONTROL EQUIPMENT OR PROCESS MODIFICATION | ... & BASIS<br>... PCT EFF |
|-------------------------------------|------------------------|----------------------|--------------------------------------------------------------|----------------------------|
| BOILER, GAS/OIL                     | 173.00 MMBTU/H         | SO2                  | 0.3200 LB/MMBTU<br>FLUE GAS DESULFURIZATION                  | BACT<br>96.00<br>NSPS      |
|                                     |                        | NOX                  | 0.3000 LB/MMBTU<br>BOILER DESIGN                             |                            |
|                                     |                        | CO                   | 0.0400 LB/MMBTU<br>BOILER OPERATION                          | BACT                       |
|                                     |                        | PM                   | 0.0200 LB/MMBTU<br>BAGHOUSE                                  | BACT<br>99.70              |
| BOILER, WASTE GAS                   | 230.00 MMBTU/H         | NOX                  | 0.2000 LB/MMBTU<br>BOILER DESIGN                             |                            |
|                                     |                        | PM                   | 0.0100 LB/MMBTU<br>BAGHOUSE                                  | 99.70                      |
| COAL CRUSHER HOUSE                  |                        | PM                   | 2.1500 LB/H<br>BAGHOUSE                                      | 99.70                      |
| COAL BUNKER HOUSE                   |                        | PM                   | 0.3600 LB/H<br>BAGHOUSE                                      | 99.70                      |
| ASH SILO                            |                        | PM                   | 0.2300 LB/H<br>BAGHOUSE                                      | 99.70                      |
| COAL HANDLING                       |                        | PM                   | 5.3000 LB/H<br>HANDLING TECHNIQUES                           |                            |

NOTES -----  
MODIFIED PERMIT ISSUED 11-06-80. SPREADER STUKER BOILER MAY USE NATURAL GAS, DISTILLATE OIL, OR RESIDUAL OIL.

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- OTHER CHEMICAL

COMPANY NAME/SITE LOCATION ICI AMERICAS, INC.

, VA

CHESTERFIELD COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.

PERMIT NO. 50418

DETERMINATION MADE BY VIRGINIA APCB  
(AGENCY)

PAUL PITTS  
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 07/28/82  
ESTIMATED DATE OF START-UP--  
(804)-786-4867  
(PHONE)

PROCESSES SUBJECT  
TO THIS PERMIT

THROUGHPUT  
CAPACITY

POLLUTANT  
EMITTED

EMISSION LIMITS  
CONTROL EQUIPMENT OR PROCESS MODIFICATION

... & BASIS  
... PCT EFF

VIRGIN CHIP BUNKER

6.50 T/H

PM

0.0025 LB/H  
BAGFILTERS

99.90

VIRGIN CHIP HOPPER

11.20 T/H

PM

0.0025 LB/H  
CYCLONE

99.90

RECLAIM CHIP HOPPER

11.20 T/H

PM

0.0025 LB/H  
CYCLONE

99.90

FLAKE BUNKER

4.50 T/H

PM

0.2400 LB/H  
BAGFILTER

99.95

FLAKE HOPPER

1.50 T/H

PM

0.4200 LB/H  
BAGFILTER

99.95

STENTER CONVEYOR

2.50 T/H

PM

(CONTINUED) ICI AMERICAS, INC.

| PROCESSES SUBJECT<br>TO THIS PERMIT | THROUGHPUT<br>CAPACITY | POLLUTANT<br>EMITTED | EMISSION LIMITS<br>CONTROL EQUIPMENT OR PROCESS MODIFICATION | ... & BASIS<br>... PCT EFF |
|-------------------------------------|------------------------|----------------------|--------------------------------------------------------------|----------------------------|
| EDGE/SCRAP CONVEYOR                 | 5.50 T/H               | PM                   | 0.0025 LB/H<br>BAGFILTER                                     | 99.95                      |
| SILT/SCRAP CONVEYOR                 | 1.50 T/H               | PM                   | 0.0011 LB/H<br>BAGFILTER                                     | 99.95                      |
| SLITTER                             | 1.00 T/H               | PM                   | 0.0028 LB/H                                                  |                            |
| DRYER                               | 2.50 T/H               | PM                   | 0.0180 LB/H<br>BAGFILTER                                     | 99.95                      |

NOTES -----  
MAKES PLASTIC FILM FROM CHIPS.

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- OTHER CHEMICAL

COMPANY NAME/SITE LOCATION MALLINCKRODT, INC

ST. LOUIS, MO

DETERMINATION IS BACT FOR A MODIFIED SOURCE.  
PERMIT NO.

DATE OF PERMIT ISSUANCE-- 06/17/82  
ESTIMATED DATE OF START-UP-- 1983

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

COAL FIRED BOILER

115.10 MBTU/H

|     |                             |
|-----|-----------------------------|
| S02 | 2.0000 LB/MBTU 300 ROLL AV  |
|     | 2.8500 LB/MBTU MAX/D, MED S |
| S02 | 1.2000 LB/MBTU MAX/D, LOW S |
|     | 1.2000 LB/MBTU FUEL OIL     |
| S02 | 0.0100 LB/MBTU GAS          |
| NOX | 0.6000 LB/MBTU              |
|     | 0.3000 LB/MBTU FUEL OIL     |
| NOX | 0.2000 LB/MBTU GAS          |

NOTES -----

STAND-BY FUEL-C OF NATURAL GAS & NO.6 FUEL OIL. COAL SAMPLING & FUEL ANALYSIS USED FOR COMPLIANCE TESTING FOR S02.

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

PAGE 6- 617

ID NUMBER MO-0005

SOURCE TYPE CODE 6.62

# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- OTHER CHEMICAL 60.00 MMBTU/H

COMPANY NAME/SITE LOCATION MALLINCKRODT, INC. RALEIGH, NC WAKE COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE. DATE OF PERMIT ISSUANCE-- 04/19/83

PERMIT NO. 5126 ESTIMATED DATE OF START-UP-- 1984

DETERMINATION MADE BY NORTH CAROLINA DEM MIKE SEWELL (919)-733-7015

(AGENCY) (AGENCY CONTACT PERSON) (PHONE)

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

BOILER, COAL FIRED 60.00 MMBTU/H

SO2 1.5000 LB/MMBTU LOW S COAL, 1 1/2

NOX 0.7000 LB/MMBTU GOOD OPERATING PRACT.

NOTES -----

THE BOILER WILL HAVE A BAG FILTER TO CONTROL PM EMISSIONS, PM IS NOT SUBJECT TO PSD.

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

# APPENDIX --- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- OTHER CHEMICAL

COMPANY NAME/SITE LOCATION MERCK & CO., KEKO DIVISION  
P.O. BOX 13216

SAN DIEGO, CA

DETERMINATION IS BACT FOR A MODIFIED SOURCE.

PERMIT NO. NSR-4-4-10 SD-81-01

DETERMINATION MADE BY EPA REGION IX  
(AGENCY)

RICK SUGAREK  
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 11/20/81  
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

TURBINE, 3

7.16 MW EA

NOX

20.0000 LB/H PER TURBINE  
0.2400 LB/MMBTU

BACT

DUCT BURNERS, 3

30.00 MMBTU EA

NOX

3.1000 LB/H PER BURNER  
0.1000 LB/MMBTU  
LOW NOX DESIGN

BACT

75.00

NOTES -----

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

PAGE 6- 619

ID NUMBER CA-0036

SOURCE TYPE CODE 6.62

# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- OTHER CHEMICAL 6200.00 BTU/LB

COMPANY NAME/SITE LOCATION MEREDITH/BURDA, INC. NEWTON, NC CATAWBA COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE. DATE OF PERMIT ISSUANCE-- 07/08/80  
 PERMIT NO. NC-064 ESTIMATED DATE OF START-UP--  
 DETERMINATION MADE BY NORTH CAROLINA DEM MIKE SEWELL (919)-733-6126  
 (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 | 3366.00 LB/H PAPER | PM<br>SO2 | 4.0000 LB/H | BACT |
|--------|--------------------|-----------|-------------|------|

|                 |  |      |                          |      |
|-----------------|--|------|--------------------------|------|
| CHROME CYLINDER |  | CHR* | NO. 6 OIL<br>0.0010 LB/H | BACT |
|-----------------|--|------|--------------------------|------|

NOTES -----

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.



# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- OTHER CHEMICAL 84.70 T/D

COMPANY NAME/SITE LOCATION MOLY CORP., INC. WASHINGTON, PA WASHINGTON COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE. DATE OF PERMIT ISSUANCE-- 03/21/80  
 PERMIT NO. 79PA22 ESTIMATED DATE OF START-UP-- 1980  
 DETERMINATION MADE BY EPA REGION III (215)-597-7936  
 (AGENCY) (AGENCY CONTACT PERSON) (PHONE)

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

ROASTER 84.70 T/D PM 5.1000 LB/H BACT  
 BAGHOUSE 99.50  
 SO2 75.0000 LB/H BACT  
 DBL-ABSORB ACID PLANT(SCRUB.) 98.50

NOTES -----

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- OTHER CHEMICAL

COMPANY NAME/SITE LOCATION MONSANTO CO.

ALVIN, TX

BRUZORIA COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.

PERMIT NO. PSD-TX-307

DETERMINATION MADE BY EPA REGION VI

(AGENCY)

JOHN BUNYAK

(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 08/26/81

ESTIMATED DATE OF START-UP-- 1982

(214)-767-1594

(PHONE)

PROCESSES SUBJECT TO THIS PERMIT

THROUGHPUT CAPACITY

POLLUTANT EMITTED

EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION

... & BASIS ... PCT EFF

INCIN., MHA SCRUBBER STACK

1.00 MMLB/YR

S02

11.3500 LB/H

CAUSTIC STACK SCRUBBER

FLARE STACK

S02

SMOKELESS FLAME - NO VIS. EMIS

NOTES -----

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

PAGE 6- 622

ID NUMBER TX-0059

SOURCE TYPE CODE 6.62

# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- OTHER CHEMICAL 1000.00 LB/H 2 EA

COMPANY NAME/SITE LOCATION M&T CHEMICALS, INC.  
P.O. BOX 1580 CARROLLTON, KY 41008 CARROLL COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.  
PERMIT NO. PSD-KY-127 DATE OF PERMIT ISSUANCE-- 03/07/80  
DETERMINATION MADE BY KENTUCKY DAPC ESTIMATED DATE OF START-UP--  
(AGENCY) (502)-564-3382  
BILL DILLS (PHONE)  
(AGENCY CONTACT PERSON)

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

REACTOR, TIN TETRACHLORIDE 1000.00 LB/H PH 50.0000 T/YR NSR  
VENTURI SCRUBBER 99.00  
2ND UNIT UP TO 1500 LB/H

NOTES -----

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- OTHER CHEMICAL 729.40 MMBTU/H

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

DETERMINATION IS BACT FOR A MODIFIED SOURCE.  
 PERMIT NO. (REGION FILE NO.) PSD-NM-418  
 DETERMINATION MADE BY EPA REGION VI  
 (AGENCY)  
 TOM DIGGS  
 (AGENCY CONTACT PERSON)  
 DATE OF PERMIT ISSUANCE-- 12/29/81  
 ESTIMATED DATE OF START-UP-- 1983  
 (214)-767-1594  
 (PHONE)

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

|                                  |                |     |                                                   |            |
|----------------------------------|----------------|-----|---------------------------------------------------|------------|
| TURBINE GEN, NAT. GAS-FIRED      | 729.40 MMBTU/H | NOX | 270.0000 LB/H<br>0.3700 LB/MMBTU                  | BACT       |
|                                  |                | S02 | 2.9000 LB/H<br>0.0040 LB/MMBTU                    | 42.50 BACT |
|                                  |                |     | H2O INJECT (WATER/FUEL = 0.5)<br>NONE             |            |
| TURBINE GEN, OIL AS STANDBY FUEL | 722.30 MMBTU/H | NOX | 280.0000 LB/H<br>0.3880 LB/MMBTU                  | NSPS       |
|                                  |                | S02 | 156.0000 LB/H<br>0.2160 LB/MMBTU                  | 66.70 BACT |
|                                  |                |     | H2O INJECT (WATER/FUEL = 0.5)<br>LOW SULFUR FUELS |            |

NOTES -----  
 ALTERNATE EMISSION LIMITS FOR NATURAL GAS: NOX -- 270 LB/HR, S02 -- 2.9 LB/HR. ALTERNATE EMISSION LIMITS FOR OIL: NOX -- 280 L B/HR, S02 -- 156 LB/HR.

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- OTHER CHEMICAL 243.00 MMBTU/H

COMPANY NAME/SITE LOCATION PPS INDUSTRIES NATRIUM, WV MARSHALL COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.  
 PERMIT NO. 79WV06 DATE OF PERMIT ISSUANCE-- 10/08/80  
 DETERMINATION MADE BY EPA REGION III ESTIMATED DATE OF START-UP-- 1981  
 (AGENCY) VERNON BUTLER (215)-597-2711  
 (AGENCY CONTACT PERSON) (PHONE)

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

BOILER 243.00 MMBTU/H NOX 0.7000 LB/MMBTU BACT  
 BURNER DESIGN--EXCESS O2< 4.5%

NOTES  
 0.7 LB/MMBTU DETERMINATION IS NOT AN EMISSION LIMITATION IN PSD PERMIT. BOILER #3 WAS STACK TESTED ON 5/13/82 WITH NO2 EMISSIONS OF 226 LB/H MEASURED, APPROX. = 0.93 LB/MMBTU.

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- OTHER CHEMICAL

COMPANY NAME/SITE LOCATION PROCTOR CHEMICAL CO.

SALISBURY, NC

ROMAN COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.

PERMIT NO. 5096

DETERMINATION MADE BY

NORTH CAROLINA DEM  
(AGENCY)

MIKE SEWELL  
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 02/02/83  
ESTIMATED DATE OF START-UP-- 1981  
(919)-733-7015  
(PHONE)

PROCESSES SUBJECT  
TO THIS PERMIT

THROUGH-PUT  
CAPACITY

POLLUTANT  
EMITTED

EMISSION LIMITS  
CONTROL EQUIPMENT OR PROCESS MODIFICATION

... & BASIS  
... PCT EFF

ROTARY PORCUPINE DRYER

4346.00 LB/H

VOC

98.0000 % CONTROL  
303.0000 T/YR

SURFACE CONDENSER

98.00

## NOTES

THE NEW DRYER WILL DRY THE SOLID PORTIONS OF VARIOUS CHEMICAL PRODUCTS MANUFACTURED BY PROCTOR.

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- OTHER CHEMICAL -----

COMPANY NAME/SITE LOCATION PROCTOR & GAMBLE  
6TH STREET  
MACON, GA  
BIBB COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.  
PERMIT NO. GA 008  
DETERMINATION MADE BY GEORGIA EPD  
(AGENCY)  
BILL MITCHELL  
(AGENCY CONTACT PERSON)  
DATE OF PERMIT ISSUANCE-- 09/25/80  
ESTIMATED DATE OF START-UP--  
(404)-656-6900  
(PHONE)

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

BOILER 87.50 MMSTU/H  
FAT CONVERSION  
S02 1.0000 % S OIL  
VOC 37.0000 T/YR  
FUME INCINERATOR  
BACT 85.00

NOTES -----

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- OTHER CHEMICAL

COMPANY NAME/SITE LOCATION SHELL CHEMICAL CO.  
P.O. BOX 2463

HOUSTON, LA 77001

DETERMINATION IS BACT FOR A NEW SOURCE.

PERMIT NO. EPA REGION VI  
DETERMINATION MADE BY (AGENCY)

JOHN BUNYAK  
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 03/07/80  
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 |
|----------------------------------|---------------------|-------------------|-----------------------------------------------------------|-------------------------|
|----------------------------------|---------------------|-------------------|-----------------------------------------------------------|-------------------------|

ASBESTOS DUST COLLECTOR (1-78)

|    |            |             |      |       |
|----|------------|-------------|------|-------|
| PM | 4.5000 G/D | DUST FILTER | BACT | 99.00 |
|----|------------|-------------|------|-------|

BPA-4 PROCESS PRILL TOWER

|    |             |            |      |       |
|----|-------------|------------|------|-------|
| PM | 0.4800 LB/H | BAG FILTER | BACT | 99.30 |
|----|-------------|------------|------|-------|

BPA RESINS, STORAGE, & SHIP.

|    |             |            |      |       |
|----|-------------|------------|------|-------|
| PM | 2.2500 LB/H | BAG FILTER | BACT | 99.40 |
|----|-------------|------------|------|-------|

PROCESS HEATERS, 3 EA

65.00 MMBTU/H

|    |                 |  |      |  |
|----|-----------------|--|------|--|
| PM | 0.0250 LB/MMBTU |  | BACT |  |
|    | 1.6300 LB/H EA  |  |      |  |

S02 0.8730 LB/MMBTU

56.7000 LB/H EA

0.7% S MAX. FUEL

|    |                 |  |      |  |
|----|-----------------|--|------|--|
| CO | 0.0390 LB/MMBTU |  | BACT |  |
|    | 2.5000 LB/H EA  |  |      |  |

0.7% S MAX. FUEL

|     |                 |  |      |  |
|-----|-----------------|--|------|--|
| NOX | 0.5400 LB/MMBTU |  | BACT |  |
|     | 35.1000 LB/H EA |  |      |  |

LOW EXCESS AIR BY F.G. 02 MON.



(CONTINUED) SHELL CHEMICAL CO.

| PROCESSES SUBJECT<br>TO THIS PERMIT | THROUGHPUT<br>CAPACITY | POLLUTANT<br>EMITTED | EMISSION LIMITS<br>CONTROL EQUIPMENT OR PROCESS MODIFICATION | ... & BASIS<br>... PCT EFF |
|-------------------------------------|------------------------|----------------------|--------------------------------------------------------------|----------------------------|
| ORGANIC CHLORIDE INCIN.             | 10000.00 LB/H          | NOX                  | 27.8000 LB/H                                                 | BACT                       |
|                                     |                        |                      | LOW EXCESS AIR BY F.G. 02 MON.                               |                            |
|                                     |                        | PM                   | 0.0200 GR/DSCF                                               | BACT                       |
|                                     |                        |                      | 2.0000 LB/H                                                  |                            |
|                                     |                        | CO                   | F.G. 02 MON. FOR PROPER COMBU.                               | BACT                       |
|                                     |                        |                      | 3.2000 LB/H                                                  |                            |
|                                     |                        | S02                  | AIR/FUEL CONT. BY F.G. 02 MON.                               |                            |
|                                     |                        |                      | 0.0000 LB/MMBTU                                              |                            |
| SLUDGE INCIN.                       | 10.00 MMBTU/H          | PM                   | 0.0040 GR/DSCF                                               | BACT                       |
|                                     |                        |                      | 0.0630 LB/H                                                  |                            |
|                                     |                        |                      | VENTURI SCRUBBER                                             |                            |
|                                     |                        | S02                  | AIR/FUEL CONT. BY F.G. 02 MON.                               | BACT                       |
|                                     |                        |                      | 0.8750 LB/MMBTU                                              |                            |
|                                     |                        |                      | 8.7500 LB/H                                                  |                            |
|                                     |                        | CO                   | 0.7% S FUEL OIL (MAX)                                        | BACT                       |
|                                     |                        |                      | 0.8300 LB/H                                                  |                            |
|                                     |                        | NOX                  | AIR/FUEL CONT. BY F.G. 02 MON.                               | BACT                       |
|                                     |                        |                      | 8.2000 LB/H                                                  |                            |
|                                     |                        |                      | LOW EXCESS AIR BY F.G. 02 MON.                               |                            |
| BOILERS, 3 FA                       | 594.00 MMBTU/H         | NOX                  | 0.7000 LB/MMBTU                                              | BACT                       |
|                                     |                        |                      | 416.0000 LB/H                                                |                            |
|                                     |                        | S02                  | LOW EXCESS AIR BY F.G. 02 CON.                               | BACT                       |
|                                     |                        |                      | 1.2000 LB/MMBTU                                              |                            |
|                                     |                        |                      | 713.0000 LB/H                                                |                            |
|                                     |                        | CO                   | LOW SULFUR COAL.                                             | BACT                       |
|                                     |                        |                      | 0.0640 LB/MMBTU                                              |                            |
|                                     |                        |                      | 38.0000 LB/H                                                 |                            |
|                                     |                        | PM                   | AIR/FUEL CON. BY F.G. MON.                                   | BACT                       |
|                                     |                        |                      | 0.0890 LB/MMBTU                                              |                            |
|                                     |                        |                      | 53.0000 LB/H                                                 |                            |
|                                     |                        |                      | E. S. P.                                                     |                            |
|                                     |                        |                      | AIR/FUEL CON. BY F.G. 02 CON.                                |                            |

(CONTINUED) SHELL CHEMICAL CO.

| PROCESSES SUBJECT<br>TO THIS PERMIT | THROUGHPUT<br>CAPACITY | POLLUTANT<br>EMITTED | EMISSION LIMITS<br>CONTROL EQUIPMENT OR PROCESS MODIFICATION         | ... & BASIS<br>... PCT EFF |
|-------------------------------------|------------------------|----------------------|----------------------------------------------------------------------|----------------------------|
| BOILER, 2 TEMPORARY                 | 198.50 MMBTU/H EA      | PM                   | 0.1000 LB/MMBTU<br>19.9000 LB/H EA<br>F.G. 02 CON. BY F.G. 02 MON.   | BACT                       |
|                                     |                        | SO2                  | 0.7500 LB/MMBTU<br>148.9000 LB/H EA<br>0.7% S FUEL (MAX.)            | BACT                       |
|                                     |                        | NOX                  | 0.3000 LB/MMBTU<br>59.6000 LB/H EA<br>LOW EXCESS AIR BY F.G. 02 MON. | BACT                       |
|                                     |                        | CO                   | 0.0330 LB/MMBTU<br>6.5300 LB/H EA<br>AIR/FUEL CON. BY F.G. 02 MON.   | BACT                       |
| BARGE BUCKET UNLOADER               |                        | PM                   | 466.4000 LB/D<br>WATER SPRAY/FUGITIVE EMIS.                          | BACT                       |
| BARGE TO STORAGE CONVEYOR           |                        | PM                   | 127.6000 LB/D<br>WATER SPRAY/FUGITIVE EMIS.                          | BACT                       |
| COAL PILE RECLAIM CONVEYOR          |                        | PM                   | 3.6000 LB/D<br>WATER SPRAY/FUGITIVE EMIS.                            | BACT                       |
| COAL DUMPING AT BOILERS USING C*    |                        | PM                   | 16.0000 LB/D<br>WATER SPRAY/FUGITIVE EMIS.                           | BACT                       |
| COAL PILE WIND EROSION              |                        | PM                   | 0.2300 T/YR<br>CRUSHING AGENT TO REDUCE DUST                         | BACT                       |

NOTES -----  
 SOURCE OPERATED CONTINUOUSLY. BPA-4 MEANS BIPHENOL ACEITONE IN SOLID PHASE. ALLOWABLE EMISSIONS FROM EACH PROCESS HEATER DIVIDE  
 D BETWEEN 2 STACKS. ORGANIC CHLORIDE INCINERATOR IS SAID NOT TO BE A SOURCE OF SO2. WHEN BOILERS FIRE OIL DUE TO SHORTA  
 GE OF COAL, THEY COMPLY W/NSPS. A THIRD TEMP. BOILER (264 MMBTU/HR INPUT) FIRING SAME FUEL, HAS SAME BACT. ALLOWABLE EMISSIONS  
 ARE: SO2, 0.25,198.5 \ NOX, 0.3,179.2 \ CO, 0.033,8.71 \ TSP, 0.1,26.4 -- UNITS ARE LB/MMBTU AND LB/HR, RES PECTIVELY.

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- OTHER CHEMICAL 600.00 MET. T/YR

COMPANY NAME/SITE LOCATION SMITH KLINE CORP. UPPER MERION, PA MONTGOMERY COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE. DATE OF PERMIT ISSUANCE-- 01/25/80  
 PERMIT NO. 79PA15 ESTIMATED DATE OF START-UP-- 1981  
 DETERMINATION MADE BY EPA REGION III VERNON BUTLER  
 (AGENCY) (AGENCY CONTACT PERSON) (215)-597-2711  
 (PHONE)

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

2 BOILERS, EA 700.00 HP EA SO2 0.2000 % BY WT #2 OIL BACT  
 1.6800 MMGALS/YR OIL  
 2 INCINERATORS, EA PM 2.0000 LB/H BACT  
 VENTURI SCRUBBER 99.00  
 SO2 3.0000 LB/H BACT  
 VENTURI SCRUBBER 97.50  
 NACH INJ.  
 GRINDER VE 20.0000 % OPACITY BACT  
 BAGHOUSE 99.50

NOTES -----

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- OTHER CHEMICAL

COMPANY NAME/SITE LOCATION TENNESSEE EASTMAN CO.  
P.O. BOX 511

KINGSPOINT, TN 37662

SULLIVAN COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.

PERMIT NO. TN 065

DETERMINATION MADE BY TENNESSEE APCD  
(AGENCY)

ANGIE PITCOCK  
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 06/05/81  
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

BOILER-COAL FIRED 780.00 MMBTU/H

|     |               |            |
|-----|---------------|------------|
| PM  | 14.0000 LB/H  | BACT       |
|     | FABRIC FILTER |            |
| SO2 | 936.0000 LB/H | 99.76 BACT |
|     | LOW S FUEL    |            |

COAL GASIFICATION-FUGITIVE

|    |                              |      |
|----|------------------------------|------|
| PM | 0.0020 GR/SCF                | BACT |
|    | ENCLOSED COAL TRANSFER PROC. |      |

NOTES -----

COAL GASIFICATION FOR CHEMICAL INTERMEDIATES

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- OTHER CHEMICAL

COMPANY NAME/SITE LOCATION TENNESSEE EASTMAN CO.

KINGSPORT, TN

SULLIVAN COUNTY

DETERMINATION IS B/L FOR A MODIFIED SOURCE.

PERMIT NO. DATE OF PERMIT ISSUANCE-- 07/02/81

DETERMINATION MADE BY TENNESSEE APCD

ANN NIELSON

ESTIMATED DATE OF START-UP--

(AGENCY)

(AGENCY CONTACT PERSON)

(615)-741-3651

(PHONE)

PROCESSES SUBJECT TO THIS PERMIT

THROUGHPUT CAPACITY

POLLUTANT EMITTED

EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION

... & BASIS ... PCT EFF

FLARES

160.80 LB/H

VOC

0.0005 LB/H

LAER

CO

0.0013 LB/H

INCINERATION

BACT

INCINERATION

99.00

NOTES -----

EMISSION LIMITS ARE FOR NATURAL GAS FOR PILOT LIGHTS OF FLARES

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

PAGE 6- 633

ID NUMBER TN-0007

SOURCE TYPE CODE 6.62

# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- OTHER CHEMICAL

COMPANY NAME/SITE LOCATION UNION CARBIDE  
P.O. BOX 428

WOODBINE, GA 31569

CAMDEN COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.

PERMIT NO. GA 069

DETERMINATION MADE BY

GEORGIA EPD  
(AGENCY)

BILL MITCHELL

(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 02/10/81  
ESTIMATED DATE OF START-UP-- 1982  
(404)-656-6900  
(PHONE)

PROCESSES SUBJECT  
TO THIS PERMIT

THROUGHPUT  
CAPACITY

POLLUTANT  
EMITTED

EMISSION LIMITS  
CONTROL EQUIPMENT OR PROCESS MODIFICATION

... & BASIS  
... PCT EFF

BOILERS

S02 418.0000 T/YR  
1 1/2 S FUEL

NOTES -----

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

PAGE 6- 634

ID NUMBER GA-0005

SOURCE TYPE CODE 6.62

# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- OTHER CHEMICAL

COMPANY NAME/SITE LOCATION UNIROYAL CHEMICAL, DIV. OF UNIROYAL INC.  
P.O. BOX 397

GEISMAR, LA

ASCENSION PARISH

DETERMINATION IS BACT FOR A MODIFIED SOURCE.

PERMIT NO. LA-250  
DETERMINATION MADE BY

EPA REGION VI  
(AGENCY)

JOHN BUNYAK  
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 09/26/80  
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

INCIN., WASTE

25.00 MMBTU/H

NOX 4588.8000 LB/D

BACT  
20.00

CAUSTIC SCRUB.  
LOW NOX BURNERS, LEA FIRING

SO2 23.4000 LB/3 H

BACT  
95.00

PM 28.8000 LB/D

BACT  
98.00

CAUSTIC SCRUB

NOTES -----

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

PAGE G- 635

ID NUMBER LA-0028

SOURCE TYPE CODE 6.62

# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

45.00 MM

OTHER CHEMICAL

LOS ANGELES, CA 90010

U.S. BORAX & CHEMICAL CORP.  
3075 WILSHIRE BLVD

DATE OF PERMIT ISSUANCE--  
ESTIMATED DATE OF START-UP--  
(415)-974-8235  
(PHONE)

JOE SLAMOVICH  
(AGENCY CONTACT PERSON)

DETERMINATION IS BACT FOR A MODIFIED SOURCE.  
PERMIT NO. SE-82-02  
DETERMINATION MADE BY EPA REGION IX  
(AGENCY)

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

|             |               |     |               |                     |       |
|-------------|---------------|-----|---------------|---------------------|-------|
| GAS TURBINE | 3855.00 GAL/H | CO  | 72.0000 LB/H  | BACT                |       |
|             |               | NOX | 230.0000 LB/H | BACT                |       |
|             |               | SO2 | 219.0000 LB/H | WATER INJECTION     | 70.00 |
|             |               |     |               |                     |       |
|             |               | PM  | 18.0000 LB/H  | BACT                |       |
|             |               | VOC | 0.5000 LB/H   | COMBUSTION CONTROLS | BACT  |
|             |               |     |               |                     |       |
|             |               | PB  | 0.0140 LB/H   | BACT                |       |

NOTES -----

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.



# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- OTHER CHEMICAL

COMPANY NAME/SITE LOCATION VELSICOL CHEMICAL CO.

CHATTANOOGA, TN

DETERMINATION IS BACT FOR A MODIFIED SOURCE.

PERMIT NO. 30-38C

DETERMINATION MADE BY CHATTANOOGA APCB

(AGENCY)

JAMES FRENCH

(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 10/08/82

ESTIMATED DATE OF START-UP-- 1982

(615)-867-4321

(PHONE)

PROCESSES SUBJECT TO THIS PERMIT

THROUGHPUT CAPACITY

POLLUTANT EMISSION LIMITS  
CONTROL EQUIPMENT OR PROCESS MODIFICATION

... & BASIS  
... PCT EFF

ACID PLANT

4155.00 LB/H

VOC

BACT

EXPANSION PLANT

4588.00 LB/H

BEN\*

1.8000 LB/H

BACT

BENZOTRICHORIDE SYNTHESIS

5000.00 LB/H

BEN\*

0.4500 LB/H

BACT

BENZYL CHLORIDE SYNTHESIS

5000.00 LB/H

BEN\*

0.4500 LB/H

BACT

VOC\*

6.8500 LB/H

BACT

WET SCRUB & CARBON ADSORPTION

WET SCRUB & CARBON ADSORPTION

BACT

WET SCRUB & CARBON ADSORPTION

WET SCRUB & CARBON ADSORPTION

BACT

NOTES -----

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

PAGE 6- 637

ID NUMBER TN-0016

SOURCE TYPE CODE 6-62

# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- OTHER CHEMICAL

COMPANY NAME/SITE LOCATION 3M CO., CHEMOLITE

ST. PAUL, MN

DETERMINATION IS BACT FOR A NEW SOURCE.

PERMIT NO. 23A-81-I-49

DETERMINATION MADE BY MINNESOTA PCA

(AGENCY)

JERRY LIEFERT

(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 10/08/81

ESTIMATED DATE OF START-UP-- 1981

(612)-296-7272

(PHONE)

PROCESSES SUBJECT TO THIS PERMIT

THROUGHPUT CAPACITY

POLLUTANT EMITTED

EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION

... & BASIS ... PCT EFF

ABRASIVE MINERAL PROCESS

325.00 T/YR

NOX

88.0000 T/YR MAX

SCRUBBER

BACT

95.00

NOTES -----

CONVENTIONAL UNITS AVAILABLE CONVERT ONLY ONE-THIRD OF THE NITROGEN DIOXIDE TO NO. CONTROL EFFICIENCIES ARE <LESS THAN 67% OF THE TOTAL OXIDES.

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

PAGE 6- 638

ID NUMBER MN-0004

SOURCE TYPE CODE 6.62

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- FEED/GRAIN MILLS AND ELEVATORS

COMPANY NAME/SITE LOCATION ALLEN PRODUCTS CO., INC.

SOUTH WHITEHALL TOWNSHIP, PA

LEHIGH COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.

PERMIT NO. 79PA13

DETERMINATION MADE BY EPA REGION III

(AGENCY)

BOB BLASZCZAK

(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 09/04/79

ESTIMATED DATE OF START-UP-- 1979

(215)-597-8186

(PHONE)

PROCESSES SUBJECT TO THIS PERMIT

THROUGHPUT CAPACITY

POLLUTANT EMITTED

EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION

... & BASIS ... PCT EFF

GRAIN UNLOAD STATION

4.70 MCF/H

PM

1.0000 LB/H

BAGHOUSE

BACT

99.90

GRINDING & BLENDING STATION

35.00 MLB/H

PM

0.5000 LB/H

BAGHOUSE

BACT

99.90

NOTES -----

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- FEED/GRAIN MILLS AND ELEVATORS 2.00 MMBU/YR

COMPANY NAME/SITE LOCATION BROOKPORT BARGE POINT, INC P.O. BOX 147 BROOKPORT, IL 62910 MASSAC COUNTY

DETERMINATION IS FOR A NEW SOURCE. PERMIT NO. C8008003 DATE OF PERMIT ISSUANCE-- 04/03/81 ESTIMATED DATE OF START-UP-- DETERMINATION MADE BY ILLINOIS EPA (AGENCY) CHRIS ROMAINE (217)-782-2113 (PHONE) (AGENCY CONTACT PERSON)

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

|           |              |    |              |                                                |       |
|-----------|--------------|----|--------------|------------------------------------------------|-------|
| RECEIVING | 2.00 MMBU/YR | PM | 35.0000 LB/H | ASPIRATION TO BAGHOUSE ENCLOSURE               | 90.00 |
| HANDLING  | 2.00 MMBU/YR | PM | 5.2500 LB/H  |                                                |       |
| LOAD-OUT  | 2.00 MMBU/YR | PM | 10.5000 LB/H | ASPIRATION TO BAGHOUSE DEADBOX ON TIP OF SPOUT | 90.00 |
| CLEANING  |              | PM | 2.1000 LB/H  |                                                |       |
| DRYING    |              | PM | 0.8400 LB/H  | BUILT IN SCREENS                               | 90.00 |

NOTES ----- NON-MAJOR PROJECT DEEMED CONTROVERSIAL DUE TO PUBLIC INTEREST. PUBLIC HEARING HELD.

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- FEED/GRAIN MILLS AND ELEVATORS 30.00 MMBU/YR

COMPANY NAME/SITE LOCATION BUNGE CORP. SAVAGE, MN

DETERMINATION IS BACT FOR A MODIFIED SOURCE. DATE OF PERMIT ISSUANCE-- 01/08/82  
 PERMIT NO. 393A-81-I-6 ESTIMATED DATE OF START-UP-- 1982  
 DETERMINATION MADE BY MINNESOTA PCA GEORGE VASILAKES  
 (AGENCY) (AGENCY CONTACT PERSON) (612)-296-7267  
 (PHONE)

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

BARGE LOADOUT CONVEYOR & LOADOUT\* 30.00 MMBU/YR PM 31.0000 T/YR BACT 99.00  
 BAGHOUSE DUST SUPPRESSOR

NOTES -----

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- FEED/GRAIN MILLS AND ELEVATORS

COMPANY NAME/SITE LOCATION CARGILL, INC. DAYTON, OH 45415 MONTGOMERY COUNTY  
3201 NEEDMORE RD.

DETERMINATION IS BACT FOR A NEW SOURCE. DATE OF PERMIT ISSUANCE-- 01/19/78  
PERMIT NO. 08-124 ESTIMATED DATE OF START-UP-- 1981  
DETERMINATION MADE BY RAPCA - DAYTON, OH VICKIE SARVER (513)-225-4435  
(AGENCY) (AGENCY CONTACT PERSON) (PHONE)

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

|             |                |     |                                 |            |
|-------------|----------------|-----|---------------------------------|------------|
| COAL BOILER | 567.00 MMBTU/H | PH  | 0.0250 LB/MMBTU BAGHOUSE        | BACT 99.00 |
|             |                | SO2 | 1.2000 LB/MMBTU LOW SULFUR COAL | BACT       |

NOTES -----  
SINGLE SOURCE (CRSTER) DISPERSION MODEL USING HOURLY MET. DATA TO ESTIMATE POLLUTANTS' IMPACTS. (ONE YEAR MET. DATA.)

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- FEED/GRAIN MILLS AND ELEVATORS

COMPANY NAME/SITE LOCATION CORN PRODUCTS  
6400 ARCHER RD

BEDFORD PARK, IL 60501

COOK COUNTY

DETERMINATION IS LAER FOR A NEW SOURCE.  
PERMIT NO. 81040028-81040039  
DETERMINATION MADE BY ILLINOIS EPA  
(AGENCY)

CHRIS ROMAINE  
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 09/23/81  
ESTIMATED DATE OF START-UP-- 1982  
(217)-782-2113  
(PHONE)

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

NEW FEED DRYER

|    |             |                     |      |
|----|-------------|---------------------|------|
| PM | 8.4000 LB/H | CYCLONES, HIGH EFF. | LAER |
|----|-------------|---------------------|------|

SUGAR LOADING STATION

|    |             |          |      |
|----|-------------|----------|------|
| PM | 0.3900 LB/H | BAGHOUSE | LAER |
|----|-------------|----------|------|

STEEP VENTS

|    |             |              |      |
|----|-------------|--------------|------|
| PM | 0.6000 LB/H | WET SCRUBBER | LAER |
|----|-------------|--------------|------|

GERM CAKE TRANSPORT

|    |             |          |      |
|----|-------------|----------|------|
| PM | 1.6000 LB/H | CYCLONES | LAER |
|----|-------------|----------|------|

FEED TRANSPORT

|    |             |          |      |
|----|-------------|----------|------|
| PM | 2.0000 LB/H | CYCLONES | LAER |
|----|-------------|----------|------|

GERM DRYER TRANSPORT

|    |             |             |      |
|----|-------------|-------------|------|
| PM | 2.3000 LB/H | MULTICLONES | LAER |
|----|-------------|-------------|------|

(CONTINUED) CORN PRODUCTS

| PROCESSES SUBJECT<br>TO THIS PERMIT | THROUGHPUT<br>CAPACITY | POLLUTANT<br>EMITTED | EMISSION LIMITS<br>CONTROL EQUIPMENT OR PROCESS MODIFICATION | ... & BASIS<br>... PCT EFF |
|-------------------------------------|------------------------|----------------------|--------------------------------------------------------------|----------------------------|
| DUST BIN PICKUPS                    |                        | PM                   | 1.2000 LB/H<br>SCRUBBER                                      | LAER                       |
| GERM FLAKE TRANSPORT                |                        | PM                   | 4.5900 LB/H<br>CYCLONE (2 STAGE) & SCRUBBER                  | LAER                       |
| GLUTEN DRYER                        |                        | PM                   | 2.1000 LB/H<br>CYCLONES, HIGH EFF.                           | LAER                       |
| DUST PICKUP-ELEVATOR & CONV.        |                        | PM                   | 1.5000 LB/H<br>CYCLONES, HIGH EFF.                           | LAER                       |
| PELLET DUST COLLECTION SYS.         |                        | PM                   | 1.1300 LB/H<br>CYCLONES, 2 STAGE                             | LAER                       |
| GLUTEN DRYER                        |                        | PM                   | 1.1400 LB/H<br>CYCLONES, HIGH EFF.                           | LAER                       |

NOTES -----

LAER EMISSION LIMITS STATED FOR MAXIMUM EQUIPMENT THROUGHPUT. EMISSION RATES TO BE ADJUSTED PROPORTIONATELY FOR OPERATIONAL THROUGHPUT.

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.



# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- FERMENTATION AND ALCOHOLIC BEVERAGES

COMPANY NAME/SITE LOCATION ANHEUSER-BUSCH, INC.

VAN NUYS, CA

DETERMINATION IS BACT FOR A MODIFIED SOURCE.  
 PERMIT NO. (REGION FILE NO.) LA-78-18  
 DETERMINATION MADE BY EPA REGION IX  
 (AGENCY)

JIM HANSON  
 (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 02/01/79  
 ESTIMATED DATE OF START-UP--  
 (415)-974-8038  
 (PHONE)

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

|                     |                |     |                                                                    |      |
|---------------------|----------------|-----|--------------------------------------------------------------------|------|
| STEAM BOILERS, 2 EA | 125000.00 LB/H | SO2 | 0.2100 % S FUEL OIL<br>SULFUR IN FUEL                              | BACT |
|                     |                | NOX | 0.2700 LB/MMBTU<br>0.4700 LB/MMBTU                                 | LAER |
|                     |                |     | LOW NOX BURNERS<br>DERATING OVERSIZED BOILERS & TWO STAGE COMBUST* |      |

NOTES -----

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- FERMENTATION AND ALCOHOLIC BEVERAGES 10.00 MMBBL/YR

COMPANY NAME/SITE LOCATION ANHEUSER-BUSCH, INC. ST. LOUIS, TX 63118 HARRIS COUNTY  
721 PESTALOZZI ST.

DETERMINATION IS BACT FOR A MODIFIED SOURCE. DATE OF PERMIT ISSUANCE--  
PERMIT NO. (REGION FILE NO.) PSD-TX-246 ESTIMATED DATE OF START-UP--  
DETERMINATION MADE BY EPA REGION VI (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 |
|----------------------------------|---------------------|-------------------|-------------------------------------|-------------------------------------------|-------------------------|
| COAL BOILERS, 3                  | 178.00 MMBTU/H EA   | CO                | 11.2000 LB/H EA<br>0.0630 LB/MMBTU  | NONE REQUIRED                             | BACT                    |
|                                  |                     | NOX               | 125.0000 LB/H EA<br>0.7000 LB/MMBTU | COMBUSTION CONTROL                        | BACT                    |
| OIL BOILERS, 3                   | 77.00 MMBTU/H EA    | CO                | 2.7000 LB/H EA<br>0.0350 LB/MMBTU   | NONE REQUIRED                             | BACT                    |
|                                  |                     | NOX               | 32.1000 LB/H EA<br>0.4200 LB/MMBTU  | COMBUSTION CONTROL                        | BACT                    |

NOTES -----  
ONLY ONE OIL FIRED BOILER MAY BE OPERATED WHEN ALL THREE COAL FIRED BOILERS ARE IN OPERATION.

(\* ) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- FERMENTATION AND ALCOHOLIC BEVERAGES 221.00 MMBTU 3 EA

COMPANY NAME/SITE LOCATION COORS CO. ELKTON, VA ROCKINGHAM COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE. DATE OF PERMIT ISSUANCE-- 03/19/81  
 PERMIT NO. 80VA01 ESTIMATED DATE OF START-UP--  
 DETERMINATION MADE BY EPA REGION III (215)-597-8187  
 (AGENCY) EILEEN GLEN (PHONE)  
 (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, 3            | 221.00 MMBTU EA | PM  | 0.0500 LB/MMBTU BAGHOUSE &FGD            | BACT 99.00 |
|                                  |                 | SO2 | 0.2400 LB/MMBTU                          | 99.00      |
|                                  |                 | NOX | 0.6000 LB/MMBTU BAGHOUSE &FGD            | BACT       |
|                                  |                 | CO  | 0.4000 LB/MMBTU                          | BACT       |
|                                  |                 | VOC | 0.0200 LB/MMBTU                          | BACT       |
| COAL RECEIVIN                    |                 | VE  | 5.0000 % OPACITY                         | BACT       |
|                                  |                 | PM  | 2.8600 LB/H                              | BACT       |
| COAL BUNKERS                     |                 |     | 5.0000 % OPACITY FABRIC FILTER COLLECTOR | 99.90      |
|                                  |                 | PM  | 1.2900 LB/H                              | BACT       |
| SCREENING & MILLING SYS, BARLEY* |                 |     | 5.0000 % OPACITY FABRIC FILTER COLLECTOR | 99.95      |
|                                  |                 | PM  | 0.6500 LB/H                              | BACT       |
|                                  |                 |     | 5.0000 % OPACITY FABRIC FILTER COLLECTOR | 99.50      |

(CONTINUED) COORS CO.

| PROCESSES SUBJECT<br>TO THIS PERMIT | THROUGHPUT<br>CAPACITY | POLLUTANT<br>EMITTED | EMISSION LIMITS<br>CONTROL EQUIPMENT OR PROCESS MODIFICATION | ... & BASIS<br>... PCT EFF |
|-------------------------------------|------------------------|----------------------|--------------------------------------------------------------|----------------------------|
| RICE STOR., SCREEN AND MILLING      |                        | PM                   | 2.5900 LB/H<br>5.0000 % OPACITY<br>FABRIC FILTER COLLECTOR   | BACT<br>99.50              |
| SPENT GRAIN DRYER                   |                        | PM                   | 0.1100 LB/H<br>5.0000 % OPACITY<br>WET SCRUBBING SYSTEM      | BACT<br>90.00              |
| DRY SPENT GRAIN STOR. AND HAND.*    |                        | PM                   | 1.6400 LB/H<br>5.0000 % OPACITY<br>FABRIC FILTER COLLECTOR   | BACT<br>99.95              |
| PELLET BULK STORAGE                 |                        | PM                   | 0.7300 LB/H<br>5.0000 % OPACITY<br>FABRIC FILTER COLLECTOR   | BACT<br>99.95              |
| FILTER MEDIA DRYER                  |                        | PM                   | 0.1400 LB/H<br>5.0000 % OPACITY<br>WET SCRUBBING SYSTEM      | BACT<br>99.50              |
| HANDLING SYS, DIATOMACEOUS EARTH    |                        | PM                   | 0.6500 LB/H<br>5.0000 % OPACITY<br>FABRIC FILTER COLLECTOR   | 99.90                      |
| LIME STOR. & HANDLING SYS.          |                        | PM                   | 0.6500 LB/H<br>5.0000 % OPACITY<br>FABRIC FILTER COLLECTOR   | BACT<br>90.00              |
| COATING OVEN, CAN PLANT             |                        | VOC                  | 11.0000 LB/H<br>CATALYTIC INCINERATOR                        | BACT<br>90.00              |

(CONTINUED) COORS CO.

| PROCESSES SUBJECT<br>TO THIS PERMIT | THROUGHPUT<br>CAPACITY | POLLUTANT<br>EMITTED | EMISSION LIMITS<br>CONTROL EQUIPMENT OR PROCESS MODIFICATION    | ... & BASIS<br>... PCT EFF |
|-------------------------------------|------------------------|----------------------|-----------------------------------------------------------------|----------------------------|
| COATING OVEN, CAN PLANT             |                        | VOC                  | 5.0000 LB/H                                                     | BACT                       |
| STORAGE PILE, COAL ACTIVE           |                        | PM                   | 0.4600 LB/H<br>5.0000 % OPACITY<br>WET SUPPRESSION SYSTEM       | BACT                       |
| COAL DEAD STORAGE PILES             |                        | PM                   | 0.2300 LB/H<br>5.0000 % OPACITY<br>CHEMICAL WETTING AGENTS      | BACT                       |
| STORAGE, COAL RECLAIM HOPPER AC*    |                        | PM                   | 2.8600 LB/H<br>5.0000 % OPACITY<br>FABRIC FILTER COLLECTOR      | BACT<br>99.95              |
| COAL RECLAIM FROM DEAD STORAGE      |                        | PM                   | 0.4600 LB/H                                                     | BACT                       |
| COAL CAR THAWING HEATER             |                        | PM                   | 0.1800 LB/H                                                     | BACT                       |
|                                     |                        | SO2                  | 3.0000 LB/H<br>.3% LOW SULFUR FUEL                              | BACT                       |
|                                     |                        | VOC                  | 1.0000 LB/H                                                     | BACT                       |
|                                     |                        | NOX                  | 2.0000 LB/H                                                     | BACT                       |
|                                     |                        | CO                   | 1.0000 LB/H                                                     | BACT                       |
| ASH SILO HANDLING SYS               |                        | PM                   | 0.3200 LB/H<br>5.0000 % OPACITY<br>FABRIC FILTER COLLECTOR      | BACT<br>99.95              |
| PNEUMATIC SYS, STARCH UNLOAD        |                        | PM                   | 1.2900 LB/H<br>5.0000 % OPACITY<br>CYCLONE SEPARATOR + BAGHOUSE | BACT<br>99.90              |

(CONTINUED) COORS CO.

| PROCESSES SUBJECT<br>TO THIS PERMIT | THROUGHPUT<br>CAPACITY | POLLUTANT<br>EMITTED | EMISSION LIMITS<br>CONTROL EQUIPMENT OR PROCESS MODIFICATION    | ... & BASIS<br>... PCT EFF |
|-------------------------------------|------------------------|----------------------|-----------------------------------------------------------------|----------------------------|
| STORAGE SYS, STARCH BREWHOUSE       |                        | PM                   | 1.2900 LB/H<br>5.0000 % OPACITY<br>CYCLONE SEPERATOR & BAGHOUSE | BACT<br>99.90              |
| DISTN. SYS, STARCH BREWHOUSE        |                        | PM                   | 0.6500 LB/H<br>5.0000 % OPACITY<br>FABRIC FILTER COLLECTOR      | BACT<br>99.90              |
| REC. SYS, BARLEY, MALT, & RICE      |                        | PM                   | 0.6500 LB/H<br>5.0000 % OPACITY<br>FABRIC FILTER COLLECTOR      | BACT<br>99.95              |

NOTES -----  
LIMITS NEEDED TO PROTECT CLASS I INCREMENTS & INTEGRAL VISTAS. SOURCE < 1 MILE FROM THE CLASS I AREA.

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- FERMENTATION AND ALCOHOLIC BEVERAGES 250000.00 BU/YR

COMPANY NAME/SITE LOCATION SCHREIER MALTING CO SHEYHOYGAN, WI

DETERMINATION IS BACT FOR A NEW SOURCE. DATE OF PERMIT ISSUANCE-- 04/21/80  
 PERMIT NO. ATT-04-80-60-016 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 |
|----------------------------------|---------------------|-------------------|-----------------------------------------------------------|-------------------------|
|----------------------------------|---------------------|-------------------|-----------------------------------------------------------|-------------------------|

KILN

CONVEY & HANDLE

|                                 |              |  |  |       |
|---------------------------------|--------------|--|--|-------|
| PM                              | 11.1100 LB/H |  |  |       |
| PM                              | 11.1100 LB/H |  |  | 99.90 |
| 3 EXISTING BAGHOUSES & FILTERS  |              |  |  |       |
| SETUP TANKS/PROD SPOUT/DUST STO |              |  |  |       |

NOTES -----  
 PRODUCTION NOT TO EXCEED 250000 BUSHEL MALT/YEAR, NATURAL GAS ONLY TO FREE RUN, NOT SUBJECT TO PSD

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- FERTILIZER PLANTS 1429.00 T/D P205

COMPANY NAME/SITE LOCATION AGRICO CHEMICAL CO. BARTOW, FL 33830 POLK COUNTY  
P.O. BOX 1969

DETERMINATION IS BACT FOR A MODIFIED SOURCE.  
PERMIT NO. FL-0016 DATE OF PERMIT ISSUANCE-- 03/20/80  
DETERMINATION MADE BY FLORIDA DER ESTIMATED DATE OF START-UP-- 1982  
(AGENCY) ED PALAGYI (904)-488-1344  
(AGENCY CONTACT PERSON) (PHONE)

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

|                            |                  |      |                           |      |
|----------------------------|------------------|------|---------------------------|------|
| PHOSPHORIC ACID PROD. LINE | 1429.00 T/D P205 | FLU* | 0.0200 LB/T P205 SCRUBBER | NSPS |
|----------------------------|------------------|------|---------------------------|------|

NOTES -----

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.



# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- FERTILIZER PLANTS

COMPANY NAME/SITE LOCATION AGRICO CHEMICAL CO.  
P.O. BOX 1969

BARTOW, FL 33830

POLK COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.

PERMIT NO. PSD-FL-061  
DETERMINATION MADE BY

FLORIDA DER  
(AGENCY)

ED PALAGYI  
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 01/21/81  
ESTIMATED DATE OF START-UP-- 1982  
(904)-488-1344  
(PHONE)

PROCESSES SUBJECT  
TO THIS PERMIT

THROUGHPUT  
CAPACITY

POLLUTANT  
EMITTED

EMISSION LIMITS  
CONTROL EQUIPMENT OR PROCESS MODIFICATION

... & BASIS  
... PCT EFF

DIAMONIUM PHOSPHATE

75000.00 T/YR

PM

4.3000 LB/H

SCRUBBER

BACT

FLU\*

0.5000 LB/H

SCRUBBER

96.00  
NSPS  
99.90

NOTES -----

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

PAGE 6- 653

ID NUMBER FL-0019

SOURCE TYPE CODE 7.6

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- FERTILIZER PLANTS

COMPANY NAME/SITE LOCATION CALIF. AMMONIA (CALANCO)

LANTHROP, CA

DETERMINATION IS BACT FOR A NEW SOURCE.

PERMIT NO. SJ80-07

DETERMINATION MADE BY EPA REGION IX

(AGENCY)

DON HARVEY

(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 05/08/81

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

NITRIC ACID PLANT

250.00 T/D

NOX

210.0000 PPM

BACT

3.0000 LB/T 100% HNO3

EXTENDED ABSORPTION COLUMN

94.00

NOTES -----

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

## SOURCE TYPE/SIZE--- FERTILIZER PLANTS

COMPANY NAME/SITE LOCATION CONSERV, INC.  
P.O. BOX 314

NICHOLS, FL 33863

POLK COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.

PERMIT NO. FL-076

DETERMINATION MADE BY FLORIDA DER  
(AGENCY)

WILLARD HARKS  
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 10/02/81  
ESTIMATED DATE OF START-UP-- 1983  
(904)-488-1344  
(PHONE)

PROCESSES SUBJECT  
TO THIS PERMIT

THROUGHPUT  
CAPACITY

POLLUTANT  
EMITTED

EMISSION LIMITS  
CONTROL EQUIPMENT OR PROCESS MODIFICATION

... & BASIS  
... PCT EFF

SULFURIC ACID PLANT

2000.00 T/D

SO2

333.4000 LB/H

NSPS

ACI\*

12.5000 LB/H

NSPS

DOUBLE ADSORPTION

ACID MIST ELIMINATION

NOTES -----

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

PAGE G- 655

ID NUMBER FL-0028

SOURCE TYPE CODE 7-6

# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- FERTILIZER PLANTS 1750.00 T/D H2SO4

COMPANY NAME/SITE LOCATION GARDINIER, INC. TAMPA, FL 33601 HILLSBOROUGH COUNTY  
U.S. 41 AND RIVERVIEW DR.

DETERMINATION IS LAER FOR A MODIFIED SOURCE. DATE OF PERMIT ISSUANCE-- 07/11/80  
PERMIT NO. PSD-FL-026 ESTIMATED DATE OF START-UP-- 1982  
DETERMINATION MADE BY WILLARD HAWKS (904)-488-1344  
(AGENCY) (AGENCY CONTACT PERSON) (PHONE)

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

SULFURIC ACID PLANT #7 145833.00 LB/H ACI\* 10.9000 LB/H NSPS  
DOUBLE ADSORPTION 291.7000 LB/H 70.00

NOTES -----

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

## SOURCE TYPE/SIZE--- FERTILIZER PLANTS

COMPANY NAME/SITE LOCATION NEW WALES CHEMICALS, INC.  
P.O. BOX 1035

MULBERRY, FL 33860

POLK COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.

PERMIT NO. FL-072

DETERMINATION MADE BY

FLORIDA DER  
(AGENCY)

WILLARD HARKS

(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 06/01/81  
ESTIMATED DATE OF START-UP-- 1982  
(904)-488-1344  
(PHONE)

PROCESSES SUBJECT  
TO THIS PERMIT

THROUGHPUT  
CAPACITY

POLLUTANT  
EMITTED

EMISSION LIMITS

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

SULFURIC ACID PLANT

2750.00 T/D H2SO4

SO2

458.3000 LB/H

NSPS

ACI\*

17.2000 LB/H

DOUBLE ADSORPTION

NSPS

NOTES -----

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

PAGE 6- 657

ID NUMBER FL-0027

SOURCE TYPE CODE 7.6

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- FERTILIZER PLANTS 420.00 T/D

COMPANY NAME/SITE LOCATION OCCIDENTAL CHEMICAL CO.  
SR 137 N. WHITE SPRINGS WHITE SPRINGS, FL 32096 HAMILTON COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.  
PERMIT NO. PSD-FL-067  
DETERMINATION MADE BY FLORIDA DER (AGENCY)  
WILLARD HAKKS (AGENCY CONTACT PERSON)  
DATE OF PERMIT ISSUANCE-- 01/29/81  
ESTIMATED DATE OF START-UP-- 1982  
(904)-488-1344 (PHONE)

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

DEFUORINIZATION UNIT 420.00 T/D  
FLU\* 0.0400 LB/T  
0.7000 LB/H  
WET SCRUBBER  
BACT 95.00

NOTES -----

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- FERTILIZER PLANTS 484000.00 T/YR PHOSPHORIC FERT

COMPANY NAME/SITE LOCATION USS AGRI-CHEMICALS P. O. BOX 150 BARTON (FT. MEADE COMPLEX), FL 38830 POLK COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE. PERMIT NO. PSD-FL-064 DATE OF PERMIT ISSUANCE-- 04/01/81 ESTIMATED DATE OF START-UP-- 1982 DETERMINATION MADE BY FLORIDA DER (AGENCY) ED PALAGYI (904)-488-1344 (PHONE) (AGENCY CONTACT PERSON)

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

SULFURIC ACID PROD. \*55000.00 T/YR SO2 40.0000 LB/T 100% H2SO4 NSPS 70.00  
 PHOSPHORIC ACID PROD. 484000.00 T/YR FLU\* 0.0200 LB/T P2O5 NSPS 95.00  
 SCRUBBERS

NOTES -----

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- FERTILIZER PLANTS 115.00 T/H

COMPANY NAME/SITE LOCATION W R GRACE & CO BARTON, FL 33601 POLK COUNTY  
P.O. BOX 310

DETERMINATION IS NSPS FOR A MODIFIED SOURCE. DATE OF PERMIT ISSUANCE-- 04/01/81  
PERMIT NO. PSD-FL-068 ESTIMATED DATE OF START-UP-- 1983  
DETERMINATION MADE BY WILLARD HAWKS (904)-488-1344  
(AGENCY) (AGENCY CONTACT PERSON) (PHONE)

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

DIANTONIUM PHOSPHATE PLANT 115.00 T/H  
FLU\* 0.0600 LB/T P205 FEED NSPS  
95.00  
DRYER S02 39.0000 LB/H BACT  
LOW SULFUR AND OIL

NOTES -----

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.



# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- FATS/VEGETABLE OILS 360000.00 T SOYBEAN PROC.

COMPANY NAME/SITE LOCATION OWENSBORO GRAIN CO. 923 EAST 2ND ST. OWENSBORO, KY 42301 DAVIESE COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE. PERMIT NO. C-81-70 DATE OF PERMIT ISSUANCE-- 08/24/81 ESTIMATED DATE OF START-UP-- 1982 DETERMINATION MADE BY KENTUCKY DAPC (AGENCY) BILL DILLS (AGENCY CONTACT PERSON) (502)-564-3382 (PHONE)

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

BOILER, COAL FIRED, & FUEL HAND\* 130.50 MMBTU/H SO2 1.6000 LB/MMBTU 1 1/2 S COAL NOX 0.7000 LB/MMBTU COMBUSTION CONTROL VOC 2.9000 LB HEXANE/T SOYBEAN 517.2000 T/YR MINERAL OIL SCRUBBER 98.00 PM NOT APPLICABLE

NOTES ----- NON-ATTAINMENT AREA FOR PM - REVIEW NOT APPLICABLE.

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- FRUITS/VEGETABLES PROCESSING

COMPANY NAME/SITE LOCATION A.E. STALEY MFG. CO.

DES MOINES, IA

POLK COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.

PERMIT NO.

DETERMINATION MADE BY EPA REGION VII

(AGENCY)

CHARLES WHITMORE

(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 07/30/81

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

BOILER, COAL FIRED, 2 UNITS

150.00 MMBTU/H EA

SO2

1.6000 LB/MMBTU MAX

1.2000 LB/MMBTU - 30 D AVG

LOW SULFUR COAL

NOX 0.6000 LB/MMBTU

SPREADER STOKER, DESIGN TECH.

BACT

BACT

NOTES -----

COAL FIRED BOILER TO REPLACE EXISTING OIL FIRED BOILERS. ONE OIL-FIRED BOILER TO REMAIN AND BE USED ONLY AS A STAND-BY.

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

PAGE G- 662

ID NUMBER IA-0004

SOURCE TYPE CODE 7.11

# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- OTHER FOOD & AGRICULTURAL 45.00 MMBU/YR

COMPANY NAME/SITE LOCATION BOONE VALLY COOP.

EAGLE GROVE, IA

DETERMINATION IS BACT FOR A MODIFIED SOURCE.

DATE OF PERMIT ISSUANCE-- 08/28/81

PERMIT NO. EPA REGION VII

DANIEL RODRIGUEZ

(AGENCY CONTACT PERSON)

(816)-374-6525

(PHONE)

PROCESSES SUBJECT TO THIS PERMIT

THROUGHPUT CAPACITY

POLLUTANT EMISSION LIMITS

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

COAL-FIRED BOILER

146.50 MMBTU/H

SO2 2.0000 LB/MMBTU

NOX 0.6000 LB/MMBTU

LOW S WESTERN COAL

LEA AND STAGED COMBUSTION

MINERAL OIL SCRUBBER

MEAL DRYER

MEAL COOLER

VOC 0.0700 GAL/T SOYBEAN PROC.

VOC 0.2500 GAL/T SOYBEAN PROC.

VOC 0.2000 GAL/T SOYBEAN PROC.

NOTES

VOC EMISSIONS ARE CONTROLLED BY THE DESIGN OF THE SOY EXTRACTION PROCESS EQUIPMENT WHICH MINIMIZES THE LOSS OF HEXANE.

(\*) INDICATE DATA WAS TRUNCATED FOR THIS TABLE.

PAGE 6- 663

ID NUMBER IA-0008

SOURCE TYPE CODE 7.12

# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

113.00 MMBTU/H EA

OTHER FOOD & AGRICULTURAL

SOURCE TYPE/SIZE---

MAXTON, NC

COMPANY NAME/SITE LOCATION CAMPBELL SOUP CO.

DETERMINATION IS BACT FOR A NEW SOURCE.

PERMIT NO. NC-065

DETERMINATION MADE BY

NORTH CAROLINA DEM

(AGENCY)

MIKE SEWELL

(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 04/25/80

ESTIMATED DATE OF START-UP--

(919)-733-6126

(PHONE)

PROCESSES SUBJECT

TO THIS PERMIT

THROUGHPUT

CAPACITY

POLLUTANT

EMITTED

EMISSION LIMITS

CONTROL EQUIPMENT OR PROCESS MODIFICATION ... PCT EFF

... & BASIS

BOILER

113.00 MMBTU/H EA

S02

1.3000 LB/MMBTU

FUEL OIL 1.2% SULFUR

BACT

NOTES -----

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

PAGE 6- 664

ID NUMBER NC-0012

SOURCE TYPE CODE 7.12

# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- OTHER FOOD & AGRICULTURAL

COMPANY NAME/SITE LOCATION CAMPBELL SOUP CO.

NAPOLEON, OH

DETERMINATION IS BACT FOR A NEW SOURCE.

PERMIT NO. 033010105

DETERMINATION MADE BY OHIO EPA - NMD

(AGENCY)

SAMIR ARAJ

(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 03/20/81

ESTIMATED DATE OF START-UP-- 1982

(419)-352-8461

(PHONE)

PROCESSES SUBJECT  
TO THIS PERMIT

THROUGHPUT  
CAPACITY

POLLUTANT  
EMITTED

EMISSION LIMITS  
CONTROL EQUIPMENT OR PROCESS MODIFICATION

... & BASIS  
... PCT EFF

3 FLUIDIZED BED BOILERS

150000.00 LB/H STEAM

PH

0.1000 LB/MMBTU

BAGHOUSE

99.00

SO2

1.6000 LB/MMBTU

LIMESTONE INJECTION

85.00

NOX

## NOTES

PERMIT CONDITIONS ALLOW INDICATED MAXIMA FOR PARTICULATE AND SO2 EMISSIONS ONLY IF THE STACK TESTS SHOW THAT THE LIMITS CANNOT BE ACHIEVED. THEY ALSO REQUIRE DECOMMISSIONING OF TWO EXISTING OIL FIRED BOILERS (CAPY. 160000 LB/H), AND INSTALLATION OF CONTINUOUS OPACITY MONITOR PER 40 CFR PART 60.

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

PAGE 6- 665

ID NUMBER OH-0034

SOURCE TYPE CODE 7.12

# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

243.00 MMBTU/H

OTHER FOOD & AGRICULTURAL

SOURCE TYPE/SIZE---

DOVER, DE

COMPANY NAME/SITE LOCATION GENERAL FOODS CORP.

DETERMINATION IS BACT FOR A NEW SOURCE.  
 PERMIT NO. APC 83/074  
 DETERMINATION MADE BY DELEWARE DNR  
 (AGENCY)  
 HUGH MENGHI  
 (AGENCY CONTACT PERSON)  
 DATE OF PERMIT ISSUANCE-- 12/23/82  
 ESTIMATED DATE OF START-UP-- 1985  
 (302)-736-4791  
 (PHONE)

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

|                    |                |     |                 |  |       |
|--------------------|----------------|-----|-----------------|--|-------|
| BOILER, COAL FIRED | 243.00 MMBTU/H | S02 | 3.0400 LB/MMBTU |  |       |
|                    |                |     | 2% S COAL       |  |       |
|                    |                | PM  | 0.1000 LB/MMBTU |  |       |
|                    |                | NOX | 0.7000 LB/MMBTU |  | 99.00 |
|                    |                |     | ESP             |  |       |
|                    |                |     | FURNACE DESIGN  |  |       |

NOTES -----  
 BACT FOR S02 DETERMINED BY FUEL AVAILABILITY AND ECONOMICS

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- OTHER FOOD & AGRICULTURAL

COMPANY NAME/SITE LOCATION GRIFFIN INDUSTRIES

NEWSBERRY, IN

DETERMINATION IS BACT  
PERMIT NO.  
DETERMINATION MADE BY:

INDIANA APCD  
(AGENCY)

RICHARD WILLIAMSON  
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE--  
ESTIMATED DATE OF START-UP--  
(317)-633-0663  
(PHONE)

PROCESSES SUBJECT  
TO THIS PERMIT

THROUGHPUT  
CAPACITY

POLLUTANT  
EMITTED

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

BOILER, COAL FIRED

NOX 183.0000 T/YR

NOTES -----

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- OTHER FOOD & AGRICULTURAL

COMPANY NAME/SITE LOCATION HTC INDUSTRIES

SAN ANGELO, TX

TOM GREEN COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.

PERMIT NO. 8710

DETERMINATION MADE BY TEXAS ACB  
(AGENCY)

GARY WALLIN  
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 11/30/81  
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

BATCH COOKERS, 6

8000.00 LB EA

ODOR 100.0000 ODOR UNITS

VENTED TO BOILER FIRE BOXES

99.00

GAS/OIL FIRED BOILERS, 2

500.00 HP

NOX 0.3000 LB/H

CO 3.3000 LB/H

PM 0.7500 LB/H

SO2 5.4000 LB/H

PLANT AIR FROM 6 BATCH COOKERS 100000.00 ACFM

ODOR 100.0000 ODOR UNITS

HORIZONTAL, CROSSFLOW SCRUBBER

90.00

NOTES -----

ONE BOILER IS FOR STAND-BY OPERATION ONLY. POLLUTANT EMISSION RATES ARE FOR ONE BOILER, FIRING 100% NO. 2 FUEL OIL.

ANIMAL BY-PRODUCTS MUST BE FRESH.

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

PAGE 6- 668

ID NUMBER TX-0093

SOURCE TYPE CODE 7.12



# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- OTHER FOOD & AGRICULTURAL

COMPANY NAME/SITE LOCATION KNAPPEN VYLACTOS MOLASSES

ST. PAUL, MN

DETERMINATION IS BACT FOR A MODIFIED SOURCE.

PERMIT NO. 181-81-I-1

DETERMINATION MADE BY MINNESOTA PCA  
(AGENCY)

JERRY LIEFERT  
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 10/07/81  
ESTIMATED DATE OF START-UP-- 1981  
(612)-296-7272  
(PHONE)

PROCESSES SUBJECT  
TO THIS PERMIT

THROUGHPUT  
CAPACITY

POLLUTANT  
EMITTED

EMISSION LIMITS  
CONTROL EQUIPMENT OR PROCESS MODIFICATION

... & BASIS  
... PCT EFF

DRYING DRUM

14.50 T/H

PM

1.9400 T/YR

PARALLEL CYCLONES & INCIN.

BACT  
98.00

SETTLING CHAMBER SEPARATION CYC 37000.00 CF/M

PM

7.50 T/H

PM

FLUID BED CONVEYOR

PM

NOTES -----

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

PAGE G- 669

ID NUMBER MN-0005

SOURCE TYPE CODE 7.12

# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- OTHER FOOD & AGRICULTURAL 12.00 MMLB/YR DRY MILK

COMPANY NAME/SITE LOCATION LAND O'LAKES INC. MOUNTAIN LAKE, MN

DETERMINATION IS BACT FOR A MODIFIED SOURCE. DATE OF PERMIT ISSUANCE-- 10/08/81  
 PERMIT NO. 787U-81-I-1 ESTIMATED DATE OF START-UP-- 1981  
 DETERMINATION MADE BY MINNESOTA PCA JERRY LIEFERT  
 (AGENCY) (AGENCY CONTACT PERSON) (612)-296-7272  
 (PHONE)

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

SPRAY DRYER (MILK POWDER) 12.00 MMLB/H PM TRACE BACT  
 1.0000 T/YR BAGHOUSE 99.80  
 JET PULSE AIR CLEANING

NOTES -----

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- OTHER FOOD & AGRICULTURAL

COMPANY NAME/SITE LOCATION PACIFIC ADHESIVES COMPANY OF TEXAS FORT WORTH, TX TARRANT COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.  
 PERMIT NO. 6690A  
 DETERMINATION MADE BY TEXAS ACB (AGENCY)  
 GARY WALLIN (AGENCY CONTACT PERSON)  
 DATE OF PERMIT ISSUANCE-- 09/02/82  
 ESTIMATED DATE OF START-UP-- 1979  
 (512)-451-5711 (PHONE)

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

|                                  |                      |      |                                   |       |
|----------------------------------|----------------------|------|-----------------------------------|-------|
| BLOOD DRYER, DRIED BLOOD HANDLI* | 1300.00 LB/H DRIED * | PM   | 3.0000 T/YR<br>BAG FILTER         | 99.00 |
| BLOOD DRYER                      | 1300.00 LB/H DRIED * | ODOR | CYCLONE, VENTURI, PACKED SCRUBBER | 90.00 |

NOTES -----  
 ORIGINAL PERMIT, 6690, WAS ISSUED TO A DIFFERENT OWNER ON 1/26/79. NO CHANGE IN POLLUTANT CONTROLS WAS REQUIRED.

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

18.00 BALE/H

OTHER FOOD & AGRICULTURAL

FRESNO, CA

COMPANY NAME/SITE LOCATION PRODUCERS COTTON OIL CO.  
1/2 MILE EAST OF LASSEN AVE.

DETERMINATION IS B/L FOR A MODIFIED SOURCE. DATE OF PERMIT ISSUANCE-- 06/20/80  
PERMIT NO. ESTIMATED DATE OF START-UP-- 1980  
DETERMINATION MADE BY FRESNO COUNTY APCD WILLIAM RODDY (209)-445-3239  
(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 CLEANER MOIST AIR FAN | 18.00 BALE/H | PM | 0.0145 GR/SCF<br>ID-30 CYCLONE COLLECTORS |  |
| MOTES ROBBER (2ND CUT)   | 18.00 BALE/H | PM | 0.0290 GR/SCF<br>ID-30 CYCLONE COLLECTORS |  |
| MG LINT CLEANER          | 18.00 BALE/H | PM | 0.0007 GR/SCF<br>ID-30 CYCLONE COLLECTORS |  |
| MOTES                    | 18.00 BALE/H | PM | 0.0094 GR/SCF<br>ID-30 CYCLONE COLLECTORS |  |
| WAGON SUCTION            | 18.00 BALE/H | PM | 0.0102 GR/SCF<br>ID-30 CYCLONE COLLECTORS |  |

NOTES -----  
BOTH A BACT & A LAER DETERMINATION.

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

ID NUMBER CA-0041

SOURCE TYPE CODE 7.12

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- OTHER FOOD & AGRICULTURAL 248.00 MMBTU/H, 5, EA

COMPANY NAME/SITE LOCATION R. J. REYNOLDS TOBACCOVILLE, NC

DETERMINATION IS BACT FOR A NEW SOURCE.  
 PERMIT NO.  
 DETERMINATION MADE BY FORSYTH COUNTY ENV. AFFAIRS KEITH TART DATE OF PERMIT ISSUANCE--  
 (AGENCY) (AGENCY CONTACT PERSON) (919)-727-8060 ESTIMATED DATE OF START-UP--  
 (PHONE)

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

BOILER, PULVERIZED COAL FIRED,5 248.00 MMBTU/H EA

|      |                 |       |
|------|-----------------|-------|
| PM   | 0.0500 LB/MMBTU | BACT  |
| BE   | 0.0004 GM/MMBTU | BACT  |
| PB   | 0.0009 GM/MMBTU | 99.50 |
| SO2  | 1.2000 LB/MMBTU | BACT  |
| NO2  | 0.7000 LB/MMBTU | 99.50 |
| FLU* | 0.0048 LB/MMBTU | NSPS  |
| HG   | 0.0030 GM/MMBTU | NSPS  |
| CO   | 0.0370 LB/MMBTU | BACT  |
| VOC  | 0.0110 LB/MMBTU | BACT  |
| PM   | 0.0400 LB/T     | BACT  |
| FUG* | 0.1100 GR/T     | 99.90 |

ASH HANDLING 2.20 T/H

UNLOADING COAL FROM RAIL CARS 254040.00 T/YR

PARTIAL ENCLOSURE & CHEM. SPRAY

LAER 97.00

(CONTINUED) R. J. REYNOLDS

| PROCESSES SUBJECT<br>TO THIS PERMIT | THROUGHPUT<br>CAPACITY | POLLUTANT<br>EMITTED | EMISSION LIMITS<br>CONTROL EQUIPMENT OR PROCESS MODIFICATION | ... & BASIS<br>... PCT EFF |
|-------------------------------------|------------------------|----------------------|--------------------------------------------------------------|----------------------------|
| COAL STORAGE PILE                   | 254040.00 T/YR         | FUG*                 | 0.0130 LB/T<br>STACKER/TELESCOPIC CHUTE/CHEM. STAB.          | BACT<br>96.00              |
| CIGARETTE MFG                       | 37.50 T/H              | PM                   | 0.2500 LB/T<br>BAGHOUSE & WET SCRUBBER                       | BACT<br>99.90              |
|                                     |                        | FUG*                 | 0.2100 LB/T                                                  | BACT                       |
|                                     |                        | VOC                  | 11.6300 LB/T<br>PROCESS CHANGE                               | 74.00                      |
| VEHICLE TRAFFIC                     | 2275.00 VEH/D          | FUG*                 | 7.2000 LB/D<br>FLUSHING/SPEED REDUCTION/PAVING               | 88.00                      |

NOTES -----  
PSD APPLICATION IS BEING REVIEWED AT PRESENT AND NO PERMITS HAVE BEEN ISSUED.

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- OTHER FOOD & AGRICULTURAL 302.60 MMBTU/H

COMPANY NAME/SITE LOCATION R. J. REYNOLDS TOBACCO CO.  
FOURTH & PATTERSON AVE WINSTON-SALEM, NC

DETERMINATION IS BACT FOR A MODIFIED SOURCE.  
PERMIT NO. 00405-0004-P DATE OF PERMIT ISSUANCE-- 03/09/79  
DETERMINATION MADE BY FORSYTH COUNTY ENV. AFFAIRS KEITH TART ESTIMATED DATE OF START-UP-- 1979  
(AGENCY) (AGENCY CONTACT PERSON) (919)-727-8060 (PHONE)

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

|        |                |     |                                                 |               |
|--------|----------------|-----|-------------------------------------------------|---------------|
| BOILER | 302.60 MMBTU/H | PM  | 0.1000 LB/MMBTU<br>ESP                          | B/L<br>99.80  |
|        |                | SO2 | 1.2000 LB/MMBTU<br>LOW S FUEL                   | B/L           |
|        |                | NO2 | 0.7000 LB/MMBTU                                 | B/L           |
|        |                | VE  | COMBUSTION CONTROLS<br>20.0000 % OPACITY<br>ESP | LAER<br>99.80 |
|        |                |     |                                                 |               |

NOTES -----

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- PRIMARY ALUMINUM PRODUCTION 180500.00 T/YR

COMPANY NAME/SITE LOCATION ALCOA NC 740 BOX 576 BADIN, NC STANLY COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE. DATE OF PERMIT ISSUANCE-- 05/20/81  
 PERMIT NO. NC 078 ESTIMATED DATE OF START-UP-- 1982  
 DETERMINATION MADE BY MIKE SEWELL (919)-733-6126  
 (AGENCY) (AGENCY CONTACT PERSON) (PHONE)

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

|                  |                |      |                |      |
|------------------|----------------|------|----------------|------|
| ANODE PRODUCTION | 105260.00 T/YR | PM   | 9.0000 LB/H    | BACT |
|                  |                | SO2  | 13.0000 LB/H   | BACT |
|                  |                | VOC  | 5.0000 LB/H    | BACT |
| POT LINE 3       | 54500.00 T/YR  | PM   | 26.0000 LB/H   |      |
|                  |                |      | FAERIC FILTER  |      |
|                  |                | SO2  | 321.0000 LB/H  |      |
|                  |                | FLU* | 12.0000 LB/H   |      |
|                  |                |      | DRY SCRUBBER   |      |
|                  |                | CO2  | 1444.0000 LB/H |      |

NOTES -----

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.



# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE-- PRIMARY ALUMINUM PRODUCTION 612.00 T/D

COMPANY NAME/SITE LOCATION ALCOA WENATCHEE, WA

DETERMINATION IS FOR A MODIFIED SOURCE. DATE OF PERMIT ISSUANCE-- 02/12/82  
 PERMIT NO. (REGION FILE NO.) PSD-X82-04 ESTIMATED DATE OF START-UP-- 1984  
 DETERMINATION MADE BY EPA REGION X (206)-442-1106  
 (AGENCY) (AGENCY) (PHONE)

PAUL BOYS  
 (AGENCY CONTACT PERSON)

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

POTLINES 1,2,3 344.00 T/D S02 3.0000 % S IN COKE  
 46.0000 LB/T ALUMINUM  
 LIM. S CONTENT IN COKE, RAW

NOTES -----  
 THIS IS A MODIFICATION OF THE AIR POLLUTION CONTROL SYS ONLY. THERE WAS NO CHANGE IN PRODUCTION. THE STATE OF WASHINGTON REQUI  
 RED UP-GRADING THE APC SYS FROM A WET SCRUBBER TYPE TO THE A-398 DRY ALUMINA ABSORPTION & BAGHOUSE IN ORDER  
 TO IMPROVE CONTROL OF FLUORIDES AND PARTICULATE. THIS MODIFICATION RESULTED IN AN INCREASE IN S02.

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

## SOURCE TYPE/SIZE--- PRIMARY ALUMINUM PRODUCTION

COMPANY NAME/SITE LOCATION      ALRECO METALS CO.  
ARTHUR MENDEL ROAD      BENTON HARBOR, MI 49022      BERRIEN COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.  
PERMIT NO. 342-344-81      DATE OF PERMIT ISSUANCE-- 09/15/81  
DETERMINATION MADE BY MICHIGAN DNR      ESTIMATED DATE OF START-UP-- 1982  
(AGENCY)      (517)-322-1333  
DAVID FERRIER      (PHONE)  
(AGENCY CONTACT PERSON)

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

|                             |              |                   |                                                                                 |       |
|-----------------------------|--------------|-------------------|---------------------------------------------------------------------------------|-------|
| AL. HOLDING FURNACE         | 140000.00 LB | SO2               | 0.5200 LB/MMBTU<br>.5% SULFUR OIL                                               |       |
| AL. REVERB. FURNACE, 3 EA   | 200000.00 LB | FLU*<br>SO2<br>PM | 2.5000 MG/CU METER<br>0.5200 LB/MMBTU<br>0.0300 LB/HLB EXHAUST<br>FABRIC FILTER | 99.90 |
| SHREDDING OPERATION & DRYER |              | CL<br>PM          | 3.0000 MG/CU METER<br>0.0400 LB/HLB EXHAUST<br>FABRIC FILTER                    | 99.90 |

NOTES -----

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- PRIMARY ALUMINUM PRODUCTION 220000.00 T/YR

COMPANY NAME/SITE LOCATION ALUMAX PACIFIC CORP. UMATILLA, OR

DETERMINATION IS BACT FOR A NEW SOURCE. DATE OF PERMIT ISSUANCE-- 01/20/83  
 PERMIT NO. 30-0074 ESTIMATED DATE OF START-UP--  
 DETERMINATION MADE BY OREGON DEQ (503)-229-5186  
 (AGENCY) (AGENCY CONTACT PERSON) (PHONE)

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

|              |                |      |                                                             |  |      |
|--------------|----------------|------|-------------------------------------------------------------|--|------|
| ENTIRE PLANT | 220000.00 T/YR | PH   | 5.4000 LB/T MONTHLY AV<br>5.0000 LB/T ANNUAL AV             |  | PSD  |
|              |                | FLU* | BAGHOUSE<br>1.3000 LB/T MONTHLY AV<br>1.0000 LB/T ANNUAL AV |  | BACT |
| ANODE COKE   |                | SO2  | 3.0000 %<br>SULFUR LIMIT IN COKE                            |  | BACT |

NOTES -----

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- PRIMARY ALUMINUM PRODUCTION

COMPANY NAME/SITE LOCATION ARCO ALUMINUM  
P.O. BOX 44

HENDERSON, KY 42420

DETERMINATION IS BACT FOR A MODIFIED SOURCE.  
PERMIT NO. C-83-48  
DETERMINATION MADE BY KENTUCKY DAPC  
(AGENCY)

BILL DILLS  
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 04/18/83  
ESTIMATED DATE OF START-UP--  
(502)-564-3382  
(PHONE)

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

UNREACTED ORE STORAGE, 3 TANKS

|    |             |          |  |       |
|----|-------------|----------|--|-------|
| PM | 0.7100 LB/H | BAGHOUSE |  | 99.00 |
| PM | 0.5800 LB/H | BAGHOUSE |  | 99.00 |
| PM | 1.4000 LB/H | BAGHOUSE |  | 99.00 |

AL REDUCTION POTROOM LINES, 4 7.20 T/H ORE

|     |                   |                 |  |       |
|-----|-------------------|-----------------|--|-------|
| PM  | 1.9000 LB/T AL    | BAGHOUSE        |  |       |
| S02 | 358.8000 LB/H     | FUEL, S CONTENT |  |       |
| F   | 64.1000 T/YR      | SCRUBBER        |  |       |
| VE  | 10.0000 % OPACITY |                 |  | 87.40 |

BUTTS SURGE TANKS, 2

ANODE BUTTS CLEANING

|    |             |  |  |  |
|----|-------------|--|--|--|
| PM | 0.8600 LB/H |  |  |  |
| PM | 2.0000 LB/H |  |  |  |

(CONTINUED) ARCO ALUMINUM

| PROCESSES SUBJECT<br>TO THIS PERMIT | THROUGHPUT<br>CAPACITY | POLLUTANT<br>EMITTED | EMISSION LIMITS<br>CONTROL EQUIPMENT OR PROCESS MODIFICATION | ... & BASIS<br>... PCT EFF |
|-------------------------------------|------------------------|----------------------|--------------------------------------------------------------|----------------------------|
| ANODE BUTTS STRIP & CRUSHER         | 40.00 T/H OUTPUT       | PM                   | 3.3000 LB/H                                                  |                            |
| CENTRAL BUTTS PROCESSING            | 30.00 T/H OUTPUT       | PM                   | 3.6000 LB/H                                                  |                            |
| POT DEMOLITION                      |                        | PM                   | 8.6000 LB/H                                                  |                            |
| CYOLITE BATH CRUSHER                |                        | PM                   | 12.9000 LB/H                                                 |                            |
| BATH STG. BIN                       |                        | PM                   | 5.1000 LB/H                                                  |                            |
| COKE BALL MILL                      |                        | PM                   | 0.8600 LB/H                                                  |                            |
| COKE CRUSHING                       |                        | PM                   | 1.3000 LB/H                                                  |                            |
| COKE FINISH & HANDLING              |                        | PM                   | 1.2000 LB/H                                                  |                            |
| ANODE/CATHODE MIXERS                | 16.00 T/H              | PM                   | 0.9400 LB/H                                                  |                            |
| ANODE MIXERS, 3                     |                        | PM                   | 0.5400 LB/H                                                  |                            |
| GREEN ANODE SCRAP STG.              |                        | PM                   | 5.1000 LB/H                                                  |                            |
| COKE PACKING & CONVEYING            |                        | PM                   | 0.9900 LB/H                                                  |                            |
| FLUID COKE CONVEYING & DIST.        |                        | PM                   | 0.6600 LB/H                                                  |                            |

(CONTINUED) ARCO ALUMINUM

| PROCESSES SUBJECT<br>TO THIS PERMIT | THROUGHPUT<br>CAPACITY | POLLUTANT<br>EMITTED | EMISSION LIMITS<br>CONTROL EQUIPMENT OR PROCESS MODIFICATION | ... & BASIS<br>... PCT EFF |
|-------------------------------------|------------------------|----------------------|--------------------------------------------------------------|----------------------------|
| ELECTRIC ARC FURNACES, 4            |                        | PM                   | 2.8000 LB/H                                                  |                            |
| ANODE ROD & STUB CLEANING           |                        | PM                   | 1.0000 LB/H                                                  |                            |
| HOLDING FURNACES, 5                 |                        | PM                   | 0.3700 LB/H                                                  |                            |
|                                     |                        | SO2                  | 0.0200 LB/H                                                  |                            |
|                                     |                        | CO                   | 0.6300 LB/H                                                  |                            |
|                                     |                        | NOX                  | 6.7000 LB/H                                                  |                            |
|                                     |                        | VOC                  | 0.1100 LB/H                                                  |                            |

NOTES -----

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- PRIMARY ALUMINUM PRODUCTION

COMPANY NAME/SITE LOCATION COASTAL ALUMINUM WALLACE, SC

DETERMINATION IS FOR A NEW SOURCE. DATE OF PERMIT ISSUANCE-- 11/21/80  
 PERMIT NO. SC-036 ESTIMATED DATE OF START-UP--  
 DETERMINATION MADE BY SOUTH CAROLINA DHEC (803)-758-5406  
 (AGENCY) (AGENCY CONTACT PERSON) (PHONE)

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

WHOLE PLANT

PM 14.7000 LB/H ESP BACT

FLU\*

WET SCRUBBER

ANODE BAKE OVENS, 2 EA

VOC 11.7700 LB/H  
 SO2

0.8% S LIMIT ON FUEL

NOTES -----

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

PAGE 6- 683

ID NUMBER SC-0012

SOURCE TYPE CODE 8.1

# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- COKE PRODUCTION 277000.00 T/YR

COMPANY NAME/SITE LOCATION AIRCO CARBIDE (DIV OF AIRCO, INC.) CALVERT CITY, KY 42029 MARSHALL COUNTY  
HWY 1523

DETERMINATION IS BACT FOR A NEW SOURCE. DATE OF PERMIT ISSUANCE-- 08/12/81  
PERMIT NO. C-81-42 ESTIMATED DATE OF START-UP--  
DETERMINATION MADE BY KENTUCKY DAPC (502)-564-3382  
(AGENCY) BILL DILLS (PHONE)  
(AGENCY CONTACT PERSON)

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

|                       |                |     |                                                     |            |
|-----------------------|----------------|-----|-----------------------------------------------------|------------|
| RAW MATERIAL HANDLING | 367000.00 T/YR | PM  | 8.2100 T/YR WET SUPPRESSION + ENCLOSURES + CYCLONES | LAER 97.00 |
| ROTARY KILN           | 277000.00 T/YR | PM  | 1.3300 T/YR HOODING + INCINERATOR                   | LAER 99.90 |
|                       |                | S02 | 243.2000 T/YR SCRUBBER                              | BACT 93.50 |
|                       |                | CO  | 20.5100 T/YR INCINERATOR                            | SIP 99.90  |
|                       |                | NOX | 21.0700 T/YR INCINERATOR                            |            |
|                       |                | VOC | 35.6200 T/YR INCINERATOR                            | 99.50      |
| PRODUCT HANDLING      | 277000.00 T/YR | PM  | 6.0400 T/YR HOODING, BAGHOUSES                      | LAER 99.00 |

NOTES -----  
THIS EQUIPMENT WILL NOT BE CONSTRUCTED. PERMIT HAS EXPIRED.

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.



# APPENDIX -- DETAILED SOURCE LISTING

04/29/1933

SOURCE TYPE/SIZE--- COKE PRODUCTION 1400000.00 T/YR

COMPANY NAME/SITE LOCATION BETHLEHEM STEEL CORP.  
SPARROWS POINT PLANT SPARROWS PT., MD 21219 BALTIMORE COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.  
PERMIT NO. 79MD03 DATE OF PERMIT ISSUANCE-- 08/06/79  
DETERMINATION MADE BY EPA REGION III ESTIMATED DATE OF START-UP-- 1980  
ED VOLLBERG (215)-597-8179  
(AGENCY CONTACT PERSON) (PHONE)

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

|             |                  |     |                                            |      |
|-------------|------------------|-----|--------------------------------------------|------|
| OVENS, 80   | 1.40 MMT/YR COAL | SO2 | 26.0000 LB/H S IN FUEL LIM. TO 1.0% BY WT. | BACT |
| CHARGING    |                  | PM  | 0.0005 LB/T                                | LAER |
| DOORS       |                  | PM  | 0.0500 LB/T                                | LAER |
| PUSHING     |                  | PM  | 0.0300 LB/T<br>0.0300 GR/DSCF              | LAER |
| QUENCHING   |                  | PM  | 0.3090 LB/T                                | LAER |
| STAND PIPES |                  | PM  | 0.3000 LB/T                                | LAER |
| UNDERFIRE   |                  | PM  | 0.1200 LB/T<br>0.0150 GR/DSCF              | LAER |

NOTES -----  
DETERMINATION FOR SOURCE IS BACT/LAER

PSD PERMIT RESCINDED - EMISSION REDUCTIONS RESULTING FROM SHUTDOWN OF BATTERIES 7,8,9,10 OFFSET EMISSIONS FROM NEW COKE OVEN B

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

ATTERY

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

PAGE G- 686

ID NUMBER MD-0006

SOURCE TYPE CODE 8.2

# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- COKE PRODUCTION 763.00 T/D COKE

COMPANY NAME/SITE LOCATION GRANITE CITY STEEL GRANITE CITY, IL MADISON COUNTY

DETERMINATION IS LAER FOR A NEW SOURCE. DATE OF PERMIT ISSUANCE-- 06/01/81  
 PERMIT NO. C808048 ESTIMATED DATE OF START-UP--  
 DETERMINATION MADE BY ILLINOIS EPA (217)-782-2113  
 (AGENCY) (AGENCY CONTACT PERSON) (PHONE)

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

COKE OVENS, PUSHING 763.00 T COKE/D PM 0.0400 LB/T COKE LAER  
 ENCLOSED QUENCH CAR/SCRUB SYS.  
 INVEN OF PARTS, MAINTEN PROCED  
 VOC  
 BATTERY STACK PM 0.0150 GR/DSCF LAER  
 LIDS PM 1.0000 % OF LIDS LAER  
 VE FROM NO MORE THAN 1% OF LIDS  
 VOC  
 DOORS PM 5.0000 % OF OVENS LAER  
 DESIGN & PARTS INVENTORY  
 VE FROM NO MORE THAN 5% OF OVENS  
 VOC  
 CHARGING PM 55 S TOT. FOR 5 CONSEC. CHARGES LAER  
 VOC LAER

(CONTINUED) GRANITE CITY STEEL

| PROCESSES SUBJECT<br>TO THIS PERMIT | THROUGHPUT<br>CAPACITY | POLLUTANT<br>EMITTED | EMISSION LIMITS<br>CONTROL EQUIPMENT OR PROCESS MODIFICATION | ... & BASIS<br>... PCT EFF |
|-------------------------------------|------------------------|----------------------|--------------------------------------------------------------|----------------------------|
| OFFTAKE PIPING                      |                        | PM                   | 4.0000 % OF PIPING<br>VE FROM NO MORE THAN 4% OF PIPING      | LAER                       |
|                                     |                        | VOC                  |                                                              | LAER                       |

NOTES -----  
LAER LIMITS WERE ESTABLISHED AS PART OF A CONSENT DECREE BETWEEN IEPA, USEPA, & NATIONAL STEEL. EMISSION LIMITS BASED ON FUGITIVE PARTICULATE CONTROL ARE ALSO PRESUMED TO MINIMIZE ORGANIC MATTER.

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- COKE PRODUCTION 790.00 T/D COKE

COMPANY NAME/SITE LOCATION GRANITE CITY STEEL GRANITE CITY, IL MADISON COUNTY

DETERMINATION IS LAER FOR A NEW SOURCE. DATE OF PERMIT ISSUANCE-- 10/01/81  
 PERMIT NO. 81 01 0067 ESTIMATED DATE OF START-UP--  
 DETERMINATION MADE BY ILLINOIS EPA CHRIS ROMAINE (217)-782-2113  
 (AGENCY) (AGENCY CONTACT PERSON) (PHONE)

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

|                     |                 |     |                                                                                      |      |
|---------------------|-----------------|-----|--------------------------------------------------------------------------------------|------|
| COKE OVENS, PUSHING | 790.00 T COKE/D | PM  | 0.0400 LB/T COKE<br>ENCLOSED QUENCH CAR/SCRUB SYS.<br>INVEN OF PARTS, MAINTEN PROCED | LAER |
| BATTERY STACK       |                 | VOC |                                                                                      | LAER |
| LIDS                |                 | PM  | 0.0150 GR/DSCF                                                                       | LAER |
|                     |                 | PM  | 1.0000 % OF LIDS<br>VE FROM NO MORE THAN 1% OF LIDS                                  | LAER |
| DOORS               |                 | VOC |                                                                                      | LAER |
|                     |                 | PM  | 5.0000 % OF OVENS<br>DESIGN & PARTS INVENTORY<br>VE FROM NO MORE THAN 5% OF OVENS    | LAER |
| CHARGING            |                 | VOC |                                                                                      | LAER |
|                     |                 | PM  | 55 S TOT. FOR 5 CONSEC. CHARGES                                                      | LAER |
|                     |                 | VOC |                                                                                      | LAER |

(CONTINUED) GRANITE CITY STEEL

| PROCESSES SUBJECT<br>TO THIS PERMIT | THROUGHPUT<br>CAPACITY | POLLUTANT<br>EMITTED | EMISSION LIMITS<br>CONTROL EQUIPMENT OR PROCESS MODIFICATION | ... & BASIS<br>... PCT EFF |
|-------------------------------------|------------------------|----------------------|--------------------------------------------------------------|----------------------------|
| OFFTAKE PIPING                      |                        | PM                   | 4.0000 % OF PIPING<br>VE FROM NO MORE THAN 5% OF PIPING      | LAER                       |
|                                     |                        | VOC                  |                                                              | LAER                       |

NOTES -----

LAER LIMITS WERE ESTABLISHED AS PART OF A CONSENT DECREE BETWEEN IEPA, USEPA, & NATIONAL STEEL. EMISSION LIMITS BASED ON FUGITIVE PARTICULATE CONTROL ARE ALSO PRESUMED TO MINIMIZE ORGANIC MATERIAL EMISSIONS.

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- COKE PRODUCTION

COMPANY NAME/SITE LOCATION INLAND STEEL CO.

EAST CHICAGO, IN

DETERMINATION IS LAER FOR A NEW SOURCE.

PERMIT NO. PC(45)1445

DETERMINATION MADE BY INDIANA APCD

(AGENCY)

TERRY HOYA

(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 09/22/80

ESTIMATED DATE OF START-UP--

(317)-633-0664

(PHONE)

PROCESSES SUBJECT  
TO THIS PERMIT

THROUGHPUT  
CAPACITY

POLLUTANT  
EMITTED

EMISSION LIMITS  
CONTROL EQUIPMENT OR PROCESS MODIFICATION

... & BASIS  
... PCT EFF

PRE-CARBONIZATION EMISSIONS

PM 0.0310 GR/DSCF  
20.0000 % OPACITY

UNDERFIRE EMISSIONS

PM 0.1000 LB/MMBTU  
SO2

SEE NOTES

COKE OVEN GAS DESULFURIZATION

SO2 0.3500 GR/100 CF H2S

PUSHING OPERATION

PM 0.0200 LB/T COKE

OVEN DOORS

VE

NOT PERMIT. FROM>10% OF OV. DR

NOTES -----

UNDERFIRE FUEL IS LIMITED TO NATURAL GAS, DESULFURIZED COKE OVEN GAS, OR BLAST FURNACE GAS.

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

PAGE 6- 691

ID NUMBER IN-0012

SOURCE TYPE CODE 8.2

# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- COKE PRODUCTION

COMPANY NAME/SITE LOCATION MARTIN MARIETTA CORP.

WILMINGTON, CA

DETERMINATION IS BACT FOR A MODIFIED SOURCE.  
 PERMIT NO. (REGION FILE NO.) LA 80-03  
 DETERMINATION MADE BY EPA REGION IX  
 (AGENCY)

DENNIS BEAUREGARD  
 (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 12/11/80  
 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

CALCINING FACILITY

51.40 T/H

SO2

131.0000 LB/H

2.5500 LB/T GREEN COKE

SODIUM ALKALI SCRUB. SYS

86.00

NOTES -----

BACT IS DETERMINED BY "STATE OF THE ART" TECHNOLOGY AND ECONOMICS.

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

PAGE 6- 692

ID NUMBER CA-0023

SOURCE TYPE CODE 8.2



# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- COKE PRODUCTION 210000.00 T/YR

COMPANY NAME/SITE LOCATION PENNSYLVANIA COKE TECHNOLOGY, INC. LESTER, WV RALEIGH COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE. DATE OF PERMIT ISSUANCE-- 08/06/81  
 PERMIT NO. 804V04 ESTIMATED DATE OF START-UP-- 1983  
 DETERMINATION MADE BY EPA REGION III VERNON BUTLER  
 (AGENCY) (AGENCY CONTACT PERSON) (215)-597-2711  
 (PHONE)

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

COMBUSTION STACK 210000.00 T/YR PM 20.2000 LB/H BACT  
 AFTERBURNER 90.00  
 SO2 161.1000 LB/H BACT  
 LOW SULFUR COAL FEED  
 NOX 785.0000 LB/H BACT  
 FUGITIVE TSP PM BACT

NOTES  
 0.7% S COAL FE'D USED TO LIMIT SO2 EMISSIONS. TECHNOLOGY & AIR QUALITY CONSIDERED. 50% INCREMENT CONSUMED. PLANT WOULD BE PROT  
 OTYPE. OPACITY REQUIREMENTS FOR TSP.  
 PROJECT HAS NOT COMMENCED CONSTRUCTION. STATE PERMIT HAS NOT BEEN CANCELLED YET.

# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- COKE PRODUCTION 760.00 T/D

COMPANY NAME/SITE LOCATION REPUBLIC STEEL CORP. CLEVELAND, OH CUYAHOGA COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.  
 PERMIT NO. 13-083  
 DETERMINATION MADE BY CLEVELAND DAPC  
 (AGENCY)  
 IKRAM 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 ... PCT EFF |
|----------------------------------|---------------------|-------------------|-----------------------------------------------------------|-------------------------|
|----------------------------------|---------------------|-------------------|-----------------------------------------------------------|-------------------------|

|                         |                    |     |                                                           |       |
|-------------------------|--------------------|-----|-----------------------------------------------------------|-------|
| PUSHING OPERATION       | 32.00 T/H COKE PP* | PM  | 0.0600 LB/T COKE PUSHED<br>KOPPER, QUENCH CAR W/ATT SCRUB | 90.00 |
| CHARGING HOLE LIDS      | 32.00 T/H COKE PR* | PM  | 2.0000 % OF LIDS<br>LARRY CAR W/STAGE CHARGING            |       |
| OFFTAKE PIPING          | 32.00 T/H COKE PR* | PM  | 5.0000 % OF PIPES                                         |       |
| COKE OVEN DOORS         | 32.00 T/H COKE PR* | PM  | 10.0000 % OF DOORS                                        |       |
| WASTE GAS STACK         | 32.00 T/H COKE PR* | PM  | 0.0300 GR/SCF<br>DESULFURIZATION PLANT                    |       |
| METALLURGICAL COKE MFG. | 32.00 T/H COKE PR* | H2S | 35.0000 GR/100 DSCF<br>OPERATING & MAINTEN. PROCED.       |       |

NOTES -----  
 FED./STATE/LOCAL LAWS AND CONSENT ORDERS

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- FERROALLOY PRODUCTION

COMPANY NAME/SITE LOCATION CABOT CORP.

KOKOMO, IN

DETERMINATION IS LAER FOR A NEW SOURCE.  
PERMIT NO. PC(34)1482  
DETERMINATION MADE BY INDIANA APCD  
(AGENCY)

RICHARD WILLIAMSON  
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 12/05/80  
ESTIMATED DATE OF START-UP--  
(317)-633-0663  
(PHONE)

PROCESSES SUBJECT  
TO THIS PERMIT

THROUGHPUT  
CAPACITY

POLLUTANT  
EMITTED

EMISSION LIMITS  
CONTROL EQUIPMENT OR PROCESS MODIFICATION

... & BASIS  
... PCT EFF

SLAB CUT OFF

PM

20.0000 T/YR

BAGHOUSE

LAER  
99.00

ROUGH GRIND

PM

20.0000 T/YR

BAGHOUSE

LAER  
99.00

GRIT BLAST OPERATION

PM

20.0000 T/YR

BAGHOUSE

LAER  
99.00

NOTES -----

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- IRON & STEEL PRODUCTION 95.00 MT/YR MELT

COMPANY NAME/SITE LOCATION ARMCO STEEL CORP. BALTIMORE, MD 21203 BALTIMORE CITY COUNTY  
P.O. BOX 1697

DETERMINATION IS BACT FOR A MODIFIED SOURCE. DATE OF PERMIT ISSUANCE-- 12/12/79  
PERMIT NO. 79MD02 ESTIMATED DATE OF START-UP-- 1980  
DETERMINATION MADE BY EPA REGION III (215)-597-8990  
(AGENCY) (PHONE)  
ED VOLLBERG  
(AGENCY CONTACT PERSON)

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

ELECT. ARC FURNACE 95.00 MT/YR MELT PM 0.0052 GR/DSCF BACT  
38.0000 LB/D BAGHOUSE 99.90

NOTES -----  
EMISSION LIMIT IS BASED ON NSPS. SOURCE IS NOT PSD UNDER NEW DEFINITION.

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- IRON & STEEL PRODUCTION 145.50 MCF/H  
 COMPANY NAME/SITE LOCATION BAYOU STEEL LAPLACE, LA

DETERMINATION IS BACT FOR A NEW SOURCE. DATE OF PERMIT ISSUANCE-- 03/30/78  
 PERMIT NO. PSD-LA-066 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 EMISSION LIMITS ... & BASIS  
 CONTROL EQUIPMENT OR PROCESS MODIFICATION ... PCT EFF

DUST CONTROL

ELECT. ARC FURNACES, 2 145.50 MCF/H  
 SO2 0.2000 LB/H  
 PM 9.6800 LB/H  
 WET SPRAY/ENCLOSED  
 SO2 0.0900 LB/H  
 PM 2.1900 LB/H  
 NONE

NOTES -----

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE---- IRON & STEEL PRODUCTION 1.20 MM/YR STEEL

COMPANY NAME/SITE LOCATION BETHLEHEM STEEL CORP. JOHNSTOWN, PA CAMBRIA COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE. DATE OF PERMIT ISSUANCE-- 07/03/79  
 PERMIT NO. 79PA07 ESTIMATED DATE OF START-UP--  
 DETERMINATION MADE BY EPA REGION III BOB BLASZCZAK (215)-597-8186  
 (AGENCY) (AGENCY CONTACT PERSON) (PHONE)

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

|                         |  |    |                                            |            |
|-------------------------|--|----|--------------------------------------------|------------|
| ELECT. ARC FURNACE      |  | PM | 0.0020 GR/DSCF<br>8.5000 LB/H<br>BAGHOUSE  | BACT       |
|                         |  | CO | 140.0000 LB/H                              | 99.90 BACT |
| DESULFURIZATION         |  | PM | 0.0010 GR/DSCF<br>0.1200 LB/H<br>BAGHOUSE  | BACT       |
|                         |  |    |                                            | 99.99      |
| MATERIAL HANDLING       |  | PM | 0.0010 GR/DSCF<br>0.5500 LB/H<br>BAGHOUSE  | BACT       |
|                         |  |    |                                            | 99.99      |
| ELECT. ARC FURNACE SHOP |  | PM | 0.0000 % OPACITY<br>ROOF CANOPY COLLECTION | BACT       |
|                         |  |    |                                            |            |

NOTES -----

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- IRON & STEEL PRODUCTION

COMPANY NAME/SITE LOCATION CAMERON IRON WORKS  
P.O. BOX 1212

HOUSTON, TX 77001

DETERMINATION IS BACT FOR A MODIFIED SOURCE.

PERMIT NO. TX-233

DETERMINATION MADE BY EPA REGION VI  
(AGENCY)

JOHN BUNYAK  
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 10/22/80  
ESTIMATED DATE OF START-UP--  
(214)-767-1594  
(PHONE)

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

VAC. ARC DEGREASING/VAC. 02 DEC\* 50.00 T/HEAT CO

CO

8.0000 LB/H VAD  
700.0000 LB/H VOC

PROCESS CONTROL

BACT

## NOTES

ONLY 1 PROCESS CAN BE OPERATED AT ONE TIME (VAD OR VOD). MAX. # OF HEATS TO BE PROCESSED THRU THE VAD/VOD FURNACE WILL BE 3 HE AT/DAY FOR VOC AND 7 HEATS/DAY FOR VOD.

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- IRON & STEEL PRODUCTION 800000.00 T/YR

COMPANY NAME/SITE LOCATION CHAPANAL STEEL CO. MIDLOTHIAN, TX ELLIS COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE. DATE OF PERMIT ISSUANCE-- 01/31/80  
 PERMIT NO. PSD-TX-138 ESTIMATED DATE OF START-UP--  
 DETERMINATION MADE BY EPA REGION VI (214)-767-1594  
 (AGENCY) JOHN BUNYAK (PHONE)  
 (AGENCY CONTACT PERSON)

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

|                                   |             |    |                                       |       |
|-----------------------------------|-------------|----|---------------------------------------|-------|
| AUTO SHREDDER PRIMARY COLLECTION* | 30.00 MT/YR | PM | 10.0000 LB/H FABRIC FILTER DUST COLL. | 99.90 |
|-----------------------------------|-------------|----|---------------------------------------|-------|

|                                  |  |    |                                        |            |
|----------------------------------|--|----|----------------------------------------|------------|
| AUTO SHREDDING SECOND. & TERTIA* |  | PM | 13.0000 LB/H                           |            |
| ELECT. ARC FURNACES, 2           |  | CO | 855.0000 LB/H EA LEA, PROPER OPERATION |            |
|                                  |  | PM | 15.6000 LB/H EA BAGHOUSE               | NSPS 95.00 |

|                            |  |    |                                       |       |
|----------------------------|--|----|---------------------------------------|-------|
| BILLET HEAT FURNACES, 2    |  | CO | 4.8000 LB/H EA LEA, PROPER OPERATION  |       |
|                            |  | PM | 1.9000 LB/H EA NONE                   |       |
| MELT SHOP ROOF MONITORS, 2 |  | CO | 45.0000 LB/H EA LEA, PROPER OPERATION |       |
|                            |  | PM | 26.4000 LB/H EA BAGHOUSE              | 97.00 |

NOTES -----

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.



# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- IPON & STEEL PRODUCTION 71.00 T/H

COMPANY NAME/SITE LOCATION FLORIDA STEEL CORP.

BALDWIN, FL

DETERMINATION IS BACT FOR A MODIFIED SOURCE.

PERMIT NO. PSD-FL-074

DETERMINATION MADE BY FLORIDA DER (AGENCY)

DATE OF PERMIT ISSUANCE-- 01/03/83  
ESTIMATED DATE OF START-UP-- 1982  
(904)-488-1344  
(PHONE)

BRUCE MITCHELL  
(AGENCY CONTACT PERSON)

PROCESSES SUBJECT TO THIS PERMIT

THROUGHPUT CAPACITY

POLLUTANT EMITTED

EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION

... & BASIS ... PCT EFF

FURNACE

71.00 T/H

|     |                |             |       |
|-----|----------------|-------------|-------|
| PM  | 0.0052 GR/DSCF | BAGHOUSE    | 98.00 |
| SO2 | 20.0000 LB/H   |             |       |
| CO  | 58.5000 LB/H   |             |       |
| NOX | 1.1000 LB/H    | AFTERBURNER | 95.00 |

SHOP ROOF-CHARGING CYCLE

SHOP ROOF-TAPPING CYCLE

BAGHOUSE EFFLUENT

NOTES

NSPS SUBPART AA, PRODUCTION INCREASE FROM 32 TO 65 BILLET TON PER HOUR STEEL PRODUCT.

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

PAGE G- 701

ID NUMBER FL-0031

SOURCE TYPE CCDE 8.5

# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- IRON & STEEL PRODUCTION 200000.00 LB/H

COMPANY NAME/SITE LOCATION FLORIDA STEEL CORP. JACKSON, TN MADISON COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE. DATE OF PERMIT ISSUANCE--  
 PERMIT NO. ESTIMATED DATE OF START-UP--  
 DETERMINATION MADE BY TENNESSEE APC MERVAT AHMED (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 |
|----------------------------------|---------------------|-------------------|-----------------------------------------------------------|-------------------------|
|----------------------------------|---------------------|-------------------|-----------------------------------------------------------|-------------------------|

|                                  |                |     |                |            |
|----------------------------------|----------------|-----|----------------|------------|
| DIRECT ARC MELTING FURNACE & LI* | 149300.00 LB/H | PM  | 0.0052 GR/SCF  | B/N        |
|                                  |                | CO  | 1343.7000 LB/H | 99.90 BACT |
| REHEAT FURNACE                   | 200000.00 LB/H | PM  | 16.0000 LB/H   | BACT       |
|                                  |                | SO2 | 193.6000 LB/H  | BACT       |
|                                  |                |     | 1 1/2 S FUEL   |            |

NOTES -----

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- IRON & STEEL PRODUCTION

COMPANY NAME/SITE LOCATION KENTUCKY ELECTRIC STEEL CO.

COALTON, KY

DETERMINATION IS LAER FOR A MODIFIED SOURCE.

PERMIT NO. C8076

DETERMINATION MADE BY KENTUCKY DAPC

(AGENCY)

BILL DILLS

(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 09/18/80

ESTIMATED DATE OF START-UP-- 1982

(502)-564-3382

(PHONE)

PROCESSES SUBJECT  
TO THIS PERMIT

THROUGHPUT  
CAPACITY

POLLUTANT  
EMITTED

EMISSION LIMITS  
CONTROL EQUIPMENT OR PROCESS MODIFICATION

... & BASIS  
... PCT EFF

FURNACE A

20.00 T/H

PM

1.6500 LB/H

24.3000 T/YR

BAGHOUSE

99.60

FURNACE B

20.00 T/H

PM

1.6500 LB/H

24.3000 T/YR

BAGHOUSE

99.60

NOTES -----

TO REPLACE 3 EXISTING FURNACES. COMMON FABRIC FILTER

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

PAGE 6- 703

ID NUMBER KY-0028

SOURCE TYPE CODE 8.5

# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- IRON & STEEL PRODUCTION 50.00 T/H IRON  
 COMPANY NAME/SITE LOCATION LUFKIN INDUSTRIES, INC. LUFKIN, TX ANGELINA COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE. DATE OF PERMIT ISSUANCE-- 05/26/81  
 PERMIT NO. (REGION FILE NO.) PSD-TX-379 ESTIMATED DATE OF START-UP--  
 DETERMINATION MADE BY EPA REGION VI (214)-767-1594  
 (AGENCY) (AGENCY CONTACT PERSON) (PHONE)

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

LUFOLA 50.00 T/H IRON CO 9.0000 LB/T IRON BACT  
 3 STACK AFTERBURNERS 94.00

NOTES -----

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- IRON & STEEL PRODUCTION 40.00 T/H

COMPANY NAME/SITE LOCATION ROANOKE ELECT. STEEL CO. ROANOKE, VA ROANOKE CITY COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE. DATE OF PERMIT ISSUANCE-- 03/27/80  
 PERMIT NO. 78VA06 ESTIMATED DATE OF START-UP-- 1983  
 DETERMINATION MADE BY EPA REGION III VERNON BUTLER  
 (AGENCY) (AGENCY CONTACT PERSON) (PHONE)

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

FURNACE, ELECT. ARC, UNIT #4 40.00 T/H PM 0.0052 GR/SCF NSPS  
 BAGHOUSE 99.70

NOTES -----  
 PH OPACITY LIMITS ALSO GIVEN.

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- IRON & STEEL PRODUCTION

COMPANY NAME/SITE LOCATION STD SLAG CO., REPUB. STEEL CORP., #6 BL\* CLEVELAND, OH CUYAHOGA COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE. PERMIT NO. 13-1005 DATE OF PERMIT ISSUANCE-- 08/19/82  
 DETERMINATION MADE BY CLEVELAND DAPC ESTIMATED DATE OF START-UP-- 1983  
 (AGENCY) DANIEL NORTON (216)-664-3508  
 (AGENCY CONTACT PERSON) (PHONE)

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

SLAG COOLING 100.00 T/D PH 0.5000 LB/T SLAG BACT  
 H2S 0.2180 LB/T SLAG

NOTES -----  
 INNOVATIVE TECHNOLOGY - PELLETIZATION WITH ROTARY DRUM & WATER SPRAY.

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- IRON & STEEL PRODUCTION

1.10 MMT/YR

COMPANY NAME/SITE LOCATION THE TIMKEN CO.

CANTON, OH

DETERMINATION IS BACT FOR A NEW SOURCE.  
 PERMIT NO. 1576051246  
 DETERMINATION MADE BY CANTON APCD  
 (AGENCY)

BRUCE BLANKENSHIP  
 (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 12/21/81  
 ESTIMATED DATE OF START-UP-- 1985  
 (216)-489-3385  
 (PHONE)

PROCESSES SUBJECT  
 TO THIS PERMIT

THROUGHPUT  
 CAPACITY

POLLUTANT  
 EMITTED

EMISSION LIMITS  
 CONTROL EQUIPMENT OR PROCESS MODIFICATION

... & BASIS  
 ... PCT EFF

ELECT. ARC FURN

1.10 MMT/YR

PM

0.0052 GR/DSCF  
 BAGHOUSE

99.65

CO

0.9000 LB/T STEEL  
 FURNACE DESIGN

DEGASSER-REFINER

PM

0.0052 GR/DSCF  
 BAGHOUSE

99.65

CONTINUOUS CASTER

PM

0.0052 GR/DSCF  
 BAGHOUSE

99.65

LADLE DRYER

20.00 MMBTU/H

PM

0.0200 LB/MMBTU  
 BAGHOUSE

99.65

LADLE PREHEATER

20.00 MMBTU/H

NOX

0.2500 LB/MMBTU  
 BURNER CONTROL #2 OIL

(CONTINUED) THE TIMKEN CO.

| PROCESSES SUBJECT<br>TO THIS PERMIT | THROUGHPUT<br>CAPACITY | POLLUTANT<br>EMITTED | EMISSION LIMITS<br>CONTROL EQUIPMENT OR PROCESS MODIFICATION | ... & BASIS<br>... PCT EFF |
|-------------------------------------|------------------------|----------------------|--------------------------------------------------------------|----------------------------|
| TUNDISH PREHEATER                   | 20.00 MMBTU/H          | CO                   | 0.0400 LB/MMBTU<br>BURNER CONTROL #2 OIL                     |                            |
| MELT SHOP BINS AND TRUCK DUMP       |                        | PM                   | 0.0100 GR/DSCF<br>BAGHOUSE                                   | 99.00                      |
| HOT SCARFING                        |                        | PM                   | 0.0100 GR/DSCF<br>WET ESP                                    | 98.00                      |
| BILLET GRINDERS, 6 EA               |                        | PM                   | 0.0200 GR/DSCF<br>BAGHOUSE                                   | 99.00                      |
| SOAKING PITS                        | 320.00 MMBTU/H         | PM                   | 0.0200 LB/MMBTU                                              |                            |
|                                     |                        | SO2                  | 0.5500 LB/MMBTU<br>BURNER CONTROL #2 OIL                     |                            |
|                                     |                        | NOX                  | 0.2500 LB/MMBTU<br>BURNER CONTROL #2 OIL                     |                            |
|                                     |                        | CO                   | 0.0400 LB/MMBTU<br>BURNER CONTROL #2 OIL                     |                            |
| REHEAT FURNACE                      | 120.00                 | PM                   | 0.0200 LB/MMBTU                                              |                            |
|                                     |                        | SO2                  | 0.5500 LB/MMBTU<br>BURNER CONTROL #2 OIL                     |                            |
|                                     |                        | NOX                  | 0.2500 LB/MMBTU<br>BURNER CONTROL #2 OIL                     |                            |
|                                     |                        | CO                   | 0.0400 LB/MMBTU<br>BURNER CONTROL #2 OIL                     |                            |
| MERCHANT MILL FURNACE               | 82.50 MMBTU/H          | PM                   | 0.0200 LB/MMBTU<br>BURNER CONTROL #2 OIL                     |                            |
|                                     |                        | SO2                  | 0.5500 LB/MMBTU<br>BURNER CONTROL #2 OIL                     |                            |
|                                     |                        | NOX                  | 0.2500 LB/MMBTU<br>BURNER CONTROL #2 OIL                     |                            |
|                                     |                        | CO                   | 0.0400 LB/MMBTU<br>BURNER CONTROL #2 OIL                     |                            |



(CONTINUED) THE TIMKEN CO.

| PROCESSES SUBJECT<br>TO THIS PERMIT | THROUGHPUT<br>CAPACITY | POLLUTANT<br>EMITTED | EMISSION LIMITS<br>CONTROL EQUIPMENT OR PROCESS MODIFICATION | ... & BASIS<br>... PCT EFF |
|-------------------------------------|------------------------|----------------------|--------------------------------------------------------------|----------------------------|
| TUBE MILL                           |                        | PM                   | 0.0200 LB/MMBTU<br>BURNER CONTROL #2 OIL                     |                            |
|                                     |                        | SO2                  | 0.5500 LB/MMBTU<br>BURNER CONTROL #2 OIL                     |                            |
|                                     |                        | NOX                  | 0.2500 LB/MMBTU<br>BURNER CONTROL #2 OIL                     |                            |
|                                     |                        | CO                   | 0.0400 LB/MMBTU<br>BURNER CONTROL #2 OIL                     |                            |
| BOILERS, 3 EA.                      | 40.00 MMBTU/H          | PM                   | 0.0200 LB/MMBTU                                              |                            |
|                                     |                        | SO2                  | 0.5500 LB/MMBTU<br>BURNER CONTROL #2 OIL                     |                            |
|                                     |                        | NOX                  | 0.2500 LB/MMBTU<br>BURNER CONTROL #2 OIL                     |                            |
|                                     |                        | CO                   | 0.0400 LB/MMBTU<br>BURNER CONTROL #2 OIL                     |                            |

NOTES -----

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- IRON & STEEL PRODUCTION 500.00 MLB/H

COMPANY NAME/SITE LOCATION U.S. STEEL/DUQUESNE WORKS PITTSBURGH, PA ALLEGHENY COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.  
 PERMIT NO. 78PA18  
 DETERMINATION MADE BY EPA REGION III  
 (AGENCY) BOB BLASZCZAK  
 (AGENCY CONTACT PERSON) (215)-597-8186  
 (PHONE)  
 DATE OF PERMIT ISSUANCE-- 07/06/79  
 ESTIMATED DATE OF START-UP--

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

IRON DESULFURIZATION FACILITY 500.00 MLB/H PH 4.8000 LB/H FABRIC FILTER BACT 99.30

NOTES -----

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- IRON & STEEL PRODUCTION

COMPANY NAME/SITE LOCATION YOUNGSTOWN STEEL CORP.

STRUTHERS, OH

DETERMINATION IS FOR A NEW SOURCE.  
 PERMIT NO. 0250090622/02-843  
 DETERMINATION MADE BY EPA REGION V  
 (AGENCY)

DATE OF PERMIT ISSUANCE--  
 ESTIMATED DATE OF START-UP--  
 (312)-886-6054  
 (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

EAF & CONTINUOUS CASTER

70.00 T/HEAT

PM

0.0052 GR/DSCF

NSPS

NOTES -----

COMPANY TO NOTIFY OF DATES OF CONSTRUCTION, STARTUP (ANTICIPATED AND ACTUAL) AND DATE OF PERFORMANCE TESTING TO NSPS REGS.

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

PAGE 6- 711

ID NUMBER OH-0021

SOURCE TYPE CODE 8.5

# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- SECONDARY ALUMINUM 10500.00 T HYDRAULIC PRESS

COMPANY NAME/SITE LOCATION ALUMINUM CO. OF AMERICA CUYAHOGA HTS, OH  
1600 HARVARD AV.

DETERMINATION IS BACT FOR A NEW SOURCE. DATE OF PERMIT ISSUANCE--  
PERMIT NO. P104 ESTIMATED DATE OF START-UP-- 1983  
DETERMINATION MADE BY CLEVELAND DAPC (216)-664-3508  
(AGENCY) (AGENCY CONTACT PERSON) (PHONE)

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

HYDRAULIC PRESSES 15750.00 LB/H PM 1.2000 LB/H 0.0014 GR/DSCF ELECTRIFIED GRAVEL FILTER BED ESP 90.00

NOTES -----  
INCOMPLETE COMBUSTION OF THE DIE LUBRICANTS MAY RESULT IN VOC EMISSIONS. CONTROL EFFICIENCY OF THIS SYSTEM ON VOC EMISSIONS IS NOT KNOWN AT PRESENT.

# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- SECONDARY ALUMINUM

COMPANY NAME/SITE LOCATION BARMET OF KENTUCKY, INC.

, KY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.

PERMIT NO. C-83-039

DETERMINATION MADE BY KENTUCKY DAPC

(AGENCY)

BILL DILLS

(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 02/18/83

ESTIMATED DATE OF START-UP--

(502)-564-3382

(PHONE)

PROCESSES SUBJECT TO THIS PERMIT

THROUGHPUT CAPACITY

POLLUTANT EMITTED

EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION

... & BASIS ... PCT EFF

DROSS FURNACES, 4

40.00 T/H INPUT

PM

30.0000 LB/H

86.0000 T/YR

NOTES -----

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

PAGE G- 713

ID NUMBER KY-0029

SOURCE TYPE CODE 6.8

# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

44000.00 LB/H

SECONDARY ALUMINUM

SOURCE TYPE/SIZE---

COMPANY NAME/SITE LOCATION CONSOLIDATED ALUMINUM CORP.

NEW JOHNSONVILLE, TN

HUMPHREYS COUNTY

DETERMINATION IS B/L FOR A NEW SOURCE.

PERMIT NO.

DETERMINATION MADE BY TENNESSEE APCD

(AGENCY)

MERVAT AHMED

(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 06/05/81

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

DELAQUERING KILN & ELECT. FURN\* 27000.00 LB/H

PM

0.0200 GR/SCF

CYCLONE, AFTER BURN., BAGHOUSE

BACT

COLD MILL 71048.00 LB/H

VOC

19.7000 LB/H

ACHENBECK AIR PURE SYS OR EQV.

LAER

90.00

COIL COATING LINE 14110.00 LB/H

VOC

0.6000 LB/GAL COATING

INCINERATION

LAER

90.00

NOTES -----

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

PAGE 6- 714

ID NUMBER TN-0013

SOURCE TYPE CODE 8.6

# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- SECONDARY ALUMINUM

COMPANY NAME/SITE LOCATION GMC, CENTRAL FOUNDRY DIV

BEDFORD, IN

DETERMINATION IS FOR A NEW SOURCE.  
 PERMIT NO. PC(47)1486  
 DETERMINATION MADE BY INDIANA APCD  
 (AGENCY)

DATE OF PERMIT ISSUANCE-- 04/28/81  
 ESTIMATED DATE OF START-UP--  
 (317)-633-0663  
 (PHONE)

ANDY SUNDERLAND  
 (AGENCY CONTACT PERSON)

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

|                                  |              |    |                               |       |
|----------------------------------|--------------|----|-------------------------------|-------|
| ELECT. INDUCTION AL. MELTING FU* | 4900.00 LB/H | PM | 13.0000 T/YR VENTURI SCRUBBER | 95.00 |
|----------------------------------|--------------|----|-------------------------------|-------|

|                 |               |    |                       |       |
|-----------------|---------------|----|-----------------------|-------|
| SAND BLAST SYS. | 19700.00 LB/H | PM | 16.0000 T/YR BAGHOUSE | 98.00 |
|-----------------|---------------|----|-----------------------|-------|

NOTES -----  
 6000 HRS/YEAR

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

PAGE G- 715

ID NUMBER IN-0015

SOURCE TYPE CODE 8.8

# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE---- SECONDARY ALUMINUM 15000.00 LB/FURNACE

COMPANY NAME/SITE LOCATION GREATER TENNESSEE METALS, INC. SANTA FE, TN MAURY COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE. DATE OF PERMIT ISSUANCE-- 10/03/80  
 PERMIT NO. ESTIMATED DATE OF START-UP--  
 DETERMINATION MADE BY TENNESSEE APCD (615)-741-3651  
 (AGENCY) (PHONE)  
 MERVAT AHMED  
 (AGENCY CONTACT PERSON)

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

ROTARY FURNACE, 2 2.80 MMBTU/FURNA\* PM 4.4000 LB/H EA BACT  
 S02 3.1000 LB/H BAGHOUSE, 2 99.90 BACT  
 #2 F. OIL/0.5% S

NOTES -----

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.



# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- SECONDARY ALUMINUM

COMPANY NAME/SITE LOCATION KAISER ALUMINUM & CHEMICAL CORP. BEDFORD, IN

DETERMINATION IS BACT FOR A NEW SOURCE.

PERMIT NO. PC (47) 1481

DETERMINATION MADE BY INDIANA APCD

(AGENCY)

ANDY SUNDERLAND

(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 11/07/80

ESTIMATED DATE OF START-UP--

(317)-633-0663

(PHONE)

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

SHREDDING OPERATION

5346.00 LB/H

PM

2.9700 LB/H

HYDROSTATIC PRECIPITATOR

99.20

OXIDE DRYER

3.30 MMBTU/H

PM

HYDROSTATIC PRECIPITATOR

95.00

SALT DRYER

1.80 MMBTU/H

PM

HYDROSTATIC PRECIPITATOR

99.00

DELACQERING DRYER

14.00 MMBTU/H

PM

7.0000 LB/H

CYCLONE & AFTERBURNER

93.00

ROTARY FURNACE

20.00 MMBTU/H

PM

0.8000 LB/H

BAGHOUSE

98.00

NOTES -----

6040 HRS/YEAR

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

PAGE G- 717

ID NUMBER IN-0021

SOURCE TYPE CODE 8.8

# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- SECONDARY ALUMINUM 150000.00 LB/H CASTING

COMPANY NAME/SITE LOCATION MARTIN MARIETTA OF KENTUCKY  
P.O. BOX 480 LEWISPORT, KY 42351 HANCOCK COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.  
PERMIT NO. C-77-71 DATE OF PERMIT ISSUANCE-- 08/17/77  
DETERMINATION MADE BY KENTUCKY DAPC ESTIMATED DATE OF START-UP--  
(AGENCY) (502)-564-3382  
BILL DILLS (PHONE)  
(AGENCY CONTACT PERSON)

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

|                         |                  |    |                              |  |
|-------------------------|------------------|----|------------------------------|--|
| MELT & HOLD FURNACES, 3 | 50000.00 LB/H EA | PM | 79.2300 LB/H<br>44.3000 T/YR |  |
|-------------------------|------------------|----|------------------------------|--|

|              |  |    |                            |  |
|--------------|--|----|----------------------------|--|
| ROLLING MILL |  | PM | 1.9700 LB/H<br>6.4000 T/YR |  |
|--------------|--|----|----------------------------|--|

|                |  |     |                                |       |
|----------------|--|-----|--------------------------------|-------|
| PAINT LINES, 2 |  | VOC | 125.9300 LB/H<br>205.7000 T/YR | 90.00 |
|----------------|--|-----|--------------------------------|-------|

|                              |           |    |                                                     |       |
|------------------------------|-----------|----|-----------------------------------------------------|-------|
| AL SCRAP RECYCLING SCHREDDER | 15.00 T/H | PM | 9.6400 LB/H<br>0.6400 LB/T SCRAP<br>VENTURI/CYCLONE | 97.00 |
|------------------------------|-----------|----|-----------------------------------------------------|-------|

|                       |          |    |             |  |
|-----------------------|----------|----|-------------|--|
| INDUCTION FURNACES, 6 | 3.50 T/H | PM | 7.1400 LB/H |  |
|-----------------------|----------|----|-------------|--|

|                     |          |    |                                     |  |
|---------------------|----------|----|-------------------------------------|--|
| HOLDING FURNACES, 6 | 3.75 T/H | PM | 11.7400 LB/H<br>54.3000 LB/H<br>NOX |  |
|---------------------|----------|----|-------------------------------------|--|

(CONTINUED) MARTIN MARIETTA OF KENTUCKY

| PROCESSES SUBJECT<br>TO THIS PERMIT | THROUGHPUT<br>CAPACITY | POLLUTANT<br>EMITTED | EMISSION LIMITS<br>CONTROL EQUIPMENT OR PROCESS MODIFICATION | ... & BASIS<br>... PCT EFF |
|-------------------------------------|------------------------|----------------------|--------------------------------------------------------------|----------------------------|
| REVERBS                             | 4.50 T/H               | PM<br>SO2<br>NOX     | 2.3300 LB/H<br>10.1000 LB/H<br>3.1000 LB/H                   |                            |
| DROSS COOLING                       | 1.70 T/H               | PM                   | 1.2000 LB/H<br>0.7100 LB/T DROSS<br>BAGHOUSE                 | 97.98                      |
| REVERBS, 3                          | 4.50 T/H               | PM<br>SO2            | 79.2300 LB/H<br>96.9000 LB/H                                 |                            |

NOTES -----  
ALSO COVERS PERMIT NUMBER C-79-4. THIS ADD'L PERMIT'S ISSUANCE DATE IS 5/18/79.

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- SECONDARY ALUMINUM

COMPANY NAME/SITE LOCATION METAL RESOURCES, INC.

LONDON, TN

LOUDON COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.

PERMIT NO.

DETERMINATION MADE BY TENNESSEE APCD

(AGENCY)

MERVAT AHMED

(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 06/25/80

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

CRUSHING, SCREENING, & BALL MIL\* 20000.00 LB/H

PM

4.1000 LB/H

FABRIC FILTERS

BACT

99.90

ROTARY FURNACES, 4 17280.00 LB/H

PM

4.6000 LB/H

2 BAGHOUSES

BACT

99.90

SO2 21.3000 LB/H

#2 F. OIL/0.5% S

NOTES -----

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

PAGE 6- 720

ID NUMBER TN-0009

SOURCE TYPE CODE

8.8

# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- SECONDARY ALUMINUM

COMPANY NAME/SITE LOCATION WILHER PROCESSING DIV.

BELOIT, WI

DETERMINATION IS LAER FOR A NEW SOURCE.

PERMIT NO. MAA-04-80-54-030

DETERMINATION MADE BY EPA REGION V

(AGENCY)

BONIFACE THAYIL

(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE--

ESTIMATED DATE OF START-UP-- 1981

(312)-886-6054

(PHONE)

PROCESSES SUBJECT TO THIS PERMIT

THROUGHPUT CAPACITY

POLLUTANT EMITTED

EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION

... & BASIS ... PCT EFF

VIBRATING SCREEN

PM 1.0000 LB/H

LAER

ROTARY FURNACES

PM 1.0000 LB/H

LAER

## NOTES

1.0 LB/H BY CONSENT TO AVOID OFFSET & 24 HRS/DAY, 312 DAYS/YR, OR 7488 HRS/Y R FOR FURNACES, VIBRATING SCREEN 16 HRS/DAY, 300 DAYS/YR, OR 4800 HRS/YR, ROTORYFURNACE #1-TESTED AT .31 LB/H

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- GRAY IRON FOUNDRIES

COMPANY NAME/SITE LOCATION BRILLION IRON WORKS

BRILLION, WI

DETERMINATION IS BACT FOR A NEW SOURCE.

PERMIT NO. ATT-04-80-08-005

DETERMINATION MADE BY WISCONSIN DNR  
(AGENCY)

EMILIA ESTRADA  
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 08/03/81  
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

WET COLLECTOR EXHAUST

35000.00 CF/M

PM

0.0200 GR/SCF

DESIGN SYSTEM

SAND HANDLING

19050.00 CF/M

PM

0.0200 GR/SCF

BAGHOUSE

POURING AREA EXHAUST

125000.00 CF/M

PM

0.0100 LB/HLB GAS

DESIGN SYSTEM

BONDING ADDING SYS.

PM

0.0100 GR/SCF

DESIGN SYSTEM

99.70

NOTES -----

PERMIT RESTRICTIONS EXEMPT PROJECT FROM PSD REQUIREMENTS UNDER 08/07/80 PSD REGULATIONS, NO BANKING PERMITTED, STOCK TESTS REQUIRED. OPACITY LIMITED TO 20%.

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

PAGE 6- 722

ID NUMBER WI-0007

SOURCE TYPE CODE 8.11

# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- GRAY IRON FOUNDRIES 3.00 T/H

COMPANY NAME/SITE LOCATION CYCLONE IRON FOUNDRIES MEMPHIS, TX HALL COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.  
 PERMIT NO. 8340  
 DETERMINATION MADE BY TEXAS ACB (AGENCY)  
 WAYNE DAVISON (AGENCY CONTACT PERSON)  
 DATE OF PERMIT ISSUANCE-- 07/16/80  
 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 |
|----------------------------------|---------------------|-------------------|-----------------------------------------------------------|-------------------------|
|----------------------------------|---------------------|-------------------|-----------------------------------------------------------|-------------------------|

|                   |          |    |                             |       |
|-------------------|----------|----|-----------------------------|-------|
| INDUCTION FURNACE | 3.00 T/H | PM | 0.2000 LB/H<br>BAGFILTER    | 99.00 |
| SAND STORAGE      |          | PM | 0.5000 LB/H<br>BAGFILTER    | 99.00 |
| SAND SHAKEOUT     |          | PM | 6.8000 LB/H<br>WET SCRUBBER | 99.00 |
| CASTING CLEANING  |          | PM | 0.8000 LB/H<br>BAGFILTER    | 99.00 |

NOTES -----  
 BACT LIMITS, DETERMINED BY TECHNOLOGY AND ECONOMICS.

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- GRAY IRON FOUNDRIES

COMPANY NAME/SITE LOCATION DANA CORP.

RUSHVILLE, IN

DETERMINATION IS BACT FOR A NEW SOURCE.  
 PERMIT NO. PC(70)1489  
 DETERMINATION MADE BY INDIANA APCD  
 (AGENCY)

ANDY SUNDERLAND  
 (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 05/11/81  
 ESTIMATED DATE OF START-UP--  
 (317)-633-0663  
 (PHONE)

PROCESSES SUBJECT  
 TO THIS PERMIT

THROUGHPUT  
 CAPACITY

POLLUTANT  
 EMITTED

EMISSION LIMITS  
 CONTROL EQUIPMENT OR PROCESS MODIFICATION

... & BASIS  
 ... PCT EFF

RBC INDUCTION MELTING FURNACES 80000.00 T/YR

PM 9.0000 T/YR

NO CONTROLS

SAND HANDLING 12000.00 T/YR

PM 1.0000 T/YR

BAGHOUSE

99.00

NOTES -----  
 2000 HRS/YEAR

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

PAGE 6- 724

ID NUMBER IN-0017

SOURCE TYPE CODE 8.11



# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- GRAY IRON FOUNDRIES 1.30 T/H

COMPANY NAME/SITE LOCATION LULING IRON FOUNDRY LULING, TX CALDWELL COUNTY  
800 MAGNOLIA NORTH

DETERMINATION IS BACT FOR A NEW SOURCE. DATE OF PERMIT ISSUANCE-- 01/11/80  
PERMIT NO. PSD-TX-272 ESTIMATED DATE OF START-UP-- 1979  
DETERMINATION MADE BY EPA REGION VI (214)-767-1594  
(AGENCY) BILL TAYLOR (PHONE)  
(AGENCY CONTACT PERSON)

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

| INDUCTION FURNACE | 1.30 T/H | PM | 0.2300 LB/H<br>BAGHOUSE             | 99.30 |
|-------------------|----------|----|-------------------------------------|-------|
|                   |          | PM | 0.1000 LB/H<br>BAGHOUSE             | 99.50 |
|                   |          | PM | 0.0300 LB/H<br>BAGHOUSE             | 99.70 |
|                   |          | PM | 0.0100 LB/H<br>BAGHOUSE             | 99.90 |
|                   |          | PM | 5.7000 LB/H<br>VENTURI WET SCRUBBER | 97.32 |

NOTES -----

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- GRAY IRON FOUNDRIES 13.00 T/H

COMPANY NAME/SITE LOCATION LYNCHBURG FOUNDRY ARCHER CREEK, VA CAMPBELL COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE. DATE OF PERMIT ISSUANCE-- 07/03/79  
 PERMIT NO. 79VA02 ESTIMATED DATE OF START-UP--  
 DETERMINATION MADE BY EPA REGION III (215)-597-8186  
 (AGENCY) BOB BLASZCZAK (PHONE)  
 (AGENCY CONTACT PERSON)

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

|                           |                |    |                                                  |               |
|---------------------------|----------------|----|--------------------------------------------------|---------------|
| BLAST MACHINES #111 & 112 | 7.00 T/H TOTAL | PM | 0.1500 LB/T PROC. MT.<br>1.0500 LB/H<br>BAGHOUSE | BACT<br>99.70 |
|---------------------------|----------------|----|--------------------------------------------------|---------------|

|                           |                |    |                                                  |               |
|---------------------------|----------------|----|--------------------------------------------------|---------------|
| BLAST MACHINES #113 & 114 | 6.00 T/H TOTAL | PM | 0.1600 LB/T PROC. MT.<br>0.9600 LB/H<br>BAGHOUSE | BACT<br>99.70 |
|---------------------------|----------------|----|--------------------------------------------------|---------------|

|                                  |           |    |                                                  |               |
|----------------------------------|-----------|----|--------------------------------------------------|---------------|
| # 115 DOWNDRAFT TABLES & GRIND * | 13.00 T/H | PM | 0.3700 LB/T PROC. MT.<br>4.8100 LB/H<br>BAGHOUSE | BACT<br>99.70 |
|----------------------------------|-----------|----|--------------------------------------------------|---------------|

NOTES -----

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- GRAY IRON FOUNDRIES

COMPANY NAME/SITE LOCATION UNIVERSAL FOUNDRY CO.

OSHKOSH, WI

DETERMINATION IS LAER FOR A NEW SOURCE.

PERMIT NO. MAN-04-80-71-059

DETERMINATION MADE BY WISCONSIN DNR

(AGENCY)

DAN SCHRAMM

(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 06/20/80

ESTIMATED DATE OF START-UP--

(414)-497-4044

(PHONE)

PROCESSES SUBJECT TO THIS PERMIT

THROUGHPUT CAPACITY

POLLUTANT EMITTED

EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION

... & BASIS ... PCT EFF

GAS FIRED PREHEATING FURNACE

5.00 MMBTU/H

PM

0.0350 LB/MLB GAS BAGHOUSE

LAER 99.80

SAND HANDLING SYS.

PM

0.0350 LB/MLB GAS BAGHOUSE

LAER 99.80

HOLDING FURNACE

15.00 T

PM

0.0350 LB/MLB GAS BAGHOUSE

LAER 99.80

ROTARY SHAKEOUT MACHINE, 2 EA

PM

0.0350 LB/MLB GAS BAGHOUSE

LAER 99.80

PULSE JET COLLECTOR

## NOTES

2 EXISTING CUPOLAS, DEMONSTRATE MEET .12 LB/M LB EXHAUST GAS -- OPERATIONS NOT TO EXCEED 16 HRS/DAY, 240 DAYS/YEAR OR 3840 HOURS/YEAR. OPACITY LIMITED TO 20%.

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

PAGE G- 727

ID NUMBER WI-0013

SOURCE TYPE CODE 8.11

# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- GRAY IRON FOUNDRIES

COMPANY NAME/SITE LOCATION VERMONT CASTINGS

RANDOLPH, VT

DETERMINATION IS BACT FOR A NEW SOURCE.

PERMIT NO.

DETERMINATION MADE BY VERMONT AEC

(AGENCY)

LARRY MILLER

(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 12/23/81

ESTIMATED DATE OF START-UP--

(802)-828-3395

(PHONE)

PROCESSES SUBJECT  
TO THIS PERMIT

THROUGHPUT  
CAPACITY

POLLUTANT  
EMITTED

EMISSION LIMITS  
CONTROL EQUIPMENT OR PROCESS MODIFICATION

... & BASIS  
... PCT EFF

CUPOLA FURNACE

15.00 T/H MELT

PM

1.0000 LB/H

WET IMPACTION SCRUBBER

99.70

CO

47.0000 LB/H

2000.0000 PPM

INCINERATION

NEGLEGIBLE

WET IMPACTION SCRUBBER

0.8% SULFUR FUEL

98.70

NOTES -----

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

PAGE 6- 728

ID NUMBER VT-0001

SOURCE TYPE CODE 8.11

# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- GRAY IRON FOUNDRIES

COMPANY NAME/SITE LOCATION WAUPACA FOUNDRY PLANT #2

WAUPACA, WI

DETERMINATION IS BACT FOR A MODIFIED SOURCE.

PERMIT NO. MAA-06-80-69-99

DETERMINATION MADE BY WISCONSIN DNR

(AGENCY)

DALE ZIEGE

(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 01/20/81

ESTIMATED DATE OF START-UP--

(608)-866-0113

(PHONE)

PROCESSES SUBJECT  
TO THIS PERMIT

THROUGHPUT  
CAPACITY

POLLUTANT  
EMITTED

EMISSION LIMITS  
CONTROL EQUIPMENT OR PROCESS MODIFICATION

... & BASIS  
... PCT EFF

CUPOLA

80.00 T/H

PM

6.4700 LB/H

HIGH ENERGY VENTURI SCRUBBER

98.00

CO

INCIN AT 1300 F FOR 3 SEC

99.00

NOTES

MAX OPERATION 6620 HRS/YEAR

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

PAGE 6- 729

ID NUMBER WI-0012

SOURCE TYPE CODE 8.11

# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE---

GRAY IRON FOUNDRIES

300.00 MOLDS/H

COMPANY NAME/SITE LOCATION W-K-M VALUE DIV. OF ACF INDUSTRIES

, TX

DETERMINATION IS BACT FOR A MODIFIED SOURCE.

PERMIT NO. PSD-TX-289

DETERMINATION MADE BY EPA REGION VI

(AGENCY)

JOHN BUNYAK

(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 02/22/80

ESTIMATED DATE OF START-UP-- 1980

(214)-767-1594

(PHONE)

PROCESSES SUBJECT TO THIS PERMIT

THROUGHPUT CAPACITY

POLLUTANT EMITTED

EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION

... & BASIS ... PCT EFF

BLOWER STACK

300.00 MOLDS/H

PM

5.0000 LB/H

BAGHOUSE

99.99

BLOWER STACK

0.5000 LB/H

BAGHOUSE

99.99

OVENS, 2

PM

0.5500 LB/H EA

BAGHOUSE

99.99

NOTES -----

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

PAGE 6- 130

ID NUMBER TX-0078

SOURCE TYPE CODE 8.11

# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- SECONDARY LEAD SMELTING

COMPANY NAME/SITE LOCATION HAMMOND LEAD PROD., HALSTAB DIV HAMMOND, IN

DETERMINATION IS LAER  
 PERMIT NO. 665 & 676  
 DETERMINATION MADE BY HAMMOND APC  
 (AGENCY) RAFIU DANIA  
 (AGENCY CONTACT PERSON)  
 DATE OF PERMIT ISSUANCE-- 11/25/81  
 ESTIMATED DATE OF START-UP--  
 (219)-853-6306  
 (PHONE)

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

|                   |               |    |             |          |      |       |
|-------------------|---------------|----|-------------|----------|------|-------|
| LITHARGE HANDLING | 4000.00 LB/H  | PM | 0.2000 LB/H | BAGHOUSE | LAER | 99.80 |
| MATL. BLENDING    | 10000.00 LB/H | PM | 0.0500 LB/H | BAGHOUSE | LAER | 99.80 |

NOTES -----

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- SECONDARY LEAD SMELTING

COMPANY NAME/SITE LOCATION P.B. CO.

SILVER LAKE, IN

DETERMINATION IS BACT FOR A NEW SOURCE.  
PERMIT NO. PC(43)1488  
DETERMINATION MADE BY INDIANA APCD  
(AGENCY)

ANDY SUNDERLAND  
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 07/03/81  
ESTIMATED DATE OF START-UP--  
(317)-633-0663  
(PHONE)

PROCESSES SUBJECT  
TO THIS PERMIT

THROUGHPUT  
CAPACITY

POLLUTANT  
EMITTED

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

ROTARY FURNACE

4125.00 T/YR

PM

5.0000 T/YR

BAGHOUSE

99.50

NOTES -----  
2000 HRS/YEAR

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.



# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- SECONDARY MAGNESIUM SMELTING 78800.00 T/YR MGO

COMPANY NAME/SITE LOCATION ALLIED CHEMICAL CORP. CLAYMONT, DE NEW CASTLE COUNTY  
DELAWARE VALLEY WORKS

DETERMINATION IS BACT FOR A MODIFIED SOURCE. DATE OF PERMIT ISSUANCE-- 11/18/80  
PERMIT NO. 80DE02 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

REGEN FACILITY,MGO 14234.00 LB/H S02 .5% S FUEL/S02 FED H2S04 PLANT BACT 100.00

## NOTES

100% EFF. WHEN FEEDING SULFURIC ACID PLANT. SOURCE IS OWNED BY PHILADELPHIA ELEC. CO., BUT OPERATED BY ALLIED CHEMICAL DELAWARE VALLEY WORKS. S02 LIMIT APPLICABLE WHEN VENTED TO ATMOSPHERE. MAGNESIUM OXIDE REGENERATION FACILITY INCLUDES PROCESS HEATERS, CALCINER START-UP BURNERS, & CALCINER BURNERS.

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- STEEL FOUNDRIES 260.00 MT/YR

COMPANY NAME/SITE LOCATION ABEX CORP. QUEMAHONING TOWNSHIP, PA SOMERSET COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE. DATE OF PERMIT ISSUANCE-- 07/20/79  
 PERMIT NO. 79PA03 ESTIMATED DATE OF START-UP-- 1980  
 DETERMINATION MADE BY EPA REGION III BOB BLASZCZAK (215)-597-8186  
 (AGENCY) (AGENCY CONTACT PERSON) (PHONE)

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

|               |               |    |                                                                  |               |
|---------------|---------------|----|------------------------------------------------------------------|---------------|
| ARC FURNACES  | 34.50 T/H     | PM | 1.5500 LB/H STACK, EA -4 UNITS<br>BAGHOUSE                       | BACT<br>99.00 |
| SAND HANDLING | 7.50 T/H SAND | CO | 14.8000 LB/H                                                     | BACT          |
| CORE BAKING   | 34.50 T/H     | PM | 0.7000 LB/H W/O RECLAIM.<br>3.6200 LB/H WITH RECLAIM<br>BAGHOUSE | BACT<br>99.50 |
| CORE MAKING   | 34.50 T/H     | PM | 0.1300 LB/H                                                      | BACT          |
| METAL POURING | 34.50 T/H     | PM | 0.1200 LB/H<br>BAGHOUSE                                          | BACT<br>99.00 |
| MOLD SPRAYING | 34.50 T/H     | PM | 0.2900 LB/H<br>BAGHOUSE                                          | BACT<br>99.50 |
|               |               | PM | 0.0500 LB/H<br>BAGHOUSE                                          | BACT<br>99.50 |

(CONTINUED) ABEX CORP.

| PROCESSES SUBJECT<br>TO THIS PERMIT | THROUGHPUT<br>CAPACITY | POLLUTANT<br>EMITTED | EMISSION LIMITS<br>CONTROL EQUIPMENT OR PROCESS MODIFICATION | ... & BASIS<br>... PCT EFF |
|-------------------------------------|------------------------|----------------------|--------------------------------------------------------------|----------------------------|
| WHEEL PICKOUT                       | 34.50 T/H              | PM                   | 0.5600 LB/H<br>BAGHOUSE                                      | BACT<br>99.50              |
| WHEEL CLEANING                      | 34.50 T/H              | PM                   | 1.0200 LB/H<br>BAGHOUSE                                      | BACT<br>99.50              |
| WHEEL PEENING                       | 34.50 T/H              | PM                   | 0.2900 LB/H<br>BAGHOUSE                                      | BACT<br>99.50              |
| GRAPHITE MACHINING                  | 34.50 T/H              | PM                   | 0.0500 LB/H<br>BAGHOUSE                                      | BACT<br>99.50              |

NOTES -----

EMISSIONS FROM THE ELECTRIC ARC FURNACE CONTROL DEVICES SHALL NOT EXHIBIT 3% OPACITY OR GREATER. EMISSION POINTS OTHER THAN THE ARC FURNACE CONTROLS SHALL NOT EXHIBIT 10% OPACITY OR GREATER

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- STEEL FOUNDRIES 41.00 MT/YR

COMPANY NAME/SITE LOCATION INTERNAT. METALS RECLAMATION CO. ELLWOOD CITY, PA LAWRENCE COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE. DATE OF PERMIT ISSUANCE-- 10/02/79  
 PERMIT NO. 78PA11 ESTIMATED DATE OF START-UP-- 1978  
 DETERMINATION MADE BY EPA REGION III VERNON BUTLER  
 (AGENCY) (AGENCY CONTACT PERSON) (215)-597-2711  
 (PHONE)

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

|                               |           |    |             |          |      |       |
|-------------------------------|-----------|----|-------------|----------|------|-------|
| MILL SCALE PREPARATION        | 40.00 T/D | PM | 0.8600 LB/H | BAGHOUSE | BACT | 99.90 |
| ROT. HEARTH FURN. FEED. PREP. |           | PM | 0.4100 LB/H | BAGHOUSE | BACT | 99.90 |
| PNEUMATIC UNLOAD              | 20.00 T/H | PM | 0.0600 LB/H | BAGHOUSE | BACT | 99.90 |
| PELLET DRYER                  | 8.30 T/H  | PM | 0.1500 LB/H | BAGHOUSE | BACT | 99.90 |
| ELECT. ARC FURNACE            | 6.00 T/H  | PM | 6.5000 LB/H | SCRUBBER | BACT | 97.70 |
| ROTARY HEARTH FURNACE         | 12.30 T/H | PM | 2.4000 LB/H | SCRUBBER | BACT | 98.90 |

NOTES -----

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- STEEL FOUNDRIES 4.00 T

COMPANY NAME/SITE LOCATION K O STEEL CASTING, INC. SAN ANTONIO, TX BEXAR COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE. DATE OF PERMIT ISSUANCE-- 10/03/78  
 PERMIT NO. C6789 ESTIMATED DATE OF START-UP-- 1980  
 DETERMINATION MADE BY TEXAS ACB (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 |
|----------------------------------|---------------------|-------------------|-----------------------------------------------------------|-------------------------|
|----------------------------------|---------------------|-------------------|-----------------------------------------------------------|-------------------------|

|                      |          |     |                            |                |
|----------------------|----------|-----|----------------------------|----------------|
| ELECTRIC ARC FURNACE | 2.80 T/H | PM  | 3.1000 LB/H<br>6.4000 T/YR | FABRIC FILTERS |
|                      |          | NOX | 0.6000 LB/H<br>1.2000 T/YR |                |

NOTES -----  
 THE FURNACE IS LOCATED INSIDE AN ENCLOSED ROOM AND THE ROOM IS VENTED TO THE BAGHOUSE

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- STEEL FOUNDRIES 60.00 T/H

COMPANY NAME/SITE LOCATION STRUCTURAL METALS, INC. SEGUIN, TX GUADALUPE COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE. DATE OF PERMIT ISSUANCE-- 05/07/80  
 PERMIT NO. 0243 ESTIMATED DATE OF START-UP-- 1980  
 DETERMINATION MADE BY TEXAS ACB WAYNE DAVISON (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 |
|----------------------------------|---------------------|-------------------|-----------------------------------------------------------|-------------------------|
|----------------------------------|---------------------|-------------------|-----------------------------------------------------------|-------------------------|

|                       |           |    |                              |                         |
|-----------------------|-----------|----|------------------------------|-------------------------|
| ELECTRIC ARC FURNACES | 60.00 T/H | PM | 17.1000 LB/H<br>75.0000 T/YR | VENTED TO FABRIC FILTER |
|                       |           | CO | 3.1000 LB/H<br>13.5000 T/YR  |                         |
|                       |           |    |                              |                         |

NOTES -----  
 EMISSION LIMITS SET BY NSPS

(\* ) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- ORE CRUSHING AND GRINDING

COMPANY NAME/SITE LOCATION NATIONAL STEEL PELLET CO.

KEERATIN, MN

DETERMINATION IS BACT FOR A MODIFIED SOURCE.

PERMIT NO. 62-81-I-9 DATE OF PERMIT ISSUANCE-- 12/08/81  
ESTIMATED DATE OF START-UP-- 1982

DETERMINATION MADE BY MINNESOTA PCA  
(AGENCY)

JAMES KOLAR  
(AGENCY CONTACT PERSON)

(612)-296-7274  
(PHONE)

PROCESSES SUBJECT  
TO THIS PERMIT

THROUGHPUT  
CAPACITY

POLLUTANT  
EMITTED

EMISSION LIMITS  
CONTROL EQUIPMENT OR PROCESS MODIFICATION

... & BASIS  
... PCT EFF

PELLET CONCENTRATOR MILL LINES,\*

PM

3.3000 T/YR

VENTURI ROD SCRUBBER

BACT  
98.00

## NOTES -----

VENTURI ROD SCRUBBERS ARE VERY EFFICIENT IN CONTROLLING MOISTURE LADEN MICRON SIZE PARTICULATE.

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- OTHER METALLURGICAL PROCESSES

COMPANY NAME/SITE LOCATION AIRCO CARBON NIAGARA FALLS, NY

DETERMINATION IS BACT FOR A MODIFIED SOURCE. DATE OF PERMIT ISSUANCE-- 04/30/82  
 PERMIT NO. ESTIMATED DATE OF START-UP-- 1984  
 DETERMINATION MADE BY EPA REGION II BARRY TORNICK (212)-264-9579  
 (AGENCY) (AGENCY CONTACT PERSON) (PHONE)

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

CARBOTTOM BAKE/REBAKE ELECTRODE\*

CO 0.0400 LB/H THERMAL INCINERATOR BACT  
 99.90

GRAPHITE KILN

CO INT. RESIST. GRAPHITIZING PROC. BACT

NOTES -----

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.



# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- OTHER METALLURGICAL PROCESSES 300.00 LB/H

COMPANY NAME/SITE LOCATION ATLAS MINERALS MOAB, UT

DETERMINATION IS BACT FOR A MODIFIED SOURCE.  
 PERMIT NO. NA/ 110382-2T  
 DETERMINATION MADE BY UTAH BAG  
 (AGENCY)  
 DON ROBINSON  
 (AGENCY CONTACT PERSON)  
 DATE OF PERMIT ISSUANCE-- 12/07/82  
 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 |
|----------------------------------|---------------------|-------------------|---------------------------------------------------------------------------------------------------------------------------|-------------------------|
| V205 FUSION FURNACE              | 300.00 LB/H         | PM                | 0.0200 GR/DSCF<br>PACKED BED SCRUBBER                                                                                     | 99.00                   |
|                                  |                     | SO2               | PACKED BED SCRUBBER                                                                                                       | 99.00                   |
|                                  |                     | H2S*              | CARTRIDGE MIST ELIMINATOR, CAUSTIC SCRUBBING S*<br>PACKED BED SCRUBBER<br>CARTRIDGE MIST ELIMINATOR, CAUSTIC SCRUBBING S* | 99.00                   |

NOTES -----  
 THIS SYSTEM WAS INSTALLED TO REDUCE OPACITY OF EMISSIONS TO BELOW 20% ON AN EXISTING SOURCE WHICH WAS IN THE 30% TO 40% OPACITY RANGE

# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

## SOURCE TYPE/SIZE--- OTHER METALLURGICAL PROCESSES

COMPANY NAME/SITE LOCATION CUYAHOGA SMELTING & PROCESSING CO., INC. CLEVELAND, OH 44109

DETERMINATION IS BACT FOR A NEW SOURCE.  
 PERMIT NO. 13-931  
 DETERMINATION MADE BY CLEVELAND DAPC (AGENCY)  
 IKRAM HABIB (AGENCY CONTACT PERSON)  
 DATE OF PERMIT ISSUANCE--  
 ESTIMATED DATE OF START-UP-- 1982  
 (216)-664-3508 (PHONE)

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

|                          |          |    |                           |       |
|--------------------------|----------|----|---------------------------|-------|
| DROSS CHARGING & WASHING | 4.00 T/H | PM | 0.0320 GR/DSCF BAGHOUSE   | 98.00 |
|                          |          |    | SPECIAL DESIGNED CHARGING |       |
|                          |          | PM | 0.0320 GR/DSCF            |       |
|                          |          |    | 0.7700 LB/DT BAGHOUSE     | 98.00 |
| DRYING                   | 2.25 T/H | PM | 0.6800 T/YR               |       |

NOTES -----  
 THE PERMANENT CHARGING HOPPER AND THE PORTABLE 2-CUBIC YARD BOXES WERE ESPECIALLY DESIGNED SO THAT THE BOX FITS OVER THE OPENING OF THE HOPPER PROVIDING AIR-LOCK DROSS CHARGING TO ELIMINATE THE FUGITIVE EMISSIONS.

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- OTHER METALLURGICAL PROCESSES

COMPANY NAME/SITE LOCATION DAYTON WALTHER CORP.

, KY

DETERMINATION IS BACT  
PERMIT NO. C-82-160  
DETERMINATION MADE BY

KENTUCKY DAPC  
(AGENCY)

BILL DILLS  
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 07/30/82  
ESTIMATED DATE OF START-UP--  
(502)-564-3382  
(PHONE)

PROCESSES SUBJECT  
TO THIS PERMIT

THROUGHPUT  
CAPACITY

POLLUTANT  
EMITTED

EMISSION LIMITS  
CONTROL EQUIPMENT OR PROCESS MODIFICATION

... & BASIS  
... PCT EFF

PRE-HEATER-NG, 2 FURNACES

12.00 T/H

PM 20.0000 LB/H  
36.0000 T/YR

FABRIC FILTER

98.00

SAND HANDLING

124.00 T/H

PM 6.8800 LB/H  
12.4000 T/YR

FABRIC FILTER

BARRAL BLAST

10.00 T/H

PM 12.7800 LB/H  
23.0000 T/YR

FABRIC FILTER

98.00

RETURN SAND SYSTEM

26.30 T/H

PM 1.4600 LB/H  
2.6200 T/YR

WET SCRUBBER

98.00

NOTES -----

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

PAGE 6- 743

ID NUMBER KY-0032

SOURCE TYPE CODE 8.22

# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- OTHER METALLURGICAL PROCESSES

COMPANY NAME/SITE LOCATION LAKE SIDE SLAG

CHICAGO, IL

COOK COUNTY

DETERMINATION IS LAER FOR A NEW SOURCE.  
 PERMIT NO. C80 05 049  
 DETERMINATION MADE BY ILLINOIS EPA  
 (AGENCY)

DATE OF PERMIT ISSUANCE-- 12/01/80  
 ESTIMATED DATE OF START-UP-- 1981  
 (217)-782-2113  
 (PHONE)

CHRIS ROMAINE  
 (AGENCY CONTACT PERSON)

PROCESSES SUBJECT  
 TO THIS PERMIT

THROUGHPUT  
 CAPACITY

POLLUTANT  
 EMITTED

EMISSION LIMITS  
 CONTROL EQUIPMENT OR PROCESS MODIFICATION

... & BASIS  
 ... PCT EFF

PRIMARY & SECONDARY CRUSHERS & \*

HAUL ROAD

PM

SPRAY BARS, MANUAL, & AUTO CONTRL

PLANT ROADS

PM

PAVED & SWEPT WEEKLY

STOCKPILES

PM

OILED WEEKLY

PM

DETERGENT SPRAYS

NOTES -----

LAER ESTABLISHED FOR TEMPORARY PLANT. TOTAL LIFE TWO-YEAR FROM START-UP.

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

PAGE G- 744

ID NUMBER IL-0016

SOURCE TYPE CODE 8-22

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- OTHER METALLURGICAL PROCESSES 156600.00 LB/MONTH

COMPANY NAME/SITE LOCATION SMITH INTERNATIONAL, INC. EL DORADO VALLEY, NV CLARK COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE. DATE OF PERMIT ISSUANCE-- 03/24/82  
 PERMIT NO. ESTIMATED DATE OF START-UP-- 1983  
 DETERMINATION MADE BY CLARK COUNTY MIKE NAYLOR (702)-383-1276  
 (AGENCY) (AGENCY CONTACT PERSON) (PHONE)

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

ATTRITION MILLS, 6 EA 26100.00 LB/MONTH HEP\* 40.0000 T/YR CHILLER & SCRUBBER SYS BACT 95.00

NOTES -----  
 HEPTANE IS THE LIQUID MEDIUM USED IN THE ATTRITION MILL

# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- OTHER METALLURGICAL PROCESSES 36000.00 T/YR

COMPANY NAME/SITE LOCATION SUPERIOR GRAPHITE P.O. BOX 535 HOPKINSVILLE, KY 42240 CHRISTIAN COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE. DATE OF PERMIT ISSUANCE-- 03/10/80  
 PERMIT NO. C-80-9 ESTIMATED DATE OF START-UP--  
 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 |
|----------------------------------|---------------------|-------------------|-----------------------------------------------------------|-------------------------|
|----------------------------------|---------------------|-------------------|-----------------------------------------------------------|-------------------------|

|                           |                       |             |                                                        |               |
|---------------------------|-----------------------|-------------|--------------------------------------------------------|---------------|
| RESEARCH GRAPHITE FURNACE | 250.00 LB/H           | PM<br>SO2   | SCRUBBER, AFTER BURNER<br>4% S IN FEED MATERIAL        |               |
| GRAPHITE FURNACE, 2       | 11600.00 LB/H SEE NO* | NOX<br>H2S* | 11.4000 LB/H<br>47.9000 T/YR<br>DOUBLE ALKALI SCRUBBER | BACT<br>98.20 |
| MATERIAL, PRODUCT LOADING |                       | PM          | 8.4400 LB/H<br>35.4700 T/YR<br>EXISTING BAGHOUSE       | 99.50         |
| GRAPHITE FURNACE          | 11000.00 T/YR         | PM          | 5.4000 LB/H<br>16.8000 T/YR<br>BAGHOUSE                |               |
|                           |                       | SO2         | 739.0000 T/YR                                          |               |

(CONTINUED) SUPERIOR GRAPHITE

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

COKE HANDLING

|    |                             |
|----|-----------------------------|
| PM | 5.4000 LB/H<br>16.8000 T/YR |
|----|-----------------------------|

PRODUCT HANDLING

NOTES -----

NOTE #1 - AMENDED TO 8000. LB/H COMBINED ON 3/11/81.

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- OTHER METALLURGICAL PROCESSES

COMPANY NAME/SITE LOCATION TRINITY INDUSTRIES INC

FORT WORTH, TX

TARRANT COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.

PERMIT NO. 8524

DETERMINATION MADE BY

TEXAS ACB  
( AGENCY )

ART KELLOGG  
( AGENCY CONTACT PERSON )

DATE OF PERMIT ISSUANCE-- 07/24/81  
ESTIMATED DATE OF START-UP-- 1980  
(512)-451-5711  
( PHONE )

PROCESSES SUBJECT  
TO THIS PERMIT

THROUGHPUT  
CAPACITY

POLLUTANT  
EMITTED

EMISSION LIMITS  
CONTROL EQUIPMENT OR PROCESS MODIFICATION

... & BASIS  
... PCT EFF

RAIL CAR SHOT BLASTING

25000.00 CFM

PM

0.0100 GR/ACF

VENTURI SCRUB W/CYC PRECLEANER

98.00

NOTES -----

EMISSION LIMITS ARE BACT, DETERMINED BY TECHNOLOGY & ECONOMICS

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.



# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

## SOURCE TYPE/SIZE--- OTHER METALLURGICAL PROCESSES

COMPANY NAME/SITE LOCATION WISCONSIN CENTRIFUGAL

WAUKESHA, WI

DETERMINATION IS LAER FOR A MODIFIED SOURCE.  
PERMIT NO. MAN-12-DFS-82-68-1194  
DETERMINATION MADE BY WISCONSIN DNR  
(AGENCY)

DAVE SEITZ  
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE--  
ESTIMATED DATE OF START-UP--  
(608)-267-7545  
(PHONE)

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

|                                 |                |    |                                           |               |
|---------------------------------|----------------|----|-------------------------------------------|---------------|
| INDUCTION FURN., 6, MELT. FURN. | 650.00 LB/H EA | PM | 1.3000 LB/T<br>0.0060 GR/DSCF<br>BAGHOUSE | LAER<br>97.00 |
| INDUCTION FURN., 3, HOLD. FURN. | 650.00 LB/H EA | PM | 1.3000 LB/T<br>0.0060 GR/DSCF<br>BAGHOUSE | LAER<br>97.00 |
| CASTING MACHINE                 | 5795.00 LB/H   | PM | 0.0060 GR/DSCF<br>BAGHOUSE                | LAER<br>97.00 |

## NOTES

EMISSION OFFSETS WERE REQUIRED. EMISSION RATE OF FURNACES BASED ON MAXIMUM CONTROLLED EMISSION OF TABLE 7.9-1 OF AP-42 FOR CAS  
TING MACHINES ASSURED 0.3 LB/TON & 97% CONTROL FROM TABLE 7.9-2 OF AP-42  
MELT. FURNACES ARE WIRED IN PAIRS AND ONLY 3 CAN OPERATE AT ONE TIME.

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

3.00 T/H

OTHER METALLURGICAL PROCESSES

SOURCE TYPE/SIZE---

WAUKESHA, WI

WISCONSIN CENTRIFUGAL INC.

COMPANY NAME/SITE LOCATION

DATE OF PERMIT ISSUANCE--  
ESTIMATED DATE OF START-UP--  
(608)-267-7545  
(PHONE)

DETERMINATION IS LAER FOR A MODIFIED SOURCE.  
PERMIT NO. MAN-12-PFS-82-68-136  
DETERMINATION MADE BY WISCONSIN DNR  
(AGENCY)

DAVE SEITZ  
(AGENCY CONTACT PERSON)

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

|                              |                |    |             |          |      |       |
|------------------------------|----------------|----|-------------|----------|------|-------|
| INDUCTION FURNACES, 2        | 1.50 T/H EA    | PM | 1.3000 LB/T | BAGHOUSE | AP42 | 97.00 |
| VERTICAL CASTING MACHINES, 2 | 425.00 LB/H EA | PM | 0.0020 LB/H | BAGHOUSE |      | 97.00 |

NOTES -----  
EMISSION OFFSETS WERE REQUIRED. EMISSION RATE OF FURNACES BASED ON MAX. CONTROLLED EMISSION FACTOR OF TABLE 7.9-1. EMISSION FACTOR FOR CASTING ASSUMED = 0.3 LB/T FROM FUGITIVE EST. IN TABLE 7.9-2 OF AP-42.

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

ID NUMBER WI-0031

SOURCE TYPE CODE 8.22

PAGE 6- 750

# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- OTHER METALLURGICAL PROCESSES 6900.00 LB/H

COMPANY NAME/SITE LOCATION WISCONSIN CENTRIFUGAL INC. WAUKESHA, WI

DETERMINATION IS LAER FOR A MODIFIED SOURCE. DATE OF PERMIT ISSUANCE--  
 PERMIT NO. MAN-12-DFS-82-68-136 ESTIMATED DATE OF START-UP--  
 DETERMINATION MADE BY WISCONSIN DNR (608)-267-7545  
 (AGENCY) DAVE SEITZ (PHONE)  
 (AGENCY CONTACT PERSON)

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

|                              |                |    |                      |            |
|------------------------------|----------------|----|----------------------|------------|
| INDUCTION FURNACES, 2        | 1.50 T/H EA    | PM | 1.3000 LB/T BAGHOUSE | AP42 97.00 |
| VERTICAL CASTING MACHINES, 2 | 425.00 LB/H EA | PM | 0.0020 LB/H BAGHOUSE | LAER 97.00 |

NOTES -----  
 EMISSION OFFSETS WERE REQUIRED. EMISSION RATE OF FURNACES BASED ON MAX. CONTROLLED EMISSION OF TABLE 7.9-1 OF AP-42. CASTING MACHINES ASSUMED 0.3 LB/T & 97% CONTROL FROM TABLE 7.9-2 OF AP-42.

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- ASPHALT BATCHING PLANTS

COMPANY NAME/SITE LOCATION ALBANY CEDAR RAPIDS MOD.

ALBANY, WI

DETERMINATION IS BACT FOR A NEW SOURCE.  
 PERMIT NO. MAA-03-80-23-070  
 DETERMINATION MADE BY WISCONSIN DNR  
 (AGENCY)

DATE OF PERMIT ISSUANCE-- 08/01/80  
 ESTIMATED DATE OF START-UP--  
 (608)-266-9418  
 (PHONE)

BRIAN GALLEY  
 (AGENCY CONTACT PERSON)

PROCESSES SUBJECT  
 TO THIS PERMIT

THROUGHPUT  
 CAPACITY

POLLUTANT  
 EMITTED

EMISSION LIMITS  
 CONTROL EQUIPMENT OR PROCESS MODIFICATION

... & BASIS  
 ... PCT EFF

ASPHALT MIX

PM

0.0400 GR/DSCF  
 BAGHOUSE

99.90

NOTES -----

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

PAGE 6- 752

ID NUMBER WI-0019

SOURCE TYPE CODE

9.1

# APPENDIX -- DETAILED SOURCE LISTING

04/29/1993

SOURCE TYPE/SIZE--- ASPHALT BATCHING PLANTS 220.00 T/H

COMPANY NAME/SITE LOCATION ASPHALT PRODUCTS CORP.

SOCASTEE, SC

HORRY COUNTY

DETERMINATION IS FOR A NEW SOURCE.

PERMIT NO. PSD-SC-030  
DETERMINATION MADE BY

SOUTH CAROLINA DHEC  
(AGENCY)

DAVID FLEMING  
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 02/14/80  
ESTIMATED DATE OF START-UP--  
(803)-758-5406  
(PHONE)

PROCESSES SUBJECT  
TO THIS PERMIT

THROUGHPUT  
CAPACITY

POLLUTANT  
EMITTED

EMISSION LIMITS  
CONTROL EQUIPMENT OR PROCESS MODIFICATION

... & BASIS  
... PCT EFF

ASPHALT PLANT

220.00 T/H

PM

53.0000 LB/H  
BAGHOUSE

BACT  
99.50

NOTES -----

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

PAGE 6- 753

ID NUMBER SC-0008

SOURCE TYPE CODE 9.1

# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

|                            |                         |                |              |
|----------------------------|-------------------------|----------------|--------------|
| SOURCE TYPE/SIZE---        | ASPHALT BATCHING PLANTS | 250.00 T/H MAX |              |
| -----                      |                         |                |              |
| COMPANY NAME/SITE LOCATION | BERKS PRODUCTS CORP.    | READING, PA    | BERKS COUNTY |
| -----                      |                         |                |              |

DETERMINATION IS BACT FOR A NEW SOURCE.

|                       |                |                         |                                    |
|-----------------------|----------------|-------------------------|------------------------------------|
| PERMIT NO. 79PA16     | EPA REGION III | VERNON BUTLER           | DATE OF PERMIT ISSUANCE-- 09/12/79 |
| DETERMINATION MADE BY | (AGENCY)       | (AGENCY CONTACT PERSON) | ESTIMATED DATE OF START-UP-- 1979  |
|                       |                |                         | (215)-597-2711                     |
|                       |                |                         | (PHONE)                            |

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

|                        |            |    |                |          |       |
|------------------------|------------|----|----------------|----------|-------|
| DRUM MIX ASPHALT PLANT | 250.00 T/H | PM | 6.0100 LB/H    |          | BACT  |
|                        |            |    | 0.0400 GR/DSCF | BAGHOUSE | 99.89 |

NOTES -----

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- ASPHALT BATCHING PLANTS

347.00 T/H

COMPANY NAME/SITE LOCATION B.R. AMON & SONS, INC.

ELKHORN, WI

JUMEAU COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.

PERMIT NO. ATT-05-80-65-022

DETERMINATION MADE BY WISCONSIN DNR

(AGENCY)

MIKE DEBROCK

(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 05/23/80

ESTIMATED DATE OF START-UP-- 1981

(715)-362-7616

(PHONE)

PROCESSES SUBJECT  
TO THIS PERMIT

THROUGHPUT  
CAPACITY

POLLUTANT  
EMITTED

EMISSION LIMITS

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

DRUM MIX PLANT

347.00 T/H

PM

0.0400 GR/DSCF

BAGHOUSE, 504 BAGS

99.90

NOTES -----

NATURAL GAS OR #2 OIL ONLY FUELS ALLOWED UNDER PERMIT, 347 TPH MAX THROUGHPUTTESTED 09/02/80 AT .0065GR/DSCF, A RANGE OF TESTS

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

PAGE 6- 755

ID NUMBER WI-0018

SOURCE TYPE CODE 9.1

# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

|                            |                              |                                           |
|----------------------------|------------------------------|-------------------------------------------|
| SOURCE TYPE/SIZE---        | ASPHALT BATCHING PLANTS      |                                           |
| COMPANY NAME/SITE LOCATION | C.F. CONSTRUCTION CO.        | OXFORD, MS                                |
| DETERMINATION IS           | DATE OF PERMIT ISSUANCE--    | 04/02/80                                  |
| PERMIT NO. MS-028          | ESTIMATED DATE OF START-UP-- |                                           |
| DETERMINATION MADE BY      | MISSISSIPPI DNR              |                                           |
|                            | (AGENCY)                     |                                           |
|                            | DWIGHT WILEY                 |                                           |
|                            | (AGENCY CONTACT PERSON)      |                                           |
| PROCESSES SUBJECT          | THROUGHPUT                   | EMISSION LIMITS                           |
| TO THIS PERMIT             | CAPACITY                     | CONTROL EQUIPMENT OR PROCESS MODIFICATION |
|                            |                              | ... & BASIS                               |
|                            |                              | ... PCT EFF                               |

NOTES -----

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.



# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- ASPHALT BATCHING PLANTS

120.00 T/H

COMPANY NAME/SITE LOCATION E.E. MOORE PAVING, INC.

NITRO, WV

PUTMAN COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.

PERMIT NO. 79WV02

DETERMINATION MADE BY EPA REGION III

(AGENCY)

BOB BLASZCZAK

(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 06/06/79

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

HOT MIX ASPHALT PLANT

120.00 T/H

PM

0.0320 GR/DSCF

5.8000 LB/H

BAGHOUSE

NSPS

99.90

NOTES -----

EMISSION LIMIT LESS THAN 20% OPACITY

STACK TESTS PERFORMED ON PLANT 06/80. RESULTS - 0.0194 GR/SCF , 3.5 LB/H.

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

PAGE 6- 757

ID NUMBER WV-0010

SOURCE TYPE CODE 9.1

# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- ASPHALT BATCHING PLANTS 300.00 T/H

COMPANY NAME/SITE LOCATION E.J. BRENNEMAN INC. SPRING TOWNSHIP, PA BERKS COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE. DATE OF PERMIT ISSUANCE-- 07/16/79  
 PERMIT NO. 79PA08 ESTIMATED DATE OF START-UP--  
 DETERMINATION MADE BY EPA REGION III (215)-597-8186  
 (AGENCY) BOB BLASZCZAK (PHONE)  
 (AGENCY CONTACT PERSON)

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

|                        |            |    |                                           |               |
|------------------------|------------|----|-------------------------------------------|---------------|
| DRUM MIX ASPHALT PLANT | 300.00 T/H | PM | 0.0100 GR/DSCF<br>2.6000 LB/H<br>BAGHOUSE | BACT<br>99.90 |
|------------------------|------------|----|-------------------------------------------|---------------|

NOTES -----

# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- OTHER MINERAL PRODUCTS INDUSTRY 200750.00 T/YR  
 COMPANY NAME/SITE LOCATION PPG INDUSTRIES SHELBY, NC

DETERMINATION IS BACT FOR A NEW SOURCE. DATE OF PERMIT ISSUANCE-- 10/03/80  
 PERMIT NO. NC-056 ESTIMATED DATE OF START-UP--  
 DETERMINATION MADE BY NORTH CAROLINA DEM MIKE SEWELL (919)-733-6126  
 (AGENCY) (AGENCY CONTACT PERSON) (PHONE)

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

RAW MATERIAL STORAGE 200750.00 T/YR  
 PM 1.7000 LB/H BACT  
 SO2 6.2000 LB/H BAGHOUSE + SILO 99.00 BACT  
 LOW SULFUR

NOTES -----

(\* ) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

## SOURCE TYPE/SIZE--- OTHER MINERAL PRODUCTS INDUSTRY

COMPANY NAME/SITE LOCATION SW ELECT. POWER DALLAS, TX 75250  
2700 ONE MAIN PL.

DETERMINATION IS BACT FOR A NEW SOURCE. DATE OF PERMIT ISSUANCE-- 02/23/81  
PERMIT NO. PSD-TX-130 ESTIMATED DATE OF START-UP--  
DETERMINATION MADE BY EPA REGION VI (214)-767-1594  
(AGENCY) JOHN BUNYAK (PHONE)  
(AGENCY CONTACT PERSON)

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

|                             |              |    |                                            |       |
|-----------------------------|--------------|----|--------------------------------------------|-------|
| LIGNITE TRUCK UNLOAD HOPPER | 29433.00 T/D | PM | 7.4000 LB/H WET SUPPRESSION                | 50.00 |
| LIGNITE DISCHARGE CHUTE     | 29433.00 T/D | PM | 0.0800 LB/H WET SUPPRES.& TELESCOPIC CHUTE | 75.00 |
| LIGNITE RECLAIMING          | 33600.00 T/D | PM | 0.1600 LB/H WET SUPPRES.& PART. ENCLOSURE  | 50.00 |
| LIGNITE STORAGE PILES       | 57.40 LB/D   | PM | 2.3900 LB/H COMPACTION                     | 0.00  |
| LIMESTONE CAR HOPPER        | 1892.00 T/D  | PM | 0.0800 LB/H BAGHOUSE                       | 90.00 |

NOTES -----

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- ASPHALT BATCHING PLANTS 200.00 T/H  
 COMPANY NAME/SITE LOCATION FRANCIS O. DAY CO., INC. ROCKVILLE, MD MONTGOMERY COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE. DATE OF PERMIT ISSUANCE-- 05/14/79  
 PERMIT NO. 78M010 ESTIMATED DATE OF START-UP--  
 DETERMINATION MADE BY EPA REGION III BOB BLASZCZAK (215)-597-8186  
 (AGENCY) (AGENCY CONTACT PERSON) (PHONE)

| PROCESSES SUBJECT TO THIS PERMIT | THROUGHPUT CAPACITY | POLLUTANT EMITTED | EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION | ... & BASIS ... PCT EFF |
|----------------------------------|---------------------|-------------------|-----------------------------------------------------------|-------------------------|
| ASPHALT PLANT                    | 200.00 T/H          | PM                | 0.0300 GR/DSCF<br>8.7000 LB/H<br>BAGHOUSE                 | BACT<br>99.90           |

NOTES -----  
 SOURCE IS NOT PSD UNDER NEW DEFINITION.

# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE---

ASPHALT BATCHING PLANTS

400.00 T/H

WARREN, OH

GENNARO ASPHALT CO.,INC

DETERMINATION IS BACT FOR A NEW SOURCE.

PERMIT NO. PTI 02-793

DETERMINATION MADE BY OHIO EPA - NED

(AGENCY)

TED DAVIS

(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 07/08/81

ESTIMATED DATE OF START-UP-- 1981

(216)-425-9171

(PHONE)

PROCESSES SUBJECT  
TO THIS PERMIT

THROUGHPUT  
CAPACITY

POLLUTANT  
EMITTED

EMISSION LIMITS  
CONTROL EQUIPMENT OR PROCESS MODIFICATION

... & BASIS  
... PCT EFF

DRUM MIX ASPHALT CONCRETE PLANT

400.00 T/H

PM

0.0400 GR/DSCF

FABRIC FILTER

NSPS

99.60

NOTES -----

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

PAGE 6- 760

ID NUMBER OH-0030

SOURCE TYPE CODE 9.1

# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- ASPHALT BATCHING PLANTS 414.00 T/H 5% H2O

COMPANY NAME/SITE LOCATION HIGHWAY PAVERS, INC. MILWAUKEE, WI

DETERMINATION IS BACT FOR A NEW SOURCE. DATE OF PERMIT ISSUANCE-- 03/06/80  
 PERMIT NO. ATT-04-80-41-039 ESTIMATED DATE OF START-UP--  
 DETERMINATION MADE BY WISCONSIN DNR LARRY NIGHTINGALE (414)-257-4411  
 (AGENCY) (AGENCY CONTACT PERSON) (PHONE)

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

MIX PLANT

|     |                       |       |
|-----|-----------------------|-------|
| PH  | 0.0400 GR/DSCF        | 99.90 |
| SO2 | BAGHOUSE              |       |
|     | #2 OIL - .5% S BY WT. |       |

NOTES -----  
 FUEL OIL #2 LIMITED TO .5% BY WEIGHT, 1.1 MMGAL/YEAR. STACK TESTS REQUIRED

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- ASPHALT BATCHING PLANTS

COMPANY NAME/SITE LOCATION INDIANHEAD BLACKTOP INC  
POPLAR AVE

CAMERON, WI 54822

DETERMINATION IS NSPS FOR A NEW SOURCE.  
PERMIT NO. (REGION FILE NO.) MIA-10-KAM-82-03-072  
DETERMINATION MADE BY WISCONSIN DNR  
(AGENCY)

DATE OF PERMIT ISSUANCE-- 07/14/82  
ESTIMATED DATE OF START-UP-- 1982  
(608)-267-7542  
(PHONE)

KRIS MCKINNEY  
(AGENCY CONTACT PERSON)

PROCESSES SUBJECT  
TO THIS PERMIT

THROUGHPUT  
CAPACITY

POLLUTANT  
EMITTED

EMISSION LIMITS  
CONTROL EQUIPMENT OR PROCESS MODIFICATION

... & BASIS  
... PCT EFF

ASPHALT MIX

155.00 T/H

|     |               |       |
|-----|---------------|-------|
| PM  | 5.4000 T/YR   | NSPS  |
|     | SCRUBBER      | 99.50 |
| S02 | 110.2100 T/YR |       |
| NOX | 5.5800 T/YR   |       |
| VOC | 27.9000 T/YR  |       |
| CO  | 5.5800 T/YR   |       |

NOTES -----

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

PAGE G- 762

ID NUMBER WI-0025

SOURCE TYPE CODE 9.1



# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

## SOURCE TYPE/SIZE--- ASPHALT BATCHING PLANTS

COMPANY NAME/SITE LOCATION IVERSION CONSTRUCTION CO., PLATTEVILLE PLATTEVILLE, WI  
WANTLAND QUARRY

DETERMINATION IS BACT FOR A NEW SOURCE. DATE OF PERMIT ISSUANCE-- 06/12/80  
PERMIT NO. ATT-04-80-22-044 ESTIMATED DATE OF START-UP--  
DETERMINATION MADE BY WISCONSIN DNR (608)-267-9418  
(AGENCY) BRIAN GALLEY (PHONE)  
(AGENCY CONTACT PERSON)

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

MIX PLANT

FUGITIVE DUST

PM 0.0400 GR/DSCF

PM NR154.11(2)

NOTES -----  
TEST REQUIRED, TESTED 06/23/81 AT .023 GR/DSCF, AVERAGE OF 5 RUNS.

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- ASPHALT BATCHING PLANTS 250.00 T/H

COMPANY NAME/SITE LOCATION J.F. CLECKLEY & CO. DORCHESTER, SC DORCHESTER COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE. DATE OF PERMIT ISSUANCE-- 01/21/80  
 PERMIT NO. PSD-SC-029 ESTIMATED DATE OF START-UP--  
 DETERMINATION MADE BY SOUTH CAROLINA DHEC (803)-758-5406  
 (AGENCY) DAVID FLEMING (PHONE)  
 (AGENCY CONTACT PERSON)

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

ASPHALT 250.00 T/H PM 42.0000 T/YR BACT 99.50  
 S02 110.0000 T/YR BAGHOUSE  
 NONE

NOTES -----

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- ASPHALT BATCHING PLANTS

COMPANY NAME/SITE LOCATION J.H. RUDOLPH & CO., INC.

TROY, IN

DETERMINATION IS  
PERMIT NO. EPA-5-A-80-13  
DETERMINATION MADE BY

EPA REGION V  
(AGENCY)

BONIFACE THAYIL  
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 01/21/80  
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

ASPHALT BATCH PLANT

PM

0.0400 GR/DSCF  
BAGHOUSE

99.90

SO2

0.5% S FUEL, MAX

NOTES -----

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

PAGE 6- 765

ID NUMBER IN-0005

SOURCE TYPE CODE 9.1

# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- ASPHALT BATCHING PLANTS 230.00 T/H

COMPANY NAME/SITE LOCATION KEOWN SUPPLY CO. CONROE, TX MONTGOMERY COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE. DATE OF PERMIT ISSUANCE-- 02/18/82  
 PERMIT NO. 8781 ESTIMATED DATE OF START-UP-- 1982  
 DETERMINATION MADE BY TEXAS ACB ROBERT MAUEL (512)-451-5711  
 (AGENCY) (AGENCY CONTACT PERSON) (PHONE)

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

DRUM MIXER 230.00 T/H PM 9.0000 LB/H VENTURI SCRUBBER 98.00  
 SO2 8.0000 LB/H

NOTES -----  
 PLANT SUBJECT TO NSPS FOR ASPHALT CONCRETE PLANTS.

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

## SOURCE TYPE/SIZE--- ASPHALT BATCHING PLANTS

COMPANY NAME/SITE LOCATION KOKOSING MATERIALS, INC MORRIS TWP., OH KNOX COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.  
 PERMIT NO. 0342000022P001  
 DETERMINATION MADE BY OHIO EPA - CO  
 (AGENCY) JAY MCCOY  
 (AGENCY CONTACT PERSON) DATE OF PERMIT ISSUANCE-- 02/05/82  
 ESTIMATED DATE OF START-UP-- 1981  
 (614)-864-3195  
 (PHONE)

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

|                        |                |     |                                    |      |
|------------------------|----------------|-----|------------------------------------|------|
| ASPHALT CONCRETE PLANT | 540000.00 LB/H | PM  | 0.0400 GR/DSCF<br>VENTURI SCRUBBER | NSPS |
|                        |                | VOC |                                    |      |

## NOTES

PERMIT REQUIRES COMPLIANCE WITH NSPS AND REPORTING AS TO 1) CONSTRUCTION DATE, 2) ANTICIPATED STARTUP DATE, 3) ACTUAL STARTUP DATE, AND 4) DATE OF PERFORMANCE TESTING, TOGETHER WITH A REPORT OF THE RESULTS OF SUCH TESTING.  
 REQUIREMENTS MET, PTO ISSUED.

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- ASPHALT BATCHING PLANTS 130.00 T/YR HOT MIX

COMPANY NAME/SITE LOCATION L.A. REYNOLDS MAYSVILLE, NC

DETERMINATION IS BACT FOR A NEW SOURCE. DATE OF PERMIT ISSUANCE-- 01/16/80  
 PERMIT NO. NC-053 ESTIMATED DATE OF START-UP--  
 DETERMINATION MADE BY NORTH CAROLINA DEM MIKE SEWELL (919)-733-6126  
 (AGENCY) (AGENCY CONTACT PERSON) (PHONE)

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

ROTARY DRYER PH 25.2000 T/YR BACT  
 CYCLONE-VENTURI SCRUBBER  
 LIMIT HR 2400.

NOTES -----

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- ASPHALT BATCHING PLANTS 160.00 T/H

COMPANY NAME/SITE LOCATION MARVIN V. TEMPLETON AND SONS, INC. PINEY RIVER, VA AMHERST COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE. DATE OF PERMIT ISSUANCE-- 05/07/79  
 PERMIT NO. 79VA04 ESTIMATED DATE OF START-UP--  
 DETERMINATION MADE BY EPA REGION III BOB BLASZCZAK (215)-597-8186  
 (AGENCY) (AGENCY CONTACT PERSON) (PHONE)

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

HOT MIX ASPHALT PLANT 160.00 T/H PM 6.4000 LB/H CYCLONE, WET VENTURI BACT 99.90

NOTES -----  
 PERMIT RESCINDED 9/4/81

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- ASPHALT BATCHING PLANTS 495.00 T/YR

COMPANY NAME/SITE LOCATION MATHY CONSTRUCTION CO. TREMPLEALEAN TOWNSHIP, WI  
HIWAY 93

DETERMINATION IS PERMIT NO. MIA-CMB(DLJ)-81-62-\* DATE OF PERMIT ISSUANCE-- 03/19/82  
DETERMINATION MADE BY WISCONSIN DNR ESTIMATED DATE OF START-UP-- 1982  
(AGENCY) DAN JOHNSTON (605)-267-9500  
(AGENCY CONTACT PERSON) (PHONE)

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

|                        |            |    |                            |               |
|------------------------|------------|----|----------------------------|---------------|
| DRUM MIX ASPHALT PLANT | 495.00 T/H | PM | 0.0400 GR/DSCF<br>BAGHOUSE | NSPS<br>99.80 |
|------------------------|------------|----|----------------------------|---------------|

NOTES -----

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.



# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- ASPHALT BATCHING PLANTS

COMPANY NAME/SITE LOCATION MATHY CONSTRUCTION CO. PLANT #14

FINLEY, WI

JUNEAU COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.

PERMIT NO. MAA-03-80-42-069

DETERMINATION MADE BY WISCONSIN DNR

(AGENCY)

JOE ANCEL

(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 03/01/81

ESTIMATED DATE OF START-UP--

(715)-423-5670

(PHONE)

PROCESSES SUBJECT  
TO THIS PERMIT

THROUGHPUT  
CAPACITY

POLLUTANT  
EMITTED

EMISSION LIMITS  
CONTROL EQUIPMENT OR PROCESS MODIFICATION

... & BASIS  
... PCT EFF

MIX PLANT

PM

0.0400 GR/DSCF

VENTURI SCRUB, CYC SEP., DEMISTER

99.00

NOTES -----

HAVING DIFFICULTIES MEETING EMISSION LIMIT. OPERATE AT 18 FT TO 23 FT WATER GUAGE PRESSURE DROP.

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

PAGE G- 771

ID NUMBER WI-0014

SOURCE TYPE CODE 9.1

# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- ASPHALT BATCHING PLANTS 40.00 T/H  
 COMPANY NAME/SITE LOCATION MILLCREEK TOWNSHIP  
 MILLCREEK TOWNSHIP, PA  
 ERIE COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.  
 PERMIT NO. 79PA05  
 DETERMINATION MADE BY EPA REGION III  
 (AGENCY)  
 BOB BLASZCZAK  
 (AGENCY CONTACT PERSON)  
 DATE OF PERMIT ISSUANCE-- 05/14/79  
 ESTIMATED DATE OF START-UP-- 1979  
 (215)-597-8186  
 (PHONE)

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

DRUM MIX ASPHALT PLANT 40.00 T/H PM 0.0400 GR/DSCF BACT  
 20.0000 % CAPACITY MAX 99.50  
 WET VENTURI

NOTES -----

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- ASPHALT BATCHING PLANTS 200000.00 T/YR

COMPANY NAME/SITE LOCATION MILLER ASPHALT PRODUCTS, INC. FINKSBURG, MD CARROLL COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE. DATE OF PERMIT ISSUANCE-- 03/16/79  
 PERMIT NO. 79MD01 ESTIMATED DATE OF START-UP-- 1979  
 DETERMINATION MADE BY EPA REGION III VERNON BUTLER  
 (AGENCY) (AGENCY CONTACT PERSON) (215)-597-2711  
 (PHONE)

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

PLANT 200100.00 T/YR PM 0.0300 GR/DSCF BACT  
 6.8000 LB/H 99.60  
 BAGHOUSE

NOTES -----  
 SOURCE IS NOT PSD UNDER NEW DEFINITION.

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- ASPHALT BATCHING PLANTS 366.00 T/H

COMPANY NAME/SITE LOCATION MORGANTOWN ASPHALT CO. MORGANTOWN, WV MONOGALIA COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE. DATE OF PERMIT ISSUANCE-- 01/25/80  
 PERMIT NO. 7SHV05 ESTIMATED DATE OF START-UP-- 1980  
 DETERMINATION MADE BY EPA REGION III (215)-597-2711  
 (AGENCY) (AGENCY CONTACT PERSON) (PHONE)

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

ASPHALT BATCH PLANT 366.00 T/H PM 0.0400 GR/DSCF BACT  
 13.6300 LB/H 99.90  
 CYCLONE, BAGHOUSE

NOTES -----

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- ASPHALT BATCHING PLANTS 240.00 T/H

COMPANY NAME/SITE LOCATION M.A. LAYMAN & SONS

HARRISONBURG, VA

ROCKINGHAM COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.

DATE OF PERMIT ISSUANCE-- 07/16/79

ESTIMATED DATE OF START-UP-- 1979

(804)-786-4867

(PHONE)

PAUL PITTS

(AGENCY CONTACT PERSON)

VIRGINIA APCB

(AGENCY)

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

HOT MIX ASPHALT PLANT

240.00 T/YR

PM

0.0400 GR/DSCF

7.3000 LB/H

BACT

SO2 2.0000 % S FUEL BY WT

WET VENTURI

99.90 BACT

## NOTES -----

YEARLY OUTPUT LIMITED TO 200,000 TONS PER YEAR OF ASPHALT. PARTICULATE EMISSIONS LIMITED TO LESS THAN 20% OPACITY.

PERMIT RESCINDED 3/23/81. REGISTRATION # 20038.

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- ASPHALT BATCHING PLANTS 400.00 T/H

COMPANY NAME/SITE LOCATION PAYNE & DOLAN INC. , WI FOND DU LAC COUNTY

DETERMINATION IS NSPS FOR A NEW SOURCE. DATE OF PERMIT ISSUANCE-- 07/07/82  
 PERMIT NO. (REGION FILE NO.) MIA-IRS-82-20-070 ESTIMATED DATE OF START-UP--  
 DETERMINATION MADE BY WISCONSIN DNR (608)-266-6876  
 (AGENCY) IMELDA STAMM (PHONE)  
 (AGENCY CONTACT PERSON)

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

|             |            |     |               |       |
|-------------|------------|-----|---------------|-------|
| ASPHALT MIX | 400.00 T/H | PM  | 48.3600 T/YR  | NSPS  |
|             |            |     | BAGHOUSE      | 99.99 |
|             |            | SO2 | 90.2200 T/YR  |       |
|             |            | CO  | 14.1700 T/YR  |       |
|             |            | NOX | 170.3000 T/YR |       |
|             |            | VOC | 2.8300 T/YR   |       |

NOTES -----

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- ASPHALT BATCHING PLANTS 300.00 T/H

COMPANY NAME/SITE LOCATION PAYNE & DOLAN INC., WAUKESHA SPRINGFIELD, WI DANE COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE. DATE OF PERMIT ISSUANCE-- 06/12/80  
 PERMIT NO. ATT-04-80-20-049 ESTIMATED DATE OF START-UP--  
 DETERMINATION MADE BY WISCONSIN DNR (608)-267-9418  
 (AGENCY) BRIAN GALLEY (PHONE)  
 (AGENCY CONTACT PERSON)

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

|           |  |    |                         |       |
|-----------|--|----|-------------------------|-------|
| MIX PLANT |  | PM | 0.0400 GR/DSCF BAGHOUSE | 99.90 |
|-----------|--|----|-------------------------|-------|

|               |  |     |                         |  |
|---------------|--|-----|-------------------------|--|
| FUGITIVE DUST |  | PM  | 0.5000                  |  |
|               |  | SO2 | LOW SULFUR OIL, 0.50% S |  |

NOTES -----  
 STACK TEST REQUIRED

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- ASPHALT BATCHING PLANTS 300.00 T/H

COMPANY NAME/SITE LOCATION PENDLETON CONSTRUCTION CO. LYNCHBURG, VA LYNCHBURG CITY COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE. DATE OF PERMIT ISSUANCE-- 01/02/80  
 PERMIT NO. 79VA10 ESTIMATED DATE OF START-UP-- 1979  
 DETERMINATION MADE BY EPA REGION III BOB BLASZCZAK (215)-597-8186  
 (AGENCY) (AGENCY CONTACT PERSON) (PHONE)

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

BARBER-GREEN ASPHALT PLANT 300.00 T/H PM 13.5000 LB/H BACT  
 20.0000 % OPACITY 99.00  
 MULTICYCLONE, VEN TURI SCRUB.

NOTES -----  
 PERMIT RESCINDED 10/21/81

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.



# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- ASPHALT BATCHING PLANTS

COMPANY NAME/SITE LOCATION REIN, SCHULTZ, & DAHL

, WI

LAFAYETTE COUNTY

DETERMINATION IS NSPS FOR A NEW SOURCE.  
 PERMIT NO. (REGION FILE NO.) MIA-10-DLJ-82-33-153  
 DETERMINATION MADE BY WISCONSIN DNR  
 (AGENCY)

DAN JOHNSTON  
 (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 12/03/82  
 ESTIMATED DATE OF START-UP--  
 (608)-267-9500  
 (PHONE)

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

|             |            |     |                                                              |       |
|-------------|------------|-----|--------------------------------------------------------------|-------|
| ASPHALT MIX | 250.00 T/H | PM  | 18.5600 T/YR<br>0.0500 T/YR, ACTUAL<br>BAGHOUSE, REVERSE AIR | 99.90 |
|             |            | PM  | 0.0400 GR/DSCF                                               |       |
|             |            | SOX | 83.1000 T/YR                                                 |       |
|             |            | VE  | 0.8000 T/YR, ACTUAL                                          |       |
|             |            | CO  | 20.0000 % OPACITY                                            |       |
|             |            |     | 41.6000 T/YR                                                 |       |
|             |            | VOC | 0.4000 T/YR, ACTUAL                                          |       |
|             |            |     | 219.0000 T/YR                                                |       |
|             |            | NOX | 2.0000 T/YR, ACTUAL                                          |       |
|             |            |     | 39.0000 T/YR                                                 |       |
|             |            |     | 0.4000 T/YR, ACTUAL                                          |       |

NOTES -----

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- ASPHALT BATCHING PLANTS 300.00 T/YR HOT MIX

COMPANY NAME/SITE LOCATION RGK INDUSTRIES FAYETTEVILLE, NC

DETERMINATION IS BACT FOR A NEW SOURCE. DATE OF PERMIT ISSUANCE-- 01/29/80  
 PERMIT NO. NC-062 ESTIMATED DATE OF START-UP--  
 DETERMINATION MADE BY NORTH CAROLINA DEM (919)-733-6126  
 (AGENCY) (PHONE)  
 MIKE SEWELL  
 (AGENCY CONTACT PERSON)

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

ASPHALT 300.00 T/YR PM 36.0000 T/YR CYCLONE + WET SCRUBBER BACT

NOTES -----

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- ASPHALT BATCHING PLANTS 400.00 T/H

COMPANY NAME/SITE LOCATION ROCKROAD OF WISCONSIN  
HIGHWAY 14 & 140

, WI

ROCK COUNTY

DETERMINATION IS NSPS FOR A NEW SOURCE.

PERMIT NO. MIA-10-KJC-82-54-130

DETERMINATION MADE BY WISCONSIN DNR

(AGENCY)

KATHY CARTMRIGHT

(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 09/15/82

ESTIMATED DATE OF START-UP--

(608)-266-0244

(PHONE)

PROCESSES SUBJECT  
TO THIS PERMIT

THROUGHPUT  
CAPACITY

ASPHALT MIX

400.00 T/H

POLLUTANT  
EMITTED

EMISSION LIMITS  
CONTROL EQUIPMENT OR PROCESS MODIFICATION

... & BASIS  
... PCT EFF

PM

8.9000 T/YR

0.4000 GR/OSCF

PM

20.0000 % OPACITY

SOX 12.6000 T/YR

NOX 8.4000 T/YR

VENTURI SCRUBBER

NOTES -----

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

PAGE 6- 761

ID NUMBER WI-0026

SOURCE TYPE CODE 9.1

# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- ASPHALT BATCHING PLANTS 210.00 T/H

COMPANY NAME/SITE LOCATION RODNEY RASMUSSEN CO. SALINA, UT 84654 SEVIER COUNTY  
45 SOUTH 2ND WEST

DETERMINATION IS BACT FOR A NEW SOURCE. DATE OF PERMIT ISSUANCE-- 01/04/81  
PERMIT NO. ESTIMATED DATE OF START-UP--  
DETERMINATION MADE BY EPA REGION VIII (303)-837-3763  
(AGENCY) JOHN DALE (PHCHE)  
(AGENCY CONTACT PERSON)

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

ASPHALT PLANT 210.00 T/H PM 0.0400 GR/DSCF BACT  
VENTURI 99.70

NOTES -----  
PORTABLE ASPHALT PLANT, CONTINUOUS DRUM MIX.

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- ASPHALT BATCHING PLANTS 150.00 T/H

COMPANY NAME/SITE LOCATION STEELSTONE HOULTON, ME

DETERMINATION IS BACT FOR A NEW SOURCE.

PERMIT NO.

DETERMINATION MADE BY

MAINE DEP  
(AGENCY)

ROBERT BALLEW  
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 11/23/82  
ESTIMATED DATE OF START-UP-- 1983  
(207)-289-2437  
(PHONE)

PROCESSES SUBJECT  
TO THIS PERMIT

THROUGHPUT  
CAPACITY

POLLUTANT  
EMITTED

EMISSION LIMITS  
CONTROL EQUIPMENT OR PROCESS MODIFICATION

... & BASIS  
... PCT EFF

ASPHALT BATCHING

150.00 T/H

PM

0.0400 GR/DSCF  
BAGHOUSE

NSPS

SO2

NO. 2 FUEL OIL

AGGREGATE HANDLING & ROADS

PM

WATER SPRAY AS NEEDED

ROADS

PM

PAVE / SURFACTANT / WATER

NOTES -----

LIMITED TO ALLOWED OF 10 LB/H, 100 LB/D, 5 T/YR TO AVOID MODELING. LIMITED TO 1913 TONS ASPHALT CONCRETE PER DAY & 191326 T/YR

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- ASPHALT BATCHING PLANTS 100.00 T/H

COMPANY NAME/SITE LOCATION STORY ASPHALT-PAVING LANETT, AL

DETERMINATION IS BACT FOR A NEW SOURCE. DATE OF PERMIT ISSUANCE-- 03/10/81  
 PERMIT NO. AL-076 ESTIMATED DATE OF START-UP--  
 DETERMINATION MADE BY ALABAMA APCD SUE ROBERTSON (205)-834-6570  
 (AGENCY) (AGENCY CONTACT PERSON) (PHONE)

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

ASPHALT BATCH 1 100.00 T/H PM 0.0400 GR/DSCF MULTICYCLONE & WET SCRUBBER NSPS

NOTES -----

(\*1 INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- ASPHALT BATCHING PLANTS 250.00 T/H

COMPANY NAME/SITE LOCATION SUPERIOR SAND & ASPHALT CO. MORGANTOWN, WV MONONGALIA COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE. DATE OF PERMIT ISSUANCE-- 01/02/79  
 PERMIT NO. 78M001 ESTIMATED DATE OF START-UP-- 1979  
 DETERMINATION MADE BY EPA REGION III VERNON BUTLER  
 (AGENCY) (AGENCY CONTACT PERSON) (PHONE)

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

ASPHALT PLANT 250.00 T/H PM 0.0400 GR/DSCF BACT  
 11.0000 LB/H 99.70  
 BAGHOUSE

NOTES -----

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- ASPHALT BATCHING PLANTS 158.00 T/H

COMPANY NAME/SITE LOCATION SYKESVILLE CONSTRUCTION CO., INC. BALTIMORE, MD CARROLL COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE. DATE OF PERMIT ISSUANCE-- 04/03/79  
 PERMIT NO. 78MD02 ESTIMATED DATE OF START-UP-- 1979  
 DETERMINATION MADE BY EPA REGION III EDWARD VOLLBERG (215)-597-8309  
 (AGENCY) (AGENCY CONTACT PERSON) (PHONE)

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

PLANT 158.00 T/H PM 7.3000 LB/H BACT  
 0.0300 GR/SCFD 99.97  
 BAGHOUSE

NOTES -----  
 SOURCE IS NOT PSD UNDER NEW DEFINITION.

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.



# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

## SOURCE TYPE/SIZE--- ASPHALT BATCHING PLANTS

400.00 T/H

COMPANY NAME/SITE LOCATION THE HORVITZ CO.  
900 CLARK AVENUE

CLEVELAND, OH 44113

DETERMINATION IS BACT FOR A NEW SOURCE.

PERMIT NO. 13-945

DETERMINATION MADE BY CLEVELAND DAPC  
(AGENCY)

DATE OF PERMIT ISSUANCE--

ESTIMATED DATE OF START-UP-- 1982

(216)-664-3508  
(PHONE)

IKRAM HABIB  
(AGENCY CONTACT PERSON)

PROCESSES SUBJECT  
TO THIS PERMIT

THROUGHPUT  
CAPACITY

POLLUTANT  
EMITTED

EMISSION LIMITS  
CONTROL EQUIPMENT OR PROCESS MODIFICATION

... & BASIS  
... PCT EFF

HOT ASPHALT CONCRETE DRUM MIX M\* 400.00 T/H

PM

0.0400 GR/DSCF

VENTURI SCRUBBER

BACT  
85.00

HOT ASPHALT CONCRETE DRUM MIX M\* 300.00 T/H

VE

20.0000 % OPACITY

NOTES -----

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- ASPHALT BATCHING PLANTS

COMPANY NAME/SITE LOCATION TRI-STATE ASPHALT CORP.

WARREN TWP, OH

WASHINGTON COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.

PERMIT NO. 06-669

DETERMINATION MADE BY OHIO EPA - SED

(AGENCY)

FRED KLINGELHAER

(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE--

ESTIMATED DATE OF START-UP--

(614)-385-8501

(PHONE)

PROCESSES SUBJECT  
TO THIS PERMIT

THROUGHPUT  
CAPACITY

POLLUTANT  
EMITTED

EMISSION LIMITS  
CONTROL EQUIPMENT OR PROCESS MODIFICATION

... & BASIS  
... PCT EFF

BARBER-GREENE DM-66 ASPHALT BAT\* 410.00 T/H

PM

0.0400 GR/DSCF

BAGHOUSE

VOC

SO2

99.90

< 0.3 % S OIL BY WT.

NOTES -----

PERMIT REQUIRES SOURCE TO REPORT ON 1) DATE OF CONSTRUCTION STARTUP, 2) DATE OF COMPLETION OF CONSTRUCTION, 3) STARTUP DATE, A  
ND 4) DATE OF PERFORMANCE TESTING, AND REQUIRES COMPLIANCE WITH NSPS REQUIREMENTS.

(\* ) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

PAGE G-- 788

ID NUMBER OH-0031

SOURCE TYPE CODE 9.1

# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- ASPHALT BATCHING PLANTS 185.00 T/H

COMPANY NAME/SITE LOCATION WINDSOR SERVICES, INC. N. LEBANON TOWNSHIP, PA LEBANON COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE. DATE OF PERMIT ISSUANCE-- 05/07/79  
 PERMIT NO. 79PA06 ESTIMATED DATE OF START-UP-- 1979  
 DETERMINATION MADE BY EPA REGION III BOB BLASZCZAK (215)-597-8186  
 (AGENCY) (AGENCY CONTACT PERSON) (PHONE)

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

PLANT 185.00 T/H PM 6.1300 LB/H BACT  
 CYCLONE, BAGHOUSE 99.90

NOTES -----  
 PERMIT RESCINDED 1/14/82.

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- ASPHALT BATCHING PLANTS 110.00 T/H

COMPANY NAME/SITE LOCATION ZARLENGO BROS., INC. HILLSVILLE, PA LAWRENCE COUNTY  
NORTH BEAVER TOWNSHIP

DETERMINATION IS BACT FOR A NEW SOURCE. DATE OF PERMIT ISSUANCE-- 01/21/80  
PERMIT NO. 79PA25 ESTIMATED DATE OF START-UP-- 1979  
DETERMINATION MADE BY EPA REGION III (215)-597-7936  
(AGENCY) (PHONE)  
DAVID ARNOLD  
(AGENCY CONTACT PERSON)

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

ASPHALT BATCH PLANT 110.00 T/H

PM 0.0390 GR/DSCF BACT  
4.5000 LB/H 99.90  
MULTICYCLONE, BAGHOUSE

NOTES -----  
RELOCATION FROM EXISTING SITE  
PERMIT RESCINDED 11/30/81.

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

# APPENDIX -- DETAILED SOURCE LISTING

04/29/1993

SOURCE TYPE/SIZE--- BRICKS, CERAMIC, AND RELATED CLAY PRODUCTS

COMPANY NAME/SITE LOCATION D. M. STEWARD CO. CHATTANOOGA, TN

DETERMINATION IS BACT FOR A NEW SOURCE. DATE OF PERMIT ISSUANCE-- 10/08/82  
 PERMIT NO. 23-C,24-C,25-C ESTIMATED DATE OF START-UP-- 1982  
 DETERMINATION MADE BY CHATTANOOGA APCB (615)-867-4321  
 (AGENCY) (PHONE)  
 JAMES FRENCH  
 (AGENCY CONTACT PERSON)

| PROCESSES SUBJECT TO THIS PERMIT | THROUGHPUT CAPACITY | POLLUTANT EMITTED | EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION | ... & BASIS ... PCT EFF |
|----------------------------------|---------------------|-------------------|-----------------------------------------------------------|-------------------------|
| #1 SILO BIN VENT                 | 19200.00 LB/H       | PM                | 9.6000 LB/H BAGHOUSE                                      | BACT 99.50              |
| #2 SILO BIN VENT                 | 19200.00 LB/H       | PM                | 9.6000 LB/H BAGHOUSE                                      | BACT 99.50              |
| #3 SILO BIN VENT                 | 9700.00 LB/H        | PM                | 4.9000 LB/H BAGHOUSE                                      | BACT 99.50              |

NOTES -----  
 PERMIT 23-C REFERS TO #1 SILO, 24-C REFERS TO #2 SILO, AND 25-C REFERS TO #3 SILO.

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- BRICKS, CERAMIC, AND RELATED CLAY PRODUCTS 201000.00 T/YR

COMPANY NAME/SITE LOCATION GEORGIA KAOLIN CO. DRY BRANCH, GA

DETERMINATION IS BACT PERMIT NO. (REGION FILE NO.) PSD-GA-073 DATE OF PERMIT ISSUANCE-- 05/18/81  
 DETERMINATION MADE BY GEORGIA DNR ESTIMATED DATE OF START-UP--  
 (AGENCY) BILL MITCHELL (404)-656-6900  
 (AGENCY CONTACT PERSON) (PHONE)

| PROCESSES SUBJECT TO THIS PERMIT | THROUGHPUT CAPACITY | POLLUTANT ENITTED | EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION | ... & BASIS ... PCT EFF |
|----------------------------------|---------------------|-------------------|-----------------------------------------------------------|-------------------------|
| BAUER MILLS                      | 1.50 T/H            | PM                | 0.0200 GR/DSCF BAGHOUSE                                   | BACT 99.00              |
| SPRAY DRYER                      | 34.00 T/H           | PM                | 0.0200 GR/DSCF BAGHOUSE                                   | BACT 99.00              |

NOTES -----

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- BRICKS, CERAMIC, AND RELATED CLAY PRODUCTS 130.00 T/D

COMPANY NAME/SITE LOCATION INTERNATIONAL AMERICAN CERAMICS, INC. , OK

DETERMINATION IS BACT FOR A NEW SOURCE. DATE OF PERMIT ISSUANCE-- 04/06/81  
 PERMIT NO. T81-14 ESTIMATED DATE OF START-UP-- 1981  
 DETERMINATION MADE BY TULSA CITY-COUNTY HEALTH DEPT BILL GIBBONS (918)-744-1000  
 (AGENCY) (AGENCY CONTACT PERSON) (PHONE)

| PROCESSES SUBJECT TO THIS PERMIT | THROUGHPUT CAPACITY | POLLUTANT EMITTED | EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION | ... & BASIS ... PCT EFF |
|----------------------------------|---------------------|-------------------|-----------------------------------------------------------|-------------------------|
| RAW MATERIALS PREP               | 152.00 T/D          | PM                | 4.6000 LB/H DRY/WET COLLECTORS                            | BACT 90.00              |
| SPRAY DRYER                      | 130.00 T/D          | PM                | 4.6000 LB/H DRY/WET COLLECTORS                            | BACT 99.00              |
| BISQUE DRYER                     | 130.00 T/D          | PM                | 0.6500 LB/H DRY/WET COLLECTORS                            | BACT 99.00              |
| TILE KILNS                       | 130.00 T/D          | PM                | 0.6500 LB/H DRY/WET COLLECTORS                            | BACT 99.00              |
| DRYER/KILNS                      |                     | NOX               | 40.8000 T/YR                                              |                         |

NOTES -----  
 CONTROL EFFICIENCIES BASED ON SIMILAR EQUIPMENT TESTING AT A SIMILAR FACILITY (OUT OF COUNTY). MINUTE QUANTITIES OF FLUORIDES, BERYLLIUM, ESTIMATED WITH CONTROL EQUIPMENT.

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- BRICKS, CERAMIC, AND RELATED CLAY PRODUCTS  
 COMPANY NAME/SITE LOCATION KAISER REFRACTORIES NATIVIDAD FACILITY, CA MONTEREY COUNTY  
 DETERMINATION IS BACT FOR A MODIFIED SOURCE.  
 PERMIT NO. (REGION FILE NO.) NCC 80-01  
 DETERMINATION MADE BY EPA REGION IX  
 (AGENCY) BOB BAKER  
 (AGENCY CONTACT PERSON) (415)-974-8220  
 (PHONE)  
 DATE OF PERMIT ISSUANCE-- 09/30/81  
 ESTIMATED DATE OF START-UP--

| PROCESSES SUBJECT TO THIS PERMIT | THROUGHPUT CAPACITY | POLLUTANT EMITTED | EMISSION LIMITS | CONTROL EQUIPMENT OR PROCESS MODIFICATION | ... & BASIS ... PCT EFF |
|----------------------------------|---------------------|-------------------|-----------------|-------------------------------------------|-------------------------|
| DOLORNILE KILNS #1               | 75.00 T/D           | NOX               | 79.7000 LB/H    | STANDARD PETROL COKE BURN.                |                         |
|                                  |                     | S02               | 41.9000 LB/H    | BAGHOUSE                                  |                         |
|                                  |                     |                   |                 | S02 ASOB. BY CALCINED DOLANITE            |                         |
| DOLORNILE KILNS #2               | 75.00 T/D           | NOX               | 79.7000 LB/H    | STD PETROL COKE BURNERS                   |                         |
|                                  |                     | S02               | 41.9000 LB/H    | BAGHOUSE                                  |                         |
|                                  |                     |                   |                 | S02 ASOB. BY CALCINED DOLANITE            |                         |
| DOLORNILE KILMS, #3              | 110.00 T/D          | NOX               | 192.0000 LB/H   | STD PETROL COKE BURNERS                   |                         |
|                                  |                     | S02               | 61.1000 LB/H    | BAGHOUSE                                  |                         |
|                                  |                     |                   |                 | S02 ASOB. BY CALCINED DOLANITE            |                         |

NOTES -----  
 BACT DETERMINATION: S02 - ECONOMICS & TECHNOLOGY. NOX - TECHNOLOGY. KILM MODIFICATIONS: TO BURN COKE, OIL, AND/OR NAT. GAS.

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.



APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- BRICKS, CERAMIC, AND RELATED CLAY PRODUCTS

COMPANY NAME/SITE LOCATION MILCHEM

GLENWOOD, AR

MONTGOMERY COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.  
 PERMIT NO. (REGION FILE NO.) PSD-AR-144  
 DETERMINATION MADE BY EPA REGION VI  
 (AGENCY)

JOHN BUNYAK  
 (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 08/07/79  
 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 |
|----------------------------------|---------------------|-------------------|-----------------------------------------------------------|-------------------------|
|----------------------------------|---------------------|-------------------|-----------------------------------------------------------|-------------------------|

ROTARY DRYER

|    |             |          |  |            |
|----|-------------|----------|--|------------|
| PM | 4.2000 LB/H | BAGHOUSE |  | BACT 90.00 |
|----|-------------|----------|--|------------|

HANDLING/STORAGE

|    |             |          |  |            |
|----|-------------|----------|--|------------|
| PM | 1.0000 LB/H | BAGHOUSE |  | BACT 90.00 |
|----|-------------|----------|--|------------|

RAILCAR LOADOUT

|    |             |          |  |            |
|----|-------------|----------|--|------------|
| PM | 1.0000 LB/H | BAGHOUSE |  | BACT 90.00 |
|----|-------------|----------|--|------------|

NOTES -----

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

| SOURCE TYPE/SIZE---                                                                | REFRACTORIES           | COMPANY NAME/SITE LOCATION | JOHN MANSVILLE SALES CORP                                    | NACOGDOCHES, TX                                                                                      | NACOGDOCHES COUNTY |
|------------------------------------------------------------------------------------|------------------------|----------------------------|--------------------------------------------------------------|------------------------------------------------------------------------------------------------------|--------------------|
| <p>DETERMINATION IS BACT<br/> PERMIT NO. PSD-TX-263<br/> DETERMINATION MADE BY</p> |                        |                            |                                                              |                                                                                                      |                    |
|                                                                                    |                        | EPA REGION VI<br>(AGENCY)  | JOHN BUNYAK<br>(AGENCY CONTACT PERSON)                       | DATE OF PERMIT ISSUANCE-- 01/22/80<br>ESTIMATED DATE OF START-UP-- 1981<br>(214)-767-1594<br>(PHONE) |                    |
| PROCESSES SUBJECT<br>TO THIS PERMIT                                                | THROUGHPUT<br>CAPACITY | POLLUTANT<br>EMITTED       | EMISSION LIMITS<br>CONTROL EQUIPMENT OR PROCESS MODIFICATION | ... & BASIS<br>... PCT EFF                                                                           |                    |
| FIBER PROD. UNIT                                                                   |                        | PM                         | 3.5300 LB/H<br>WET SCRUB/ZIG-ZAG SCRUB                       | 95.00                                                                                                |                    |
| FIBER PROD. UNIT                                                                   |                        | PM                         | 2.1000 LB/H<br>WET SCRUB/ZIG-ZAG SCRUB                       | 95.00                                                                                                |                    |
| FIBER PROD. UNIT                                                                   |                        | PM                         | 3.1000 LB/H<br>WET SCRUB/ZIG-ZAG SCRUB                       | 95.00                                                                                                |                    |
| FIBER PROD. UNIT                                                                   |                        | PM                         | 2.3500 LB/H<br>WET SCRUB/ZIG-ZAG SCRUB                       | 95.00                                                                                                |                    |
| BOILER, 2                                                                          | 3.10 MMBTU/H EA        | PM                         | 0.0600 LB/H<br>NAT GAS FUEL/#2 OIL STANDBY                   |                                                                                                      |                    |
| SILICA STORAGE SILO                                                                | 400.00 MLB             | PM                         | 0.0100 LB/H<br>BAGFILTER                                     | 98.00                                                                                                |                    |

(CONTINUED) JOHN MANSVILLE SALES CORP

| PROCESSES SUBJECT<br>TO THIS PERMIT | THROUGHPUT<br>CAPACITY | POLLUTANT<br>EMITTED | EMISSION LIMITS<br>CONTROL EQUIPMENT OR PROCESS MODIFICATION | ... & BASIS<br>... PCT EFF |
|-------------------------------------|------------------------|----------------------|--------------------------------------------------------------|----------------------------|
| AL. STORAGE SILO                    | 300.00 MLB             | PM                   | 0.0100 LB/H<br>BAGFILTER                                     | 98.00                      |
| DOLOMITE LIME STORAGE               | 200.00 MLB             | PM                   | BAGFILTER                                                    | 98.00                      |
| LIMESTONE STORAGE SILOS, 2          | 200.00 MLB EA          | PM                   | BAGFILTER                                                    | 98.00                      |

NOTES -----

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- REFRACTORIES

COMPANY NAME/SITE LOCATION KAISER REFRACTORIES

MOSS LANDING, CA

DETERMINATION IS BACT FOR A MODIFIED SOURCE.  
 PERMIT NO. (REGION FILE NO.) NCC 80-02  
 DETERMINATION MADE BY EPA REGION IX  
 (AGENCY)

DATE OF PERMIT ISSUANCE-- 09/30/81  
 ESTIMATED DATE OF START-UP--  
 (415)-974-8220  
 (PHONE)

BOB BAKER  
 (AGENCY CONTACT PERSON)

PROCESSES SUBJECT  
 TO THIS PERMIT

THROUGHPUT  
 CAPACITY

POLLUTANT  
 EMITTED

EMISSION LIMITS  
 CONTROL EQUIPMENT OR PROCESS MODIFICATION

... & BASIS  
 ... PCT EFF

KILNS, #1,2,3

165.00 T/D

NOX

515.0000 LB/H TOTAL  
 STD PETROL. COKE BURN.

## NOTES

MODIFICATION OF MAGNESIA KILNS #1,2,3 SO THEY CAN FIRE PETROLEUM COKE, OIL, AND/OR NAT. GAS. BACT IS DETERMINED BY TECHNOLOGY AND ECONOMICS.

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- PORTLAND CEMENT MANUFACTURING

COMPANY NAME/SITE LOCATION CALIF. PORTLAND CEMENT CO

MOJAVE, CA

DETERMINATION IS BACT FOR A MODIFIED SOURCE.  
 PERMIT NO. (REGION FILE NO.) SJ-78-73  
 DETERMINATION MADE BY EPA REGION IX  
 (AGENCY)

DON HARVEY  
 (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 01/12/79  
 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 |
|----------------------------------|---------------------|-------------------|-----------------|-------------------------------------------|-------------------------|
|----------------------------------|---------------------|-------------------|-----------------|-------------------------------------------|-------------------------|

PRECALCINER - KILN 1.00 MMT/YR CEME\*

|     |               |                                     |      |       |
|-----|---------------|-------------------------------------|------|-------|
| PM  | 36.0000 LB/H  | BAGHOUSE                            | BACT | 99.90 |
| SO2 | 616.0000 LB/H | ABSORPTION BY ALKALI                | BACT | 70.00 |
| NOX | NONE          | REDUCED FUEL USAGE, LOW FURN. TEMP. |      |       |

CLINKER COOLER

|    |               |          |      |       |
|----|---------------|----------|------|-------|
| PM | 121.0000 LB/H | BAGHOUSE | BACT | 99.60 |
|----|---------------|----------|------|-------|

PRIMARY CRUSHER

|    |             |          |      |       |
|----|-------------|----------|------|-------|
| PM | 5.0000 LB/H | BAGHOUSE | BACT | 99.50 |
|----|-------------|----------|------|-------|

SAMPLE SYS, SURGE SILO

|    |  |          |  |       |
|----|--|----------|--|-------|
| PM |  | BAGHOUSE |  | 99.50 |
|----|--|----------|--|-------|

SAMPLE SYS, SURGE SILO RECLAIM

|    |  |          |  |       |
|----|--|----------|--|-------|
| PM |  | BAGHOUSE |  | 99.50 |
|----|--|----------|--|-------|

(CONTINUED) CALIF. PORTLAND CEMENT CO

| PROCESSES SUBJECT<br>TO THIS PERMIT | THROUGHPUT<br>CAPACITY | POLLUTANT<br>EMITTED | EMISSION LIMITS<br>CONTROL EQUIPMENT OR PROCESS MODIFICATION | ... & BASIS<br>... PCT EFF |
|-------------------------------------|------------------------|----------------------|--------------------------------------------------------------|----------------------------|
| CONVEYORS & TRANSFER                |                        | PM                   | BAGHOUSE                                                     | 99.50                      |
| MILLS & SCREENS                     |                        | PM                   | BAGHOUSE                                                     | 99.50                      |
| PULVERIZER                          |                        | PM                   | BAGHOUSE                                                     | 99.50                      |
| TRUCK DUMP HOPPER, ADDITIVES SYS    |                        | PM                   | WATER SPRAY                                                  | 90.00                      |
| DUMP HOPPER RECLAIM, ADDITIVES *    |                        | PM                   | BAGHOUSE                                                     | 99.50                      |
| CONVEYOR & TRANSFER, ADDITIVES *    |                        | PM                   | BAGHOUSE                                                     | 99.50                      |
| STORAGE BUILDING, ADDITIVES SYS     |                        | PM                   | BAGHOUSE                                                     | 99.50                      |
| RECLAIM CONVEYORS, ADDITIVES SYS    |                        | PM                   | BAGHOUSE                                                     | 99.50                      |
| STORAGE BLDG & STACKER, LIMESTONE*  |                        | PM                   | BAGHOUSE                                                     | 99.50                      |
| RECLAIM & CONVEYORS, LIMESTONE *    |                        | PM                   | BAGHOUSE                                                     | 99.50                      |

(CONTINUED) CALIF. PORTLAND CEMENT CO

| PROCESSES SUBJECT<br>TO THIS PERMIT                      | THROUGHPUT<br>CAPACITY | POLLUTANT<br>EMITTED | EMISSION LIMITS<br>CONTROL EQUIPMENT OR PROCESS MODIFICATION | ... & BASIS<br>... PCT EFF |
|----------------------------------------------------------|------------------------|----------------------|--------------------------------------------------------------|----------------------------|
| SILOS, ROLLER MILL                                       |                        | PM                   | BAGHOUSE                                                     | 99.50                      |
| SILOS RECLAIM, ROLLER MILL                               |                        | PM                   | BAGHOUSE                                                     | 99.50                      |
| ROLLER MILL & FEED, ROLLER MILL                          |                        | PM                   | WATER SPRAY                                                  | 90.00                      |
| PROD. CONVEYOR, ROLLER MILL                              |                        | PM                   | BAGHOUSE                                                     | 99.50                      |
| HOMOGEN. & KILN, ROLLER MILL<br>HOMOGEN. SILOS, FEED SYS |                        | PM                   | BAGHOUSE                                                     | 99.50                      |
| HOMOGEN. SILOS RECLAIM                                   |                        | PM                   | BAGHOUSE                                                     | 99.50                      |
| KILN FEED                                                |                        | PM                   | BAGHOUSE                                                     | 99.50                      |
| COAL MILL FOR PREHEATER                                  |                        | PM                   | BAGHOUSE                                                     | 99.50                      |
| COAL MILL FOR KILN                                       |                        | PM                   | CYCLONE & BAGHOUSE                                           | 99.50                      |
|                                                          |                        | PM                   | CYCLONE & BAGHOUSE                                           | 99.50                      |

| (CONTINUED) CALIF. PORTLAND CEMENT CO |                        |                      |                                                              |                            |  |
|---------------------------------------|------------------------|----------------------|--------------------------------------------------------------|----------------------------|--|
| PROCESSES SUBJECT<br>TO THIS PERMIT   | THROUGHPUT<br>CAPACITY | POLLUTANT<br>EMITTED | EMISSION LIMITS<br>CONTROL EQUIPMENT OR PROCESS MODIFICATION | ... & BASIS<br>... FCT EFF |  |
| CONVEYORS, CLINKER COOLER             |                        | PM                   | BAGHOUSE                                                     | 99.50                      |  |
| CLINKER TRANSFER                      |                        | PM                   | BAGHOUSE                                                     | 99.50                      |  |
| NOTES -----                           |                        |                      |                                                              |                            |  |



# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- PORTLAND CEMENT MANUFACTURING 1.10 MM1/YR

COMPANY NAME/SITE LOCATION CREOLE CORP. , CA IMPERIAL COUNTY  
NEAR PLASTER CITY

DETERMINATION IS BACT FOR A NEW SOURCE. DATE OF PERMIT ISSUANCE-- 05/20/80  
PERMIT NO. (REGION FILE NO.) SE-78-09 ESTIMATED DATE OF START-UP--  
DETERMINATION MADE BY EPA REGION IX (415)-974-8223  
(AGENCY) DON HARVEY (PHONE)  
(AGENCY CONTACT PERSON)

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

| PROCESS                 | THROUGHPUT CAPACITY    | POLLUTANT EMISSIONS | CONTROL EQUIPMENT                                                   | PROCESS MODIFICATION | BASIS | PCT EFF |
|-------------------------|------------------------|---------------------|---------------------------------------------------------------------|----------------------|-------|---------|
| PREHEATER/KILN MILL (2) | 500000.00 T/YR CEMENT* | PM                  | 23.7000 LB/H<br>0.0180 GR/DSCF EA                                   |                      |       | 99.90   |
|                         |                        | S02                 | 78.3000 LB/H<br>46.0000 PPM 10%O2                                   |                      |       | 85.00   |
|                         |                        | S02                 | 266.0000 LB/H<br>156.0000 PPM AT 10%O2                              |                      |       |         |
|                         |                        | NOX                 | 213.0000 LB/H<br>175.0000 PPM AT 10%O2                              |                      |       |         |
|                         |                        |                     | ABSORPTION OF SULFUR OXIDES BY ALKALI<br>LOW SULFUR COAL            |                      |       |         |
|                         |                        |                     | INCREASED CONTACT BETWEEN ALKALI AND SULFUR BE*                     |                      |       |         |
|                         |                        |                     | REDUCED TEMPERATURE IN PRECALCINING FURNACE<br>HIGH FUEL EFFICIENCY |                      |       |         |
| CLINKER COOLER          |                        | PM                  | 10.2000 LB/H<br>0.0130 GR/DSCF EA                                   |                      |       |         |
| OTHER PM POINT SOURCES  |                        | PM                  | 0.0150 GR/ACFM<br>BAGHOUSES                                         |                      |       |         |

(CONTINUED) CREOLE CORP.

| PROCESSES SUBJECT<br>TO THIS PERMIT | THROUGHPUT<br>CAPACITY | POLLUTANT<br>EMITTED | EMISSION LIMITS<br>CONTROL EQUIPMENT OR PROCESS MODIFICATION | ... & BASIS<br>... PCT EFF |
|-------------------------------------|------------------------|----------------------|--------------------------------------------------------------|----------------------------|
| INPLANT ROADS                       |                        | PM                   | PAVING AND SWEEPING                                          |                            |
| QUARRY HAUL ROADS                   |                        | PM                   | 10.0000 % OPACITY<br>APPLY EMULSIFIED ASPHALT                |                            |
| RAW MATL. & COAL STOCKPILES         |                        | PM                   | WETDUST SUPPRESSANT                                          |                            |
| RAW MATL. HANDLING & CONVEYING      |                        | PM                   | 10.0000 % OPACITY<br>COVERING OR ENCLOSING                   |                            |

NOTES -----

S02 LIMIT FOR FIRING SECONDARY COAL TO BE REVISED AFTER REVIEWING CONTINUOUS MONITORING DATA AND AFTER DAILY RAW MATERIAL ANAL  
YSES.

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- PORTLAND CEMENT MANUFACTURING

2900.00 T/D

COMPANY NAME/SITE LOCATION DAL-TEX CEMENT

MIDLOTHIAN, TX

ELLIS COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.

DATE OF PERMIT ISSUANCE-- 09/03/82

ESTIMATED DATE OF START-UP-- 1983

PERMIT NO. C-8996

GARY MCARTHUR

(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

CEMENT KILN

2900.00 T/D

PM 0.3000 LB/T FEED  
BAGHOUSE

NSPS  
99.00

COAL HANDLING

21.00 T/H

FUG\* SEE VE LIMIT  
VE 20.0000 % OPACITY

BAGHOUSE-UNLOAD,GRINDING,FEED BIN

NSPS  
99.00

FINISH MILLS

2900.00 T/D

PM 78.0000 T/YR  
BAGHOUSE

99.00

NOTES -----

NO EMISSION POINT FOR CLINKER COOLER. PART OF EXHAUST IS RECIRCULATED TO THE CLINKER COOLER THROUGH A HEAT EXCHANGER AND THE R  
EMAINDER IS USED AS COMBUSTION AIR FOR THE KILN /PREHEATER/PRECALCINER.

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

PAGE 6- 805

ID NUMBER TX-0100

SOURCE TYPE CODE 9.4

# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- PORTLAND CEMENT MANUFACTURING

COMPANY NAME/SITE LOCATION DIXIE CEMENT CO.

RICHARD CITY, TN

MARION COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.

PERMIT NO.

DETERMINATION MADE BY TENNESSEE APCD  
(AGENCY)

ANN NIELSON  
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 09/10/81  
ESTIMATED DATE OF START-UP--  
(615)-741-3651  
(PHONE)

PROCESSES SUBJECT  
TO THIS PERMIT

POLLUTANT  
EMITTED

EMISSION LIMITS  
CONTROL EQUIPMENT OR PROCESS MODIFICATION

... & BASIS  
... PCT EFF

KILN

330000.00 LB/H

PM

0.3000 LB/T KILN FEED  
33.0900 LB/H

FABRIC FILTER

99.90

SO2

4.1600 LB/H

LIMESTONE INJECTION

85.00

BACT

110.0000 LB/H

DRY PROCESS/COAL FIRED

CLINKER COOLER

198413.00 LB/H

PM

15.8700 LB/H  
FABRIC FILTER

BACT

99.90

NOTES -----

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

PAGE 6- 805

ID NUMBER TN-0006

SOURCE TYPE CODE 9.4

# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- PORTLAND CEMENT MANUFACTURING 108.00 T/H

COMPANY NAME/SITE LOCATION FLORIDA MINING & MATERIALS CORP. BROOKSVILLE, FL 33512 HERNANDO COUNTY  
P.O. BOX 6

DETERMINATION IS BACT FOR A MODIFIED SOURCE. DATE OF PERMIT ISSUANCE-- 03/25/81  
PERMIT NO. FL-063 ESTIMATED DATE OF START-UP-- 1983  
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 |
|----------------------------------|---------------------|-------------------|-----------------------------------------------------------|-------------------------|
| ROTARY KILN                      | 108.00 T/H          | PM                | 0.2000 LB/T FEED BAGHOUSE                                 | BACT 99.90              |
| CLINKER COOLER                   |                     | PM                | 0.0660 LB/T KILN FEED BAGHOUSE                            | BACT 99.90              |

NOTES -----

# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- PORTLAND CEMENT MANUFACTURING 100000.00 T/YR

COMPANY NAME/SITE LOCATION IDEAL BASIC CEMENT SALINA, UT

DETERMINATION IS BACT FOR A NEW SOURCE. DATE OF PERMIT ISSUANCE-- 05/28/82  
 PERMIT NO. MIN 042582--INT ESTIMATED DATE OF START-UP-- 1983  
 DETERMINATION MADE BY UTAH DOH CARL BROADHEAD (801)-533-6108  
 (AGENCY) (AGENCY CONTACT PERSON) (PHONE)

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

CEMENT BINS 100000.00 T/YR PM 0.0150 GR/DSCF 99.00  
 BAGHOUSE

NOTES -----

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

# APPENDIX -- DETAILED SOURCE LISTING

04/29/1993

SOURCE TYPE/SIZE--- PORTLAND CEMENT MANUFACTURING 1.60 MMT/YR

COMPANY NAME/SITE LOCATION KAISER CEMENT & GYPSUM CORP. PERMANENTE, CA

DETERMINATION IS BACT FOR A MODIFIED SOURCE. DATE OF PERMIT ISSUANCE-- 12/26/78  
 PERMIT NO. SFB-78-03 ESTIMATED DATE OF START-UP--  
 DETERMINATION MADE BY EPA REGION IX DON HARVEY (415)-974-8223  
 (AGENCY) (AGENCY CONTACT PERSON) (PHONE)

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

|                      |             |                                                                                               |                                      |            |
|----------------------|-------------|-----------------------------------------------------------------------------------------------|--------------------------------------|------------|
| KILN-MILL, #1 & 2    | 5000.00 T/D | PM                                                                                            | 18.0000 LB/H<br>0.0200 GR/DSCF       | 99.00 BACT |
|                      |             | S02                                                                                           | 481.0000 LB/H<br>185.0000 PPM        |            |
|                      |             | NOX                                                                                           | 1158.0000 LB/H                       |            |
|                      |             | ALKALI ABSORPTION, PREHEATER, AND BAGHOUSE<br>1.0% S COAL (ANNUAL AVERAGE) 2.0% S (TRAINLOAD) |                                      |            |
| CLINKER COOLER       |             |                                                                                               | REDUCED FUEL USAGE & LOW TEMPERATURE | BACT       |
|                      |             | PM                                                                                            | 5.3000 LB/H<br>0.0100 GR/DSCF        |            |
| PRECALCINER COAL SYS |             | PM                                                                                            | 3.5000 LB/H<br>0.0200 GR/DSCF        |            |
|                      |             |                                                                                               | BAGHOUSE                             |            |
| KILN COAL SYS        |             | PM                                                                                            | 3.5000 LB/H<br>0.0200 GR/DSCF        |            |
|                      |             |                                                                                               | BAGHOUSE                             |            |

NOTES -----

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

MODIFY EXISTING WET PROCESS FACILITY TO DRY USING SUSPENSION PREHEATERS & PRECALCINERS. SO2 AND NOX LIMITS SUBJECT TO REVISION  
UPON COMPLETION OF EMISSION TESTING -- LACK OF EMISSIONS DATA FROM PROCESS.  
FUGITIVE DUST SOURCES TO BE CONTROLLED BY APPROPRIATE MEANS (COVERING, SUPPRESSION AND STABILIZATION SYSTEMS) SUCH THAT THERE A  
RE NO VISIBLE EMISSIONS.

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.



# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- PORTLAND CEMENT MANUFACTURING 6000.00 T/D

COMPANY NAME/SITE LOCATION LAS VEGAS PORTLAND CEMENT JEAN, NV

DETERMINATION IS BACT FOR A NEW SOURCE. DATE OF PERMIT ISSUANCE-- 02/01/82  
 PERMIT NO. NSR-4-7-1 NV-81-01 ESTIMATED DATE OF START-UP--  
 DETERMINATION MADE BY EPA REGION IX BOB BAKER (415)-974-8215  
 (AGENCY) (AGENCY CONTACT PERSON) (PHONE)

| PROCESSES SUBJECT TO THIS PERMIT | THROUGHPUT CAPACITY | POLLUTANT EMITTED | EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION                | ... & BASIS ... PCT EFF |
|----------------------------------|---------------------|-------------------|--------------------------------------------------------------------------|-------------------------|
| KILN, 2                          | 125.00 T/H, EA      | SO2               | 260.0000 LB/H 2 H AV<br>72.0000 PPM, 2 H AVG<br>COAL LIMITED TO 0.9% S   | BACT                    |
|                                  |                     | SO2               | 150.0000 LB/H 30 D AV<br>44.0000 PPM, 30 D AVG<br>COAL LIMITED TO 0.9% S | 80.00 BACT              |
|                                  |                     | NOX               | 281.0000 LB/H<br>115.0000 PPM                                            | 80.00 BACT              |
|                                  |                     | CO                | 30.0000 LB/H                                                             | BACT                    |
|                                  |                     | PM                | 98.0000 LB/H<br>0.0125 GR/DSCF                                           | BACT                    |
|                                  |                     | VE                | ESP<br>10.0000 % OPACITY                                                 | 99.90 BACT              |
|                                  |                     | BE                | ESP<br>0.0290 LB/D                                                       | 99.90 BACT              |
| CLINKER COOLER, 2                | 125.00 T/H, EA      | PM                | 40.0000 LB/H<br>0.0085 GR/DSCF                                           | BACT                    |
|                                  |                     | VE                | BAGHOUSE & MULTICYCLONE<br>10.0000 % OPACITY<br>BAGHOUSE & MULTICYCLONE  | 99.90 BACT<br>99.90     |

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

NOTES -----

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

PAGE 6- 812

ID NUMBER NV-0007

SOURCE TYPE CODE 9.4

# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- PORTLAND CEMENT MANUFACTURING 2000.00 T/D

COMPANY NAME/SITE LOCATION LONESTAR FLORIDA PENNSUCO, INC.  
11000 N.W. 121 ST. HIALEAH, FL 33012 DADE COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.  
PERMIT NO. (REGION FILE NO.) PSD-FL-028  
DETERMINATION MADE BY FLORIDA DER (AGENCY)  
ED PALAGYI (AGENCY CONTACT PERSON)  
DATE OF PERMIT ISSUANCE-- 03/19/80  
ESTIMATED DATE OF START-UP-- 1981  
(904)-488-1344 (PHONE)

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

|                |            |    |                           |               |
|----------------|------------|----|---------------------------|---------------|
| CEMENT KILN    | 1.48 T/H   | PM | 28.7000 LB/H<br>ESP       | NSPS<br>99.00 |
| CLINKER COOLER | 148.00 T/H | PM | 14.3000 LB/H<br>BAGHOUSES | NSPS<br>99.90 |

NOTES -----

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- PORTLAND CEMENT MANUFACTURING 137.00 T/H  
 COMPANY NAME/SITE LOCATION LONESTAR FLORIDA PENNSUCO, INC. HIALEAH, FL 33012  
 P.O. BOX 122035 DADE COUNTY

DETERMINATION IS FOR A MODIFIED SOURCE. DATE OF PERMIT ISSUANCE-- 07/08/81  
 PERMIT NO. PSC-FL-050 ESTIMATED DATE OF START-UP-- 1982  
 DETERMINATION MADE BY FLORIDA DER ED PALAGYI (904)-488-1344  
 (AGENCY) (AGENCY CONTACT PERSON) (PHONE)

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

CEMENT KILN 137.50 T/H PH 0.0100 GR/ACF NSPS  
 ESP 99.90

NOTES -----  
 FUEL CONVERSION GAS TO COAL

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- PORTLAND CEMENT MANUFACTURING 1.00 MMT/YR

COMPANY NAME/SITE LOCATION LONESTAR INDUSTRIES INC. GEORGETOWN, TX WILLIAMSON COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.  
 PERMIT NO. PSD-TX-174  
 DETERMINATION MADE BY EPA REGION VI  
 (AGENCY) BILL TAYLOR  
 (AGENCY CONTACT PERSON) DATE OF PERMIT ISSUANCE-- 02/19/80  
 ESTIMATED DATE OF START-UP-- 1981  
 (214)-767-1594  
 (PHONE)

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

|                             |             |     |                                          |       |
|-----------------------------|-------------|-----|------------------------------------------|-------|
| KILN MILL AND ALKALI BYPASS | 1.00 MMT/YR | PM  | 30.6000 LB/H BAGHOUSE                    | 99.90 |
|                             |             | SO2 | 960.0000 LB/H                            |       |
|                             |             | NOX | 360.0000 LB/H PRECALCINER PROCESS DESIGN | 80.00 |
|                             |             |     | PRECALCINER PROCESS DESIGN.              |       |
| TRUCK AND RAIL UNLOAD       |             | PM  | 0.5000 LB/H BAGHOUSE                     | 99.90 |
| COAL RECLAIM TRANSFER       |             | PM  | 0.3000 LB/H BAGHOUSE                     | 99.90 |
| LIMESTONE STORAGE           |             | PM  | 2.6000 LB/H BAGHOUSE                     | 99.00 |
| LIMESTONE RECEIVING         |             | PM  | 0.2000 LB/H BAGHOUSE                     | 99.90 |

(CONTINUED) LONESTAR INDUSTRIES INC.

| PROCESSES SUBJECT<br>TO THIS PERMIT | THROUGHPUT<br>CAPACITY | POLLUTANT<br>EMITTED | EMISSION LIMITS<br>CONTROL EQUIPMENT OR PROCESS MODIFICATION | ... & BASIS<br>... PCT EFF |
|-------------------------------------|------------------------|----------------------|--------------------------------------------------------------|----------------------------|
| LIMESTONE RECLAIM TRANSFER          |                        | PM                   | 0.3000 LB/H<br>BAGHOUSE                                      | 99.90                      |
| ROLLER MILL SURGE BIN               |                        | PM                   | 0.3000 LB/H<br>BAGHOUSE                                      | 99.90                      |
| RAW STORAGE FEED BELT               |                        | PM                   | 0.6000 LB/H<br>BAGHOUSE                                      | 99.90                      |
| ADDITIVE RECLAIM TRANSFER           |                        | PM                   | 0.3000 LB/H<br>BAGHOUSE                                      | 99.90                      |
| ADDITIVE BIN                        |                        | PM                   | 0.5000 LB/H<br>BAGHOUSE                                      | 99.90                      |
| LIMESTONE BIN                       |                        | PM                   | 0.5000 LB/H<br>BAGHOUSE                                      | 99.80                      |
| FEED ELEVATOR LOAD                  |                        | PM                   | 0.3000 LB/H<br>BAGHOUSE                                      | 99.90                      |
| FEED ELEVATOR DISCHARGE             |                        | PM                   | 0.3000 LB/H<br>BAGHOUSE                                      | 99.90                      |
| HOMOGENIZING SILO                   |                        | PM                   | 1.3000 LB/H<br>BAGHOUSE                                      | 99.90                      |
| HOMOGENIZING SILO DISCHARGE ELE*    |                        | PM                   | 0.2000 LB/H<br>BAGHOUSE                                      | 99.90                      |

(CONTINUED) LONESTAR INDUSTRIES INC.

| PROCESSES SUBJECT<br>TO THIS PERMIT | THROUGHPUT<br>CAPACITY | POLLUTANT<br>EMITTED | EMISSION LIMITS<br>CONTROL EQUIPMENT OR PROCESS MODIFICATION | ... & BASIS<br>... PCT EFF |
|-------------------------------------|------------------------|----------------------|--------------------------------------------------------------|----------------------------|
| ADDITIVE RECLAIM TRANSFER           |                        | PM                   | 0.5000 LB/H<br>BAGHOUSE                                      | 99.90                      |
| COAL MILL FEEDER - CALCINER         |                        | PM                   | 0.3000 LB/H<br>BAGHOUSE                                      | 99.90                      |
| COAL MILL FEEDER - KILN             |                        | PM                   | 0.3000 LB/H<br>BAGHOUSE                                      | 99.60                      |
| WASTE DUCT BIN                      |                        | PM                   | 0.1000 LB/H<br>BAGHOUSE                                      | 99.80                      |
| CLINKER COOLER DISCHARGE            |                        | PM                   | 0.3000 LB/H<br>BAGHOUSE                                      | 99.90                      |
| CLINKER COOLER                      |                        | PM                   | 22.0000 LB/H<br>BAGHOUSE                                     | 99.90                      |
| CLINKER SCREENING                   |                        | PM                   | 0.8000 LB/H<br>BAGHOUSE                                      | 99.90                      |
| CLINKER BINS                        |                        | PM                   | 0.1000 LB/H<br>BAGHOUSE                                      | 99.90                      |
| FINISH MILL 1 & 2                   |                        | PM                   | 2.6000 LB/H EA<br>BAGHOUSE                                   | 99.90                      |
| AIR SEPERATORS, 2                   |                        | PM                   | 3.9000 LB/H EA<br>BAGHOUSE                                   | 99.90                      |

(CONTINUED) LONESTAR INDUSTRIES INC.

| PROCESSES SUBJECT<br>TO THIS PERMIT | THROUGHPUT<br>CAPACITY | POLLUTANT<br>EMITTED | EMISSION LIMITS<br>CONTROL EQUIPMENT OR PROCESS MODIFICATION | ... & BASIS<br>... PCT EFF |
|-------------------------------------|------------------------|----------------------|--------------------------------------------------------------|----------------------------|
| FRINGE BIN                          |                        | PM                   | 0.3000 LB/H<br>BAGHOUSE                                      | 99.90                      |
| CLINKER RECLAIM                     |                        | PM                   | 0.9000 LB/H<br>BAGHOUSE                                      | 99.90                      |
| RAIL LOAD                           |                        | PM                   | 0.7000 LB/H<br>BAGHOUSE                                      | 99.90                      |
| CEMENT STORAGE SILO, 2              |                        | PM                   | 0.9000 LB/H EA<br>BAGHOUSE                                   | 99.30                      |

NOTES -----

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.



# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- PORTLAND CEMENT MANUFACTURING 750000.00 T/YR

COMPANY NAME/SITE LOCATION LONESTAR INDUSTRIES INC.

CONCRETE, WA

DETERMINATION IS BACT FOR A NEW SOURCE.  
PERMIT NO. (REGION FILE NO.) PSD-X82-03  
DETERMINATION MADE BY EPA REGION X  
(AGENCY)

DATE OF PERMIT ISSUANCE-- 01/25/82  
ESTIMATED DATE OF START-UP-- 1983  
(206)-442-1106  
(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 |
|----------------------------------|---------------------|-------------------|-----------------------------------------------------------|-------------------------|
|----------------------------------|---------------------|-------------------|-----------------------------------------------------------|-------------------------|

CEMENT KILN AND MILL 2.91 MMBTU/T CLI\*

|     |                                 |                             |       |
|-----|---------------------------------|-----------------------------|-------|
| PM  | 0.0100 GR/ACF<br>20.8000 LB/H   | BAGHOUSE, FIBERGLASS BAGS   | 99.90 |
| SO2 | 275.0000 LB/H<br>1205.0000 T/YR | MINIMIZED BY PROCESS DESIGN |       |
| NOX | 300.0000 LB/H<br>1314.0000 T/YR | MINIMIZED BY PROCESS DESIGN |       |

CLINKER COOLER

|    |                               |                      |
|----|-------------------------------|----------------------|
| PM | 0.0100 GR/ACF<br>16.1000 LB/H | BAGHOUSE, NOMEX BAGS |
|----|-------------------------------|----------------------|

MATERIALS HANDLING EQUIP., 37 U\*

|    |                                   |          |
|----|-----------------------------------|----------|
| PM | 0.0100 GR/ACF<br>5.0000 % OPACITY | BAGHOUSE |
|----|-----------------------------------|----------|

QUARRY, STACKER-RECLAIMER, COAL\*

|    |                                      |
|----|--------------------------------------|
| PM | 10.0000 % OPACITY<br>NET SUPPRESSION |
|----|--------------------------------------|

NOTES -----

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

BACT FOR PARTICULATE WAS BASED ON EXPECTED PERFORMANCE OF BAGHOUSES. IF THE KILN EMISSION LIMITATION IS EXPRESSED IN THE UNITS OF THE NSPS IT IS CONSIDERABLY SMALLER DUE TO PROCESS DESIGN AND BAGHOUSE PERFORMANCE. THE PRECALCINER DESIGN IS EXPECTED TO RESULT IN LOWER SO2 AND NOX EMISSIONS THAN THE CONVENTIONAL WET OR DRY PROCESS CEMENT PLANT.

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- PORTLAND CEMENT MANUFACTURING 1.70 MT/D

COMPANY NAME/SITE LOCATION LONESTAR PORTLAND CEMENT  
NEAR GRANTSVILLE , UT TOOLE COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE. DATE OF PERMIT ISSUANCE-- 01/16/81  
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 |
|----------------------------------|---------------------|-------------------|-----------------------------------------------------------|-------------------------|
|----------------------------------|---------------------|-------------------|-----------------------------------------------------------|-------------------------|

|                 |  |    |                   |               |
|-----------------|--|----|-------------------|---------------|
| ADD. RECLAIM    |  | PM | 0.5100 LB/H<br>FF | BACT<br>99.90 |
| AIR SEPARATOR   |  | PM | 3.8600 LB/H<br>FF | BACT<br>99.90 |
| ALKALI BYPASS   |  | PM | 3.0000 LB/H<br>FF | BACT<br>99.90 |
|                 |  | VE | 20.0000 % OPACITY |               |
| CEM SILO BUCKET |  | PM | 0.6900 LB/H<br>FF | BACT<br>99.90 |
| CEM SILO LDOUT  |  | PM | 2.1400 LB/H<br>FF | BACT<br>99.90 |
| CLK COOL ELEV   |  | PM | 0.3300 LB/H<br>FF | BACT<br>99.90 |

(CONTINUED) LONESTAR PORTLAND CEMENT

| PROCESSES SUBJECT<br>TO THIS PERMIT | THROUGHPUT<br>CAPACITY | POLLUTANT<br>EMITTED | EMISSION LIMITS<br>CONTROL EQUIPMENT OR PROCESS MODIFICATION | ... & BASIS<br>... PCT EFF |
|-------------------------------------|------------------------|----------------------|--------------------------------------------------------------|----------------------------|
| CLK COOLER                          |                        | PM                   | 11.1000 LB/H<br>FF                                           | BACT<br>99.90              |
|                                     |                        | VE                   | 20.0000 % OPACITY                                            |                            |
| CLK RECL                            |                        | PM                   | 0.5800 LB/H<br>FF                                            | BACT<br>99.90              |
| COAL CRUSHER                        | 61.90 MT/YR            | PM                   | 0.5900 LB/H<br>FF                                            | BACT<br>99.90              |
|                                     |                        | VE                   | 10.0000 % OPACITY                                            |                            |
| COAL MILL                           | 61.90 MT/YR            | PM                   | 1.7100 LB/H<br>FF                                            | BACT<br>99.90              |
|                                     |                        | VE                   | 10.0000 % OPACITY                                            |                            |
| COAL MILL SURGE                     |                        | PM                   | 0.3400 LB/H<br>FF                                            | BACT<br>99.90              |
| FINISH MILL                         |                        | PM                   | 2.5700 LB/H<br>FF                                            | BACT<br>99.90              |
| FRINGE BIN                          |                        | PM                   | 0.2600 LB/H<br>FF                                            | BACT<br>99.90              |
| GYP BIN LDOUT                       |                        | PM                   | 0.4300 LB/H<br>FF                                            | BACT<br>99.90              |
| HY-LIME LDOUT                       |                        | PM                   | 0.2100 LB/H<br>FF                                            | BACT<br>99.90              |

(CONTINUED) LONESTAR PORTLAND CEMENT

| PROCESSES SUBJECT<br>TO THIS PERMIT | THROUGHPUT<br>CAPACITY | POLLUTANT<br>EMITTED | EMISSION LIMITS<br>CONTROL EQUIPMENT OR PROCESS MODIFICATION | ... & BASIS<br>... PCT EFF |
|-------------------------------------|------------------------|----------------------|--------------------------------------------------------------|----------------------------|
| KILN GASES                          | 1.70 MT/D              | NOX                  | 1.6000 LB/T FEED<br>236.6000 LB/H<br>KILN                    | BACT                       |
|                                     |                        | SO2                  | 0.6000 LB/T FEED<br>64.5000 LB/H<br>KILN                     | BACT                       |
| LIMESTONE RECL                      |                        |                      |                                                              | 85.00                      |
| RAW MILL                            |                        | PM                   | 0.5100 LB/H<br>FF                                            | BACT<br>99.90              |
|                                     |                        | PM                   | 12.0000 LB/H<br>FF                                           | BACT<br>99.90              |
|                                     |                        | VE                   | 20.0000 % OPACITY                                            |                            |
| PREHEAT BUCKET                      |                        | PM                   | 0.1700 LB/H<br>FF                                            | BACT<br>99.90              |
| PRIME CRUSHER                       |                        | PM                   | 2.1500 LB/H<br>FF                                            | BACT<br>99.90              |
| RAW MATL BIN                        |                        | PM                   | 0.2600 LB/H<br>FF                                            | BACT<br>99.90              |
| RAW MATL BIN                        |                        | PM                   | 0.1700 LB/H<br>FF                                            | BACT<br>99.90              |
| RAW MATL RECL.                      |                        | PM                   | 0.5100 LB/H<br>FF                                            | BACT<br>99.90              |

(CONTINUED) LONESTAR PORTLAND CEMENT

| PROCESSES SUBJECT<br>TO THIS PERMIT | THROUGHPUT<br>CAPACITY | POLLUTANT<br>EMITTED | EMISSION LIMITS<br>CONTROL EQUIPMENT OR PROCESS MODIFICATION | ... & BASIS<br>... PCT EFF |
|-------------------------------------|------------------------|----------------------|--------------------------------------------------------------|----------------------------|
| RAMHL SURGE BIN                     |                        | PM                   | 0.5100 LB/H<br>FF                                            | BACT<br>99.90              |
| SECOND CRUSHER                      |                        | PM                   | 1.0300 LB/H<br>FF                                            | BACT<br>99.90              |
| SIL0 2 EA                           |                        | PM                   | 0.5100 LB/H EA<br>FF                                         | BACT<br>99.90              |
| SIL0 ELEVATOR                       |                        | PM                   | 0.2100 LB/H<br>FF                                            | BACT<br>99.90              |
| SIL0 RELCAIM                        |                        | PM                   | 0.2100 LB/H<br>FF                                            | BACT<br>99.90              |
| SIL0 TYPE II                        |                        | PM                   | 0.8600 LB/H<br>FF                                            | BACT<br>99.90              |
| SIL0 TYPE V                         |                        | PM                   | 0.3500 LB/H<br>FF                                            | BACT<br>99.90              |
| SIL0-CLK-1                          |                        | PM                   | 0.2600 LB/H<br>FF                                            | BACT<br>99.90              |
| SIL0-CLK-2                          |                        | PM                   | 0.2600 LB/H<br>FF                                            | BACT<br>99.90              |
| TRANS CONVEY.                       |                        | PM                   | 1.0300 LB/H<br>FF                                            | BACT<br>99.90              |

(CONTINUED) LONESTAR PORTLAND CEMENT

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

TRANS TOWER

|    |                   |               |
|----|-------------------|---------------|
| PM | 0.5100 LB/H<br>FF | BACT<br>99.90 |
|----|-------------------|---------------|

WASTE BIN

|    |                   |               |
|----|-------------------|---------------|
| PM | 0.2600 LB/H<br>FF | BACT<br>99.90 |
|----|-------------------|---------------|

NOTES -----  
KILN OPERATION IS NOT TO EXCEED 300 D/YR. KILN EXHAUST GASES ARE EMITTED FROM BOTH THE MILL AND THE BYPASS STACKS.

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- PORTLAND CEMENT MANUFACTURING 5.00 MT/YR

COMPANY NAME/SITE LOCATION MONOLITH PORTLAND CEMENT CO.

MONOLITH, CA

DETERMINATION IS BACT FOR A MODIFIED SOURCE.  
PERMIT NO. (REGION FILE NO.) SE 78-11  
DETERMINATION MADE BY EPA REGION IX  
(AGENCY)

DATE OF PERMIT ISSUANCE-- 12/23/81  
ESTIMATED DATE OF START-UP--  
(415)-974-8223  
(PHONE)  
DON HARVEY  
(AGENCY CONTACT PERSON)

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

ROTARY KILN 500000.00 T/YR

|     |                |                         |       |
|-----|----------------|-------------------------|-------|
| NOX | 260.0000 LB/H  | COAL FIRED, WET PROCESS | BACT  |
| SO2 | 300.0000 LB/H  | BAGHOUSE                | BACT  |
|     |                | ALKINE CEMENT DUST      | 90.00 |
| PM  | 21.4000 LB/H   | BAGHOUSE                | NSPS  |
|     | 0.0250 GR/DSCF | BAGHOUSE                | 99.80 |
| BE  | 21.4000 LB/H   | BAGHOUSE                | NSPS  |
|     | 0.0200 GR/DSCF | BAGHOUSE                | 99.80 |

KILN DUST RECYCLE

PM NONE

CLINKER COOLER 500000.00 T/YR

|    |                       |      |
|----|-----------------------|------|
| PM | 12.9000 LB/H          | NSPS |
|    | 0.0120 GR/DSCF        |      |
|    | BAGHOUSE              |      |
|    | REINJECTION INTO KILN |      |

NOTES -----

CONSTRUCTION OF A ROT. CEMENT KILN, CLINKER COOLER, AND COAL MILL. ONLY LO W SULFUR FUEL (1.5% BY WT.) MAY BE USED IN KILN. QT

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.



RLY BERYLLIUM MONITORING IS REQUIRED. BACT DETERMINATION: 1) TECHNOLOGY & ECONOMICS, 2) TECHNOLOGY, 3) TECH. AND NSPS.

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

PAGE 6- 827

ID NUMBER CA-0028

SOURCE TYPE CODE 9.4

# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- PORTLAND CEMENT MANUFACTURING 775.00 T/D  
 COMPANY NAME/SITE LOCATION SOUTHWESTERN PORTLAND CEMENT CO. AMARILLO, TX POTTER COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.  
 PERMIT NO. (REGION FILE NO.) PSD-TX-351  
 DETERMINATION MADE BY EPA REGION VI  
 (AGENCY) BILL TAYLOR  
 (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

ROTARY KILN, COAL FIRED 213.00 MMBTU/H S02 2.4100 LB/MMBTU BACT 20.00  
 ALKAI IN RAW MAT. REACT W/SUL.

NOTES -----

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- PORTLAND CEMENT MANUFACTURING 4000.00 T/D

COMPANY NAME/SITE LOCATION SOUTHWESTERN PORTLAND CEMENT CO. LEA ODESSA, TX ECTOR COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE. DATE OF PERMIT ISSUANCE-- 11/05/81  
 PERMIT NO. (REGION FILE NO.) PSD-TX-35CM-1 ESTIMATED DATE OF START-UP--  
 DETERMINATION MADE BY JOHN BENHAM (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 |
|----------------------------------|---------------------|-------------------|-----------------------------------------------------------|-------------------------|
|----------------------------------|---------------------|-------------------|-----------------------------------------------------------|-------------------------|

|                    |                |     |                                |       |
|--------------------|----------------|-----|--------------------------------|-------|
| KILN 1, COAL FIRED | 187.50 MMSTU/H | S02 | 1.1180 LB/MMSTU                | BACT  |
|                    |                | PM  | NONE                           |       |
|                    |                | NOX | UNKNOWN                        |       |
| KILN 2, COAL FIRED | 165.00 MMSTU/H | S02 | 0.5240 LB/MMSTU                | BACT  |
|                    |                | PM  | MODERAT. S COAL/PARTIAL SCRUB. |       |
|                    |                | NOX | UNKNOWN                        |       |
| KILN 3, COAL FIRED | 275.00 MMSTU/H | PM  | 0.3000 LB/T D FEED             | NSPS  |
|                    |                |     | 2 BAGHOUSES                    | 99.00 |
|                    |                | S02 | 0.4680 LB/MMSTU                | BACT  |
|                    |                | NOX | LOW S COAL/PARTIAL SCRUBING    | BACT  |
|                    |                |     | 0.3200 LB/MMSTU                |       |
|                    |                |     | KILN DESIGN                    |       |
| BLEND SILO         |                | PM  | 1.2300 LB/H                    | BACT  |
|                    |                |     | BAGHOUSE                       | 99.00 |

(CONTINUED) SOUTHWESTERN PORTLAND CEMENT CO.

| PROCESSES SUBJECT<br>TO THIS PERMIT | THROUGHPUT<br>CAPACITY | POLLUTANT<br>EMITTED | EMISSION LIMITS<br>CONTROL EQUIPMENT OR PROCESS MODIFICATION | ... & BASIS<br>... PCT EFF |
|-------------------------------------|------------------------|----------------------|--------------------------------------------------------------|----------------------------|
| COAL MILL                           |                        | PM                   | 4.2500 LB/H<br>BAGHOUSE                                      | BACT<br>99.00              |
| COAL TRANSFER                       |                        | PM                   | 0.2600 LB/H<br>ENCLOSED BAGHOUSE<br>WET SPRAY                | BACT<br>99.00              |
| COAL BIN                            |                        | PM                   | 0.2100 LB/H<br>BAGHOUSE                                      | BACT<br>99.00              |
| COAL CRUSHER                        |                        | PM                   | 0.2100 LB/H<br>BAGHOUSE                                      | BACT<br>99.00              |
| 4 CLINKER TRANSFERS                 |                        | PM                   | 0.2100 LB/H EA<br>BAGHOUSE                                   | BACT<br>99.00              |
| DUST BIN                            |                        | PM                   | 0.2100 LB/H<br>BAGHOUSE                                      | BACT<br>99.00              |
| CLINKER COOLER                      |                        | PM                   | 0.1000 LB/T D FEED<br>GRAVEL BED FILLER                      | NSPS<br>99.00              |
| COAL UNLOAD                         |                        | PM                   | 0.2920 LB/H<br>ENCLOSED, H2O SPRAY                           | BACT<br>50.00              |
| TRAVELING STACKER                   |                        | PM                   | 0.0100 LB/H<br>WET SUPPRESSION                               | BACT<br>80.00              |

(CONTINUED) SOUTHWESTERN PORTLAND CEMENT CO.

| PROCESSES SUBJECT<br>TO THIS PERMIT | THROUGHPUT<br>CAPACITY | POLLUTANT<br>EMITTED | EMISSION LIMITS<br>CONTROL EQUIPMENT OR PROCESS MODIFICATION | ... & BASIS<br>... PCT EFF |
|-------------------------------------|------------------------|----------------------|--------------------------------------------------------------|----------------------------|
| STORAGE PILE                        |                        | PM                   | 0.5300 LB/H<br>WET SUPPRES., COMPACT.                        | BACT<br>90.00              |
| TRAFFIC AROUND PILE                 |                        | PM                   | 0.0500 LB/H<br>WET SUPPRES., COMPACT.                        | BACT<br>90.00              |
| ROAD OUT                            |                        | PM                   | 0.0080 LB/H<br>WET SUPPRES., COMPACT.                        | BACT<br>90.00              |
| TRUCK LOAD                          |                        | PM                   | 5.8400 LB/H                                                  | BACT                       |
| TRUCK DUMPING                       |                        | PM                   | 2.3500 LB/H                                                  | BACT                       |
| CONVEYOR TRANSFER                   |                        | PM                   | 3.5200 LB/H<br>BAGHOUSE                                      | BACT<br>99.00              |
| HOMOGENIZING SILO                   |                        | PM                   | 2.5400 LB/H<br>BAGHOUSE                                      | BACT<br>99.00              |
| HOMOGENIZING SILO                   |                        | PM                   | 0.1600 LB/H<br>BAGHOUSE                                      | BACT<br>99.00              |
| KILN LEVEL TANK                     |                        | PM                   | 0.7900 LB/H<br>BAGHOUSE                                      | BACT<br>99.00              |
| CLINKER COOLER                      |                        | PM                   | 0.4000 LB/H<br>BAGHOUSE                                      | BACT<br>99.00              |

(CONTINUED) SOUTHWESTERN PORTLAND CEMENT CO.

| PROCESSES SUBJECT<br>TO THIS PERMIT | THROUGHPUT<br>CAPACITY | POLLUTANT<br>EMITTED | EMISSION LIMITS<br>CONTROL EQUIPMENT OR PROCESS MODIFICATION | ... & BASIS<br>... PCT EFF |
|-------------------------------------|------------------------|----------------------|--------------------------------------------------------------|----------------------------|
| CLINKER TRANSFER                    |                        | PM                   | 0.4800 LB/H<br>BAGHOUSE                                      | BACT<br>99.00              |
| 2 CLINKER STORAGE BINS              |                        | PM                   | 0.3200 LB/H EA<br>BAGHOUSE                                   | BACT<br>99.00              |
| CLINKER STORAGE BIN                 |                        | PM                   | 0.1600 LB/H<br>BAGHOUSE                                      | BACT<br>99.00              |
| 3 CEMENT SILOS                      |                        | PM                   | 1.1100 LB/H EA<br>BAGHOUSE                                   | BACT<br>99.00              |
| 2 CEMENT SILOS                      |                        | PM                   | 0.3200 LB/H EA<br>BAGHOUSE                                   | BACT<br>99.00              |
| RAW MILL                            |                        | PM                   | 0.7100 LB/H<br>BAGHOUSE                                      | BACT<br>99.00              |
| RAW MILL                            |                        | PM                   | 1.1900 LB/H<br>BAGHOUSE                                      | BACT<br>99.00              |

NOTES -----

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- PORTLAND CEMENT MANUFACTURING 2750.00 T/D

COMPANY NAME/SITE LOCATION TEXAS CEMENT CO. BUDA, TX 78610  
P.O. BOX 610

DETERMINATION IS BACT FOR A MODIFIED SOURCE. DATE OF PERMIT ISSUANCE-- 05/16/80  
PERMIT NO. TX-194 ESTIMATED DATE OF START-UP--  
DETERMINATION MADE BY EPA REGION VI (214)-767-1594  
(AGENCY) JOHN BUNYAK (PHONE)  
(AGENCY CONTACT PERSON)

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

|                   |             |     |               |                     |            |
|-------------------|-------------|-----|---------------|---------------------|------------|
| KILN AND RAW MILL | 2750.00 T/D | PM  | 33.7000 LB/H  | BAGHOUSE            | BACT 99.90 |
|                   |             | NOX | 240.0000 LB/H | FLASH CALCINER, LEA | BACT       |
|                   |             | SO2 | 416.0000 LB/H | MATERIAL ALKALINITY | BACT 75.00 |
| MATERIAL CRUSHING |             | PM  | 5.9000 LB/H   | BAGHOUSE            | BACT 99.80 |
|                   |             | PM  | 3.1000 LB/H   | BAGHOUSE            | BACT 99.80 |
| BLENDING SILOS    |             | PM  | 6.6000 LB/H   | BAGHOUSE            | BACT 99.00 |
|                   |             | PM  | 2.1000 LB/H   | BAGHOUSE            | BACT 99.80 |

(CONTINUED) TEXAS CEMENT CO.

| PROCESSES SUBJECT<br>TO THIS PERMIT | THROUGHPUT<br>CAPACITY | POLLUTANT<br>EMITTED | EMISSION LIMITS<br>CONTROL EQUIPMENT OR PROCESS MODIFICATION | ... & BASIS<br>... FCT EFF |
|-------------------------------------|------------------------|----------------------|--------------------------------------------------------------|----------------------------|
| COAL & GYPSUM HANDLING              |                        | PM                   | 3.2000 LB/H<br>BAGHOUSE                                      | BACT<br>99.80              |
| CEMENT BAG PACKING                  |                        | PM                   | 1.8000 LB/H<br>BAGHOUSE                                      | BACT<br>99.80              |
| FINISH MILL                         |                        | PM                   | 6.0000 LB/H<br>BAGHOUSE                                      | BACT<br>99.80              |

NOTES -----  
EXPANDED CAPACITY FROM 1375 TONS/DAY TO 2750 TONS/DAY. QUARRY OPERATIONS LIMITED TO 10 HRS/DAY, 6 DAYS/WK AND DELIVERY OF NO MO  
RE THAN 10000 TONS OF QUARRIED MATERIAL PER DAY.



# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- CEMENT (OTHER THAN PORTLAND) MANUFACTURING 1800.00 T/D

COMPANY NAME/SITE LOCATION ASH GROVE CEMENT CO. LOUISVILLE, NE

DETERMINATION IS LAER PERMIT NO. DATE OF PERMIT ISSUANCE-- 10/22/80  
 DETERMINATION MADE BY NEBRASKA DEC ESTIMATED DATE OF START-UP-- 1982  
 (AGENCY) (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 |
|----------------------------------|---------------------|-------------------|-----------------------------------------------------------|-------------------------|
| KILN                             | 1800.00 T/D         | PM                | 0.0100 GR/ACFM ESP'S/RECIRCULATION                        | 99.70                   |
| CLINKER COOLER                   | 150000.00 LB/H      | PM                | 0.0090 GR/ACFM FABRIC FILTER                              | 99.70                   |
| KILN FEED SYS                    | 250000.00 LB/H      | PM                | FABRIC FILTER A/C RATIO NOT > 5.8:1                       | 99.70                   |
| COAL GRINDING SYS                | 22900.00 LB/H       | PM                | FABRIC FILTER A/C RATIO NOT > 4.14:1                      | 99.70                   |

NOTES -----

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- CEMENT (OTHER THAN PORTLAND) MANUFACTURING 100.00 T/H

COMPANY NAME/SITE LOCATION ATLANTIC CEMENT CO., INC. SPARROWS POINT, MD 21219 BALTIMORE COUNTY

DETERMINATION IS LAER FOR A NEW SOURCE. DATE OF PERMIT ISSUANCE-- 11/03/80  
 PERMIT NO. 03-6-0932 ESTIMATED DATE OF START-UP-- 1982  
 DETERMINATION MADE BY CARL YORK (301)-383-2776  
 (AGENCY) (AGENCY CONTACT PERSON) (PHONE)

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

|                          |             |    |                                          |            |
|--------------------------|-------------|----|------------------------------------------|------------|
| FLUIDIZED BED SLAG DRYER | 125.00 T/H  | PM | 0.0200 GR/DSCF CYCLONE/BAGHOUSE          | LAER 99.00 |
| CONVEYING & MILLING      | 110.00 T/H  | PM | 0.0200 GR/DSCF BAGHOUSES                 | LAER 99.00 |
| BARGE AND SHIP LOADING   | 1500.00 T/H | PM | 0.0200 GR/DSCF DUSTLESS CHUTES/BAGHOUSES | LAER 99.00 |
| ROADS                    |             | PM | PAVEMENT                                 | 90.00      |
| STOCKPILES               |             | PM | WET SUPPRESSION                          | 80.00      |

NOTES -----  
 CEMENT MANUFACTURED FROM GRANULATED SLAG

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- CEMENT (OTHER THAN PORTLAND) MANUFACTURING 375.00 T/H

COMPANY NAME/SITE LOCATION BANKS CONSTRUCTION CO.  
P.O. BOX 4426 SUTHERVILLE, SC

DETERMINATION IS BACT FOR A NEW SOURCE.  
PERMIT NO. PSD-SC-032  
DETERMINATION MADE BY SOUTH CAROLINA DHEC  
(AGENCY) DAVID FLEMING  
(AGENCY CONTACT PERSON) (803)-758-5406  
(PHONE)

PROCESSES SUBJECT TO THIS PERMIT

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

CEMENT KILN 375.00 T/H PM 17.5000 LB/H BAGHOUSE NSPS 99.50

NOTES -----

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

PAGE 6- 837

ID NUMBER SC-0009

SOURCE TYPE CODE 9.5

# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- CEMENT (OTHER THAN PORTLAND) MANUFACTURING 1.50 MT/D  
 COMPANY NAME/SITE LOCATION BEEHIVE CEMENT, SANTIAGUIN PLANT , UT UTAH COUNTY  
 NEAR GENOLA

DETERMINATION IS BACT FOR A NEW SOURCE. DATE OF PERMIT ISSUANCE-- 02/27/81  
 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 |
|----------------------------------|---------------------|-------------------|-----------------------------------------------------------|-------------------------|
|----------------------------------|---------------------|-------------------|-----------------------------------------------------------|-------------------------|

|               |                  |    |                   |               |
|---------------|------------------|----|-------------------|---------------|
| BIN FEED-CLK  |                  | PM | 0.5000 LB/H<br>FF | BACT<br>99.80 |
|               |                  | VE | 10.0000 % OPACITY |               |
| CEM MILL FD   | 90.00 T/H CEMENT | PM | 0.7000 LB/H<br>FF | BACT<br>99.80 |
|               |                  | VE | 10.0000 % OPACITY |               |
| CEM ML CIRC   |                  | PM | 2.0000 LB/H<br>FF | BACT<br>99.80 |
|               |                  | VE | 10.0000 % OPACITY |               |
| CEM PACK SYS  | 515.00 MT/YR     | PM | 0.7000 LB/H<br>FF | BACT<br>99.80 |
|               |                  | VE | 10.0000 % OPACITY |               |
| CEM SILO B&KF |                  | PM | 1.1000 LB/H<br>FF | BACT<br>99.80 |
|               |                  | VE | 10.0000 % OPACITY |               |

(CONTINUED) BEEHIVE CEMENT, SANTIAGUIN PLANT

| PROCESSES SUBJECT<br>TO THIS PERMIT | THROUGHPUT<br>CAPACITY | POLLUTANT<br>EMITTED | EMISSION LIMITS<br>CONTROL EQUIPMENT OR PROCESS MODIFICATION | ... & BASIS<br>... PCT EFF |
|-------------------------------------|------------------------|----------------------|--------------------------------------------------------------|----------------------------|
| CEM SILO COLL. 8 EA                 |                        | PM                   | 0.3000 LB/H EA<br>FF                                         | BACT<br>99.80              |
|                                     |                        | VE                   | 10.0000 % OPACITY                                            |                            |
| CEM SILO LDOUT 4 EA                 |                        | PM                   | 0.7000 LB/H EA<br>FF                                         | BACT<br>99.80              |
|                                     |                        | VE                   | 10.0000 % OPACITY                                            |                            |
| CEM SILO TOP                        |                        | PM                   | 1.5000 LB/H<br>FF                                            | BACT<br>99.80              |
|                                     |                        | VE                   | 10.0000 % OPACITY                                            |                            |
| CLK CONV SYS, 4                     |                        | PM                   | 0.5000 LB/H<br>FF                                            | BACT<br>99.80              |
|                                     |                        | PM                   | 0.3000 LB/H<br>FF                                            | BACT<br>99.80              |
|                                     |                        | PM                   | 0.3000 LB/H<br>FF                                            | BACT<br>99.80              |
|                                     |                        | PM                   | 1.8000 LB/H<br>FF                                            | BACT<br>99.80              |
|                                     |                        | VE                   | 10.0000 % OPACITY                                            |                            |
| CLK COOL VENT                       |                        | PM                   | 10.3500 LB/H<br>FF                                           | BACT<br>99.80              |
|                                     |                        | VE                   | 10.0000 % OPACITY                                            |                            |
| COAL REC' BIN                       | 71.30 MT/YR            | VE                   | 10.0000 % OPACITY<br>ENCLOSURE                               | BACT<br>40.00              |
| COAL RECL PILE                      | 71.30 M./YR            | VE                   | 10.0000 % OPACITY<br>ENCLOSURE                               | BACT<br>20.00              |

(CONTINUED) BEEHIVE CEMENT, SANTAGUIN PLANT

| PROCESSES SUBJECT<br>TO THIS PERMIT | THROUGHPUT<br>CAPACITY | POLLUTANT<br>EMITTED | EMISSION LIMITS<br>CONTROL EQUIPMENT OR PROCESS MODIFICATION | ... & BASIS<br>... PCT EFF |
|-------------------------------------|------------------------|----------------------|--------------------------------------------------------------|----------------------------|
| GYP BIN FEED                        |                        | PM                   | 0.5000 LB/H<br>FF                                            | BACT<br>99.80              |
| INACT.PILE ERO                      |                        | VE                   | 10.0000 % OPACITY                                            |                            |
|                                     |                        | VE                   | 10.0000 % OPACITY<br>SURFACTANT                              | BACT<br>90.00              |
| KILN                                | 1.50 MT/D              | NOX                  | NO CONTROL                                                   | BACT                       |
|                                     |                        | SO2                  | 0.4700 LB/T FEED<br>KILN                                     | BACT<br>73.00              |
| KILN/RAHML EXH                      | 1.50 MT/D              | PM                   | 14.3000 LB/H<br>FF                                           | BACT<br>99.80              |
|                                     |                        | VE                   | 20.0000 % OPACITY                                            |                            |
| LINESTN BINFD                       |                        | PM                   | 0.4000 LB/H<br>FF                                            | BACT<br>99.80              |
|                                     |                        | VE                   | 10.0000 % OPACITY                                            |                            |
| LINESTONE CONV                      |                        | PM                   | ENCLOSURE                                                    | BACT<br>90.00              |
| LIVE PILE EROS                      |                        | PM                   | SURFACTANT                                                   | BACT                       |
| RAW MATL BIN FD                     |                        | PM                   | 0.7000 LB/H<br>FF                                            | BACT<br>99.80              |
|                                     |                        | VE                   | 10.0000 % OPACITY                                            |                            |

(CONTINUED) BEEHIVE CEMENT, SANTAGUIN PLANT

| PROCESSES SUBJECT<br>TO THIS PERMIT | THROUGHPUT<br>CAPACITY | POLLUTANT<br>EMITTED | EMISSION LIMITS<br>CONTROL EQUIPMENT OR PROCESS MODIFICATION | ... & BASIS<br>... PCT EFF |
|-------------------------------------|------------------------|----------------------|--------------------------------------------------------------|----------------------------|
| RAW MATL TRANS.                     |                        | PM                   | 0.3000 LB/H<br>FF                                            | BACT<br>99.80              |
|                                     |                        | VE                   | 10.0000 % OPACITY                                            |                            |
| RAWML ADD CRUSH                     |                        | PM                   | 1.1000 LB/H<br>FF                                            | BACT<br>99.80              |
|                                     |                        | VE                   | 10.0000 % OPACITY                                            |                            |
| RAWML CIR EQ                        |                        | PM                   | 0.5000 LB/H<br>FF                                            | BACT<br>99.80              |
|                                     |                        | VE                   | 10.0000 % OPACITY                                            |                            |
| RAWML FD SYS                        |                        | PM                   | 1.1000 LB/H<br>FF                                            | BACT<br>99.80              |
|                                     |                        | VE                   | 10.0000 % OPACITY                                            |                            |

NOTES -----  
LIMITED TO 330 D/YR OPERATION.

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- CEMENT (OTHER THAN PORTLAND) MANUFACTURING 1.80 MT/D  
 COMPANY NAME/SITE LOCATION MARTIN MARIETTA-LEAMINGTON LEAMINGTON CANYON, UT JUAB COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE. DATE OF PERMIT ISSUANCE-- 06/06/81  
 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 |
|----------------------------------|---------------------|-------------------|-----------------------------------------------------------|-------------------------|
|----------------------------------|---------------------|-------------------|-----------------------------------------------------------|-------------------------|

|               |    |                   |  |               |
|---------------|----|-------------------|--|---------------|
| ALKALI BYPASS | PM | 8.2000 LB/H<br>FF |  | BACT<br>99.90 |
|               | VE | 20.0000 % OPACITY |  |               |

|               |    |                   |  |               |
|---------------|----|-------------------|--|---------------|
| ALKALI BYPASS | PM | 0.3000 LB/H<br>FF |  | BACT<br>99.80 |
|               | VE | 10.0000 % OPACITY |  |               |

|                   |    |                   |  |               |
|-------------------|----|-------------------|--|---------------|
| BLEND & KILN FEED | PM | 0.8000 LB/H<br>FF |  | BACT<br>99.80 |
|                   | VE | 10.0000 % OPACITY |  |               |

|                       |    |                   |  |               |
|-----------------------|----|-------------------|--|---------------|
| 2ND BLEND & KILN FEED | PM | 0.3000 LB/H<br>FF |  | BACT<br>99.80 |
|                       | VE | 10.0000 % OPACITY |  |               |

|           |    |                    |  |               |
|-----------|----|--------------------|--|---------------|
| BURN/COOL | PM | 10.2000 LB/H<br>FF |  | BACT<br>99.80 |
|           | VE | 10.0000 % OPACITY  |  |               |



(CONTINUED) MARTIN MARIETTA-LEAMINGTON

| PROCESSES SUBJECT<br>TO THIS PERMIT | THROUGHPUT<br>CAPACITY | POLLUTANT<br>EMITTED | EMISSION LIMITS<br>CONTROL EQUIPMENT OR PROCESS MODIFICATION | ... & BASIS<br>... PCT EFF |
|-------------------------------------|------------------------|----------------------|--------------------------------------------------------------|----------------------------|
| COAL STOR. & ML                     |                        | PM                   | 0.2000 LB/H<br>FF                                            | BACT<br>99.80              |
|                                     |                        | VE                   | 10.0000 % OPACITY                                            |                            |
| COAL STOR. & ML                     |                        | PM                   | 3.1000 LB/H<br>FF                                            | BACT<br>99.80              |
|                                     |                        | VE                   | 10.0000 % OPACITY                                            |                            |
| CRUSHING                            |                        | PM                   | 3.1000 LB/H<br>FF                                            | BACT<br>99.80              |
|                                     |                        | VE                   | 10.0000 % OPACITY                                            |                            |
| FINISH GRIND                        |                        | PM                   | 1.4000 LB/H<br>FF                                            | BACT<br>99.80              |
|                                     |                        | PM                   | 5.0000 LB/H<br>FF                                            | BACT<br>99.90              |
| FINISH GRIND                        |                        | VE                   | 10.0000 % OPACITY                                            |                            |
|                                     |                        | PM                   | 2.3000 LB/H<br>FF                                            | BACT<br>99.90              |
|                                     |                        | VE                   | 10.0000 % OPACITY                                            |                            |
| KILN SYS                            |                        | NOX                  | 101.5000 LB/H<br>0.8000 LB/T FEED<br>DESIGN                  | BACT                       |
|                                     |                        | SO2                  | 98.8000 LB/H<br>0.7700 LB/T FEED<br>KILN                     | BACT<br>85.00              |

(CONTINUED) MARTIN MARIETTA-LEAMINGTON

| PROCESSES SUBJECT<br>TO THIS PERMIT | THROUGHPUT<br>CAPACITY | POLLUTANT<br>EMITTED | EMISSION LIMITS<br>CONTROL EQUIPMENT OR PROCESS MODIFICATION | ... & BASIS<br>... PCT EFF |
|-------------------------------------|------------------------|----------------------|--------------------------------------------------------------|----------------------------|
| QUARRY I                            |                        | VE                   | 10.0000 % OPACITY<br>FUG.CONTROLS                            | BACT                       |
| QUARRY II                           |                        | PM                   | 10.0000 % OPACITY<br>FUG.CONTROLS                            | BACT                       |
| RAW MATL STORAGE                    |                        | PM                   | 1.5000 LB/H<br>FF                                            | BACT<br>99.90              |
|                                     |                        | VE                   | 10.0000 % OPACITY                                            |                            |
| RAW MILL                            |                        | PM                   | 18.2000 LB/H<br>FF                                           | BACT<br>99.90              |
|                                     |                        | VE                   | 20.0000 % OPACITY                                            |                            |
| SIL0/LDOT-COAL                      |                        | PM                   | 0.9000 LB/H<br>FF                                            | BACT<br>99.80              |
|                                     |                        | VE                   | 10.0000 % OPACITY                                            |                            |
| SIL0/LDOT-COAL                      |                        | PM                   | 0.6000 LB/H<br>FF                                            | BACT<br>99.80              |
|                                     |                        | VE                   | 10.0000 % OPACITY                                            |                            |
| STORAGE PILES                       |                        | VE                   | 10.0000 % OPACITY<br>FUG.CONTROLS                            | BACT                       |
| BURN/COOL                           |                        | PM                   | 0.4000 LB/H<br>FF                                            | BACT<br>99.80              |
|                                     |                        | VE                   | 10.0000 % OPACITY                                            |                            |

(CONTINUED) MARTIN MARIETTA-LEAMINGTON

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

BURN/COOL

|    |                   |               |
|----|-------------------|---------------|
| PM | 0.4000 LB/H<br>FF | BACT<br>99.80 |
|----|-------------------|---------------|

NOTES

KILN NOX EMISSION LIMIT IS BEING RE-EVALUATED. EXHAUST GAS FROM THE KILN ARE VENTED FROM THE FINISH MILL STACK AND THE ALKALY BY-PASS STACK. LIMITED TO 300 D/YR OPERATION OF THE KILN. DRY BLEND SYSTEM.

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

COAL CLEANING

15500.00 T/D

REDFIELD, AR

DATE OF PERMIT ISSUANCE-- 01/28/83  
ESTIMATED DATE OF START-UP--  
(501)-562-7444  
(PHONE)

MIKE PORTA  
(AGENCY CONTACT PERSON)

ARKANSAS DPC  
(AGENCY)

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

POLLUTANT  
EMITTED

THROUGHPUT  
CAPACITY

PROCESSES SUBJECT  
TO THIS PERMIT

499.00 MMBTU/H

BOILER, COAL

|     |                       |       |
|-----|-----------------------|-------|
| PM  | 0.1000 LB/MMBTU       | NSPS  |
|     | BAGHOUSE              | 99.90 |
| SO2 | 1.2000 LB/MMBTU       | NSPS  |
|     | LOW S COAL            |       |
| NOX | 0.7000 LB/MMBTU       | NSPS  |
|     | STAGED COMBUSTION-LEA |       |
| CO  | GOOD COMBUSTION       | BACT  |
|     |                       |       |
| PM  | 0.0310 GR/DSCF        | 99.50 |
|     | SCRUBBER              |       |

THERMAL DRYER, 9 15900.00 T/D

NOTES -----

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- COAL CLEANING 15900.00 T/D

COMPANY NAME/SITE LOCATION ETSI NEWARK, AR

DETERMINATION IS BACT FOR A NEW SOURCE. DATE OF PERMIT ISSUANCE-- 01/28/83  
 PERMIT NO. 705-A ESTIMATED DATE OF START-UP--  
 DETERMINATION MADE BY ARKANSAS DPC (501)-562-7444  
 (AGENCY) (PHONE)  
 MIKE PORTA  
 (AGENCY CONTACT PERSON)

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

|               |                |     |                                         |            |
|---------------|----------------|-----|-----------------------------------------|------------|
| BOILER, COAL  | 498.00 MMBTU/H | PM  | 0.1000 LB/MMBTU BACHOUSE                | NSPS 99.90 |
|               |                | SO2 | 1.2000 LB/MMBTU LOW S COAL              | NSPS       |
|               |                | NOX | 0.7000 LB/MMBTU STAGED COMBUSTION - LEA | NSPS       |
|               |                | CO  | GOOD COMBUSTION                         | BACT       |
|               |                |     |                                         |            |
| THERMAL DRYER | 15900.00 T/D   | PM  | 0.0310 GR/DSCF SCRUBBER                 | 99.50      |

NOTES -----

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- COAL CLEANING

COMPANY NAME/SITE LOCATION SOUTHERN CA EDISON COALWATER STATION 12 MI. SE OF BARSTON, CA

DETERMINATION IS PERMIT NO. SE80-01 DATE OF PERMIT ISSUANCE-- 12/09/81  
 DETERMINATION MADE BY EPA REGION IX DICK GROW ESTIMATED DATE OF START-UP--  
 (AGENCY) (AGENCY CONTACT PERSON) (415)-974-8219 (PHONE)

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

|                        |            |      |                                                                                   |       |
|------------------------|------------|------|-----------------------------------------------------------------------------------|-------|
| COAL GASIFICATION UNIT | 100.00 T/D | S02  | 4.4000 LB/H SELEXOL<br>196.0000 LB/H SLOT/CLAUS<br>SEL.: <.7% S, S/C: >.7% S FUEL | 99.60 |
|                        |            | CO   | 77.0000 LB/H 3H AV<br>50.0000 PPMV, DRY, DAY AVG<br>I & M PROGRAM, CO MONITORS    |       |
| GAS TURBINE            | 100.00 MW  | S02  | 35.0000 LB/H <.7% S FUEL<br>175.0000 LB/H >.7% S FUEL<br>3 HOUR AVERAGES          |       |
|                        |            | CO   | 77.0000 LB/H 3H AV<br>50.0000 PPMV, DRY, DAY AVG<br>I & M PROGRAM, CO MONITORS    |       |
|                        |            | SUL* | BACT INCORP. IN S02 CONTRL.                                                       |       |
|                        |            | NOX  | 140.0000 LB/H 3H AV<br>50.0000 PPMV, DRY, DAY AVG<br>WATER INJECTION              |       |

NOTES -----  
 BACT DETERMINED FROM TECHNOLOGY AND ECONOMICS. TWO MAJOR PROCESSES: ONE COAL GASIFICATION UNIT, ONE GAS TURBINE.

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- COAL CLEANING (THERMAL DRYER) 1.46 HMT/YR DRY

COMPANY NAME/SITE LOCATION CONSOL PENNSYLVANIA COAL CO. RICHHILL, PA GREENE COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE. DATE OF PERMIT ISSUANCE-- 05/03/82  
 PERMIT NO. 82PA01 ESTIMATED DATE OF START-UP--  
 DETERMINATION MADE BY EPA REGION III (215)-597-2745  
 (AGENCY) GREGORY HAM (PHONE)  
 (AGENCY CONTACT PERSON)

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

|               |            |     |                                  |            |
|---------------|------------|-----|----------------------------------|------------|
| THERMAL DRYER | 352.00 T/H | PM  | 0.0310 GR/DSCF                   | NSPS 99.00 |
|               |            | SO2 | VENTURI SCRUBBER 1.9000 LB/M:BTU |            |
|               |            | NOX | VENTURI SCRUBBER 0.6000 LB/M:BTU | 15.00      |
|               |            |     |                                  |            |

NOTES -----

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- COAL CLEANING (THERMAL DRYER)

COMPANY NAME/SITE LOCATION METTIKI COAL

DEER PARK, MD

DETERMINATION IS BACK FOR A NEW SOURCE.

PERMIT NO.

DETERMINATION MADE BY EPA REGION III  
(AGENCY)

CRAIG HOLDEFER  
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 07/05/78  
ESTIMATED DATE OF START-UP-- 1978  
(301)-383-3147  
(PHONE)

PROCESSES SUBJECT  
TO THIS PERMIT

THROUGHPUT  
CAPACITY

POLLUTANT  
EMITTED

EMISSION LIMITS  
CONTROL EQUIPMENT OR PROCESS MODIFICATION

... & BASIS  
... PCT EFF

THERMAL DRYERS

1.46 MMT/YR

PM

0.0096 GR/DSCF  
31.7000 LB/H

SO2

20.5000 PPM  
78.6000 LB/H

MULTIPLE CYCLONE & VENTURI SCRUBBER

99.70

NOTES -----

SOURCE HAS REQUESTED THAT PM EMISSIONS LIMIT BE RAISED TO 0.02 GR/DSCF. MARYLAND AIR MANAGEMENT ADMIN. WILL ALLOW THIS INCREASE IF SOURCE RESTRICTS OPERATIONS TO 16 H/D.

(\* ) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

PAGE 6-- 850

ID NUMBER MD-0016

SOURCE TYPE CODE 9.7



# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- GLASS FIBER MANUFACTURING

COMPANY NAME/SITE LOCATION CERTAINTED CORP.

MADERA, CA

DETERMINATION IS BACT FOR A MODIFIED SOURCE.  
 PERMIT NO. (REGION FILE NO.) SJ 60-02  
 DETERMINATION MADE BY EPA REGION IX  
 (AGENCY)

DATE OF PERMIT ISSUANCE-- 06/22/81  
 ESTIMATED DATE OF START-UP--  
 (415)-974-8062  
 (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

FURNACE, GLASS MELTING

200.00 MT/D

NOX

55.9000 LB/H GAS  
 40.0000 LB/H OIL

ELECT. BOOST MODIFICATION  
 REDUCED AIR COMBST MOD.

NOTES -----  
 BACT DETERMINED FROM TECHNOLOGY.

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- GLASS FIBER MANUFACTURING

COMPANY NAME/SITE LOCATION PPG INDUSTRIES

MIDLAND, TX

DETERMINATION IS BACT FOR A NEW SOURCE.  
PERMIT NO. (REGION FILE NO.) PSD-TX-290  
DETERMINATION MADE BY EPA REGION VI  
(AGENCY)

JOHN BUNYAK  
(AGENCY CONTACT PERSON)

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

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

GLASS MELTING FURNACE, 2 72.00 MMBTU/H

|      |                          |      |
|------|--------------------------|------|
| PM   | 3.0000 LB/H N. GAS       | NSPS |
|      | 0.0400 LB/MMBT NAT. GAS  |      |
|      | BACT NOT REQUIRED        |      |
| S02  | 59.0000 LB/H N. GAS      | BACT |
|      | 0.8100 LB/MMBTU N. GAS   |      |
|      | CHEMICAL INJECTION       |      |
| NOX  | 109.0000 LB/H N. GAS     | BACT |
|      | 1.5100 LB/MMBTU N. GAS   |      |
|      | COMBUSTION CONTROL       |      |
| FLU* | 4.1000 LB/H N. GAS       |      |
|      | 0.0570 LB/MMBTU N. GAS   |      |
|      | BACT NOT REQUIRED        |      |
| PM   | 3.4500 LB/H FUEL OIL     | NSPS |
|      | 0.0500 LB/MMBTU FUEL OIL |      |
|      | BACT NOT REQUIRED        |      |
| S02  | 93.5000 LB/H FUEL OIL    | BACT |
|      | 1.3000 LB/MMBTU FUEL OIL |      |
|      | CHEMICAL INJECTION       |      |
| NOX  | 0.8500 LB/H FUEL OIL     | BACT |
|      | 1.1000 LB/MMBTU FUEL OIL |      |
|      | COMBUSTION CONTROL       |      |
| FLU* | 4.1000 LB/H FUEL OIL     |      |
|      | 0.0570 LB/MMBTU FUEL OIL |      |

BACT NOT REQUIRED

(CONTINUED) PPG INDUSTRIES

| PROCESSES SUBJECT<br>TO THIS PERMIT | THROUGHPUT<br>CAPACITY | POLLUTANT<br>EMITTED | EMISSION LIMITS<br>CONTROL EQUIPMENT OR PROCESS MODIFICATION | ... & BASIS<br>... PCT EFF |
|-------------------------------------|------------------------|----------------------|--------------------------------------------------------------|----------------------------|
| DRYING OVENS, 12                    | 0.93 MMBTU/H           | PM                   | 0.0100 LB/H<br>0.0100 LB/MMBTU<br>BACT NOT REQUIRED          |                            |
|                                     |                        | SO2                  | 0.0060 LB/H<br>0.0060 LB/MMBTU<br>NATURAL GAS FIRING         | BACT                       |
|                                     |                        | NOX                  | 0.2000 LB/H<br>0.2100 LB/MMBTU<br>COMBUSTION CONTROL         | BACT                       |
| POST BAKE OVENS                     | 0.56 MMBTU/H           | PM                   | 0.0100 LB/H<br>0.0200 LB/MMBTU<br>BACT NOT REQUIRED          |                            |
|                                     |                        | SO2                  | 0.0003 LB/H<br>0.0005 LB/MMBTU<br>NATURAL GAS FIRING         | BACT                       |
|                                     |                        | NOX                  | 0.1300 LB/H<br>0.2300 LB/MMBTU<br>COMBUSTION CONTROL         | BACT                       |
| BOILERS, 2                          | 20.92 MMBTU/H          | PM                   | 0.3000 LB/H<br>0.0140 LB/MMBTU<br>BACT NOT REQUIRED          |                            |
|                                     |                        | SO2                  | 0.0100 LB/H<br>0.0005 LB/MMBTU<br>NATURAL GAS FIRING         | BACT                       |
|                                     |                        | NOX                  | 4.8000 LB/H<br>0.2300 LB/MMBTU<br>COMBUSTION CONTROL         | BACT                       |
| MATERIAL HANDLING FACILITIES, 33    |                        | PM                   | 0.3300 LB/H<br>BACT NOT REQUIRED                             |                            |

NOTES -----  
THE GLASS MELTING FURNACES ARE PERMITTED TO FIRE EITHER NATURAL GAS/PROPANE OR FUEL OIL.

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- FRIT MANUFACTURING 600.00 T/D

COMPANY NAME/SITE LOCATION GUARDIAN INDUSTRIES CORP. NORTHVILLE, TX 48167 NAVARRO COUNTY  
43043 W. NINE MILE RD.

DETERMINATION IS BACT FOR A NEW SOURCE. DATE OF PERMIT ISSUANCE-- 02/18/81  
PERMIT NO. ESTIMATED DATE OF START-UP--  
DETERMINATION MADE BY EPA REGION VI (214)-767-1594  
(AGENCY) JOHN BUNYAK (PHONE)  
(AGENCY CONTACT PERSON)

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

|                             |            |     |                |      |
|-----------------------------|------------|-----|----------------|------|
| GLASS MELTING FURNACE STACK | 600.00 T/D | NOX | 0.5000 LB/T    | BACT |
|                             |            |     | LOW EXCESS AIR |      |
|                             |            | SO2 | 0.1300 LB/T    | BACT |
|                             |            |     | PROCESS DESIGN |      |
|                             |            | PH  | 0.0600 LB/T    | BACT |
|                             |            |     | PROCESS DESIGN |      |

NOTES -----

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- GLASS MANUFACTURING  
 COMPANY NAME/SITE LOCATION BALL CORP.  
 NEAR ROSEVILLE , CA PLACER COUNTY  
 DETERMINATION IS BACT FOR A NEW SOURCE.  
 PERMIT NO. SAC-79-02 DATE OF PERMIT ISSUANCE-- 02/13/80  
 DETERMINATION MADE BY EPA REGION IX ESTIMATED DATE OF START-UP--  
 (AGENCY) DAVID SOLOMON (415)-974-8066  
 (AGENCY CONTACT PERSON) (PHONE)

PROCESSES SUBJECT THROUGHPUT EMISSION LIMITS ... & BASIS  
 TO THIS PERMIT CAPACITY CONTROL EQUIPMENT OR PROCESS MODIFICATION ... PCT EFF  
 FURNACE, BOTTLE GLASS MELTING 438.00 T/D NOX 6.3000 LB/T GLASS PULLED/H  
 75.0000 LB/H  
 HIGH LEVEL ELECT. BOOST 45.00  
 LOW EXCESS AIR

NOTES -----  
 MINIMUM 2500 KW BOOST FOR ALL PULL RATES OVER 285 T/DAY. FIRST NOX LIMIT -- ALL PULL RATES>285 T/DAY. 2ND LIMIT FOR RATES<285.

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- GLASS MANUFACTURING

COMPANY NAME/SITE LOCATION GUARDIAN INDUSTRIES CORP.

KINGSBURY, CA

DETERMINATION IS FOR A MODIFIED SOURCE.

DATE OF PERMIT ISSUANCE-- 01/16/81

PERMIT NO. SJ-78-66

ESTIMATED DATE OF START-UP--

DETERMINATION MADE BY EPA REGION IX

(415)-974-8066

(AGENCY)

DAVID SOLOMON

(PHONE)

(AGENCY CONTACT PERSON)

PROCESSES SUBJECT TO THIS PERMIT

THROUGHPUT CAPACITY

POLLUTANT EMITTED

EMISSION LIMITS

... & BASIS

CONTROL EQUIPMENT OR PROCESS MODIFICATION ... PCT EFF

GLASS MELTING FURNACE #2

650.00 T/D

S02

SEE NOTE

CHEMICAL TREATMENT OF FURNACE OFFGASES

NO MORE THAN 15 LB SALT CAKE PER 1000 LB SAND

NOX

340.0000 LB/H

BACT

PROPER FURNACE DESIGN

PM 12.2000 LB/H

20.00

ESP

NSPS

## NOTES

COMPLIANCE WITH S02 AND NOX LIMITS TO BE DETERMINED WITH CONTINUOUS MONITORS.S02 EMISSION LIMIT IS (13 X (LB SALT CAKE PER 100 0 LB SAND IN BATCH ) ) - 6(LB S/HR) OR TO BE LESS THAN 137 LB/HR 0.59% S FUEL OIL

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

PAGE 6- 657

ID NUMBER CA-0002

SOURCE TYPE CODE 9.11

# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- GLASS MANUFACTURING 750.00 T/D

COMPANY NAME/SITE LOCATION PPG INDUSTRIES MOUNT ZION, IL MACON COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.  
 PERMIT NO. C 912026  
 DETERMINATION MADE BY ILLINOIS EPA  
 (AGENCY) CHRIS ROMAINE  
 (AGENCY CONTACT PERSON) DATE OF PERMIT ISSUANCE-- 05/29/80  
 ESTIMATED DATE OF START-UP-- 1982  
 (217)-782-2113  
 (PHONE)

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

FLOAT GLASS PLANT 750.00 T/D

NOX 13.0000 LB/T GLASS PROD  
 SO2 1.6000 LB/T GLASS PROD  
 PM 0.6000 LB/T GLASS PROD  
 ESP NSPS

NOTES -----

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.



# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- GLASS MANUFACTURING 8.00 T/H  
 COMPANY NAME/SITE LOCATION PFG INDUSTRIES CUMBERLAND, MD 21502 ALLEGHENY COUNTY  
 P.O. BOX 1356

DETERMINATION IS BACT FOR A MODIFIED SOURCE. DATE OF PERMIT ISSUANCE-- 11/07/79  
 PERMIT NO. 79MD05 ESTIMATED DATE OF START-UP-- 1981  
 DETERMINATION MADE BY EPA REGION III VERNON BUTLER (215)-597-2711  
 (AGENCY) (AGENCY CONTACT PERSON) (PHONE)

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

GLASS FURNACE 8.00 T/H NOX 1.4550 LB/MMBTU BACT  
 SO2 8.0000 LB/H BACT  
 PH 11.5000 LB/H BACT

NOTES  
 SMALLER THAN COMMERCIAL (PROTOTYPE) UNIT FOR TESTING & RESEARCH ON THIS PROCESS.

# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- GYPSUM MANUFACTURING 150.00 MT/YR  
 COMPANY NAME/SITE LOCATION CONTINENTAL LIME, INC  
 NEAR DELTA , UT MILLARD COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.  
 PERMIT NO. DATE OF PERMIT ISSUANCE-- 12/05/80  
 DETERMINATION MADE BY EPA REGION VIII ESTIMATED DATE OF START-UP--  
 (AGENCY) (303)-837-3763  
 JOHN DALE (PHONE)  
 (AGENCY CONTACT PERSON)

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

|                   |                 |    |                               |      |
|-------------------|-----------------|----|-------------------------------|------|
| CALC. PLANT       | 40.00 T/H STONE | PM | 0.3000 LB/T FEED              | BACT |
|                   |                 | VE | TWIN CYC. & DUCON DYM SCRUBB. |      |
| COAL BIN STOR     | 394.00 MT/YR    | PM | 10.0000 % OPACITY             | BACT |
|                   |                 | PM | 0.0040 LB/H                   |      |
|                   |                 | VE | BAGHOUSE                      |      |
| FINISH PROD CRUSH | 45.00 T/H COAL  | VE | 20.0000 % OPACITY             |      |
|                   |                 | PM | 4.2000 LB/H                   | BACT |
|                   |                 | VE | BAGHOUSE                      |      |
|                   |                 | VE | 20.0000 % OPACITY             |      |

NOTES -----  
 CALCINER EMISSION LIMIT IS BEING CONTESTED THROUGH THE COURTS. SEE 'CFR THURSDAY, SEPT. 2, 1982'

(\* ) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- GYPSUM MANUFACTURING 425.00 MMCF/YR

COMPANY NAME/SITE LOCATION U.S. GYPSUM SHEETWATER, TX NOLAN COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.  
 PERMIT NO. PSD-TX-255  
 DETERMINATION MADE BY EPA REGION VI  
 (AGENCY) BILL TAYLOR  
 (AGENCY CONTACT PERSON) DATE OF PERMIT ISSUANCE-- 02/13/80  
 ESTIMATED DATE OF START-UP-- 1981  
 (214)-767-1594  
 (PHONE)

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

|                              |                 |    |                                        |       |
|------------------------------|-----------------|----|----------------------------------------|-------|
| STORAGE PILE                 | 425.00 MMSQF/YR | PM | 1.5000 LB/H<br>SPROUT, HOOD, ENCLOSURE | 34.00 |
| LAND PLASTER STORAGE BIN     |                 | PM | 0.3000 LB/H<br>BAGHOUSE                | 99.70 |
| CALCINED GYPSUM STORAGE BIN  |                 | PM | 0.3000 LB/H<br>BAGHOUSE                | 99.90 |
| MACHINE DRY MIXING EQUIP.    |                 | PM | 1.2000 LB/H<br>BAGHOUSE                | 99.90 |
| POST STUCCO TREATMENT EQUIP. |                 | PM | 0.6000 LB/H<br>BAGHOUSE                | 99.90 |
| END SAWING EQUIPMENT         |                 | PM | 3.0000 LB/H<br>BAGHOUSE                | 99.90 |

(CONTINUED) U.S. GYPSUM

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

DRYING KILNS, 6

|    |             |      |
|----|-------------|------|
| PM | 0.7000 LB/H | NONE |
|----|-------------|------|

NOTES -----

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE---- LIME MANUFACTURING 40000.00 LB/H

COMPANY NAME/SITE LOCATION ARMCO INC. - PIQUA MINERALS PIQUA, OH MIAMI COUNTY  
P.O. BOX 911

DETERMINATION IS B/L FOR A NEW SOURCE. DATE OF PERMIT ISSUANCE-- 06/15/81  
PERMIT NO. 08-362 ESTIMATED DATE OF START-UP-- 1982  
DETERMINATION MADE BY REGIONAL APC REBECCA POHLMAN (513)-335-5655  
(AGENCY) (AGENCY CONTACT PERSON) (PHONE)

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

|                      |               |    |                                                                           |               |
|----------------------|---------------|----|---------------------------------------------------------------------------|---------------|
| LIMESTONE CLASSIFIER | 40000.00 LB/H | PM | 0.0200 GR/DSCF<br>5.0000 LB/40000 LB PER H<br>BAGHOUSE, 1 SMALL & 1 LARGE | BACT<br>99.90 |
|----------------------|---------------|----|---------------------------------------------------------------------------|---------------|

NOTES -----

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- LIME MANUFACTURING

COMPANY NAME/SITE LOCATION CHEMSTONE CORP. ORANDA, VA

DETERMINATION IS BACT FOR A MODIFIED SOURCE.  
 PERMIT NO. 20252  
 DETERMINATION MADE BY VIRGINIA APCB (AGENCY)  
 KATHERINE MILLER (AGENCY CONTACT PERSON)  
 DATE OF PERMIT ISSUANCE-- 02/07/83  
 ESTIMATED DATE OF START-UP--  
 (804)-786-4867 (PHONE)

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

|                       |               |    |                                                     |       |
|-----------------------|---------------|----|-----------------------------------------------------|-------|
| LIME KILN, COAL FIRED | 54.00 MMBTU/H | PM | 0.2000 LB/T LIMESTONE FEED<br>MULTICLONE & BAGHOUSE | 99.50 |
| COAL HANDLING         | 2.50 T/H      | PM | 1.3200 T/YR<br>BAGHOUSE & WET SUPPRESSION           | 99.50 |

NOTES -----

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- LIME MANUFACTURING

COMPANY NAME/SITE LOCATION DAN RIVER, INC. DANVILLE, VA

DETERMINATION IS BACT FOR A MODIFIED SOURCE.  
 PERMIT NO. 30242  
 DETERMINATION MADE BY VIRGINIA APCB (AGENCY)  
 RENALDO JENKINS (AGENCY CONTACT PERSON)  
 DATE OF PERMIT ISSUANCE-- 03/22/82  
 ESTIMATED DATE OF START-UP--  
 (804)-786-4888 (PHONE)

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

LIME MANUFACTURING PLANT 9.00 MMLB/YR PM 4.5000 LB/H 99.90  
 16.2000 T/YR BAGHOUSE

NOTES -----

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- LIME MANUFACTURING 10.40 T/H QUICKLIME  
 COMPANY NAME/SITE LOCATION DONTAR INDUSTRIES, INC. BELLFONTE, PA CENTRE COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE. DATE OF PERMIT ISSUANCE-- 09/10/81  
 PERMIT NO. 80PA02 ESTIMATED DATE OF START-UP--  
 DETERMINATION MADE BY EPA REGION III BOB BLASZCZAK (215)-597-8186  
 (AGENCY) (AGENCY CONTACT PERSON) (PHONE)

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

|                             |                    |     |                                                                              |                       |
|-----------------------------|--------------------|-----|------------------------------------------------------------------------------|-----------------------|
| ROTARY KILN,NO.1 COAL-FIRED | 10.40 T/H QUICK L* | PM  | 0.1800 LB/T LIMESTONE BAGHOUSE                                               | NSPS 99.90 BACT 90.00 |
|                             |                    | SO2 | 1.1300 LB/T LIMESTONE BAGHOUSE                                               |                       |
|                             |                    | NOX | 1.5000 LB/T LIMESTONE LIME DUST INTERACTING WITH SO2 GOOD DESIGN & OPERATION | BACT                  |

NOTES -----  
 EXPANSION OF LIME PRODUCTION CAPACITY BY REHABILITATING NO.1 KILN TO PRODUCE QUICK LIME

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.



# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- LIME MANUFACTURING

COMPANY NAME/SITE LOCATION J.E. BAKER CO.

MILLERSVILLE, OH

DETERMINATION IS BACT FOR A MODIFIED SOURCE.  
 PERMIT NO. EPA-5-A-80-15  
 DETERMINATION MADE BY OHIO EPA MND  
 (AGENCY)

DATE OF PERMIT ISSUANCE-- 02/22/80  
 ESTIMATED DATE OF START-UP--  
 (419)-352-841  
 (PHONE)

CHUCK HULL  
 (AGENCY CONTACT PERSON)

PROCESSES SUBJECT  
 TO THIS PERMIT

THROUGHPUT  
 CAPACITY

POLLUTANT  
 EMITTED

EMISSION LIMITS  
 CONTROL EQUIPMENT OR PROCESS MODIFICATION

... & BASIS  
 ... PCT EFF

LIME KILN

PM 0.0300 GR/DSCF  
 VENTURI SCRUBBER

NOTES -----

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- MINERAL WOOL MANUFACTURING

COMPANY NAME/SITE LOCATION TEXACO, INC.  
SAN ARDO OIL FIELD

, CA MONTEREY COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.

PERMIT NO. MCC-78-04  
DETERMINATION MADE BY

EPA REGION IX  
(AGENCY)

DON HARVEY  
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 04/09/80  
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

STEAM GEN., 3 EA

20.00 MBTU/H

SO2

0.5800 LB/MBTU  
2.0000 %S FUEL OIL

BACT

WASTE GAS INCIN.

50.00 MBTU/H

SO2

9.0000 LB/H  
NICKEL CHLORIDE H2S SCRUBBER

BACT

99.30

NOTES -----  
THERMALLY ENHANCED OIL RECOVERY (TEOR)

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- MINERAL WOOL MANUFACTURING

COMPANY NAME/SITE LOCATION U.S. GYPSUM WABASH CITY, IN

DETERMINATION IS BACT FOR A NEW SOURCE. DATE OF PERMIT ISSUANCE-- 02/06/80  
 PERMIT NO. EPA-5-A-80-14 ESTIMATED D/T% OF START-UP--  
 DETERMINATION MADE BY EPA REGION V BONIFACE THAYIL (312)-886-6054  
 (AGENCY) (AGENCY CONTACT PERSON) (PHONE)

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

| PROCESSES SUBJECT TO THIS PERMIT | THROUGHPUT CAPACITY | POLLUTANT EMITTED | EMISSION LIMITS          | CONTROL EQUIPMENT OR PROCESS MODIFICATION | ... & BASIS ... PCT EFF |
|----------------------------------|---------------------|-------------------|--------------------------|-------------------------------------------|-------------------------|
| CUPOLA                           | 12000.00 LB/H       | CO                | 61.0000 LB/H AFTERBURNER |                                           | 94.00                   |
| SPINNER PRIMARY & SECOND. CYC    |                     | PM                |                          | DROP OUT BIN & BAGHOUSE                   | 99.00                   |
|                                  |                     | PM                | 9.0000 LB/H              | DRY FILTER                                | 90.00                   |
|                                  |                     |                   |                          |                                           |                         |

NOTES -----

(\* ) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- MINERAL WOOL MANUFACTURING

COMPANY NAME/SITE LOCATION U.S. GYPSUM

GYPSUM, OH

DETERMINATION IS BACT FOR A NEW SOURCE.  
 PERMIT NO. EPA-5-A-80-16  
 DETERMINATION MADE BY OHIO EPA NMD  
 (AGENCY)

DATE OF PERMIT ISSUANCE-- 03/11/80  
 ESTIMATED DATE OF START-UP--  
 (419)-352-8461  
 (PHONE)  
 CHUCK HULL  
 (AGENCY CONTACT PERSON)

PROCESSES SUBJECT  
 TO THIS PERMIT

THROUGHPUT  
 CAPACITY

POLLUTANT  
 EMITTED

EMISSION LIMITS  
 CONTROL EQUIPMENT OR PROCESS MODIFICATION

... & BASIS  
 ... PCT EFF

CUPOLA

PM 0.1500 LB/T PROC. WT.  
 0.9000 LB/H MAX

SO2 1.6000 LB/T PROC. WT.  
 9.6000 LB/H MAX

CO 5.3500 LB/T PROC. WT.  
 32.0000 LB/H MAX

FIBERIZATION PROCESS (FIBERIZIN\*)

PM 0.5200 GR/CF  
 179.0000 LB/H

SCRUBBER

97.80

NOTES -----  
 SOURCE NOT BUILT

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

PAGE 6-- 870

ID NUMBER OH-0007

SOURCE TYPE CODE 9.14

# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- PERLITE MANUFACTURING  
 COMPANY NAME/SITE LOCATION CAROLINA STALITE  
 GOLD HILL, NC  
 ROHAN COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.  
 PERMIT NO. NC-082  
 DETERMINATION MADE BY NORTH CAROLINA DEM  
 (AGENCY) MIKE SEWELL  
 (AGENCY CONTACT PERSON)  
 DATE OF PERMIT ISSUANCE-- 11/05/81  
 ESTIMATED DATE OF START-UP--  
 (919)-733-6126  
 (PHONE)

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

KILN, 2 EA  
 PM 16.0000 LB/H EA BACT  
 BAGHOUSE 98.00  
 S02 1.2000 LB/HBTU EA BACT  
 LOW SULFUR COAL

NOTES -----

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- PHOSPHATE ROCK PROCESSING

COMPANY NAME/SITE LOCATION ESTECH GENERAL CHEMICALS  
410 CORTEZ ROAD WEST

BRADENTON, FL 33507

MANATEE COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.  
PERMIT NO. PSD-FL-036  
DETERMINATION MADE BY FLORIDA DER  
(AGENCY)

WILLARD HAWKS  
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 01/29/81  
ESTIMATED DATE OF START-UP-- 1982  
(904)-488-1344  
(PHONE)

PROCESSES SUBJECT  
TO THIS PERMIT

THROUGHPUT  
CAPACITY

POLLUTANT  
EMITTED

EMISSION LIMITS  
CONTROL EQUIPMENT OR PROCESS MODIFICATION

... & BASIS  
... PCT EFF

ROCK DRYER

290.00 T/H

PM

0.0220 GR/DSCF

WET SCRUBBER-CYCLONE TYPE

NSPS  
99.60

NOTES -----

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

PAGE G- 872

ID NUMBER FL-0021

SOURCE TYPE CODE 9.16

# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- PHOSPHATE ROCK PROCESSING 475.00 T/H ROCK FEED

COMPANY NAME/SITE LOCATION MOBIL CHEMICAL CO. P.O. BOX 511 NICHOLS, FL 33863 POLK COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE. PERMIT NO. AC53-2005 DATE OF PERMIT ISSUANCE-- 03/20/80  
 DETERMINATION MADE BY FLORIDA DER WILLARD HAWKS ESTIMATED DATE OF START-UP-- 1982  
 (AGENCY) (AGENCY CONTACT PERSON) (904)-408-1344 (PHONE)

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

ROCK DRYER 475.00 T/H MAX PM 52.0000 LB/MT BACT  
 24.9000 LB/H  
 VENTURI SCRUBBER (CAUSTIC) 99.00  
 19.4000 LB/H

NOTES -----  
 CONTINUOUS MONITORING OF PRESS. DROP ACROSS SCRUBBER AND PRESSURE AT SCR RUBBER LIQUID INLET AND PH AT LIQUOR EXIT, IN LIEU OF  
 SO2 AND TSP MONITORS. .

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- STONE QUARRYING, SAND/GRAVEL 50.00 T/H

COMPANY NAME/SITE LOCATION COAL INDUSTRY SERVICES CO. POUNDING MILL, VA TAZEWELL COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.

PERMIT NO. 79VAIL DATE OF PERMIT ISSUANCE-- 12/06/79

DETERMINATION MADE BY EPA REGION III ESTIMATED DATE OF START-UP-- 1979

(AGENCY) (215)-597-2711

(PHONE)

VERNON BUTLER

(AGENCY CONTACT PERSON)

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

ROTARY AGGREGATE DRYER 50.00 T/H

PM 2.6000 LB/H BACT

FUG\* 20.0000 % OPACITY BAGHOUSE 99.98 BACT

NOTES -----

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.



# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- STONE QUARRYING, SAND/GRAVEL 2000.00 T/D

COMPANY NAME/SITE LOCATION CONCRETE MATERIALS INC. BROCKPORT, NY MONROE COUNTY  
FALL RD.

DETERMINATION IS BACT FOR A NEW SOURCE. DATE OF PERMIT ISSUANCE-- 05/12/80  
PERMIT NO. NONE ESTIMATED DATE OF START-UP-- 1980  
DETERMINATION MADE BY EPA REGION II (212)-264-9576  
(AGENCY) (AGENCY CONTACT PERSON) (PHONE)

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

|                       |               |    |                     |                              |     |       |
|-----------------------|---------------|----|---------------------|------------------------------|-----|-------|
| 1, 2, 3 ROCK CRUSHERS | 125000.00 T/H | PM | 70.0000 T/YR        | WATER SPRAY                  | SIP | 95.00 |
| CONVEYERS             | VARIABLE      | PM | 20.0000 % OPACITY   | WATER SPRAYS W/WETTING AGENT | SIP | 99.00 |
| DROP POINTS           | VARIABLE      | PM | COVERS ON CONVEYERS | NONE                         | SIP | 95.00 |
|                       |               |    |                     | SHROUDS                      |     |       |

NOTES -----  
OPERATING DAYS FOR THIS SOURCE WERE LIMITED TO 160 DAYS PER YEAR. PERMIT WAS ISSUED UNDER POST-ALABAMA REGS AND SOURCE WAS ADV  
ISED THAT THEIR PERMIT COULD BE RECINDED IF THEY SO DESIRE. PERMIT WAS RECINDED BY EPA ON 1/26/82.

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- STONE QUARRYING, SAND/GRAVEL 120.00 T/H

COMPANY NAME/SITE LOCATION GAF CORP. CHARMAIN, PA ADAMS COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.  
 PERMIT NO. 79-PA-20  
 DETERMINATION MADE BY EPA REGION III (AGENCY)  
 DAVID ARNOLD (AGENCY CONTACT PERSON)  
 DATE OF PERMIT ISSUANCE-- 02/29/80  
 ESTIMATED DATE OF START-UP-- 1980  
 (215)-597-7936 (PHONE)

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

|          |    |                          |      |       |
|----------|----|--------------------------|------|-------|
| MILL #1  | PM | 1.0900 LB/H CYCLONE      | BACT | 99.80 |
| MILL #2  | PM | 2.1100 LB/H WET SCRUBBER | BACT | 99.80 |
| MILL #3  | PM | 1.9200 LB/H WET SCRUBBER | BACT | 99.80 |
| STORAGE  | PM | 0.6200 LB/H              | BACT |       |
| CRUSHING | PM | 2.1000 LB/H              | BACT |       |
| CRUSHER  | PM | 0.3100 LB/H              | BACT |       |

NOTES -----

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- STONE QUARRYING, SAND/GRAVEL

COMPANY NAME/SITE LOCATION MARTIN MARIETTA AGGREGATES CHARLESTOWN, IN

DETERMINATION IS BACT FOR A NEW SOURCE. DATE OF PERMIT 02/25/81  
 PERMIT NO. PC(10)1483 ESTIMATED DATE OF START-UP--  
 DETERMINATION MADE BY INDIANA APCD (317)-633-0667  
 (AGENCY) (RANK PROFIT (PHONE)  
 (AGENCY CONTACT PERSON)

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

|                    |  |    |                      |       |
|--------------------|--|----|----------------------|-------|
| HAMMERMILL CRUSHER |  | PM | 0.1800 LB/H BAGHOUSE | 99.90 |
|--------------------|--|----|----------------------|-------|

NOTES -----

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

# APPENDIX --- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- STONE QUARRYING, SAND/GRAVEL 1.12 MMT/YR

COMPANY NAME/SITE LOCATION MARYLAND MATERIALS, INC. P.O. BOX W NORTHHEAST, MD 21901 CECIL COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE. DATE OF PERMIT ISSUANCE-- 10/04/79  
 PERMIT NO. 78MD06 ESTIMATED DATE OF START-UP-- 1980  
 DETERMINATION MADE BY EPA REGION III ED VOLLBERG (215)-597-8990  
 (AGENCY) (AGENCY CONTACT PERSON) (PHONE)

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

TERTIARY CRUSHING & SCREENING 360.00 T/H PM 6.4800 LB/H BAGHOUSE BACT 99.70

NOTES -----

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- STONE QUARRYING, SAND/GRAVEL

COMPANY NAME/SITE LOCATION MID-CONTINENT MATERIALS, INC.

TULSA, OK

DETERMINATION IS LAER FOR A NEW SOURCE.

PERMIT NO. T79-004

DETERMINATION MADE BY

TULSA CITY-COUNTY HEALTH DEPT

(AGENCY)

AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 11/19/79

ESTIMATED DAY OF START-UP-- 1982

(918)-784-1000

(PHONE)

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

|                 |            |    |                            |       |
|-----------------|------------|----|----------------------------|-------|
| PRIMARY CRUSHER | 355.00 T/H | PM | 1.8000 LB/H H2O SURFACTANT | 95.00 |
|-----------------|------------|----|----------------------------|-------|

|                   |            |    |                                     |       |
|-------------------|------------|----|-------------------------------------|-------|
| SECONDARY CRUSHER | 355.00 T/H | PM | 1.1000 LB/H H2O SURFACTANT & FILTER | 99.50 |
|-------------------|------------|----|-------------------------------------|-------|

|           |            |    |                             |       |
|-----------|------------|----|-----------------------------|-------|
| CONVEYORS | 355.00 T/H | PM | 13.3000 LB/H H2O SURFACTANT | 95.00 |
|-----------|------------|----|-----------------------------|-------|

|            |            |    |                                            |       |
|------------|------------|----|--------------------------------------------|-------|
| STOCKPILES | 355.00 T/H | PM | 12.2000 LB/H H2O SURFACTANT RESID.(NOTE#1) | 85.00 |
|------------|------------|----|--------------------------------------------|-------|

|               |            |    |                                               |       |
|---------------|------------|----|-----------------------------------------------|-------|
| TRUCK LOADING | 355.00 T/H | PM | 7.8000 LB/H SURFACTANT RESID.-SHIELDS(NOTE#2) | 85.00 |
|---------------|------------|----|-----------------------------------------------|-------|

|                |           |    |                                          |       |
|----------------|-----------|----|------------------------------------------|-------|
| RECRUSH/SCREEN | 90.00 T/H | PM | 1.1000 LB/H H2O SURFACTANT & FILLER BAGS | 99.50 |
|----------------|-----------|----|------------------------------------------|-------|

NOTES -----  
 OPERATIONS LIMITED TO 1760 H/YR. WATER FOR SURFACTANT SYS TO BE FROM CITY WATER SUPPLY ONLY / OFFSETS OBTAINED FROM ADJACENT Q  
 UARRY / LAER IMPOSED BECAUSE OF NON-ATTAINMENT STATUS. 1) ALSO STOCKPILE AREA & VEHICLE ROADS AREAS  
 HARD SURFACED. 2) GUARANTEED. CONTROL EFFICIENCIES AT SECONDARY BRUSHER ARE BASED ON APPLICANT'S STATEMENT.

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

PAGE 6- 880

ID NUMBER OK-0018

SOURCE TYPE CODE 9.17

# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- STONE QUARRYING, SAND/GRAVEL 400.00 T/H

COMPANY NAME/SITE LOCATION WALDRON CRUSHED STONE CO. WALDRON, IN

DETERMINATION IS BACT FOR A NEW SOURCE. DATE OF PERMIT ISSUANCE-- 10/21/80  
 PERMIT NO. PC(73)1478 ESTIMATED DATE OF START-UP--  
 DETERMINATION MADE BY INDIANA APCD (317)-633-0453  
 (AGENCY) (AGENCY CONTACT PERSON) (PHONE)

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

PRIMARY & SECONDARY CRUSHER 400.00 T/H PM 117.0000 T/YR DUST SUPPRESSION SYS. 80.00

NOTES -----

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- TACONITE ORE PROCESSING

COMPANY NAME/SITE LOCATION CONOCO, INC. , OH NOBLE COUNTY

DETERMINATION IS BACK FOR A NEW SOURCE. DATE OF PERMIT ISSUANCE-- 02/23/81  
 PERMIT NO. 06-552 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

GASIFIER

| SO2 | PM | NOX | LB/MMBTU  | LB/MMBTU | LB/MMBTU |
|-----|----|-----|-----------|----------|----------|
|     |    |     | 1.6000    | 0.0600   | 0.6000   |
|     |    |     | SEE NOTES | BAGHOUSE |          |
|     |    |     |           |          | 99.90    |

NOTES -----  
 < .5% S IN FUEL OIL

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.



# APPENDIX --- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- TACONITE ORE PROCESSING

COMPANY NAME/SITE LOCATION TENNESSEE EASTMAN CO.

KINGSPORT, TN

SULLIVAN COUNTY

DETERMINATION IS B/L

PERMIT NO.

DETERMINATION MADE BY

TENNESSEE APCD  
(AGENCY)

ANN NIELSON  
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 12/12/80  
ESTIMATED DATE OF START-UP--  
(615)-741-3000  
(PHONE)

PROCESSES SUBJECT  
TO THIS PERMIT

THROUGHPUT  
CAPACITY

POLLUTANT  
EMITTED

EMISSION LIMITS  
CONTROL EQUIPMENT OR PROCESS MODIFICATION

... & BASIS  
... PCT EFF

SULFUR RECOVERY

160429.00 LB/H

CO

0.6300 LB/H

FLASH & DISTIL. COLUMNS

BACT  
90.00

VOC

0.4500 LB/H

INCINERATION

LAER  
99.00

GASIFIER

340904.00 LB/H

CO

0.5600 LB/H

WASTE WATER CLARIFIER

BACT  
99.00

H2S

0.0085 LB/H

WASTE WATER CLARIFIER

BACT  
99.00

NOTES -----

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

PAGE 6- 883

ID NUMBER TN-0008

SOURCE TYPE CODE 9.18

# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- TACONITE ORE PROCESSING

COMPANY NAME/SITE LOCATION TENNESSEE EASTMAN CO.

KINGSPORT, TN

SULLIVAN COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.

DATE OF PERMIT ISSUANCE-- 09/24/80

PERMIT NO. TENNESSEE APCD

ANN NIELSON

ESTIMATED DATE OF START-UP--

(AGENCY)

(AGENCY CONTACT PERSON)

(615)-741-3651

(PHONE)

PROCESSES SUBJECT TO THIS PERMIT

THROUGHPUT CAPACITY

POLLUTANT EMITTED

EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION

... & BASIS ... PCT EFF

BOILER, 2

780.00 MMBTU/H EA

PM

0.0360 LB/MMBTU

LAER

ESP

1.2000 LB/MMBTU

99.60 BACT

0.71% S FUEL

NOX

0.6000 LB/MMBTU

BACT

VOC

0.0260 LB/MMBTU

LAER

EMISSION OFFSET

CO

0.0650 LB/MMBTU

BACT

NOTES -----

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

PAGE 6- 884

ID NUMBER TN-0014

SOURCE TYPE CODE 9.18

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- MINING OPERATIONS 6.00 MMT/YR

COMPANY NAME/SITE LOCATION SHELL OIL CO.-BUCKSKIN MINE  
 WY CAMPBELL COUNTY

DETERMINATION IS BACT PERMIT NO. DATE OF PERMIT ISSUANCE-- 03/04/80  
 DETERMINATION MADE BY EPA REGION VIII ESTIMATED DATE OF START-UP--  
 (AGENCY) JOHN DALE (303)-837-3763  
 (AGENCY CONTACT PERSON) (PHONE)

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

SURFACE MINE 6.00 MMT/YR PM MGN'T PRACTICES BACT

NOTES -----

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- OTHER MINERAL PRODUCTS INDUSTRY 30.00 T/H

COMPANY NAME/SITE LOCATION AM MATERIALS CONSTRUCTION EAU CLAIRE, WI

DETERMINATION IS BACT FOR A NEW SOURCE.  
 PERMIT NO. ATT-04-80-18-007 WISCONSIN DNR  
 DETERMINATION MADE BY (AGENCY) DONALD WHITE (PHONE)  
 DATE OF PERMIT ISSUANCE-- 04/02/80  
 ESTIMATED DATE OF START-UP-- (715)-836-4268

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

|            |  |    |                          |       |
|------------|--|----|--------------------------|-------|
| SAND DRYER |  | PM | 6.4000 LB/H MAX BAGHOUSE | 99.50 |
|------------|--|----|--------------------------|-------|

NOTES -----

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- OTHER MINERAL PRODUCTS INDUSTRY 130.00 T/H

COMPANY NAME/SITE LOCATION ANSELCO COAL, FULTON MINE MILCROOK, IN FOUNTAIN COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE. DATE OF PERMIT ISSUANCE-- 08/28/80  
 PERMIT NO. PC(23)1470 ESTIMATED DATE OF START-UP--  
 DETERMINATION MADE BY INDIANA APCD RICHARD WILLIAMSON (317)-633-0663  
 (AGENCY) (AGENCY CONTACT PERSON) (PHONE)

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

|                             |                |    |                             |       |
|-----------------------------|----------------|----|-----------------------------|-------|
| COAL MINING                 | 130.00 T/YR    | PM |                             |       |
| TRUCK DUMP                  | 270000.00 T/YR | PM | 6.7600 T/YR WET SUPPRESSION | 90.00 |
| SCREENS AND TRANSFER POINTS |                | PM | 9.4600 T/YR WET SUPPRESSION | 90.00 |
| ROTARY BREAKER              |                | PM | 2.7000 T/YR WET SUPPRESSION | 90.00 |
| STOCK PILES                 |                | PM | 4.0600 T/YR WET SUPPRESSION | 90.00 |
| LOADING                     |                | PM | 6.6700 T/YR WET SUPPRESSION | 90.00 |

NOTES -----  
 2080 HR/YR OPERATION

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- OTHER MINERAL PRODUCTS INDUSTRY 75.00 T/H

COMPANY NAME/SITE LOCATION BADGER MINING CORP. FAIRWATER, WI

DETERMINATION IS BACT FOR A NEW SOURCE. DATE OF PERMIT ISSUANCE-- 06/27/80  
 PERMIT NO. ATT-04-08-24-023 WISCONSIN DNR ESTIMATED DATE OF START-UP--  
 DETERMINATION MADE BY (AGENCY) BRIAN GALLEY (608)-266-9418  
 (AGENCY CONTACT PERSON) (PHONE)

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

|                 |  |      |                                |       |
|-----------------|--|------|--------------------------------|-------|
| SAND DRYER      |  | PM   | 0.0840 LB/MLB GAS WET SCRUBBER | 98.00 |
| SAND STOCKPILES |  | FUG* | WET SUPPRESSION                |       |

NOTES -----  
 WET SCRUBBER TO BE STACK TESTED, #2 FUEL OIL TO BE LESS THAN .3% S BY WEIGHT

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- OTHER MINERAL PRODUCTS INDUSTRY

COMPANY NAME/SITE LOCATION GENERAL CASTING CORP.

WAUKESHA, WI

DETERMINATION IS LAER FOR A NEW SOURCE.  
 PERMIT NO. NAA-03-80-68-041  
 DETERMINATION MADE BY EPA REGION V  
 (AGENCY)

DATE OF PERMIT ISSUANCE-- 06/06/80  
 ESTIMATED DATE OF START-UP--  
 (312)-886-6054  
 (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

SAND HANDLING SYSTEM

PM 0.0800 LB/MLB GAS  
 BAGHOUSES

LAER  
 99.20

NOTES -----

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

PAGE 6- 889

ID NUMBER WI-0011

SOURCE TYPE CODE 9.21

# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- OTHER MINERAL PRODUCTS INDUSTRY

COMPANY NAME/SITE LOCATION LONE STAR POLYMER CON' RETE CO.

NORFOLK, VA

DETERMINATION IS BACT FOR A MODIFIED SOURCE.

PERMIT NO. 0230

DETERMINATION MADE BY VIRGINIA APCB

(AGENCY)

PAUL PITTS

(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 01/21/82

ESTIMATED DATE OF START-UP--

(804)-786-4867

(PHONE)

PROCESSES SUBJECT

TO THIS PERMIT

THROUGHPUT

CAPACITY

POLLUTANT

EMITTED

EMISSION LIMITS

CONTROL EQUIPMENT OR PROCESS MODIFICATION

... & BASIS

... PCT EFF

POLYMER CONCRETE MIXER

4.20 T/H

VOC

11.7000 LB/H

9.9000 T/YR

PM

BAGHOUSE

99.00

NOTES -----

VOC LIMIT IS 11.7 LB/H , 9.9 T/YR.

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

PAGE 6- 890

ID NUMBER VA-0018

SOURCE TYPE CODE 9.21



APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- OTHER MINERAL PRODUCTS INDUSTRY 250.00 T/H

COMPANY NAME/SITE LOCATION MULLITE CO. ANDERSONVILLE, GA SUMTER COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE. DATE OF PERMIT ISSUANCE-- 10/07/80  
 PERMIT NO. GA 064 ESTIMATED DATE OF START-UP--  
 DETERMINATION MADE BY GEORGIA EPD (404)-656-6900  
 (AGENCY) (PHONE)  
 BILL MITCHELL  
 (AGENCY CONTACT PERSON)

| PROCESSES SUBJECT TO THIS PERMIT | THROUGHPUT CAPACITY | POLLUTANT EMITTED | EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION | ... & BASIS ... PCT EFF |
|----------------------------------|---------------------|-------------------|-----------------------------------------------------------|-------------------------|
| ROTARY KILNS                     | 250.00 T/YR         | PM                | 9.4200 LB/H LOW SULFUR COAL                               | BACT                    |

NOTES -----

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- OTHER MINERAL PRODUCTS INDUSTRY

COMPANY NAME/SITE LOCATION PATRICK COAL CORP.

CHESAPEAKE, VA

DETERMINATION IS BACT FOR A NEW SOURCE.

PERMIT NO. 61010

DETERMINATION MADE BY VIRGINIA APCB  
(AGENCY)

PAUL PITTS  
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 02/08/83  
ESTIMATED DATE OF START-UP--  
(804)-786-4867  
(PHONE)

PROCESSES SUBJECT  
TO THIS PERMIT

THROUGHPUT  
CAPACITY

POLLUTANT  
EMITTED

EMISSION LIMITS  
CONTROL EQUIPMENT OR PROCESS MODIFICATION

... & BASIS  
... PCT EFF

RAIL CAR DUMPER

2100.00 T/H

VE

5.0000 % OPACITY  
COVERED TRANSFER & WET SUPPRESSION

90.00

CONVEYORS

2100.00 T/H

VE

5.0000 % OPACITY  
COVERED TRANSFER & WET SUPPRESSION

90.00

SHIP LOADING

6100.00 T/H

VE

20.0000 % OPACITY  
COVERED TRANSFER & WET SUPPRESSION

90.00

STACKER

2100.00 T/H

VE

10.0000 % OPACITY  
COVERED TRANSFER & WET SUPPRESSION

90.00

RECLAIMER

4000.00 T/H

VE

10.0000 % OPACITY  
COVERED TRANSFER & WET SUPPRESSION

90.00

TRANSFER POINTS

2100.00 T/H

VE

5.0000 % OPACITY  
COVERED TRANSFER & WET SUPPRESSION

90.00

NOTES -----

THIS SOURCE IS A COAL TERMINAL THAT UNLOADS RAIL CARS TO SHIPS.

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

PAGE 6- 892

ID NUMBER VA-0017

SOURCE TYPE CODE 9.21

# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- OTHER MINERAL PRODUCTS INDUSTRY 200750.00 T/YR

COMPANY NAME/SITE LOCATION PPG INDUSTRIES SHELBY, NC

DETERMINATION IS BACT FOR A NEW SOURCE. DATE OF PERMIT ISSUANCE-- 10/03/80  
 PERMIT NO. NC-056 ESTIMATED DATE OF START-UP--  
 DETERMINATION MADE BY NORTH CAROLINA DEM MIKE SEWELL (919)-733-6126  
 (AGENCY) (AGENCY CONTACT PERSON) (PHONE)

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

RAW MATERIAL STORAGE 200750.00 T/YR PM 1.7000 LB/H BAGHOUSE + SILO BACT 99.00  
 SO2 6.2000 LB/H LOW SULFUR BACT

NOTES -----

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

## SOURCE TYPE/SIZE--- OTHER MINERAL PRODUCTS INDUSTRY

COMPANY NAME/SITE LOCATION SW ELECT. POWER DALLAS, TX 75250  
2700 ONE MAIN PL.

DETERMINATION IS BACT FOR A NEW SOURCE. DATE OF PERMIT ISSUANCE-- 02/23/81  
PERMIT NO. PSD-TX-130 ESTIMATED DATE OF START-UP--  
DETERMINATION MADE BY EPA REGION VI (214)-767-1594  
JOHN BUNYAK (PHONE)  
(AGENCY CONTACT PERSON)

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

|                             |              |    |                                            |       |
|-----------------------------|--------------|----|--------------------------------------------|-------|
| LIGNITE TRUCK UNLOAD HOPPER | 29433.00 T/D | PM | 7.4000 LB/H WET SUPPRESSION                | 50.00 |
| LIGNITE DISCHARGE CHUTE     | 29433.00 T/D | PM | 0.0800 LB/H WET SUPPRES.& TELESCOPIC CHUTE | 75.00 |
| LIGNITE RECLAIMING          | 33600.00 T/D | PM | 0.1600 LB/H WET SUPPRES.& PART. ENCLOSURE  | 50.00 |
| LIGNITE STORAGE PILES       | 57.40 LB/D   | PM | 2.3900 LB/H COMPACTION                     | 0.00  |
| LIMESTONE CAR HOPPER        | 1892.00 T/D  | PM | 0.0800 LB/H BAGHOUSE                       | 90.00 |

NOTES -----

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- KRAFT PULP MILLS

COMPANY NAME/SITE LOCATION ALABAMA KRAFT P.O. BOX 940 X CITY (LOCATED IN COTTONTON\*, AL 36867 RUSSELL COUNTY

DETERMINATION IS BASED FOR A MODIFIED SOURCE.  
 PERMIT NO. PSD-AL-067  
 DETERMINATION MADE BY ALABAMA APCD (AGENCY)  
 SUE ROBERTSON (AGENCY CONTACT PERSON)  
 DATE OF PERMIT ISSUANCE-- 07/29/80  
 ESTIMATED DATE OF START-UP-- 1981  
 (205)-834-6570 (PHONE)

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

|                   |                |     |                                 |            |
|-------------------|----------------|-----|---------------------------------|------------|
| BOILER, WOODWASTE | 436.00 MMBTU/H | PM  | 0.1000 LB/MMBTU                 | NSPS       |
|                   |                |     | MULTICYCLONE & VENTURI SCRUBBER | 98.00 NSPS |
|                   |                | SO2 | 0.8000 LB/MMBTU                 | NSPS       |
|                   |                | NOX | FUEL BLENDING                   | NSPS       |
|                   |                |     | 0.3000 LB/MMBTU                 |            |
|                   |                |     | COMBUSTION CONTROL              |            |

NOTES -----

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- KRAFT PULP MILLS 1000.00 ADTP/D

COMPANY NAME/SITE LOCATION ALABAMA RIVER PULP CO., INC CLAIBORNE, AL

DETERMINATION IS BACT FOR A NEW SOURCE. DATE OF PERMIT ISSUANCE-- 11/06/75  
 PERMIT NO. 1-06-0010-X001 THRU\* ESTIMATED DATE OF START-UP--  
 DETERMINATION MADE BY ALABAMA DEM (205)-834-6570  
 (AGENCY) (PHONE)  
 SUE ROBERTSON  
 (AGENCY CONTACT PERSON)

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

RECOVERY BOILER 1086.00 ADTP/D  
 PM 0.0440 GR/DSCF AT 8% O2 ESP 99.60  
 TRS 5.0000 PPM AT 8% O2  
 SO2 LOW ODOR BOILER  
 NOX  
 CO

SHELT TANK 1086.00 ADTP/D  
 PM 0.2000 LB/T BLS WET SCRUBBER 99.00

LIME KILN 1086.00 ADTP/D  
 PM 0.1300 GR/DSCF AT 10% O2  
 TRS VENTURI SCRUBBER 99.50  
 5.0000 PPM AT 10% O2

DIGESTERS  
 TRS 0.5000 SEC AT LEAST 1200 F INCINERATION-LIME KILN

(CONTINUED) ALABAMA RIVER PULP CO., INC

| PROCESSES SUBJECT<br>TO THIS PERMIT | THROUGHPUT<br>CAPACITY | POLLUTANT<br>EMITTED | EMISSION LIMITS<br>CONTROL EQUIPMENT OR PROCESS MODIFICATION | ... & BASIS<br>... PCT EFF |
|-------------------------------------|------------------------|----------------------|--------------------------------------------------------------|----------------------------|
| EVAPORATORS                         |                        | TRS                  | 0.5000 SEC AT LEAST 1200 F<br>INCINERATION-LIME KILN         |                            |
| BROWN STOCK WASHERS                 |                        | TRS                  | 0.5000 SEC AT LEAST 1200 F<br>INCINERATION-RECOV. BOILER     |                            |
| POWER BOILER                        | 438.00 MMBTU/H         | PM                   | 0.2300 GR/DSCF AT 50% EX. AIR<br>ESP & MULTICLONE            | 98.50                      |
|                                     |                        | SO2                  | 2033.0000 T/YR                                               |                            |
|                                     |                        | NOX                  | 0.7000 LB/MMBTU                                              |                            |

NOTES -----

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- KRAFT PULP MILLS 900.00 T/D ADP

COMPANY NAME/SITE LOCATION BOHATER CAROLINA CO. CATAHBA, SC

DETERMINATION IS BACT FOR A NEW SOURCE. DATE OF PERMIT ISSUANCE-- 05/03/82  
 PERMIT NO. (REGION FILE NO.) P/C-46-210-R-1 ESTIMATED DATE OF START-UP-- 1983  
 DETERMINATION MADE BY SOUTH CAROLINA DHEC (803)-758-5406  
 (AGENCY) (PHONE)  
 DAVID FLEMING  
 (AGENCY CONTACT PERSON)

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

|                  |                |     |                |                            |       |
|------------------|----------------|-----|----------------|----------------------------|-------|
| RECOVERY FURNACE | 900.00 T/D ADP | PM  | 0.0440 GR/DSCF | ELECTROSTATIC PRECIPITATOR | 99.00 |
|                  |                | SO2 | 300.0000 PPM   |                            |       |
|                  |                | TRS | 5.0000 PPM     |                            |       |

|                       |                    |     |                 |                                |  |
|-----------------------|--------------------|-----|-----------------|--------------------------------|--|
| SHELT DISSOLVING TANK | 30.00 T/H OF SHELT | PM  | 0.2000 LB/T BLS | BL. LIQUOR NON-CONTACT EVAPOR. |  |
|                       |                    | TRS | 0.0168 LB/T BLS | WET SPRAY SCRUB. W/CYC. FLOW   |  |
|                       |                    |     |                 | WET SPRAY SCRUB. W/CYC. FLOW   |  |

NOTES -----  
 THIS DETERMINATION ALSO APPLIES TO PERMIT NUMBER P/C-46-215

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.



# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- KRAFT PULP MILLS

COMPANY NAME/SITE LOCATION CHAMPION INTERNAT. CORP.

QUINNESEC, MI

DICKINSON COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.

PERMIT NO. 33-80

DETERMINATION MADE BY MICHIGAN DNR

(AGENCY)

RANDAL TELEZ

(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 03/17/81

ESTIMATED DATE OF START-UP--

(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

812.50 MMBTU/H

PM

0.0600 LB/MMBTU

CYCLONE & ESP

NSPS

99.70

SO2

1.2000 LB/MMBTU

LESS THAN 1% SULFUR COAL

NSPS

NSPS

NSPS

REC. BOILER, BLACK LIQUOR FUEL 360000.00 LB/H

PM

0.0440 GR/DSCF

ESP

NSPS

99.80

TRS

5.0000 PPM BY VOL

ESP

NSPS

280.00 T/D CAO

PM

0.0670 GR/DSCF

SCRUBBER

NSPS

99.80

TRS

8.0000 PPM BY VOL

SCRUBBER

NSPS

99.80

SO2

120.0000 LB/H

SCRUBBER

NSPS

SMELT DESOLVING TANK 2.86 MMLB/D BLS

PM

0.2000 LB/T BLS

SCRUBBER

NSPS

99.00

TRS

0.0108 LB/T

SCRUBBER

NSPS

99.00

(CONTINUED) CHAMPION INTERNAT. CORP.

| PROCESSES SUBJECT<br>TO THIS PERMIT | THROUGHPUT<br>CAPACITY | POLLUTANT<br>EMITTED | EMISSION LIMITS<br>CONTROL EQUIPMENT OR PROCESS MODIFICATION | ... & BASIS<br>... PCT EFF |
|-------------------------------------|------------------------|----------------------|--------------------------------------------------------------|----------------------------|
| LIME, COAL, & ASH HANDLING & ST*    |                        | PM                   | 0.0300 GR/DSCF<br>WET SUPPRESSION                            | NSPS                       |

NOTES -----  
 TSP AND TRS LIMIT CORRECTED TO 10% O2 (LIME KILN) & TRS LIMIT BASED ON 12 HOUR AVG. TRS LIMITS -- LB/TON BLACK LIQUOR SOLIDS B  
 ASSED ON DRY WT BASIS (SMELT D ESOLVING TANK)

# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- KRAFT PULP MILLS

COMPANY NAME/SITE LOCATION CHESAPEAKE CORP.

WEST POINT, VA

DETERMINATION IS BACT FOR A MODIFIED SOURCE.  
 PERMIT NO. 40126  
 DETERMINATION MADE BY VIRGINIA APCB  
 (AGENCY)

DATE OF PERMIT ISSUANCE-- 06/10/82  
 ESTIMATED DATE OF START-UP--  
 (804)-786-4867  
 (PHONE)

PAUL PITTS  
 (AGENCY CONTACT PERSON)

PROCESSES SUBJECT  
 TO THIS PERMIT

THROUGHPUT  
 CAPACITY

POLLUTANT  
 EMITTED

EMISSION LIMITS  
 CONTROL EQUIPMENT OR PROCESS MODIFICATION

... & BASIS  
 ... PCT EFF

LIME KILN

140.00 LB/D

PM

88.6000 T/YR

0.1300 GR/DSCF AT 10% O2

VENTURI SCRUBBER

TRS

5.1100 T/YR

8.0000 PPM AT 10% O2

SO2

RATE BASED ON STACK TEST RESULTS

CO

RATE BASED ON STACK TEST RESULTS

VOC

RATE BASED ON STACK TEST RESULTS

NOX

RATE BASED ON STACK TEST RESULTS

99.10

## NOTES

PM LIMIT IS 88.6 T/YR , 0.1300 GR/DSCF. TRS LIMIT IS 5.11 T/YR , 8.0 PPM AT 10% O2

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- KRAFT PULP MILLS

COMPANY NAME/SITE LOCATION CONTAINER CORP. OF AM BREWTON, AL ESCAMBIA COUNTY  
P.O. BOX 709

DETERMINATION IS BACT FOR A MODIFIED SOURCE. DATE OF PERMIT ISSUANCE-- 12/21/79  
PERMIT NO. PSD-AL-061 ESTIMATED DATE OF START-UP-- 1982  
DETERMINATION MADE BY ALABAMA APCD SUE ROBERTSON  
(AGENCY) (AGENCY CONTACT PERSON) (205)-834-6570  
(PHONE)

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

BOILER, COAL/WOOD FIRED 511.50 MMBTU/H

|     |                         |            |
|-----|-------------------------|------------|
| PM  | 51.1500 LB/H 100% COAL  | NSPS       |
|     | 60.8000 LB/H 100% WOOD  |            |
|     | ESP                     |            |
| S02 | 613.2500 LB/H           | 99.10 NSPS |
|     | 60.8000 LB/H 100% WOOD  |            |
|     | 0.75% S FUEL            |            |
| NOX | 350.0000 LB/H 100% COAL | NSPS       |
|     | 426.0000 LB/H 100% WOOD |            |
|     | COMBUSTION CONTROL      |            |

NOTES --- WOOD CAPACITY 608 MMBTU/H CONTROL EFFICIENCY 98.28%

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- KRAFT PULP MILLS

COMPANY NAME/SITE LOCATION CONTAINER CORP. OF AM  
NORTH EIGHTH STREET

FERNAINDINA BEACH, FL 32034

MASSAU COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.

PERMIT NO. FL-062

DETERMINATION MADE BY FLORIDA DER  
(AGENCY)

BOB KING  
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 04/13/81  
ESTIMATED DATE OF START-UP-- 1983  
(904)-488-1344  
(PHONE)

PROCESSES SUBJECT  
TO THIS PERMIT

THROUGHPUT  
CAPACITY

POLLUTANT  
EMITTED

EMISSION LIMITS  
CONTROL EQUIPMENT OR PROCESS MODIFICATION

... & BASIS  
... PCT EFF

BOILER, COAL/WOOD WASTE

1021.00 MMBTU/H

PM

472.0000 T/YR

NSPS

SO2

5363.0000 T/YR

NSPS

LOW SULFUR COAL (.75%)

NOTES -----

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

PAGE G- 903

ID NUMBER FL-0026

SOURCE TYPE CODE 10.1

# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- KRAFT PULP MILLS 1095.00 MMBTU/H

COMPANY NAME/SITE LOCATION FEDERAL PAPERBOARD CO. RIEGELWOOD, NC

DETERMINATION IS BACT FOR A NEW SOURCE. DATE OF PERMIT ISSUANCE-- 08/31/81  
 PERMIT NO. NC-081 ESTIMATED DATE OF START-UP--  
 DETERMINATION MADE BY NORTH CAROLINA DEM MIKE SEMELL (919)-733-6126  
 (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                 | 1095.00 MMBTU/H | PM  | 0.0440 GR/CF WET BOTTOM ESP      | BACT |
|                        |                 | SO2 | 979.0000 T/H COMBUSTION CONTROLS | BACT |
| SHELT DISSOLVING TANKS | 1000.00 T/D ADP | PM  | 0.2000 LB/H WET SCRUBBERS        | BACT |
|                        |                 | SO2 | 0.0660 LB/T BLS                  | BACT |
|                        |                 |     | DUCON SCRUBBERS                  |      |

NOTES -----

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- KRAFT PULP MILLS

2300.00 T/D ADP

COMPANY NAME/SITE LOCATION FEDERAL PAPERBOARD CO.

RIEGELWOOD, NC

DETERMINATION IS BACT FOR A NEW SOURCE.

DATE OF PERMIT ISSUANCE-- 06/07/82

PERMIT NO. 4924

ESTIMATED DATE OF START-UP-- 1984

DETERMINATION MADE BY NORTH CAROLINA DEM

MIKE SEWELL

(AGENCY)

(AGENCY CONTACT PERSON)

(919)-733-6126

(PHONE)

PROCESSES SUBJECT TO THIS PERMIT

POLLUTANT  
EMITTED

EMISSION LIMITS  
CONTROL EQUIPMENT OR PROCESS MODIFICATION

... & BASIS  
... PCT EFF

POWER BOILER NO.6

771.00 MMBTU/H

PM 0.1000 LB/MMBTU

NSPS

S02 1.2000 LB/MMBTU COAL

99.15

0.8000 LB/MMBTU OIL

NSPS

LOW SULFUR COAL/OIL

NOX 0.7000 LB/MMBTU COAL

NSPS

0.3000 LB/MMBTU OIL

CONTROL OF COMBUSTION COND.

NOX 0.2000 LB/MMBTU GAS

NSPS

CO 0.0500 LB/MMBTU COAL

AP42

LIME KILN NO.4

971.00 T/D ADP

PM 0.1300 GR/DSCF 10% O2

NSPS

S02 8.1000 LB/H

97.60

WET VENTURI SCRUBBER

NOX 40.5000 LB/H

AP42

CO 405.0000 LB/H

AP42

BROWN STOCK WASHERS NO.5

860.00 T/D ADP

S02 16.2000 LB/H

INCIN. TRS IN POWER BOILER #6

NOTES -----

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

PAGE 6-- 905

ID NUMBER NC-0019A

SOURCE TYPE CODE 10.1

# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- KRAFT PULP MILLS

COMPANY NAME/SITE LOCATION GEORGIA-PACIFIC CORP.  
P.O. BOX 105041

ATLANTA, LA 30348

DETERMINATION IS BACT FOR A MODIFIED SOURCE.  
PERMIT NO. (REGION FILE NO.) PSD-LA-0041  
DETERMINATION MADE BY EPA REGION VI  
(AGENCY)

TOM DIGGS  
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 03/27/81  
ESTIMATED DATE OF START-UP--  
(214)-767-1594  
(PHONE)

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

WOOD-FIRED BOILER 272.00 MBTU/H

|     |                                |                                |               |
|-----|--------------------------------|--------------------------------|---------------|
| PM  | 24.7000 LB/H<br>0.0090 LB/MBTU | M-CLOHE MECH COLL & WET SCRUB  | BACT          |
| NOX | 26.7000 LB/H<br>0.1000 LB/MBTU |                                | 95.00<br>BACT |
| CO  | 25.0000 LB/H<br>0.0900 LB/MBTU | F.G. 02 MON,CNTRL OF A/F RATIO | BACT          |
|     |                                | F.G. 02 MON,CNTRL OF A/F RATIO |               |

NOTES -----  
LIMITED TO A WOOD/BARK FIRING RATE OF 30.2 TONS/H

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.



# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- KRAFT PULP MILLS

COMPANY NAME/SITE LOCATION GEORGIA-PACIFIC CORP.  
P.O. BOX 105041

ATLANTA, AR 30348

CROSSETT COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.

PERMIT NO. PSD-AR 317

DETERMINATION MADE BY EPA REGION VI

(AGENCY)

JOHN BUNYAK

(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 03/19/80

ESTIMATED DATE OF START-UP-- 1982

(214)-767-1594

(PHONE)

PROCESSES SUBJECT  
TO THIS PERMIT

THROUGHPUT  
CAPACITY

POLLUTANT  
EMITTED

EMISSION LIMITS  
CONTROL EQUIPMENT OR PROCESS MODIFICATION

... & BASIS  
... PCT EFF

BOILER, WOOD FIRED

211.20 MMBTU/H

NOX

26.0000 LB/H

0.1200 LB/MMBTU

BACT

CO

24.0000 LB/H

0.1100 LB/MMBTU

NSPS

AIR/FUEL RATIO CONTROLS

## NOTES

BACT ANALYSIS NOT REQUIRED FOR NOX BECAUSE THERE WAS NO NET INCREASE IN EMISSIONS. HOWEVER EMISSION LIMITS WERE PRESENTED FOR THIS POLLUTANT. A WOOD/BARK MIXTURE OF 28.7 TONS PER HOUR WILL BE FIRED IN EACH BOILER.

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

PAGE 6- 907

ID NUMBER AR-0005

SOURCE TYPE CODE 10.1

# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- KRAFT PULP MILLS 750.00 T/D

COMPANY NAME/SITE LOCATION HAMMERMILL PAPER RIVERDALE, AL 36701 DALLAS COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE. DATE OF PERMIT ISSUANCE-- 03/26/80  
 PERMIT NO. PSD-AL-062 ESTIMATED DATE OF START-UP-- 1982  
 DETERMINATION MADE BY ALABAMA APCD (AGENCY) SUE ROBERTSON (205)-834-6570 (PHONE)  
 (AGENCY CONTACT PERSON)

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

|                       |                |     |                                        |                 |
|-----------------------|----------------|-----|----------------------------------------|-----------------|
| RECOVERY BOILER #2    | 737.00 MMBTU/H | PM  | 66.2000 LB/H ESP                       | NSPS 99.60 BACT |
|                       |                | SO2 | 1901.0000 T/YR                         | BACT            |
|                       |                | NOX | 114.2000 LB/H                          | BACT            |
|                       |                | CO  | 456.6000 LB/H                          | BACT            |
|                       |                | TRS | 5.0000 PPM AT 8% O2                    | NSPS            |
| LIME KILN             |                | TRS | 8.0000 PPM AT 10% O2                   | NSPS            |
|                       |                | PM  | 0.0670 GR/DSCF AT 10% O2, GASEOUS FUEL | NSPS            |
|                       |                | SO2 | 0.1300 GR/DSCF AT 10% O2, LIQ. FUEL    | 98.70 BACT      |
|                       |                |     | 111.0000 T/YR                          |                 |
|                       |                |     | EQUIPMENT OPERATION                    |                 |
| SMELT DISSOLVING TANK | 56.25 T/H BLS  | PM  | 0.2000 LB/T BLS                        | NSPS 94.00 BACT |
|                       |                | SO2 | 11.4000 LB/H                           |                 |

|     |        |                                                                |      |
|-----|--------|----------------------------------------------------------------|------|
| TRS | 0.0168 | REC. BOILER OPERATION<br>LB/T ELS<br>RECOVERY BOILER OPERATION | NSPS |
|-----|--------|----------------------------------------------------------------|------|

(CONTINUED) HAMMERMILL PAPER

| PROCESSES SUBJECT<br>TO THIS PERMIT | THROUGHPUT<br>CAPACITY | POLLUTANT<br>EMITTED | EMISSION LIMITS<br>CONTROL EQUIPMENT OR PROCESS MODIFICATION | ... & BASIS<br>... PCT EFF |
|-------------------------------------|------------------------|----------------------|--------------------------------------------------------------|----------------------------|
| BATCH DIGESTERS #6, #7 & #8         |                        | TRS                  | 0.5000 SES AT 1200 DEG. F<br>INCINERATION                    |                            |
| BROWN STACK WASHER #2               |                        | TRS                  | 11.0000 LB/H                                                 |                            |
| RECOVERY BOILER #1                  | 382.00 MMBTU/H         | TRS<br>PM            | 20.0000 PPM<br>4.0000 LB/ADTP<br>ESP                         |                            |
|                                     |                        | SO2                  | 272.0000 LB/H                                                |                            |

NOTES -----  
RECOVERY BOILER #1 -- EXISTING BOILER WAS CONVERTED FROM CONVENTIONAL TO "LOW ODOR" DESIGN.

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- KRAFT PULP MILLS 800.00 ADTP/D

COMPANY NAME/SITE LOCATION INDEPENDENT KRAFT CORP. TUSCALOOSA, AL

DETERMINATION IS BACT FOR A NEW SOURCE.  
 PERMIT NO. 413-0025-X001 THRU \*  
 DETERMINATION MADE BY ALABAMA DEM (AGENCY)  
 SUE ROBERTSON (AGENCY CONTACT PERSON)  
 DATE OF PERMIT ISSUANCE-- 02/23/83  
 ESTIMATED DATE OF START-UP--  
 (205)-834-6570 (PHONE)

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

|                 |               |     |                                        |       |
|-----------------|---------------|-----|----------------------------------------|-------|
| RECOVERY BOILER | 763.00 ADTP/D | PM  | 0.0440 GR/DSCF AT 8% O2<br>ESP         | 99.10 |
|                 |               | SO2 | 391.0000 LB/H                          |       |
|                 |               | NOX | 31.8000 LB/H                           |       |
|                 |               | CO  | 63.6000 LB/H                           |       |
|                 |               | TRS | 0.5000 PPM AT 8% O2<br>LOW ODOR BOILER |       |

|           |               |     |                                                                   |       |
|-----------|---------------|-----|-------------------------------------------------------------------|-------|
| LIME KILN | 763.00 ADTP/D | PM  | 0.0670 GR/DSCF AT 10% O2,GAS<br>0.1300 GR/DSCF AT 10% O2,FUEL OIL | 98.70 |
|           |               | SO2 | 6.4000 LB/H                                                       |       |
|           |               | NOX | 31.8000 LB/H                                                      |       |
|           |               | CO  | 318.0000 LB/H                                                     |       |
|           |               | TRS | 8.0000 PPM AT 10% O2<br>VENTURI WET SCRUBBER                      |       |

|            |               |     |                                      |       |
|------------|---------------|-----|--------------------------------------|-------|
| SHELT TANK | 763.00 ADTP/D | PM  | 0.2000 LB/T BLS<br>CYCLONIC SCRUBBER | 95.00 |
|            |               | SO2 | 3.1800 LB/H                          |       |
|            |               | TRS | 0.0168 LB/T BLS                      |       |

(CONTINUED) INDEPENDENT KRAFT CORP.

| PROCESSES SUBJECT<br>TO THIS PERMIT | THROUGHPUT<br>CAPACITY | POLLUTANT<br>EMITTED | EMISSION LIMITS<br>CONTROL EQUIPMENT OR PROCESS MODIFICATION | ... & BASIS<br>... PCT EFF |
|-------------------------------------|------------------------|----------------------|--------------------------------------------------------------|----------------------------|
| CONTINUOUS DIGESTER                 | 763.00 ADTP/D          | TRS                  | 0.5000 SEC AT LEAST 1200 F<br>INCINERATION                   |                            |
| MULTIPLE EFFECTS EVAPORATORS        | 763.00 ADPT/D          | TRS                  | 0.5000 SEC AT LEAST 1200 F<br>INCINERATION                   |                            |
| BROWN STOCK WASHER                  | 763.00 ADTP/D          | TRS                  | 0.5000 SEC AT LEAST 1200 F<br>INCINERATION                   |                            |
| CONDENSATE STRIPPER                 | 763.00 ADTP/D          | TRS                  | 0.5000 SEC AT LEAST 1200 F<br>INCINERATION                   |                            |
| GENERATOR, FOSSIL FUEL STEAM        | 495.00 MMBTU/H         | PM                   | 0.1000 LB/MMBTU                                              | 98.90                      |
|                                     |                        | SO2                  | MULTICLONE & ESP                                             |                            |
|                                     |                        | NOX                  | 1.2000 LB/MMBTU                                              |                            |
|                                     |                        | CO                   | 0.7000 LB/MMBTU                                              |                            |
|                                     |                        |                      | 117.0000 LB/H                                                |                            |

NOTES -----

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- KRAFT PULP MILLS

COMPANY NAME/SITE LOCATION INTERNATIONAL PAPER CO.

NOBLE, LA 71462

SABINE PARISH

DETERMINATION IS BACT FOR A MODIFIED SOURCE.  
 PERMIT NO. (REGION FILE NO.) PSD-LA-295  
 DETERMINATION MADE BY EPA REGION VI  
 (AGENCY)

JOHN BENHAM  
 (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 11/18/81  
 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 |
|----------------------------------|---------------------|-------------------|-----------------------------------------------------------|-------------------------|
|----------------------------------|---------------------|-------------------|-----------------------------------------------------------|-------------------------|

BOILER

760.00 MMBTU/H

|     |                      |      |
|-----|----------------------|------|
| NOX | 0.6900 LB/MMBTU COAL | BACT |
|     | 0.2000 LB/MMBTU GAS  |      |
| NOX | LOW EXCESS AIR       | BACT |
|     | 0.3000 LB/MMBTU OIL  |      |
| CO  | LOW EXCESS AIR       | BACT |
|     | 0.1500 LB/MMBTU      |      |
|     | EFFICIENT OPERATION  |      |

NOTES -----  
 CO EMISSION LIMITS WILL BE ADJUSTED BASED ON COMPLIANCE TESTING BY CO.

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

346.00 MMBTU/H

KRAFT PULP MILLS

SOURCE TYPE/SIZE---

RICEBORO, GA

COMPANY NAME/SITE LOCATION INTERSTATE PAPER CORP.

DATE OF PERMIT ISSUANCE-- 04/16/82  
ESTIMATED DATE OF START-UP-- 1984  
(404)-656-4867  
(PHONE)

DETERMINATION IS BACT FOR A MODIFIED SOURCE.  
PERMIT NO. 2631-089-8091  
DETERMINATION MADE BY GEORGIA EPD  
(AGENCY)

DAVID WEAVER  
(AGENCY CONTACT PERSON)

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

| BOILER | 346.00 MMBTU/H | PM  | 0.1000 LB/MMBTU | VENTURI SCRUBBER         | NSPS  |
|--------|----------------|-----|-----------------|--------------------------|-------|
|        |                | SO2 | 0.3000 LB/MMBTU | ALKALINE PACKED SCRUBBER | 92.00 |
|        |                | NOX | 0.3000 LB/MMBTU | FURNACE, BURNER DESIGN   | 50.00 |
|        |                |     |                 |                          | NSPS  |

NOTES -----

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.



# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- KRAFT PULP MILLS 1000.00 T/D

COMPANY NAME/SITE LOCATION KIRBY FOREST INDUSTRIES  
BON WIER, TX 75928  
NEWTON COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.  
PERMIT NO. TX-231  
DETERMINATION MADE BY EPA REGION VI  
(AGENCY)  
GEORGE KENNEDY  
(AGENCY CONTACT PERSON)  
DATE OF PERMIT ISSUANCE-- 08/14/80  
ESTIMATED DATE OF START-UP--  
(214)-767-2742  
(PHONE)

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

|                 |                |     |                                                                 |            |
|-----------------|----------------|-----|-----------------------------------------------------------------|------------|
| POWER BOILER    | 530.00 MMBTU/H | PM  | 53.0000 LB/H<br>0.0100 LB/MMBTU<br>MECHANICAL COLLECTOR         | NSPS       |
|                 |                | SO2 | 636.0000 LB/H<br>1.2000 LB/MMBTU                                | 99.50 NSPS |
|                 |                | NOX | 371.0000 LB/H<br>0.7000 LB/MMBTU<br>LOW S COAL, 1.2 LB/MMBTU    | NSPS       |
|                 |                | CO  | 3.1200 LB/H<br>0.0600 LB/MMBTU<br>LOW NOX BURN./CONTIN. 02 MON  | BACT       |
|                 |                |     | CONTIN. 02 MONITORING                                           |            |
| RECOVERY BOILER | 935.00 MMBTU/H | PM  | 83.4000 LB/H<br>0.0900 LB/MMBTU<br>WET BOTTOM ESP               | NSPS       |
|                 |                | SO2 | 434.0000 LB/H<br>0.4600 LB/MMBTU                                | 98.90 BACT |
|                 |                | NOX | 67.8000 LB/H<br>0.0730 LB/MMBTU<br>LOW NOX BURN./CONTIN. 02 MON | BACT       |
|                 |                | CO  | 82.6000 LB/H                                                    | BACT       |
|                 |                |     |                                                                 |            |

|        |                       |  |       |
|--------|-----------------------|--|-------|
| 0.0900 | LB/MMBTU              |  |       |
|        | CONTIN. 02 MONITORING |  |       |
| 6.1000 | LB/H                  |  | NSPS  |
| 0.0070 | LB/MMBTU              |  |       |
|        | CAUSTIC SCRUB. SYS    |  | 98.00 |

TRS

(CONTINUED) KIRBY FOREST INDUSTRIES

| PROCESSES SUBJECT<br>TO THIS PERMIT | THROUGHPUT<br>CAPACITY | POLLUTANT<br>EMITTED | EMISSION LIMITS<br>CONTROL EQUIPMENT OR PROCESS MODIFICATION | ... & BASIS<br>... PCT EFF |
|-------------------------------------|------------------------|----------------------|--------------------------------------------------------------|----------------------------|
| SMELT TANK                          | *46806.00 LB/D         | PM                   | 14.1000 LB/H<br>CAUSTIC SCRUB. SYS                           | NSPS<br>98.00              |
|                                     |                        | TRS                  | 1.2000 LB/H                                                  |                            |
| LIME KILN                           | 275.00 T/D CAO         | PM                   | 51.7000 LB/H<br>CAUSTIC SCRUB. SYS                           | NSPS<br>98.00<br>BACT      |
|                                     |                        | SO2                  | 86.7000 LB/H<br>L.S.F.O (.7% MAX)                            |                            |
|                                     |                        | NOX                  | 3.3000 LB/H<br>LEA FIRING                                    | BACT                       |
|                                     |                        | CO                   | 41.7000 LB/H<br>LEA FIRING                                   | BACT                       |
| SLAKER SCRUB                        | 275.00 T/D CAO         | TRS                  | 3.5000 LB/H                                                  | NSPS                       |
|                                     |                        | PM                   | 2.7000 LB/H<br>SCRUBBER                                      | BACT<br>99.50              |
| LIMESTONE RECEIVING                 | 220.00 T/2WKS          | PM                   | 0.2000 LB/H<br>CYCL. SEPERATOR & FAB. FILTER                 | BACT<br>99.00              |
| SALT CAKE RECEIVING                 | 490.00 T/2WKS          | PM                   | 0.2000 LB/H<br>CYCL. SEPERATOR & FAB. FILTER                 | BACT                       |
| RECHIPPER CYCLONE                   | 5000.00 CF/H           | PM                   | 7.5000 LB/H<br>CYCLONE                                       | BACT<br>95.00              |

NOTES -----

CONTROL OF FUGITIVE PART. EMISSIONS: 1) ALL CONVEYOR & TRANSFER POINTS IN MILL TOTALLY ENCLOSED, 2) COAL PILE - APPLICATION OF CHEMICAL & H2O STABILIZER BY MANUFACTURER'S RECOMMENDATION TO MINIMIZE PART. EMISSIONS, 3) COAL CAR UNLOADING - DRIVE THROUGH ENCLOSURE, 4) COAL CONVEYING - ENCLOSED SYSTEM, 5) COAL TRANSFER POINTS DESIGNED W/HOODS, COVERS OR CANOPIES AND WET SUPPRESSION SYSTEM (H2O AND CHEMICAL APPLIED IN ACCORDANCE WITH MANUFACTURER RECOMMENDATION TO MINIMIZE PART. EMISSIONS).

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- KRAFT PULP MILLS 650.00 T/D

COMPANY NAME/SITE LOCATION LEAP RIVER FOREST NEW AUGUSTA, MS PERRY COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE. DATE OF PERMIT ISSUANCE-- 03/14/80  
 PERMIT NO. MS 035 ESTIMATED DATE OF START-UP--  
 DETERMINATION MADE BY MISSISSIPPI DNR (601)-354-2550  
 (AGENCY) (AGENCY CONTACT PERSON) (PHONE)

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

RECOVERY BOILER

PM 0.0440 GR/DSCF DRY COLLECTION & SCRUBBER BACT  
 SO2 458.0000 LB/H BACT  
 300.0000 PPM  
 TRS 5.0000 PPM AT 8% FUEL CONTROL S CONTENT OF FUEL BACT  
 BOILER OPERATION

SMELT DISSOLVING TANK

PM 0.3000 LB/T ADP DRY COLLECTOR & SCRUBBER BACT  
 TRS 0.1680 LB/T BLS EQUIPMENT OPERATION NSPS

LIME KILN

PM 0.1300 GR/DSCF DRY COLLECTOR & SCRUBBER NSPS  
 TRS 8.0000 PPM EQUIPMENT OPERATION NSPS

BOILER, BARK & COAL FIRED 350000.00 LB/H

PM 0.1000 LB/MMBTU DRY COLLECTOR & SCRUB.(ALKA.) BACT  
 SO2 0.6300 LB/MMBTU CONTROL SULFUR CONTENT OF FUEL 99.00  
 90.00



# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- KRAFT PULP MILLS 2580.00 T/D ADP

COMPANY NAME/SITE LOCATION LONGVIEW FIBRE LONGVIEW, WA

DETERMINATION IS LAER FOR A MODIFIED SOURCE. DATE OF PERMIT ISSUANCE-- 11/12/80  
 PERMIT NO. DE 80-602 ESTIMATED DATE OF START-UP-- 1985  
 DETERMINATION MADE BY WASHINGTON DOE (206)-459-6032  
 (AGENCY) (AGENCY CONTACT PERSON) (PHONE)

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

|                            |                 |                          |                                          |       |
|----------------------------|-----------------|--------------------------|------------------------------------------|-------|
| KRAFT RECOVERY FURNACE #22 | 1100.00 T/D ADP | NOX                      | 45.8000 LB/H                             | BACT  |
|                            |                 | PM                       | 0.0400 GR/DSCF                           | 99.30 |
|                            |                 | VE                       | 25.0000 %, 6 MIN PERIOD                  | BACT  |
|                            |                 | CO                       | 91.7000 LB/H                             | BACT  |
|                            |                 | VOC                      | 45.8000 LB/H                             | BACT  |
|                            |                 | TRS                      | 5.0000 PPM                               | BACT  |
|                            |                 | NON-DIRECT CONTACT EVAP. |                                          |       |
|                            |                 | TRS                      | 0.0168 LB/T LIQUOR FIRED                 | BACT  |
|                            |                 | TRS                      | 8.0000 PPM                               | BACT  |
|                            |                 | PM                       | 0.0350 GR/DSCF GAS<br>0.0700 GR/DSCF OIL | 99.80 |
| SHELT TANK #22             | 1100.00 T/D ADP | TRS                      | 8.0000 PPM 12 H AV                       |       |
|                            |                 | VE                       | 25.0000 %, 6 MIN PERIOD                  |       |
| NEW DIGESTER & WASHERS     | 112000.00 T/YR  | PM                       | 0.0350 GR/DSCF GAS<br>0.0700 GR/DSCF OIL |       |
|                            |                 | TRS                      | 8.0000 PPM 12 H AV                       |       |
| LINE KILN                  |                 | VE                       | 25.0000 %, 6 MIN PERIOD                  |       |

NOTES -----

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- KRAFT PULP MILLS

COMPANY NAME/SITE LOCATION OLINKRAFT WEST MONROE, LA QUACHITA PARISH

DETERMINATION IS BACT FOR A NEW SOURCE.  
 PERMIT NO. (REGION FILE NO.) PSD-LA-037  
 DETERMINATION MADE BY EPA REGION VI  
 (AGENCY)  
 JOHN BUNYAK  
 (AGENCY CONTACT PERSON)  
 DATE OF PERMIT ISSUANCE-- 10/08/80  
 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 | 857.00 MMBTU/H | PM  | 0.1000 LB/MMBTU         | BACT |
|        |                |     | LOW ASH FUEL            |      |
|        |                | SO2 | 0.7300 LB/MMBTU         | BACT |
|        |                |     | LOW SULFUR FUEL (0.7 %) |      |

NOTES -----

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- KRAFT PULP MILLS 882.00 MMBTU/H

COMPANY NAME/SITE LOCATION PORT ST. JOE US HIGHWAY 98

PORT ST. JOE, FL 32452

GULF COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.

PERMIT NO. FL-075

DETERMINATION MADE BY FLORIDA DER (AGENCY)

ED PALAGYI (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 02/18/82

ESTIMATED DATE OF START-UP-- 1983

(904)-488-1344 (PHONE)

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

|                   |                |     |                         |       |
|-------------------|----------------|-----|-------------------------|-------|
| BOILER, OIL-FIRED | 756.00 MMBTU/H | PM  | 75.6000 LB/H            | NSPS  |
|                   |                |     | MULTICLONE-WET SCRUBBER | 98.60 |
|                   |                | SO2 | 604.8000 LB/H           | NSPS  |
|                   |                | NO2 | 226.8000 LB/H           | 95.00 |
|                   |                |     | WET SCRUBBER-CAUSTIC    | NSPS  |
|                   |                |     | EQUIPMENT OPERATION     |       |
|                   |                | CO  | 25.2000 LB/H            | NSPS  |
|                   |                |     | EQUIPMENT OPERATION     |       |
| BOILER, BARK      | 882.00 MMBTU/H | PM  | 88.2100 LB/H            | NSPS  |
|                   |                |     | MULTICLONE-WET SCRUBBER | 98.60 |
|                   |                | SO2 | 705.7000 LB/H           | NSPS  |
|                   |                | NO2 | 264.0000 LB/H           | 95.00 |
|                   |                |     | WET SCRUBBER-CAUSTIC    | NSPS  |
|                   |                |     | EQUIPMENT OPERATION     |       |
|                   |                | CO  | 25.2000 LB/H            | NSPS  |
|                   |                |     | EQUIPMENT OPERATION     |       |

NOTES -----

NSPS IS BACT

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.



# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE---

KRAFT PULP MILLS

90.00 T/H BLS

COMPANY NAME/SITE LOCATION

POTLATCH

LEWISTON, ID

DETERMINATION IS BACT FOR A NEW SOURCE.

PERMIT NO.

DATE OF PERMIT ISSUANCE-- 04/25/83

DETERMINATION MADE BY:

IDAHO AGB

ESTIMATED DATE OF START-UP-- 1986

(AGENCY)

CLINT AYER

(208)-334-5360

(PHONE)

(AGENCY CONTACT PERSON)

PROCESSES SUBJECT  
TO THIS PERMIT

THROUGHPUT  
CAPACITY

POLLUTANT  
EMITTED

EMISSION LIMITS  
CONTROL EQUIPMENT OR PROCESS MODIFICATION

... & BASIS  
... PCT EFF

SHELT TANK

90.00 T/H BLS

PM 11.4000 LB/H SEE NOTE 1  
WET SCRUBBER

RECOVERY BOILER

90.00 T/H BLS

PM 58.0000 LB/H SEE NOTE 2  
0.0300 GR/DSCF

SO2 450.0000 LB/H SEE NOTE 6  
200.0000 PPM

CO 1223.0000 LB/H

NOX 321.0000 LB/H SEE NOTE 3

99.70

## NOTES

NOTE 1 - VENDOR GUARANTEE, NOTE 2 - SPECIFIED BY POTLATCH TO MEET OFFSET REQUIREMENTS. 3.VENDOR GUARANTEES MAX. RATE. 4.BEST A  
VAILABLE GUARANTEE, STANDARD IS 70 F INSTEAD OF 32 F. 5.BACT APPARENTLY EQUAL TO LAER, DUE TO VENDOR  
RELUCTANCE TO GUARANTEE <0.03 GR/DSCF. 6.VENDORS GUARANTEE 250 - 300 PPM. STATE LIMIT IS 200 PPM (NSPS), OPERATING EXPERIENCE  
INDICATES LOWER BY FACTOR OF 10.

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- KRAFT PULP MILLS 45.80 T/H ADP

COMPANY NAME/SITE LOCATION SCOTT PAPER BAY BRIDGE ROAD, P.O. BOX 2447 MOBILE, AL 36601 MOBILE COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.  
 PERMIT NO. AL 068  
 DETERMINATION MADE BY ALABAMA APCD (AGENCY)  
 SUE ROBERTSON (AGENCY CONTACT PERSON)  
 DATE OF PERMIT ISSUANCE-- 01/15/81  
 ESTIMATED DATE OF START-UP-- (205)-830-6570  
 (PHONE)

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

|                                  |                 |     |                               |       |
|----------------------------------|-----------------|-----|-------------------------------|-------|
| WOODWASTE/COAL COMBUSTION (50% * | 980.00 MMBTU/H  | PM  | 0.1000 LB/MMBTU               | NSPS  |
|                                  |                 |     | ESP PLUS MULTICLONE           | 99.00 |
|                                  |                 | SO2 | 1014.0000 LB/H                | NSPS  |
|                                  |                 | NOX | FUEL S CONTENT                |       |
|                                  |                 |     | 0.7000 LB/MMBTU               | NSPS  |
|                                  |                 |     | EQUIPT. DESIGN & OPERATION    |       |
| RECOVERY BOILER                  | 1100.00 T/D ADP | PM  | 0.0440 GR/DSCF                | NSPS  |
|                                  |                 |     | ESP                           | 99.00 |
|                                  |                 | TRS | 5.0000 PPM                    | NSPS  |
|                                  |                 |     | EQUIPMENT OPERATION & CONTROL |       |
|                                  |                 | SO2 | 344.0000 LB/H                 | BACT  |
|                                  |                 |     | 1003.0000 T/YR                |       |
|                                  |                 |     | EQUIPMENT OPERATION & DESIGN  |       |
|                                  |                 | NOX | 242.0000 LB/H                 | BACT  |
|                                  |                 |     | 402.0000 T/YR                 |       |
|                                  |                 |     | EQUIPMENT OPERATION           |       |
|                                  |                 | CO  | 770.0000 LB/H                 | BACT  |
|                                  |                 |     | EQUIPMENT OPERATION           |       |

(CONTINUED) SCOTT PAPER

| PROCESSES SUBJECT<br>TO THIS PERMIT | THROUGHPUT<br>CAPACITY | POLLUTANT<br>EMITTED | EMISSION LIMITS<br>CONTROL EQUIPMENT OR PROCESS MODIFICATION | ... & BASIS<br>... PCT EFF |
|-------------------------------------|------------------------|----------------------|--------------------------------------------------------------|----------------------------|
| COAL PREP PLANT                     | 770.00 T/D             | PM                   | 20.0000 % OPACITY<br>ENCLOSURE                               | NSPS                       |
| SMELT TANK                          | 45.80 T/H              | PM                   | 0.2000 LB/T BLS<br>WET SCRUBBER                              | NSPS                       |
|                                     |                        | TRS                  | 0.0168 LB/T BLS<br>EQUIPMENT DESIGN                          | 88.00<br>NSPS              |
|                                     |                        | SO2                  | 4.6000 LB/H<br>BOILER OPERATION                              | BACT                       |
| EVAPORATORS                         |                        | TRS                  | 0.5000 SEC AT 1200 DEG. F<br>INCINERATION                    |                            |

NOTES -----

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

PAGE G- 925

ID NUMBER AL-0002

SOURCE TYPE CODE 10.1

# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- KRAFT PULP MILLS

COMPANY NAME/SITE LOCATION SIMPSON LEE PAPER CO.

ANDERSON, CA

SHASTA COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.  
PERMIT NO. (REGION FILE NO.) NSR-4-4-4 SAC-82-01  
DETERMINATION MADE BY EPA REGION IX  
(AGENCY)

MATT HABER  
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 09/15/82  
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 |
|----------------------------------|---------------------|-------------------|-----------------------------------------------------------|-------------------------|
|----------------------------------|---------------------|-------------------|-----------------------------------------------------------|-------------------------|

|                                 |          |     |                                                                             |      |
|---------------------------------|----------|-----|-----------------------------------------------------------------------------|------|
| GAS TURBINE & WASTE HEAT BOILER | 33.00 MW | NOX | 92.0000 LB/H ANNUAL AV                                                      | BACT |
|                                 |          | CO  | 100.0000 LB/H<br>H2O INJECT. & CONTINUOUS EMIS MONITOR<br>PROPER COMBUSTION | BACT |

NOTES -----  
CO LIMIT MAY BE ADJUSTED DOWNWARD FOLLOWING PERFORMANCE OF SOURCE TESTS.

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- KRAFT PULP MILLS 220.00 T/D

COMPANY NAME/SITE LOCATION SIMPSON LEE PAPER CO. ANDERSON, CA

DETERMINATION IS BACT FOR A NEW SOURCE. DATE OF PERMIT ISSUANCE-- 01/14/75  
 PERMIT NO. 74-PO-23 ESTIMATED DATE OF START-UP-- 1976  
 DETERMINATION MADE BY SHASTA COUNTY APCD RICHARD BOOTH  
 (AGENCY) (AGENCY CONTACT PERSON)  
 (PHONE)

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

RECOVERY BOILER 6000.00 GAL/H B.L. PM 0.1500 GR/DSCF ESP 99.00  
 SO2 NSPS  
 TRS NSPS  
 NOX  
 CO

NOTES -----

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- KRAFT PULP MILLS 220.00 T/D

COMPANY NAME/SITE LOCATION SIMPSON LEE PAPER CO. ANDERSON, CA

DETERMINATION IS BACT FOR A NEW SOURCE. DATE OF PERMIT ISSUANCE-- 06/07/82  
 PERMIT NO. 80-FO-17 ESTIMATED DATE OF START-UP-- 1982  
 DETERMINATION MADE BY SHASTA COUNTY APCD RICHARD BOOTH  
 (AGENCY) (AGENCY CONTACT PERSON) (916)-246-5674  
 (PHONE)

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

LIME KILN 10000.00 LB/H CACO3 PM 0.1500 GR/DSCF 95.00  
 VENTURI SCRUBBER  
 AT 10% CO2  
 NO2  
 CO

NOTES -----

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- KRAFT PULP MILLS

COMPANY NAME/SITE LOCATION ST REGIS PAPER CO.  
HWY 2A  
CONTONMENT, FL 32833  
ESCAMBIA COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.  
PERMIT NO. FL 066  
DETERMINATION MADE BY FLORIDA DER  
(AGENCY)  
BOB KING  
(AGENCY CONTACT PERSON)  
DATE OF PERMIT ISSUANCE-- 06/26/81  
ESTIMATED DATE OF START-UP-- 1982  
(904)-488-1344  
(PHONE)

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

|                           |                     |     |                                                       |  |               |
|---------------------------|---------------------|-----|-------------------------------------------------------|--|---------------|
| BARK-COAL BOILER, UNIT #4 | 546.00 MMBTU/H COAL | SO2 | 1.2000 LB/MMBTU<br>ALKALINE SCRUBBER                  |  | NSPS<br>82.00 |
| BARK-COAL BOILER, UNIT #3 | 268.00 MMBTU/H COAL | SO2 | 1.2000 LB/MMBTU<br>327.0000 LB/H<br>ALKALINE SCRUBBER |  | NSPS<br>82.00 |

NOTES -----  
CONVERTING FROM OIL TO COAL OIL GAS OR WOODWASTE. COAL PRIMARILY  
WHEN FIRING BARK, OIL, AND/OR GAS, UNIT 4 YIELDS 666 MMBTU/H.

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- KRAFT PULP MILLS

COMPANY NAME/SITE LOCATION ST REGIS PAPER CO.

CANTONMENT, FL

ESCAMBIA COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.

PERMIT NO. PSD-FL-041

DETERMINATION MADE BY FLORIDA DER

(AGENCY)

BOB KING

(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 06/26/81

ESTIMATED DATE OF START-UP-- 1982

(904)-488-1344

(PHONE)

PROCESSES SUBJECT  
TO THIS PERMIT

THROUGHPUT  
CAPACITY

POLLUTANT  
EMITTED

EMISSION LIMITS  
CONTROL EQUIPMENT OR PROCESS MODIFICATION

... & BASIS  
... PCT EFF

BARK FIRED BOILER

666.00 MMBTU/H

SO2

0.6400 LB/MMBTU

SCRUBBER

NSPS

20.00

PM

0.1000 LB/MMBTU

LOW SULFUR FUEL

NSPS

99.20

CYC. VENTURI & WET SCRUBBER

NOTES -----

SO2 LIMIT AT 100% OIL.

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

PAGE 6- 930

ID NUMBER FL-0004

SOURCE TYPE CODE 10.1



# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- KRAFT PULP MILLS 814.00 MMBTU/H

COMPANY NAME/SITE LOCATION ST REGIS PAPER CO. BUCKSPORT, ME

DETERMINATION IS BACT FOR A MODIFIED SOURCE.  
 PERMIT NO. DATE OF PERMIT ISSUANCE-- 03/10/82  
 DETERMINATION MADE BY MAINE DEP ESTIMATED DATE OF START-UP-- 1984  
 (AGENCY) ROBERT BALLEW (207)-289-2437  
 (AGENCY CONTACT PERSON) (PHONE)

| PROCESSES SUBJECT TO THIS PERMIT | THROUGHPUT CAPACITY | POLLUTANT EMITTED | EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION | ... & BASIS ... PCT EFF |
|----------------------------------|---------------------|-------------------|-----------------------------------------------------------|-------------------------|
| COAL & BIOMASS HANDLING          |                     | PM                | COVERED DELIVERY, CONVENING, STORAGE                      |                         |
| TEMP CONSTRUCTION ROADS          |                     | PM                | DUST SUPPRESSION                                          |                         |
| NEW ROADS                        |                     | PM                | PAVE & SWEEP                                              |                         |
| EXISTING ROADS & PARKING         |                     | PM                | SWEEP ALL PAVED ROADS                                     |                         |
| ADJACENT TOWN OF BUCKSPORT ROADS |                     |                   | COOPERATIVE VENTURE-TOWN & CO.                            |                         |

NOTES -----  
 BACT TECHNOLOGY BASED FOR PM FOR BOILERS, 0.06 LB/MMBTU WOULD HAVE BEEN REQUIRED EXCEPT FOR SLUDGE CONTAINING CLAY THAT PROMPTED THE HIGHER 0.08 VALUE.

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

814.00 MMBTU/H

KRAFT PULP MILLS

SOURCE TYPE/SIZE---

BUCKSPORT, ME

COMPANY NAME/SITE LOCATION ST. REGIS PAPER CO.

DATE OF PERMIT ISSUANCE-- 05/20/82  
ESTIMATED DATE OF START-UP--  
(207)-289-2437  
(PHONE)

JOHN CHANDLER  
(AGENCY CONTACT PERSON)

DETERMINATION IS BACT FOR A MODIFIED SOURCE.  
PERMIT NO. AEL-13-47  
DETERMINATION MADE BY MAINE DEP  
(AGENCY)

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

BOILER, BIOMASS FUEL 814.00 MMBTU/H

|     |                 |       |
|-----|-----------------|-------|
| PM  | 0.0800 LB/MMBTU | B/N   |
| SO2 | 1.2000 LB/MMBTU | 99.50 |
| NOX | 0.8% S COAL     | NSPS  |
|     |                 | NSPS  |

NOTES -----

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

PAGE 6- 932

ID NUMBER ME-0001

SOURCE TYPE CODE 10.1

# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- KRAFT PULP MILLS 2300.00 ADTP/D  
 COMPANY NAME/SITE LOCATION UNION CAMP CORP. PRATTVILLE, AL

DETERMINATION IS BACT FOR A MODIFIED SOURCE.  
 PERMIT NO. 201-0001-X008.0011 \* DATE OF PERMIT ISSUANCE-- 11/15/77  
 DETERMINATION MADE BY ALABAMA DEM ESTIMATED DATE OF START-UP-- 1980  
 (AGENCY) SUE ROBERTSON (205)-834-6570  
 (AGENCY CONTACT PERSON) (PHONE)

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

|                              |                |     |                     |       |
|------------------------------|----------------|-----|---------------------|-------|
| GENERATOR, FOSSIL FUEL STEAM | 534.00 MMBTU/H | PM  | 0.1000 LB/MMBTU ESP | 99.70 |
|                              |                | SO2 | 1.2000 LB/MMBTU     |       |
|                              |                | NOX | 0.7000 LB/MMBTU     |       |
|                              |                | CO  |                     |       |

|                       |                |     |                                     |       |
|-----------------------|----------------|-----|-------------------------------------|-------|
| NO. 2 RECOVERY BOILER | 1340.00 ADTP/D | PM  | 0.0440 GR/DSCF AT 8% O2 ESP         | 99.81 |
|                       |                | TRS | 5.0000 PPM AT 8% O2 LOW ODOR BOILER |       |
|                       |                | SO2 |                                     |       |
|                       |                | NOX |                                     |       |
|                       |                | CO  |                                     |       |

|                              |                |     |                              |  |
|------------------------------|----------------|-----|------------------------------|--|
| NO. 2 SMELT DISSOLVING TANKS | 1344.00 ADTP/D | PM  | 0.2000 LB/T BLS WET SCRUBBER |  |
|                              |                | TRS | 0.0168 LB/T BLS              |  |
|                              |                | SO2 |                              |  |

(CONTINUED) UNION CAMP CORP.

| PROCESSES SUBJECT<br>TO THIS PERMIT | THROUGHPUT<br>CAPACITY | POLLUTANT<br>EMITTED | EMISSION LIMITS<br>CONTROL EQUIPMENT OR PROCESS MODIFICATION | ... & BASIS<br>... PCT EFF |
|-------------------------------------|------------------------|----------------------|--------------------------------------------------------------|----------------------------|
| NO. 2 LIME KILN                     | 1460.00 ADTP/D         | PM                   | 0.0670 GR/DSCF AT 10% O2, GAS                                |                            |
|                                     |                        |                      | 0.1300 GR/DSCF AT 10% O2,FUEL OIL                            |                            |
|                                     |                        |                      | VENTURI WET SCRUBBER                                         |                            |
|                                     |                        | SO2                  |                                                              |                            |
|                                     |                        | NOX                  |                                                              |                            |
|                                     |                        | CO                   |                                                              |                            |
| EVAPORATORS                         |                        | TRS                  | 8.0000 PPM AT 10% O2                                         |                            |
|                                     |                        | TRS                  | 0.5000 SEC AT LEAST 1200 F                                   |                            |
|                                     |                        |                      | INCINERATION                                                 |                            |
| DIGESTER                            |                        | TRS                  | 0.5000 SEC AT LEAST 1200 F                                   |                            |
|                                     |                        |                      | INCINERATION                                                 |                            |
| BROWN SET WASHER                    |                        | TRS                  | 0.5000 SEC AT LEAST 1200 F                                   |                            |
|                                     |                        |                      | INCINERATION                                                 |                            |
| COAL PREP                           | 390.00 T/H             | FUG*                 |                                                              | NSPS                       |
|                                     |                        |                      | WET SUPPRESSION                                              |                            |

NOTES -----

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- KRAFT PULP MILLS 2250.00 T/D  
 COMPANY NAME/SITE LOCATION UNION CAMP CORP. EASTOVER, SC

DETERMINATION IS BACT FOR A NEW SOURCE. DATE OF PERMIT ISSUANCE-- 02/25/82  
 PERMIT NO. (REGION FILE NO.) P/C-40-128 ESTIMATED DATE OF START-UP-- 1992  
 DETERMINATION MADE BY SOUTH CAROLINA DHEC (803)-758-5406  
 (AGENCY) (PHONE)  
 DAVID FLEMING  
 (AGENCY CONTACT PERSON)

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

| PROCESSES SUBJECT TO THIS PERMIT | THROUGHPUT CAPACITY | POLLUTANT EMISSION | EMISSION LIMITS   | CONTROL EQUIPMENT OR PROCESS MODIFICATION | ... & BASIS ... PCT EFF |
|----------------------------------|---------------------|--------------------|-------------------|-------------------------------------------|-------------------------|
| BOILERS, COAL/WOODWASTE          | 495.00 MMBTU/H      | PM                 | 0.1000 LB/MMBTU   | ESP                                       | 99.98                   |
|                                  |                     | SO2                | 1.2000 LB/MMBTU   | LOW SULFUR COAL                           |                         |
|                                  |                     | NOX                | 0.7000 LB/MMBTU   |                                           |                         |
|                                  |                     | CO                 | 0.1100 LB/MMBTU   |                                           |                         |
|                                  |                     | VE                 | 20.0000 % OPACITY |                                           |                         |
| BOILERS, COAL/WOODWASTE          | 581.00 MMBTU/H      | PM                 | 0.1000 LB/MMBTU   | ESP                                       | 99.98                   |
|                                  |                     | SO2                | 1.2000 LB/MMBTU   | LOW SULFUR COAL                           |                         |
|                                  |                     | NOX                | 0.7000 LB/MMBTU   |                                           |                         |
|                                  |                     | CO                 | 0.1100 LB/MMBTU   |                                           |                         |
|                                  |                     | VE                 | 20.0000 % OPACITY |                                           |                         |
| BOILERS, COAL/WOODWASTE          | 660.00 MMBTU/H      | PM                 | 0.1000 LB/MMBTU   | ESP                                       | 99.98                   |
|                                  |                     | SO2                | 1.2000 LB/MMBTU   | LOW SULFUR COAL                           |                         |
|                                  |                     | NOX                | 0.7000 LB/MMBTU   |                                           |                         |
|                                  |                     | CO                 | 0.1100 LB/MMBTU   |                                           |                         |
|                                  |                     | VE                 | 20.0000 % OPACITY |                                           |                         |

| (CONTINUED) UNION CAMP CORP.        |                        |                      |                                                              |     | ... & BASIS |     |  |
|-------------------------------------|------------------------|----------------------|--------------------------------------------------------------|-----|-------------|-----|--|
| PROCESSES SUBJECT<br>TO THIS PERMIT | THROUGHPUT<br>CAPACITY | POLLUTANT<br>EMITTED | EMISSION LIMITS<br>CONTROL EQUIPMENT OR PROCESS MODIFICATION | ... | PCT         | EFF |  |
| KRAFT RECOVERY BOILER               | 2.30 MM LB/D BLS       | PM                   | 0.0440 GR/DSCF<br>ESP<br>AT 8% O2                            |     |             |     |  |
|                                     |                        | SO2                  | 230.0000 PPMV DRY T                                          |     |             |     |  |
|                                     |                        | NOX                  | 210.0000 PPMV DRY T                                          |     |             |     |  |
|                                     |                        | CO                   | 2.0000 LB/T ADP                                              |     |             |     |  |
|                                     |                        | TRS                  | 5.0000 PPMV DRY T<br>AT 8% O2                                |     |             |     |  |
| KRAFT RECOVERY BOILER               | 2.60 MM LB/D BLS       | PM                   | 0.0440 GR/DSCF<br>ESP<br>AT 8% O2                            |     |             |     |  |
|                                     |                        | SO2                  | 230.0000 PPMV DRY T                                          |     |             |     |  |
|                                     |                        | NOX                  | 210.0000 PPMV DRY T                                          |     |             |     |  |
|                                     |                        | CO                   | 2.0000 LB/T ADP                                              |     |             |     |  |
|                                     |                        | TRS                  | 5.0000 PPMV DRY T<br>AT 8% O2                                |     |             |     |  |
| KRAFT RECOVERY BOILER               | 2.90 MM LB/D BLS       | PM                   | 0.0440 GR/DSCF<br>ESP<br>AT 8% O2                            |     |             |     |  |
|                                     |                        | SO2                  | 230.0000 PPMV DRY T                                          |     |             |     |  |
|                                     |                        | NOX                  | 210.0000 PPMV DRY T                                          |     |             |     |  |
|                                     |                        | CO                   | 2.0000 LB/T ADP                                              |     |             |     |  |
|                                     |                        | TRS                  | 5.0000 PPMV DRY T<br>AT 8% O2                                |     |             |     |  |
| LIME KILN                           | 205.00 T/D (SEE NO*)   | PM                   | 0.1300 GR/DSCF<br>WET SCRUBBER<br>AT 10% O2                  |     |             |     |  |
|                                     |                        | SO2                  | 0.2000 LB/T ADP                                              |     |             |     |  |
|                                     |                        | NOX                  | 0.8500 LB/MMBTU                                              |     |             |     |  |
|                                     |                        | CO                   | 8.0000 PPMV DRY T<br>AT 10% O2                               |     |             |     |  |
|                                     |                        | TRS                  | 10.0000 LB/T ADP                                             |     |             |     |  |

(CONTINUED) UNION CAMP CORP.

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

|           |                      |     |                                             |  |
|-----------|----------------------|-----|---------------------------------------------|--|
| LIME KILN | 230.00 T/D (SEE NO*) | PM  | 0.1300 GR/DSCF<br>WET SCRUBBER<br>AT 10% O2 |  |
|           |                      | SO2 | 0.2000 LB/T ADP                             |  |
|           |                      | NOX | 0.8500 LB/MMBTU                             |  |
|           |                      | CO  | 8.0000 PPMV DRY T                           |  |
|           |                      | TRS | AT 10% O2                                   |  |
|           |                      |     | 10.0000 LB/T ADP                            |  |
| LIME KILN | 255.00 T/D (SEE NO*) | PM  | 0.1300 GR/DSCF<br>WET SCRUBBER<br>AT 10% O2 |  |
|           |                      | SO2 | 0.2000 LB/T ADP                             |  |
|           |                      | NOX | 0.8500 LB/MMBTU                             |  |
|           |                      | CO  | 8.0000 PPMV DRY T                           |  |
|           |                      | TRS | AT 10% O2                                   |  |
|           |                      |     | 10.0000 LB/T ADP                            |  |

NOTES -----  
THIS DETERMINATION ALSO APPLIES TO PERMIT NUMBERS P/C-40-131, P/C-40-132, P/C-40-134, AND P/C-40-136. LIME KILN UNITS- T/D OF R  
EBURNED LIME AS 85% COAL.

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.  
===== ID NUMBER SC-0014 SOURCE TYPE CODE 10.1 =====  
PAGE G- 937

# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- KRAFT PULP MILLS 540.00 T/H  
 COMPANY NAME/SITE LOCATION WESTERN KRAFT P.O. BOX 130 HAWESVILLE, KY 42348 HANCOCK COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE. DATE OF PERMIT ISSUANCE-- 12/03/80  
 PERMIT NO. KY-162 ESTIMATED DATE OF START-UP--  
 DETERMINATION MADE BY KENTUCKY DAPC (502)-564-3382  
 (AGENCY) (PHONE)  
 BILL DILLS  
 (AGENCY CONTACT PERSON)

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

FURNACE 540.00 T/H PH 0.0400 LB/MMBTU ESP BACT 99.50

NOTES -----

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.



# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- KRAFT PULP MILLS 1500.00 T/D ADP

COMPANY NAME/SITE LOCATION WESTVACO CORP. NORTH CHARLESTON, SC 29406 CHARLESTON COUNTY  
P.O. BOX 5207

DETERMINATION IS BACT FOR A NEW SOURCE. DATE OF PERMIT ISSUANCE-- 02/24/81  
PERMIT NO. SC-037 ESTIMATED DATE OF START-UP--  
DETERMINATION MADE BY SOUTH CAROLINA DHEC (803)-758-5406  
(AGENCY) (AGENCY CONTACT PERSON) (PHONE)

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

|                     |                    |     |                 |      |
|---------------------|--------------------|-----|-----------------|------|
| #10 RECOVERY BOILER | 187500.00 LB/H BLS | SO2 | 250.0000 PPM    | BACT |
|                     |                    | NOX | 0.2500 LB/HBTU  | BACT |
|                     |                    | PM  | 0.0270 GR/DSCF  | BACT |
|                     |                    | TRS | 0.0168 LB/T BLS | NSPS |
| POWER BOILER (COAL) | 1207.00 MMBTU/H    | PM  | 0.1000 LB/HBTU  | NSPS |
|                     |                    | SO2 | 1.2000 LB/HBTU  | NSPS |
|                     |                    | NOX | 0.7000 LB/HBTU  | NSPS |

NOTES -----  
TSP, TRS, CO AND HC NOT SUBJECT TO PSD. THE NEW BOILER IS A REPLACEMENT FOR 3 EXISTING BOILERS

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.  
PAGE G- 939 ID NUMBER SC-0003 SOURCE TYPE CODE 10.1

# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- KRAFT PULP MILLS 600.00 ADT

COMPANY NAME/SITE LOCATION WESTVACO CORP. - FIVE PAPERS DIV. WICKLIFFE, KY  
P.O. BOX 278

DETERMINATION IS BACT FOR A MODIFIED SOURCE. DATE OF PERMIT ISSUANCE-- 03/30/78  
PERMIT NO. C-77-123 ESTIMATED DATE OF START-UP-- 1979  
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 |
|----------------------------------|---------------------|-------------------|-----------------------------------------------------------|-------------------------|
|----------------------------------|---------------------|-------------------|-----------------------------------------------------------|-------------------------|

|                      |                |                                   |                                                         |            |
|----------------------|----------------|-----------------------------------|---------------------------------------------------------|------------|
| BOILER, BARK         | 463.00 MMBTU/H | PM                                | 0.1000 LB/MMBTU<br>46.3000 LB/H                         | BACT       |
|                      |                | SO2                               | ESP, MULTILE CYCLONE                                    | 99.80 BACT |
|                      |                |                                   | 1.2000 LB/MMBTU SEE NOTE #1                             |            |
|                      |                |                                   | 469.6000 LB/H                                           |            |
|                      |                | NOX                               | 0.3000 LB/MMBTU LIQ. FUEL<br>0.7000 LB/MMBTU SOLID FUEL | N/B        |
| FUEL HANDLING SYSTEM |                | COMBUSTION CONTROL, SEE NOTE #2   | 45.00                                                   |            |
|                      | PM             | 20.0000 LB/H<br>HANDLING CONTROLS | 90.00                                                   |            |

NOTES -----  
HEAT INPUT RATE VARIES DEPENDING ON FUEL TYPE. NOTE #1-0.8 LB/MMBTU ALLOWABLE SO2 WHEN FIRING FUEL OIL ONLY. NOTE #2- 2 STAGE COMBUSTION. ESP DATA REPLACED UNDER C-79-144.



|     |              |                     |      |
|-----|--------------|---------------------|------|
| NOX | 100.0000 PPM | EQUIPMENT OPERATION | BACT |
| TRS | 8.0000 PPM   | EQUIPMENT OPERATION | NSPS |

(CONTINUED) WEYERHAEUSER CO.

| PROCESSES SUBJECT<br>TO THIS PERMIT | THROUGHPUT<br>CAPACITY | POLLUTANT<br>EMITTED | EMISSION LIMITS<br>CONTROL EQUIPMENT OR PROCESS MODIFICATION | ... & BASIS<br>... PCT EFF |
|-------------------------------------|------------------------|----------------------|--------------------------------------------------------------|----------------------------|
| SMELT TANK                          | 75.00 T/H OF MOLT*     | PM                   | 0.2000 LB/T BLS<br>WET SCRUBBER                              | NSPS<br>85.00<br>BACT      |
|                                     |                        | SO2                  | 50.0000 PPM<br>EQUIPMENT OPERATION                           |                            |
|                                     |                        | TRS                  | 0.0168 LB/T BLS<br>EQUIPMENT OPERATION                       | NSPS                       |

NOTES -----  
THERMO MECHANICAL PULP MILL - 185 T/D. KRAFT PULP MILL - 1200 T/D.

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- KRAFT PULP MILLS 120000.00 T/YR  
 COMPANY NAME/SITE LOCATION WILLIAMETTE INDUSTRIES, INC., CORRUGATE\* HAWESVILLE, KY 42348 HANCOCK COUNTY  
 P.O. BOX 130

DETERMINATION IS BACT FOR A MODIFIED SOURCE. DATE OF PERMIT ISSUANCE-- 04/30/80  
 PERMIT NO. C-80-24 ESTIMATED DATE OF START-UP-- 1981  
 DETERMINATION MADE BY KENTUCKY DAPC (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 |
|----------------------------------|---------------------|-------------------|-----------------------------------------------------------|-------------------------|
|----------------------------------|---------------------|-------------------|-----------------------------------------------------------|-------------------------|

|                   |                  |     |                                    |       |
|-------------------|------------------|-----|------------------------------------|-------|
| WOOD WASTE BOILER | 450.00 MMBTU/H   | SO2 | 0.3150 LB/MMBTU LOW S FUEL         | BACT  |
|                   |                  | NOX | 0.7000 LB/MMBTU NOTE#1             | BACT  |
|                   |                  | PM  | 0.0400 LB/MMBTU COMBUSTION CONTROL | BACT  |
|                   |                  |     | MULTICLONE/VENTURI                 | 99.30 |
| LIME KILN         | 175.00 T/D PROD. | SO2 | 5.0300 LB/H                        | BACT  |
|                   |                  | PM  | 0.1500 GR/DSCF VENTURI             | BACT  |
|                   |                  |     |                                    | 99.20 |

NOTES -----  
 FORMERLY WESCOR CORP. NOTE #1 - ALLOWABLE = 0.2 LB/MMBTU IF GAS/WOOD COMBUSTION USED

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE---

WOOD PULPING (OTHER THAN KRAFT)

400.00 MBTU/H

COMPANY NAME/SITE LOCATION AUGUSTA NEWSPRINT CO.

AUGUSTA, GA

DETERMINATION IS BACT FOR A NEW SOURCE.  
PERMIT NO. 2621-121-8497  
DETERMINATION MADE BY GEORGIA EPD  
(AGENCY)

DATE OF PERMIT ISSUANCE-- 10/04/82  
ESTIMATED DATE OF START-UP-- 1983  
(404)-656-4867  
(PHONE)

DAVID WEAVER  
(AGENCY CONTACT PERSON)

PROCESSES SUBJECT  
TO THIS PERMIT

THROUGHPUT  
CAPACITY

POLLUTANT  
EMITTED

EMISSION LIMITS  
CONTROL EQUIPMENT OR PROCESS MODIFICATION

... & BASIS  
... PCT EFF

BOILER

400.00 MBTU/H

PM

0.1000 LB/MBTU

NSPS

VENTURI SCRUBBER

97.60

SO2

0.8000 LB/MBTU

298.0000 LB/H

NOX

0.3000 LB/MBTU BARK/OIL

0.2000 LB/MBTU BARK/GAS

FURNACE, BURNER DESIGN

20.00

NSPS

NOTES

UPPER LIMIT ON SO2 NEEDED TO PROTECT CLASS II INCREMENT.

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

PAGE G- 945

ID NUMBER GA-0014

SOURCE TYPE CODE 10.2

# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- WOOD PULPING (OTHER THAN KRAFT)

COMPANY NAME/SITE LOCATION BEAR ISLAND PAPER CO.

ASHLAND, VA

DETERMINATION IS BACT FOR A MODIFIED SOURCE.

PERMIT NO. 50840

DETERMINATION MADE BY VIRGINIA APCB

(AGENCY)

PAUL PITTS

(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 09/28/82

ESTIMATED DATE OF START-UP--

(804)-786-4867

(PHONE)

PROCESSES SUBJECT  
TO THIS PERMIT

THROUGHPUT  
CAPACITY

POLLUTANT  
EMITTED

EMISSION LIMITS  
CONTROL EQUIPMENT OR PROCESS MODIFICATION

... & BASIS  
... PCT EFF

BOILER, WOOD/COAL FUEL

469.00 MBTU/H

PM

205.0000 T/YR WOOD FUEL

174.0000 T/YR COAL FUEL

CYCLONE & ESP

1638.0000 T/YR WOOD FUEL

2092.0000 T/YR COAL FUEL

0.7 % SULFUR COAL

1210.0000 T/YR WOOD FUEL

1210.0000 T/YR COAL FUEL

NSPS

99.00

NSPS

NSPS

NOTES -----

PM LIMIT BURNING WOOD & COAL TOGETHER IS 0.1 LB/MBTU INPUT. SIMILAR LIMIT FOR SO2 IS 1.2 LB/MBTU. THE LIMIT FOR NOX IS 0.7 L B/MBTU.

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

PAGE 6- 946

ID NUMBER VA-0022

SOURCE TYPE CODE 10.2



# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- WOOD PULPING (OTHER THAN KRAFT) 150000.00 LB/H

COMPANY NAME/SITE LOCATION FLAMBEAU PAPER CORP. PARK FALLS, WI

DETERMINATION IS B/L FOR A MODIFIED SOURCE. DATE OF PERMIT ISSUANCE-- 04/28/81  
 PERMIT NO. MAA-10-CAB-81-51-026 ESTIMATED DATE OF START-UP-- 1983  
 DETERMINATION MADE BY WISCONSIN DNR (608)-266-0244  
 (AGENCY) (AGENCY) (PHONE)  
 EMILIA ESTRADA  
 (AGENCY CONTACT PERSON)

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

|                           |                |     |                                                                                    |       |
|---------------------------|----------------|-----|------------------------------------------------------------------------------------|-------|
| 80/20 WOOD/COAL BOILER    | 249.00 MMBTU/H | SO2 | 1.2000 LB/MMBTU<br>0.78 % S. MAX                                                   | LAER  |
|                           |                | NOX | 0.7000 LB/MMBTU<br>BURNER MODIFICATION                                             | BACT  |
|                           |                | PM  | 0.0800 LB/MMBTU WOOD/COAL<br>0.1000 LB/MMBTU COAL<br>MULTICYCLONE & VENTURI SCRUB. | BACT  |
| COAL PREP. HOUSE, STACK   |                | PM  | 0.1000 LB/MLB EXHAUST GAS<br>BAGHOUSE                                              | 99.00 |
| COAL BUNKER STACK         |                | PM  | 0.1000 LB/MLB EXHAUST GAS<br>BAGHOUSE                                              | BACT  |
| WOOD PREP. BUILDING STACK |                | PM  | 0.1000 LB/MLB EXHAUST GAS<br>BAGHOUSE                                              | 99.70 |
| WOOD STORAGE BIN STACK    |                | PM  | 0.2000 LB/MLB EXHAUST GAS<br>BAGHOUSE                                              | BACT  |
|                           |                | PM  | 0.2000 LB/MLB EXHAUST GAS<br>BAGHOUSE                                              | 99.70 |
|                           |                | PM  | 0.2000 LB/MLB EXHAUST GAS<br>BAGHOUSE                                              | BACT  |
|                           |                | PM  | 0.2000 LB/MLB EXHAUST GAS<br>BAGHOUSE                                              | 99.70 |

NOTES -----  
 MAJOR MODIFICATION SUBJECT TO PSD, BACT REQUIRED. DUE TO SO2 PROBLEM IN AREA, LAER IS REQUIRED FOR SO2. BOILER IS A MAJOR ATTA

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

PAGE 6- 947 ID NUMBER WI-0001 SOURCE TYPE CODE 10.2

IMENT AREA NOX SOURCE AND BACT IS APPLIED FOR NOX.

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

PAGE 6- 948

ID NUMBER WI-0001

SOURCE TYPE CODE 10.2

# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- WOOD PULPING (OTHER THAN KRAFT)

COMPANY NAME/SITE LOCATION FORT HOWARD PAPER CO.

MUSKOGEE, OK

MUSKOGEE COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.  
 PERMIT NO. (REGION FILE NO.) PSD-OK-404  
 DETERMINATION MADE BY EPA REGION VI  
 (AGENCY)

BILL TAYLOR  
 (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 10/21/81  
 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 |
|----------------------------------|---------------------|-------------------|-----------------|-------------------------------------------|-------------------------|
|----------------------------------|---------------------|-------------------|-----------------|-------------------------------------------|-------------------------|

|               |                |     |                                             |                      |      |
|---------------|----------------|-----|---------------------------------------------|----------------------|------|
| PAPER MACHINE | 48.00 MMBTU/H  | NOX | 0.3000 LB/MMBTU OIL<br>0.1200 LB/MMBTU GAS  | LOW NOX BURNERS      | BACT |
|               |                | CO  | 0.0350 LB/MMBTU OIL<br>0.0170 LB/MMBTU GAS  | EFFICIENT OPERATION  | BACT |
|               |                | SO2 | 0.3650 LB/MMBTU OIL<br>0.0002 LB/MMBTU GAS  | LOW SULFUR OIL       | BACT |
|               |                | PM  | 0.0150 LB/MMBTU OIL<br>0.0060 LB/MMBTU GAS  | NORMAL OPERATION     | BACT |
|               |                | VOC | 0.0080 LB/MMBTU OIL<br>0.0040 LB/MMBTU GAS  | EFFICIENT OPERATION. | BACT |
|               |                | NOX | 0.7000 LB/MMBTU COAL<br>0.3000 LB/MMBTU OIL | LOW NOX BURNERS      | BACT |
|               |                | NOX | 0.2000 LB/MMBTU GAS                         |                      | BACT |
|               |                | CO  | 0.0600 LB/MMBTU COAL<br>0.0340 LB/MMBTU OIL |                      | BACT |
|               |                | NOX | 0.7000 LB/MMBTU COAL<br>0.3000 LB/MMBTU OIL | LOW NOX BURNERS      | BACT |
|               |                | CO  | 0.0600 LB/MMBTU COAL<br>0.0340 LB/MMBTU OIL |                      | BACT |
| BOILER        | 557.00 MMBTU/H |     |                                             |                      |      |

|     |        |                       |       |
|-----|--------|-----------------------|-------|
|     |        | EFFICIENT OPERATION   |       |
| CO  | 0.0170 | LB/MMBTU GAS          | BACT  |
| S02 | 1.2000 | LB/MMBTU COAL         | BACT  |
|     | 0.7340 | LB/MMBTU OIL          |       |
|     |        | LOW SULFUR OIL & COAL |       |
| S02 | 0.0010 | LB/MMBTU GAS          | BACT  |
| PM  | 0.1000 | LB/MMBTU COAL         | BACT  |
|     | 0.0680 | LB/MMBTU OIL          | 99.20 |
|     |        | BAGHOUSE              | BACT  |
| PM  | 0.0050 | LB/MMBTU GAS          |       |
| VOC | 0.0170 | LB/MMBTU GAS          |       |
|     | 0.0070 | LB/MMBTU OIL          |       |
|     |        | EFFICIENT OPERATION   |       |
| VOC | 0.0030 | LB/MMBTU GAS          |       |

NOTES -----

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

PAGE G- 950

ID NUMBER OK-0004

SOURCE TYPE CODE 10.2

# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- WOOD PULPING (OTHER THAN KRAFT)

COMPANY NAME/SITE LOCATION FORT HOWARD PAPER CO.  
HAROLD ABITZ DRIVE

MUSKOGEE, OK 54305

MUSKOGEE COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.  
PERMIT NO. (REGION FILE NO.) PSD-OK-375  
DETERMINATION MADE BY EPA REGION VI  
(AGENCY)

DATE OF PERMIT ISSUANCE-- 10/21/81  
ESTIMATED DATE OF START-UP--  
(214)-767-1594  
(PHONE)

JOHN BUHAK  
(AGENCY CONTACT PERSON)

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

TURBINE

400.00 MMBTU/H

|     |        |                 |      |
|-----|--------|-----------------|------|
| NOX | 0.2000 | LB/MMBTU N. GAS | BACT |
| PM  | 0.1100 | LB/MMBTU N. GAS | BACT |
| SO2 | 0.0003 | LB/MMBTU N. GAS | BACT |
| VOC | 0.1200 | LB/MMBTU N. GAS | BACT |
| CO  | 0.6800 | LB/MMBTU N. GAS | BACT |
| NOX | 0.2800 | LB/MMBTU #2 OIL | BACT |
| PM  | 0.1100 | LB/MMBTU #2 OIL | BACT |
| SO2 | 0.7500 | LB/MMBTU #2 OIL | BACT |
| VOC | 0.0300 | LB/MMBTU #2 OIL | BACT |
| CO  | 0.7500 | LB/MMBTU #2 OIL | BACT |

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

NOTES -----

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

PAGE G- 952

ID NUMBER OK-0005

SOURCE TYPE CODE 10.2

# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- WOOD PULPING (OTHER THAN KRAFT)

COMPANY NAME/SITE LOCATION MACHILLAN BLOEDAL  
ALABAMA HWY 10

PINE HILL, AL 36769

WILCOX COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.

PERMIT NO. AL-063

DETERMINATION MADE BY ALABAMA APCD  
(AGENCY)

SUE ROBERTSON  
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 04/30/80  
ESTIMATED DATE OF START-UP--  
(205)-834-6570  
(PHONE)

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

RECOVERY BOILER 960.00 MMBTU/H

|     |            |                     |       |
|-----|------------|---------------------|-------|
| PM  | 0.0440     | GR/SDCF AT 8% O2    | NSPS  |
|     |            | ESP                 | 99.00 |
| SO2 | 2339.0000  | T/YR                | NSPS  |
|     |            | BOILER DESIGN       |       |
| CO  | 12325.0000 | T/YR                | NSPS  |
|     |            | EQUIPMENT OPERATION |       |
| NOX | 902.0000   | T/YR                | NSPS  |
|     |            | EQUIPMENT OPERATION |       |
| TRS | 5.0000     | PPM AT 8% O2        | NSPS  |
|     |            | EQUIPMENT OPERATION |       |

POWER BOILER 770.00 MMBTU/H

|     |          |                     |       |
|-----|----------|---------------------|-------|
| PM  | 0.1000   | LB/MMBTU            | NSPS  |
|     |          | ESP                 | 99.00 |
| SO2 | 1.2000   | LB/MMBTU            | NSPS  |
|     |          | BOILER DESIGN       |       |
| CO  | 114.0000 | LB/H                | NSPS  |
|     |          | EQUIPMENT OPERATION |       |
| NOX | 0.7000   | LB/MMBTU            | NSPS  |
|     |          | EQUIPMENT OPERATION |       |

(CONTINUED) MACMILLAN BLOEDAL

| PROCESSES SUBJECT<br>TO THIS PERMIT | THROUGHPUT<br>CAPACITY | POLLUTANT<br>EMITTED | EMISSION LIMITS<br>CONTROL EQUIPMENT OR PROCESS MODIFICATION | ... & BASIS<br>... PCT EFF |
|-------------------------------------|------------------------|----------------------|--------------------------------------------------------------|----------------------------|
| SNELL TANK                          | 87.00 T/H BLS          | PM                   | 0.2000 LB/T BLS<br>SCRUBBER                                  | NSPS<br>96.00<br>NSPS      |
|                                     |                        | SO2                  | 41.0000 T/YR                                                 | NSPS                       |
|                                     |                        | TRS                  | 0.0168 LB/T BLS<br>EQUIPMENT OPERATION                       | NSPS                       |
| DIGESTERS                           |                        | TRS                  | 0.5000 SEC AT 1200 F<br>INCINERATION                         |                            |
| EVAPORATORS                         |                        | TRS                  | 0.5000 SEC AT 1200 F<br>INCINERATION                         |                            |
| WASHERS                             |                        | TRS                  | 0.5000 SEC AT 1200 F<br>INCINERATION                         |                            |

NOTES -----

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.



# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- WOOD PULPING (OTHER THAN KRAFT)

COMPANY NAME/SITE LOCATION SUNBELT FOREST PRODUCTS CORP.

BOLIGEE, AL

GREENE COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.  
PERMIT NO. PSD-AL-073  
DETERMINATION MADE BY ALABAMA APCD  
(AGENCY)

SUE ROBERTSON  
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 04/20/81  
ESTIMATED DATE OF START-UP-- 1983  
(205)-834-6570  
(PHONE)

PROCESSES SUBJECT  
TO THIS PERMIT

POLLUTANT  
EMITTED

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

BOILER, COAL, UNIT#2

470.00 MMBTU/H

|     |        |          |                              |      |
|-----|--------|----------|------------------------------|------|
| PM  | 0.1000 | LB/MMBTU | MULTICLONE & SCRUBBER        | NSPS |
| SO2 | 1.2000 | LB/MMBTU | CAUSTIC SCRUBBER             | NSPS |
| NOX | 0.7000 | LB/MMBTU | EQUIPMENT DESIGN & OPERATION | NSPS |

BOILER, COAL, UNIT#3

250.00 MMBTU/H

|     |        |          |                              |      |
|-----|--------|----------|------------------------------|------|
| PM  | 0.1000 | LB/MMBTU | MULTICLONE & SCRUBBER        | NSPS |
| SO2 | 1.2000 | LB/MMBTU | CAUSTIC SCRUBBER             | NSPS |
| NOX | 0.7000 | LB/MMBTU | EQUIPMENT DESIGN & OPERATION | NSPS |

BOILER, COAL, UNIT #1

480.00 MMBTU/H

|     |        |          |                              |      |
|-----|--------|----------|------------------------------|------|
| PM  | 0.1000 | LB/MMBTU | MULTICLONE & SCRUBBER        | NSPS |
| SO2 | 1.2000 | LB/MMBTU | CAUSTIC SCRUBBER             | NSPS |
| NOX | 0.7000 | LB/MMBTU | EQUIPMENT DESIGN & OPERATION | NSPS |

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

NOTES -----

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

PAGE 6- 956

ID NUMBER AL-0009

SOURCE TYPE CODE 10.2

# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- HARDBOARD  
 COMPANY NAME/SITE LOCATION ABI TIBI CORP. ROARING RIVER, NC WILKES COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE. DATE OF PERMIT ISSUANCE-- 03/25/81  
 PERMIT NO. NC 076 ESTIMATED DATE OF START-UP--  
 DETERMINATION MADE BY NORTH CAROLINA DEM MIKE SEWELL (919)-733-6126  
 (AGENCY) (AGENCY CONTACT PERSON) (PHONE)

| PROCESSES SUBJECT TO THIS PERMIT | THROUGHPUT CAPACITY  | POLLUTANT EMITTED | EMISSION LIMITS               | CONTROL EQUIPMENT OR PROCESS MODIFICATION | ... & BASIS ... PCT EFF |
|----------------------------------|----------------------|-------------------|-------------------------------|-------------------------------------------|-------------------------|
| WOOD FIRED BOILER                | 120000.00 LB/H STEAM | PM                | 0.1000 LB/MHBTU               | VENTURI SCRUBBER & MULTICLONE             | NSPS 98.20              |
|                                  |                      | SO2               | 33.0300 LB/H<br>145.0000 T/YR |                                           |                         |
|                                  |                      | CO                | 44.0400 LB/H<br>192.9000 T/YR | LOW S FUEL                                | NSPS                    |
|                                  |                      | NOX               | 35.2300 LB/H<br>154.3000 T/YR | EQUIPMENT OPERATION                       | NSPS                    |
|                                  |                      |                   |                               | EQUIPMENT OPERATION                       |                         |

NOTES -----

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- PLYWOOD PLANTS

COMPANY NAME/SITE LOCATION KIRBY FOREST INDUSTRIES

SILSBEE, TX

HARDIN COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.  
PERMIT NO. (REGION FILE NO.) PSD-TX-280  
DETERMINATION MADE BY EPA REGION VI  
(AGENCY)

BILL TAYLOR  
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 01/09/80  
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, FBD WOOD WASTE FIRE 70000.00 LB/H

PM

10.7000 LB/H

SCRUB. IN SERIES W/SCRUB.

95.00

NOTES -----

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- WOODWORKING

COMPANY NAME/SITE LOCATION BROYHILL FURNITURE

MARION, NC

MCDOWELL COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.  
 PERMIT NO. NC-068  
 DETERMINATION MADE BY NORTH CAROLINA DEM  
 (AGENCY) MIKE SEWELL  
 (AGENCY CONTACT PERSON) (919)-733-6126  
 (PHONE) DATE OF PERMIT ISSUANCE-- 04/25/80  
 ESTIMATED DATE OF START-UP-- 1980

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

WOODWORKING 90.00 BOARD F/MIN. PM 0.2950 LB/H 1.3000 T/YR BACT 99.90  
 BAGHOUSE

NOTES -----

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

PAGE G- 959

ID NUMBER NC-0013A

SOURCE TYPE CODE 10.5

# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- WOODWORKING

COMPANY NAME/SITE LOCATION BROYHILL FURNITURE

NEWTON, NC

CATAMBA COUNTY

DETERMINATION IS BACT  
PERMIT NO. NC-063  
DETERMINATION MADE BY

NORTH CAROLINA DEM  
(AGENCY)

MIKE SEWELL  
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 04/25/80  
ESTIMATED DATE OF START-UP-- 1980  
(919)-733-6126  
(PHONE)

PROCESSES SUBJECT  
TO THIS PERMIT

THROUGHPUT  
CAPACITY

POLLUTANT  
EMITTED

EMISSION LIMITS  
CONTROL EQUIPMENT OR PROCESS MODIFICATION

... & BASIS  
... PCT EFF

WOODWORKING BOOTHS

PM

9.0000 LB/H

BAGHOUSE

BACT

99.90

NOTES -----

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

APPENDIX -- DETAILED SOURCE LISTING

04/29/1993

SOURCE TYPE/SIZE--- OTHER WOOD PRODUCTS

COMPANY NAME/SITE LOCATION BURLINGTON IND.

HIGH POINT, NC

DETERMINATION IS FOR A NEW SOURCE.

PERMIT NO. NC-036

DETERMINATION MADE BY NORTH CAROLINA DEM

(AGENCY)

MIKE SEWELL

(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 04/25/80

ESTIMATED DATE OF START-UP--

(919)-733-6126

(PHONE)

PROCESSES SUBJECT TO THIS PERMIT

THROUGHPUT CAPACITY

POLLUTANT EMITTED

EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION

... & BASIS ... PCT EFF

BOILER

PM

0.6000 LB/H

BAGHOUSE

CLOSED LOOP BOILER FEED SYSTEM

BACT

NOTES -----

(\*) INDICATES DATA WAS TRUNCATED FOR THIS TABLE.

PAGE 6- 961

ID NUMBER NC-0020

SOURCE TYPE CODE 10.6

# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- OTHER WOOD PRODUCTS

COMPANY NAME/SITE LOCATION CROWN WOOD PRODUCTS

MOCKSVILLE, NC

DAVIE COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.

PERMIT NO. 4819

DETERMINATION MADE BY NORTH CAROLINA DEM  
(AGENCY)

MIKE SEWELL  
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 01/28/82  
ESTIMATED DATE OF START-UP-- 1983  
(919)-733-6126  
(PHONE)

PROCESSES SUBJECT  
TO THIS PERMIT

THROUGHPUT  
CAPACITY

POLLUTANT  
EMITTED

EMISSION LIMITS  
CONTROL EQUIPMENT OR PROCESS MODIFICATION

... & BASIS  
... PCT EFF

BOILER, WOOD-FIRED

22.30 MMBTU/H

VOC

917.0000 T/YR

NO CONTROL

BACT

NOTES -----

BOILER VOC LIMIT BASED ON AP-42 EMISSION FACTOR AND PERMIT STIPULATION LIMITING WOOD USAGE.

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

PAGE 6- 962

ID NUMBER NC-0022

SOURCE TYPE CODE 10.6



# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

15.00 T/H

ST MARIES, ID

DATE OF PERMIT ISSUANCE-- 03/15/83  
ESTIMATED DATE OF START-UP-- 1983  
(208)-334-5360  
(PHONE)

CLINT AYER  
(AGENCY CONTACT PERSON)

IDAHO ARB  
(AGENCY)

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

24.0000 LB/H  
CYCLONE/WET SCRUBBER  
98.

NOTE ~ BURN 0.4 T/H WET WOOD, 0.4 T/H DRY WOOD

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- OTHER WOOD PRODUCTS 165000.00 LB/H

COMPANY NAME/SITE LOCATION GEORGIA-PACIFIC CORP. DUDLEY, NC WAYNE COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE. DATE OF PERMIT ISSUANCE-- 01/07/80  
 PERMIT NO. NC-061 ESTIMATED DATE OF START-UP--  
 DETERMINATION MADE BY NORTH CAROLINA DEM MIKE SEWELL (919)-733-6126  
 (AGENCY) (AGENCY CONTACT PERSON) (PHONE)

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

WOOD WASTE BOILER & ROTARY AND \* 165000.00 LB/H PM 246.0000 T/YR BAGFILTERS,CYC,& VENTURI SCRUB BACT 99.87

NOTES -----  
 MULTIPLE SMALL EMISSION POINTS WITH LIMITS OF 0.05 TO 31.0 LB/H.

# APPENDIX -- DETAILED SOURCE LISTINGS

04/29/1983

SOURCE TYPE/SIZE--- OTHER WOOD PRODUCTS

COMPANY NAME/SITE LOCATION GEORGIA-PACIFIC CORP.

DUDLEY, NC

WAYNE COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.

PERMIT NO. 4923

DETERMINATION MADE BY NORTH CAROLINA DEM  
(AGENCY)

MIKE SEWELL  
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 06/01/82  
ESTIMATED DATE OF START-UP-- 1983  
(919)-733-6126  
(PHONE)

PROCESSES SUBJECT  
TO THIS PERMIT

THROUGHPUT  
CAPACITY

POLLUTANT  
EMITTED

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

DRYER, SANDERDUST FUEL 10000.00 LB/H

PM 30.0000 LB/H SEE NOTE  
CYCLONES, ESP

BACT

99.92

BACT

99.92

BACT

99.92

BACT

99.92

DRYERS, ROTARY WOODFLAKE (GREEN) 80000.00 LB/H

PM 30.0000 LB/H SEE NOTE  
CYCLONES, ESP

BACT

99.92

BACT

99.92

BACT

99.92

BACT

99.92

BACT

99.92

NOTES -----

CONSTITUTES A REDETERMINATION. CYCLONES COULD NOT MEET PARTICULATE OR VISIBLE EMISSION LIMITATIONS. ESP APPLICATION TO WOODFLAKE DRYER PROCESS APPROACHES INNOVATIVE TECHNOLOGY. NOTE- ONE LIMIT FOR FUEL COMBUSTION AND PROCESS.

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

PAGE G- 965

ID NUMBER NC-0007A

SOURCE TYPE CODE 10.6

# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- OTHER WOOD PRODUCTS

COMPANY NAME/SITE LOCATION HOOKER FURNITURE CORP.

ROANOKE, VA

DETERMINATION IS BACT FOR A MODIFIED SOURCE.

PERMIT NO. 20523

DETERMINATION MADE BY VIRGINIA APCB  
(AGENCY)

RENALDO JENKINS  
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 02/16/82  
ESTIMATED DATE OF START-UP--  
(804)-786-4867  
(PHONE)

PROCESSES SUBJECT  
TO THIS PERMIT

THROUGHPUT  
CAPACITY

POLLUTANT  
EMITTED

EMISSION LIMITS  
CONTROL EQUIPMENT OR PROCESS MODIFICATION

... & BASIS  
... PCT EFF

WOOD/COAL BOILER

20.00 MMBTU/H

PM

0.3000 LB/MMBTU  
MULTICLONE

90.00

NOTES -----

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

PAGE 6-- 966

ID NUMBER VA-0019

SOURCE TYPE CODE 10.6

# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- KRAFT PULP MILLS 683.40 MMBTU/H  
 COMPANY NAME/SITE LOCATION INTERNATIONAL PAPER CO. CAMDEN, AR

DETERMINATION IS BACT FOR A NEW SOURCE. DATE OF PERMIT ISSUANCE-- 07/05/82  
 PERMIT NO. 78-AR-1 ARKANSAS DPC ESTIMATED DATE OF START-UP-- 1985  
 DETERMINATION MADE BY (AGENCY) MIKE PORTA (501)-562-7444  
 (AGENCY CONTACT PERSON) (PHONE)

| PROCESSES SUBJECT TO THIS PERMIT | THROUGHPUT CAPACITY | POLLUTANT EMITTED | EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION | ... & BASIS ... PCT EFF |
|----------------------------------|---------------------|-------------------|-----------------------------------------------------------|-------------------------|
| STEAM BOILER                     | 683.40 MMBTU/H      | SO2               | 820.0000 LB/H FUEL BLENDING                               |                         |
|                                  |                     | NOX               | 480.0000 LB/H TWO STAGE COMBUSTION                        |                         |
|                                  |                     | CO                | 70.0000 LB/H OXYGEN CONTROL                               |                         |
|                                  |                     | PM                | 0.1000 LB/MMBTU ESP                                       | 99.50                   |

NOTES -----  
 TSP WAS NOT SUBJECT TO BAC - HOWEVER, IT WAS SUBJECT TO THE "BEST CURRENTLY AVAILABLE CONTROL TECHNOLOGY" UNDER ARKANSAS LAW.

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- OTHER WOOD PRODUCTS  
 COMPANY NAME/SITE LOCATION INTERNATIONAL PAPER CO. GURDON, AR  
 DETERMINATION IS BACT FOR A MODIFIED SOURCE.  
 PERMIT NO. PSD-463AR-1  
 DETERMINATION MADE BY ARKANSAS DPC  
 (AGENCY) MIKE PORTA  
 (AGENCY CONTACT PERSON) DATE OF PERMIT ISSUANCE-- 03/25/83  
 ESTIMATED DATE OF START-UP--  
 (501)-562-7444  
 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT THROUGHPUT CAPACITY POLLUTANT EMISSION LIMITS ... & BASIS  
 CONTROL EQUIPMENT OR PROCESS MODIFICATION ... PCT EFF  
 BOILERS, WOOD WASTE, #1 & #2 PH 25.0000 LB/H, EA  
 CO 200.0000 LB/H, EA  
 EFFICIENT BOILER OPERATION

NOTES -----  
 THE CO RATE WAS ORIGINALLY 32.5 LB/H BUT WAS RAISED TO 200 LB/H.

# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

240.00 T/D

OTHER WOOD PRODUCTS

SOURCE TYPE/SIZE---

EASTON, ME

COMPANY NAME/SITE LOCATION J.M. HUBER CORP.

DETERMINATION IS BACT FOR A NEW SOURCE.

DATE OF PERMIT ISSUANCE-- 08/25/82

PERMIT NO.

ESTIMATED DATE OF START-UP-- 1983

DETERMINATION MADE BY MAINE DEP (AGENCY)

ROBERT BALLEW (AGENCY CONTACT PERSON)

(207)-289-2437 (PHONE)

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

|                                  |               |     |                                            |               |
|----------------------------------|---------------|-----|--------------------------------------------|---------------|
| DRYERS, 2                        | 240.00 T/D    | PM  | 2.4800 LB/T WAFER BD<br>HIGH EFF. CYCLONES | BACT          |
| DRYERS PLUS BOILER, COMMON STAC* | 240.00 T/D    | VE  | 20.0000 % OPACITY FOR 15 MIN/3 H           | BACT          |
| WOOD BOILER                      | 84.00 MMBTU/H | PM  | 0.1200 LB/MMBTU<br>MULTICLONES             | BACT          |
|                                  |               | S02 | 100.0000 LB/H                              | BACT          |
|                                  |               | S02 | 1000.0000 LB/D                             | BACT          |
|                                  |               | S02 | 50.0000 T/YR                               | BACT          |
| BLDG VENT SYSTEM                 |               | PM  | BAGHOUSES                                  | BACT<br>99.90 |

NOTES -----  
 DRYERS & BOILER IN COMMON STACK FOR VE CONCERN. FUGITIVE EMISSIONS CONTROLLED BY 1) VEGETATION OF ALL PLANT PROPERTY NOT IN ACTI  
 VE USE. 2) THE USE OF PAVED OR GRAVEL ROAD. 3) PAVING OR SURFACTANTS IF GRAVEL ROAD FAILS TO ADEQUATELY CONTROL  
 FUGITIVE EMISSIONS.

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- OTHER WOOD PRODUCTS 240.00 T/D

COMPANY NAME/SITE LOCATION LOUISIANA-PACIFIC CORP.

NEW LIMERICK, ME

DETERMINATION IS BACT FOR A NEW SOURCE.

PERMIT NO. DATE OF PERMIT ISSUANCE-- 01/27/82

DETERMINATION MADE BY MAINE DEP

ROBERT BALLEW

ESTIMATED DATE OF START-UP-- 1982

(AGENCY)

(AGENCY CONTACT PERSON)

(207)-289-2437

(PHONE)

PROCESSES SUBJECT TO THIS PERMIT

THROUGHPUT CAPACITY

POLLUTANT EMITTED

EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION

... & BASIS ... PCT EFF

NO. 1 WOOD BOILER

24.60 MMBTU/H

PM

0.1500 LB/MMBTU ESP

BACT

SO2

NO. 2 FUEL OIL ONLY

BACT

NO. 2 WOOD BOILER

24.60 MMBTU/H

PM

0.1500 LB/MMBTU ESP

BACT

NO. 1 WOOD FIRED DRYER

36.40 MMBTU/H

PM

1.8400 LB/T WAFER BD CYCLONE

BACT

SO2

NO. 2 FUEL START UP ONLY

BACT

NO. 2 WOOD FIRED DRYER

36.40 MMBTU/H

PM

1.8400 LB/T WAFER BD CYCLONE

BACT

SO2

NO. 2 FUEL START UP ONLY

BACT



(CONTINUED) LOUISIANA-PACIFIC CORP.

| PROCESSES SUBJECT<br>TO THIS PERMIT | THROUGHPUT<br>CAPACITY | POLLUTANT<br>EMITTED | EMISSION LIMITS<br>CONTROL EQUIPMENT OR PROCESS MODIFICATION    | ... & BASIS<br>... PCT EFF |
|-------------------------------------|------------------------|----------------------|-----------------------------------------------------------------|----------------------------|
| PNEUMATIC TRIM & FINES COLL. SYS    |                        | PM                   |                                                                 | BACT<br>99.90              |
| FUGITIVE EMISSIONS                  |                        | PM                   | CYCLONE, BAGHOUSE<br><br>PAVING/GRAVELLING/VEGETATE/SURFACTANTS |                            |

NOTES -----

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

60.00 MMBTU/H

OTHER WOOD PRODUCTS

SOURCE TYPE/SIZE---

NATICK, MA

NATICK PAPERBOARD

COMPANY NAME/SITE LOCATION

DATE OF PERMIT ISSUANCE-- 04/30/81  
ESTIMATED DATE OF START-UP--  
(617)-223-4448  
(PHONE)

DETERMINATION IS BACT FOR A MODIFIED SOURCE.

PERMIT NO. 24-119-MA-13  
DETERMINATION MADE BY

SARAH SIMON  
(AGENCY CONTACT PERSON)

EPA REGION I  
(AGENCY)

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

POLLUTANT EMISSION LIMITS  
EMITTED

THROUGHPUT  
CAPACITY

PROCESSES SUBJECT  
TO THIS PERMIT

60.13 MMBTU/H

BOILER, REPLACEMENT, OIL-FIRED

S02 145.9400 LB/H  
2.2% S

BACT

## NOTES -----

2.2% S FUEL ASSUMED. 1.42E5 BTU/GAL.

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- OTHER WOOD PRODUCTS

COMPANY NAME/SITE LOCATION PACKAGING CORP. OF AM

FIBER CITY, MI

MANISTEE COUNTY

DETERMINATION IS FOR A MODIFIED SOURCE.

PERMIT NO. 681-80

DETERMINATION MADE BY

MICHIGAN DNR

(AGENCY)

JOHN CAUDELL

(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 12/16/80

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, 2 TOTAL

325000.00 LB/H

PM

0.1000 LB/MLB EXHAUST

BAGHOUSE

CORRECTED TO 50% AIR

1.6700 LB/MMBTU 24 H AV

1/2 S COAL

99.90

NOTES -----

CONVERSION OF BOILER BACK TO COAL FIRING

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

PAGE G- 973

ID NUMBER MI-0012

SOURCE TYPE CODE 10.6

# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- OTHER WOOD PRODUCTS  
 COMPANY NAME/SITE LOCATION PROCTOR & GAMBLE PAPER PRODUCTS SOUTH BOSQUE, TX MCLENNAN COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.  
 PERMIT NO. PSD-TX-89  
 DETERMINATION MADE BY EPA REGION VI  
 (AGENCY) JOHN BUNYAK  
 (AGENCY CONTACT PERSON) DATE OF PERMIT ISSUANCE-- 02/01/80  
 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 |
|----------------------------------|---------------------|-------------------|-----------------------------------------------------------|-------------------------|
|----------------------------------|---------------------|-------------------|-----------------------------------------------------------|-------------------------|

TISSUE ROLL CUTTING MACHINES, 3

TISSUE CUTTING MACHINE, 1

CELLULOSE PAD FORMATION MACHINE\*

PLASTIC TRIMING OPERATION

TURBINE, GAS, 2

|     |                   |                   |       |
|-----|-------------------|-------------------|-------|
| PM  | 0.2700 LB/H EA    | WET SCRUBBER      | 99.00 |
| PM  | 0.1500 LB/H       | WET SCRUBBER      | 99.00 |
| PM  | 0.1200 LB/H EA    | BAGHOUSE          | 99.50 |
| PM  | 5.0000 LB/H       | CYCLONE & FILTERS | 99.50 |
| PM  | 20.4000 LB/H EA   | LOW ASH FUEL      |       |
| SO2 | 144.0000 LB/H EA  | 0.4% S FUEL OIL   |       |
| NOX | 118.8000 LB/H     | WATER INJECTION   |       |
|     | 350.00 MMBTU/H EA |                   |       |

(CONTINUED) PROCTOR & GAMBLE PAPER PRODUCTS

| PROCESSES SUBJECT<br>TO THIS PERMIT | THROUGHPUT<br>CAPACITY | POLLUTANT<br>EMITTED | EMISSION LIMITS<br>CONTROL EQUIPMENT OR PROCESS MODIFICATION | ... & BASIS<br>... PCT EFF |
|-------------------------------------|------------------------|----------------------|--------------------------------------------------------------|----------------------------|
| TISSUE WINDING MACHINES, 2          |                        |                      |                                                              |                            |
| STEAM GEN                           | 100.00 MMBTU/H         | PM                   | 0.3400 LB/H EA<br>WET SCRUBBERS                              |                            |
|                                     |                        | PM                   | 6.9000 LB/H<br>LOW ASH FUEL OIL                              |                            |
|                                     |                        | SO2                  | 75.9000 LB/H<br>0.7% S FUEL OIL                              |                            |
|                                     |                        | NOX                  | 30.0000 LB/H<br>LEA FIRING/FURNACE DESIGN                    |                            |

NOTES -----

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- OTHER WOOD PRODUCTS 19.30 MM

COMPANY NAME/SITE LOCATION PROCTOR & GAMBLE PAPER PROD. PLANT OXNARD, CA

DETERMINATION IS BACT FOR A MODIFIED SOURCE.  
 PERMIT NO. (REGION FILE NO.) LA 79-08  
 DETERMINATION MADE BY EPA REGION IX  
 (AGENCY)  
 RAY SEID  
 (AGENCY CONTACT PERSON)  
 DATE OF PERMIT ISSUANCE-- 04/02/80  
 ESTIMATED DATE OF START-UP--  
 (415)-974-8066  
 (PHONE)

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

|             |          |     |                                                                         |  |
|-------------|----------|-----|-------------------------------------------------------------------------|--|
| GAS TURBINE | 19.30 MM | NOX | 0.3198 LB/MMBTU FUEL OIL<br>0.2165 LB/MMBTU NAT. GAS<br>WATER INJECTION |  |
|-------------|----------|-----|-------------------------------------------------------------------------|--|

NOTES -----  
 BACT LIMITS DETERMINED BY NSPS STANDARDS.

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

# APPENDIX -- DETAILED SOURCE LISTING

04/29/1993

SOURCE TYPE/SIZE--- GENERAL MANUFACTURING AND FABRICATION 65000.00 T/YR

COMPANY NAME/SITE LOCATION AIRCO CARBON RIDGEVILLE, SC DORCHESTER COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE. DATE OF PERMIT ISSUANCE-- 01/11/82  
 PERMIT NO. P/C-16-058 THRU 096 ESTIMATED DATE OF START-UP-- 1983  
 DETERMINATION MADE BY SOUTH CAROLINA DHEC (803)-758-5406  
 (AGENCY) OTTO PEARSON (PHONE)  
 (AGENCY CONTACT PERSON)

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

|                      |                    |     |                               |      |
|----------------------|--------------------|-----|-------------------------------|------|
| CARBON BOTTOM KILNS  | 27.90 T/H ELECTRO* | PM  | 5.4300 LB/H                   | BACT |
|                      |                    |     | USE OF NAT. GAS               |      |
|                      |                    | SO2 | 1.3900 LB/H                   | BACT |
|                      |                    | NOX | 17.5000 LB/H                  | BACT |
|                      |                    | VOC | 0.0300 LB/H                   | BACT |
| GRAPHITIZING FURNACE | 7.40 T/H           |     | NO CONTROL                    |      |
|                      |                    | PM  | 33.8000 LB/H                  |      |
|                      |                    |     | BAGHOUSE & PNEUMATIC COLL SYS |      |
|                      |                    | SO2 | 296.6000 LB/H                 |      |
|                      |                    | H2S | 160.8000 LB/H                 |      |

NOTES -----  
 COKE PACK MATERIAL WILL BE LOADED AND UNLOADED FROM THE FURNACES BY A PNEUMATIC COLLECTION SYSTEM. THE PACK MATERIAL WILL BE C  
 OLLECTED IN A BAGHOUSE, FINES WILL BE REMOVED, THE COKE IS THEN RE-USED.  
 SO2 CONTROLLED BY LIMITING SULFUR CONTENT OF THE FOLLOWING A.BAKED ELECTRODES LESS THAN 0.8% B.COKE PACK MATERIAL LESS THAN 3.  
 5% C.HAKE-UP PACK MATERIAL LESS THAN 1.5%

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.  
 ID NUMBER SC-0011 SOURCE TYPE CODE 11.0  
 PAGE 6- 977

# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- GENERAL MANUFACTURING AND FABRICATION

COMPANY NAME/SITE LOCATION A.O. SMITH CORP. MILWAUKEE, WI

DETERMINATION IS BACT FOR A MODIFIED SOURCE. DATE OF PERMIT ISSUANCE-- 06/05/80  
 PERMIT NO. ATT-03-80-41-026 ESTIMATED DATE OF START-UP--  
 DETERMINATION MADE BY WISCONSIN DNR LARRY NIGHTINGALE (414)-257-4411  
 (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

|     |                 |  |             |      |
|-----|-----------------|--|-------------|------|
| PM  | 0.1500 LB/MMBTU |  |             | BACT |
| SO2 |                 |  | SULFUR .85% |      |

NOTES -----  
 #6 FUEL OIL TO BE USED ONLY WHEN NATURAL GAS INTERRUPTED

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.



# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE---- GENERAL MANUFACTURING AND FABRICATION

COMPANY NAME/SITE LOCATION BUICK MOTOR DIV., GMC

FLINT, MI

GENESEE COUNTY

DETERMINATION IS B/L FOR A NEW SOURCE.

PERMIT NO. 535-79

DETERMINATION MADE BY MICHIGAN DNR  
(AGENCY)

JOHN CAUDELL  
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 03/31/81  
ESTIMATED DATE OF START-UP--  
(517)-322-1333  
(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 485.00 MMBTU/H

PM

0.0300 LB/MMBTU

LAER

SO2 0.6000 LB/MMBTU 30 D AV

BACT

NOX 0.6000 LB/MMBTU 30 D AV

BACT

COAL, LIME, HANDLING, & STORAGE

PM

0.0300 GR/DSCF

BACT

ENCLOSURES & FABRIC FILTERS

NOTES -----

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

PAGE G- 979

ID NUMBER MI-0020

SOURCE TYPE CODE 11.0

# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE---

GENERAL MANUFACTURING AND FABRICATION

305.00 MMBTU/H

COMPANY NAME/SITE LOCATION CAMPBELL SOUP CO.  
STATE RT 71

E OF MAXTON, NC

ROBESON COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.  
PERMIT NO. NC 074  
DETERMINATION MADE BY NORTH CAROLINA DEM  
(AGENCY)

DATE OF PERMIT ISSUANCE-- 01/29/81  
ESTIMATED DATE OF START-UP-- 1982  
(919)-733-6126  
(PHONE)

MIKE SEWELL  
(AGENCY CONTACT PERSON)

PROCESSES SUBJECT  
TO THIS PERMIT

THROUGHPUT  
CAPACITY

POLLUTANT  
EMITTED

EMISSION LIMITS  
CONTROL EQUIPMENT OR PROCESS MODIFICATION

... & BASIS  
... PCT EFF

FLUIDIZED BED COMBUSTION

305.00 MMBTU/H

SO2 1.2000 LB/MMBTU

PM 0.1000 LB/MMBTU

NOX 0.7000 LB/MMBTU

LO4 PUMP

EQUIPMENT DESIGN

VOC 40.0000 LB/D

LOW SOLVENT

CAN CONTROL

17150.00 LB/H

NSPS

80.00

NSPS

99.00

NSPS

NOTES -----

5 BOILERS AT 61 MMBTU/H EACH.

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

PAGE 6- 980

ID NUMBER NC-0001

SOURCE TYPE CODE 11.0

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE, SIZE--- GENERAL MANUFACTURING AND FABRICATION

COMPANY NAME/SITE LOCATION CHEVROLET TRUCK ASSEMBLY PLANT  
VAN SLYKE AT ATHONTON RD

FLINT, MI 48551

GENESEE COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.

PERMIT NO. 426-79

DETERMINATION MADE BY MICHIGAN DNR  
(AGENCY)

DAVID FERRIER  
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 06/25/80  
ESTIMATED DATE OF START-UP-- 1982  
(517)-322-1333  
(PHONE)

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

BOILER, COAL FIRED 171.00 MMBTU/H

|     |        |                               |       |
|-----|--------|-------------------------------|-------|
| PM  | 0.0600 | LB/MMBTU                      | 99.50 |
|     |        | CYCLOPNE & BAGHOUSE           |       |
| SO2 | 1.6000 | LB/MMBTU 24 H AV              |       |
|     |        | LOW S COAL, MAX 1%            |       |
| NOX | 0.6000 | LB/MMBTU                      |       |
|     |        | CONTROL EXCESS & OVERFIRE AIR |       |

ASH HANDLING SYS.

|    |        |                          |       |
|----|--------|--------------------------|-------|
| PM | 0.0300 | GR/DSCF                  | 99.50 |
|    |        | ENCLOSURES & BAG FILTERS |       |

COAL HANDLING SYS.

|    |        |                          |       |
|----|--------|--------------------------|-------|
| PM | 0.0300 | GR/DSCF                  | 99.50 |
|    |        | ENCLOSURES & BAG FILTERS |       |

NOTES -----

(\*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

## SOURCE TYPE/SIZE--- GENERAL MANUFACTURING AND FABRICATION

COMPANY NAME/SITE LOCATION CHICAGO & NORTHWESTERN TRANSP. CO.  
600 SHERIDAN  
ESCANABA WELLS, MI 49829  
DELTA COUNTY

DETERMINATION IS FOR A NEW SOURCE.  
PERMIT NO. 161-80  
DETERMINATION MADE BY MICHIGAN DNR  
(AGENCY)  
JOHN TROUT  
(AGENCY CONTACT PERSON)  
DATE OF PERMIT ISSUANCE-- 06/01/80  
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 |
|----------------------------------|---------------------|-------------------|-----------------------------------------------------------|-------------------------|
|----------------------------------|---------------------|-------------------|-----------------------------------------------------------|-------------------------|

|                |  |    |                                   |       |
|----------------|--|----|-----------------------------------|-------|
| RR CAR DUMPING |  | PM | 0.0160 LB/MLB EXHAUST<br>BAGHOUSE | 99.80 |
|----------------|--|----|-----------------------------------|-------|

NOTES -----

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- GENERAL MANUFACTURING AND FABRICATION

COMPANY NAME/SITE LOCATION COLT INDUSTRIES - HOLLEY CARBURETOR DIV PARIS, TN 38342 HENRY COUNTY  
FOREST HEIGHTS ST.

DETERMINATION IS BACT FOR A MODIFIED SOURCE. DATE OF PERMIT ISSUANCE-- 05/01/80  
PERMIT NO. (REGION FILE NO.) PSD-TN-061 ESTIMATED DATE OF START-UP--  
DETERMINATION MADE BY TENNESSEE APCD (615)-741-3651  
(AGENCY) (AGENCY CONTACT PERSON) (PHONE)

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

WHOLE PLANT VOC 33.0000 T/YR VAPOR RECOVERY BACT

NOTES -----

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

## SOURCE TYPE/SIZE--- GENERAL MANUFACTURING AND FABRICATION

COMPANY NAME/SITE LOCATION FIRESTONE TIRE CO.  
P. O. BOX 1708

ALBANY, GA 31702

DOUGHERTY COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.

PERMIT NO. GA 068

DETERMINATION MADE BY

GEORGIA EPD  
(AGENCY)

BILL MITCHELL  
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 11/13/80  
ESTIMATED DATE OF START-UP-- 1982  
(404)-656-6900  
(PHONE)

PROCESSES SUBJECT  
TO THIS PERMIT

THROUGHPUT  
CAPACITY

POLLUTANT  
EMITTED

EMISSION LIMITS  
CONTROL EQUIPMENT OR PROCESS MODIFICATION

... & BASIS  
... PCT EFF

TIRE SEALANT LINE

VOC

32.5000 T/YR

CARBON ADSORPTION

BACT  
90.00

NOTES -----

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

PAGE 6- 984

ID NUMBER GA-0004

SOURCE TYPE CODE 11.0

# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

## SOURCE TYPE/SIZE--- GENERAL MANUFACTURING AND FABRICATION

COMPANY NAME/SITE LOCATION FORD MOTOR CO., LIMA ENGINE PLANT

, OH

ALLEN COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.  
 PERMIT NO. EPA-5-A-80-19  
 DETERMINATION MADE BY OHIO EPA NWD  
 (AGENCY)

CHUCK HULL  
 (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 05/14/80  
 ESTIMATED DATE OF START-UP--  
 (419)-352-8461  
 (PHONE)

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

|                    |               |     |                            |  |
|--------------------|---------------|-----|----------------------------|--|
| BOILER, COAL-FIRED | 55.00 MMBTU/H | PM  | 0.0600 LB/MMBTU            |  |
|                    |               | S02 | 1.6000 LB/MMBTU 24 H BASIS |  |
|                    |               |     | MULTICLONES & ESP          |  |
|                    |               |     | LOW SULFUR COAL(< 1.0 % S) |  |

NOTES -----  
 SOURCE NOT BUILT

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

35000.00 T/YR

GENERAL MANUFACTURING AND FABRICATION

SOURCE TYPE/SIZE---

CHARMIAN, PA

COMPANY NAME/SITE LOCATION GAF CORP.

ADAMS COUNTY

DATE OF PERMIT ISSUANCE-- 01/02/79  
ESTIMATED DATE OF START-UP-- 1979  
(215)-597-2711  
(PHONE)

DETERMINATION IS BACT FOR A MODIFIED SOURCE.  
PERMIT NO. 78PA15  
DETERMINATION MADE BY EPA REGION III  
(AGENCY)

VERNON BUTLER  
(AGENCY CONTACT PERSON)

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

MILL 40.00 T/H PM 0.9600 LB/H BAGHOUSE BACT 99.85

NOTES -----

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.



# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- GENERAL MANUFACTURING AND FABRICATION

COMPANY NAME/SITE LOCATION GAF CORP.

FONTANA, CA

DETERMINATION IS BACT FOR A NEW SOURCE.

PERMIT NO. SE-78-07

DETERMINATION MADE BY EPA REGION IX

(AGENCY)

DON HARVEY

(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 05/01/79

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

SURFACING & WINDING SECTIONS OF\* 106.00 MLB/H

PM

2.5700 LB/H

0.0150 GR/SCF

BAGHOUSE

BACT

99.10

UNWIND & FESTOON SECTIONS OF RO\*

PM

1.2900 LB/H

0.0150 GR/SCF

BAGHOUSE

BACT

99.00

SATURATOR

35.00 MLB/D

PM

1.8900 LB/H

0.0200 GR/SCF

ESP

FILLER STORAGE SILO

PM

0.4670 LB/H

0.0150 GR/SCF

VENT FILTER

FILLER UNLOAD

PM

0.4500 LB/H

0.0150 GR/SCF

VACUUM FILTER

(CONTINUED) GAF CORP.

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

|                      |  |    |                                               |  |
|----------------------|--|----|-----------------------------------------------|--|
| TALC STORAGE         |  | PM | 0.1670 LB/H<br>0.0150 GR/SCF<br>VENT FILTER   |  |
| SAND STORAGE         |  | PM | 0.1670 LB/H<br>0.0150 GR/SCF<br>VENT FILTER   |  |
| TALC UNLOAD          |  | PM | 0.5270 LB/H<br>0.0150 GR/SCF<br>VACUUM FILTER |  |
| SAND & TALC USE BINS |  | PM | 0.0260 LB/H<br>0.0150 GR/SCF<br>BAGHOUSE      |  |
| FILLER USE BIN       |  | PM | 0.1410 LB/H<br>0.0150 GR/SCF<br>BAGHOUSE      |  |

NOTES -----

# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- GENERAL MANUFACTURING AND FABRICATION

COMPANY NAME/SITE LOCATION GENERAL ELECTRIC CO.

BURKEVILLE, AL

DETERMINATION IS BACT FOR A NEW SOURCE.  
PERMIT NO. SEE NOTES  
DETERMINATION MADE BY ALABAMA DEM  
(AGENCY)

DATE OF PERMIT ISSUANCE-- 03/08/83  
ESTIMATED DATE OF START-UP-- 1984  
(205)-834-6570  
(PHONE)  
SUE ROBERTSON  
(AGENCY CONTACT PERSON)

PROCESSES SUBJECT  
TO THIS PERMIT

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

THROUGHPUT  
CAPACITY

ROTARY KILN INCINERATOR

60.00 MTBTU/H

|      |         |                 |       |
|------|---------|-----------------|-------|
| POHC | 0.0100  | % OF POHC INPUT | 99.99 |
| PM   | 0.0800  | GR/DSCF         | 99.10 |
| SO2  | 13.8000 | LB/H            |       |
| CO   | 43.7000 | LB/H            |       |
| NOX  | 94.7000 | LB/H            |       |
| HCL  | 1.0000  | % OF CL INPUT   | 99.00 |

FIXED HEARTH INCINERATOR

33.00 MTBTU/H

|      |         |                 |       |
|------|---------|-----------------|-------|
| POHC | 0.0100  | % OF POHC INPUT | 99.99 |
| PM   | 0.0800  | GR/DSCF         | 99.10 |
| SO2  | 6.0000  | LB/H            |       |
| CO   | 42.5000 | LB/H            |       |
| NOX  | 48.0000 | LB/H            |       |
| HCL  | 1.0000  | % OF CL INPUT   | 99.00 |

(CONTINUED) GENERAL ELECTRIC CO.

| PROCESSES SUBJECT<br>TO THIS PERMIT | THROUGHPUT<br>CAPACITY | POLLUTANT<br>EMITTED | EMISSION LIMITS<br>CONTROL EQUIPMENT OR PROCESS MODIFICATION | ... & BASIS<br>... PCT EFF |
|-------------------------------------|------------------------|----------------------|--------------------------------------------------------------|----------------------------|
| ROTARY KILN INCINERATOR             | 60.00 MMBTU/H          | POHC                 | 0.0100 % OF POHC INPUT                                       |                            |
|                                     |                        |                      | WET SCRUBBERS                                                | 99.99                      |
|                                     |                        | PM                   | PRIME COMBUST./QUENCH TOWER/PACKED TOWER                     |                            |
|                                     |                        |                      | 0.0800 GR/DSCF                                               | 99.10                      |
|                                     |                        |                      | WET SCRUBBERS                                                |                            |
|                                     |                        | SO2                  | 13.8000 LB/H                                                 |                            |
|                                     |                        | CO                   | 43.7000 LB/H                                                 |                            |
|                                     |                        | NOX                  | 94.7000 LB/H                                                 |                            |
|                                     |                        | HCL                  | 1.0000 % OF CL INPUT                                         |                            |
|                                     |                        |                      | WET SCRUBBERS                                                | 99.00                      |
|                                     |                        |                      | QUENCH TOWER/PACKED TOWER                                    |                            |
| BOILER, 2                           | 382.40 MMBTU/H EA      | PM                   | 0.0500 LB/MMBTU                                              | BACT                       |
|                                     |                        |                      | BAGHOUSE                                                     | 99.00                      |
|                                     |                        | SO2                  | 1.2000 LB/MMBTU                                              | BACT                       |
|                                     |                        |                      | LOW SULFUR COAL                                              |                            |
|                                     |                        | NOX                  | 0.7000 LB/MMBTU                                              | NSPS                       |
|                                     |                        |                      | DESIGN & OPERATION                                           |                            |
|                                     |                        | CO                   | 0.0400 LB/MMBTU                                              | BACT                       |
| BOILER, 2                           | 382.40 MMBTU/H EA      | PM                   | 0.0500 LB/MMBTU                                              | BACT                       |
|                                     |                        |                      | BAGHOUSE                                                     | 99.00                      |
|                                     |                        | SO2                  | 1.2000 LB/MMBTU                                              | BACT                       |
|                                     |                        |                      | LOW SULFUR COAL                                              |                            |
|                                     |                        | NOX                  | 0.7000 LB/MMBTU                                              | NSPS                       |
|                                     |                        |                      | DESIGN & OPERATION                                           |                            |
|                                     |                        | CO                   | 0.0400 LB/MMBTU                                              | BACT                       |
| BOILERS, 2                          | 249.00 MMBTU/H EA      | PM                   | 0.0500 LB/MMBTU                                              | BACT                       |
|                                     |                        |                      | BAGHOUSE                                                     | 99.00                      |
|                                     |                        | SO2                  | 1.2000 LB/MMBTU                                              | BACT                       |
|                                     |                        |                      | LOW SULFUR COAL                                              |                            |
|                                     |                        | NOX                  | 0.7000 LB/MMBTU                                              | NSPS                       |
|                                     |                        |                      | DESIGN & OPERATION                                           |                            |
|                                     |                        | CO                   | 0.0400 LB/MMBTU                                              | BACT                       |



# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- GENERAL MANUFACTURING AND FABRICATION 75.00 CARS/H  
 COMPANY NAME/SITE LOCATION GENERAL MOTORS KANAS CITY, KS  
 MYANDOTTE COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE. DATE OF PERMIT ISSUANCE-- 04/13/81  
 PERMIT NO. ESTIMATED DATE OF START-UP--  
 DETERMINATION MADE BY EPA REGION VII DANIEL RODRIGUEZ (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 |
|----------------------------------|---------------------|-------------------|-----------------------------------------------------------|-------------------------|
|----------------------------------|---------------------|-------------------|-----------------------------------------------------------|-------------------------|

|                                  |                    |     |                                       |      |
|----------------------------------|--------------------|-----|---------------------------------------|------|
| BOILERS, COAL FIRED SPREADER-ST* | 820.00 MBTU/H (TO* | S02 | 1.2000 LB/MBTU 30 D AV<br>1.6000 MAX. | BACT |
|                                  |                    | PM  | LOW SULFUR COAL<br>0.0300 LB/MBTU     | BACT |
|                                  |                    | NOX | BAGHOUSE<br>0.6000 LB/MBTU            | BACT |
|                                  |                    |     | BOILER DESIGN                         |      |

NOTES -----  
 KANSAS DETERMINED LAER AND ISSUED PERMIT FOR VOC. CONSTRUCTION HAS BEEN DELAYED DUE TO GM'S LACK OF MONEY.

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- GENERAL MANUFACTURING AND FABRICATION  
 COMPANY NAME/SITE LOCATION GM DELCO PRODUCTS DIV  
 2000 FORRER BLVD.  
 KETTERING, OH 45429  
 MONTGOMERY COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.  
 PERMIT NO. 08-144  
 DETERMINATION MADE BY RAPCA - DAYTON, OH  
 (AGENCY)  
 JAMES GROSS  
 (AGENCY CONTACT PERSON)  
 DATE OF PERMIT ISSUANCE-- 05/11/79  
 ESTIMATED DATE OF START-UP-- 1980  
 (513)-225-4435  
 (PHONE)

| PROCESSES SUBJECT TO THIS PERMIT | THROUGHPUT CAPACITY | POLLUTANT EMITTED | EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION | ... & BASIS ... PCT EFF |
|----------------------------------|---------------------|-------------------|-----------------------------------------------------------|-------------------------|
| BOILER #4                        | 150.00 MMBTU/H      | PM                | 0.0600 LB/MMBTU                                           | BACT 99.00              |
|                                  |                     | SO2               | 1.2000 LB/MMBTU                                           | BACT                    |
|                                  |                     |                   | LOW SULFUR COAL                                           |                         |

NOTES -----  
 RAM VERSION 78001 MODEL, WITH URBAN COEFFICIENTS AND HOURLY MET. DATA (1970-74), WAS USED TO ESTIMATE POLLUTANT'S IMPACTS.

# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- GENERAL MANUFACTURING AND FABRICATION 120000.00 LB/H STEAM

COMPANY NAME/SITE LOCATION GM HYDRA-MATIC 1 HYDRA-MATIC DRIVE THREE RIVERS, MI 49093 ST. JOSEPH COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE. DATE OF PERMIT ISSUANCE-- 06/15/79  
 PERMIT NO. 657-78 ESTIMATED DATE OF START-UP-- 1981  
 DETERMINATION MADE BY MICHIGAN DNR JOHN CAUDELL (517)-322-1333  
 (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, COAL FIRED, 2 EA | 60000.00 LB/H | PM  | 0.0600 LB/MMBTU BAGHOUSE                     | 98.90 |
|                           |               | SO2 | 1.4000 LB/MMBTU 1 1/2 S COAL                 |       |
|                           |               | NOX | 0.6000 LB/MMBTU CONTRL EXCESS & OVERFIRE AIR |       |
|                           |               | PM  | 0.0300 GR/DSCF BAG FILTERS DUST SUPPRESSION  |       |
| COAL & ASH HANDLING       |               |     |                                              |       |

NOTES -----

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.



# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- GENERAL MANUFACTURING AND FABRICATION 160000.00 LB/H  
 COMPANY NAME/SITE LOCATION GM PROVING GROUND MILFORD, MI 48000 OAKLAND COUNTY

DETERMINATION IS BACT DATE OF PERMIT ISSUANCE-- 09/03/81  
 PERMIT NO. 658-78 ESTIMATED DATE OF START-UP-- 1982  
 DETERMINATION MADE BY MICHIGAN DNR JOHN CAUDELL (517)-322-1333  
 (AGENCY) (AGENCY CONTACT PERSON) (PHONE)

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

BOILERS, COAL FIRED, 4 EA 40000.00 LB/H EA PM 0.0300 LB/MMBTU BAGHOUSE 99.90  
 SO2 1.6000 LB/MMBTU 1/2 S COAL  
 NOX 0.6000 LB/MMBTU CONTRL EXCESS & OVERFIRE AIR

COAL & ASH HANDLING PM 0.0300 GR/DSCF BAGFILTERS DUST SUPPRESSION

NOTES -----

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- GENERAL MANUFACTURING AND FABRICATION 75.00 CARS/H

COMPANY NAME/SITE LOCATION GMC ASSEMBLY PLANT LAKE ORION, MI 48000 OAKLAND COUNTY  
GIDDING RD.

DETERMINATION IS LAER FOR A NEW SOURCE. DATE OF PERMIT ISSUANCE-- 06/01/80  
PERMIT NO. 194-80 ESTIMATED DATE OF START-UP-- 1982  
DETERMINATION MADE BY MICHIGAN DNR GREGORY EDWARDS (517)-322-1333  
(AGENCY) (AGENCY CONTACT PERSON) (PHONE)

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

|                  |              |     |                                               |      |
|------------------|--------------|-----|-----------------------------------------------|------|
| PAINTING EQUIPT. | 75.00 CARS/H | PM  | 3.0000 GR/MCF EXHAUST                         | LAER |
| PAINT PRIMER     | 75.00 CARS/H | VOC | 304.5000 LB/H CATHODIC ELECTRO PROCESS        | LAER |
|                  |              | VOC | 663.0000 LB/H HIGH SOL PAINT, H2O BORNE PAINT | LAER |

NOTES -----

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- GENERAL MANUFACTURING AND FABRICATION 826.66

COMPANY NAME/SITE LOCATION GMC ASSEMBLY PLANT LAKE ORION, MI 48000 OAKLAND COUNTY  
GIDDINGS RD.

DETERMINATION IS BACT FOR A NEW SOURCE. DATE OF PERMIT ISSUANCE-- 06/01/80  
PERMIT NO. 208-80 ESTIMATED DATE OF START-UP-- 1982  
DETERMINATION MADE BY MICHIGAN DNR (517)-322-1333  
(AGENCY) (AGENCY CONTACT PERSON) (PHONE)

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

|                 |                  |     |                          |  |
|-----------------|------------------|-----|--------------------------|--|
| SPREADER-STOKER | 85.00 MMBTU/H EA | SO2 | 1.6000 LB/MMBTU 24 H AV  |  |
|                 |                  | NOX | LOW SULFUR COAL (< 1% S) |  |
|                 |                  | PM  | 0.6000 LB/MMBTU          |  |
|                 |                  |     | 0.0300 LB/MMBTU          |  |
|                 |                  |     | BAGHOUSE                 |  |

|                               |  |    |                       |       |
|-------------------------------|--|----|-----------------------|-------|
| COAL & ASH HANDLING EQUIPMENT |  | PM | 0.0300 GR/DSCF        | 99.00 |
|                               |  |    | ENCLOSURES & BAGHOUSE |       |

|                          |                   |     |                          |       |
|--------------------------|-------------------|-----|--------------------------|-------|
| BOILER, COAL FIRED, 3 EA | 247.22 M BTU/H EA | SO2 | 1.6000 LB/MMBTU 24 H AV  |       |
|                          |                   | NOX | LOW SULFUR COAL (< 1% S) |       |
|                          |                   | PM  | 0.6000 LB/MMBTU          |       |
|                          |                   |     | 0.0300 LB/MMBTU          |       |
|                          |                   |     | BAGHOUSE                 | 98.00 |

NOTES -----

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- GENERAL MANUFACTURING AND FABRICATION 75.00 AUTOS/H

COMPANY NAME/SITE LOCATION GMC CADILLAC MOTORS CORP.  
HAMTRACK INDUST. PARK DETROIT, MI WAYNE COUNTY

DETERMINATION IS LAER FOR A NEW SOURCE.  
PERMIT NO. C-5763 THRU C-5763 DATE OF PERMIT ISSUANCE-- 06/10/81  
DETERMINATION MADE BY WAYNE COUNTY APCD ESTIMATED DATE OF START-UP-- 1983  
(AGENCY) (AGENCY CONTACT PERSON) (313)-224-4693 (PHONE)

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

|                |                  |     |                                                          |       |
|----------------|------------------|-----|----------------------------------------------------------|-------|
| BODY WELDING   | 382050.00 VEH/YR | PM  | NO VIS. EMISS.<br>ZONE ESP                               |       |
| BRONZE WELDING | 382050.00 VEH/YR | PM  | NO VIS. EMISS.<br>HOOD AND ESP                           | 99.00 |
| ROUGH GRIND    | 382050.00 VEH/YR | PM  | 3.0000 GR/MCF<br>ZONE ESP & BAGHOUSE                     |       |
| FINISH GRIND   | 382050.00 VEH/YR | PM  | 3.0000 GR/MCF<br>ZONE ESP & BAGHOUSE                     |       |
| OLEUM DECK     | 382050.00 VEH/YR | VOC | 3.6000 LB/GAL WITH H2O<br>H2O DISPURSED SOLVENT          |       |
| ELPO PRIMER    | 382050.00 VEH/YR | VOC | 0.1600 KG/L APPL. SOL.<br>AQUEOUS CATHODIC ELECTRO-DEPO. |       |

(CONTINUED) GMC CADILLAC MOTORS CORP.

| PROCESSES SUBJECT<br>TO THIS PERMIT | THROUGHPUT<br>CAPACITY | POLLUTANT<br>EMITTED | EMISSION LIMITS<br>CONTROL EQUIPMENT OR PROCESS MODIFICATION                        | ... & BASIS<br>... PCT EFF |
|-------------------------------------|------------------------|----------------------|-------------------------------------------------------------------------------------|----------------------------|
| PRIMER/SURFACER                     | 382050.00 VEH/YR       | VOC                  | 3.2000 LB/GAL APPL. SOL<br>62.0000 % TRANSFER EFF<br>HIGH SOLIDS ENAMEL & ELECT. SP |                            |
|                                     |                        | PM                   | 98.0000 % OVERSPRAY CONTRL<br>WATER WASH BOOTH                                      |                            |
|                                     |                        | PM                   | 98.0000 % OVERSPRAY CONTRL<br>WATER WASH BOOTH                                      |                            |
|                                     |                        | VOC                  | 2.8000 LB/GAL APPL. SOL<br>37.0000 % TRANSFER EFF<br>SEE NOTE                       |                            |
| ALL TOPCOAT PAINT BOOTHS            | 382050.00 VEH/YR       |                      |                                                                                     |                            |
| TRUCK COATING                       | 382050.00 VEH/YR       | PM                   | NO VIS. EMISS.<br>DRY FILTERS                                                       |                            |
|                                     |                        | VOC                  | 2.8000 LB/GAL APPL. SOL<br>SEE NOTE                                                 |                            |
| ANTI-CORROSION, DOORS               | 382050.00 VEH/YR       | PM                   | 1.0000 GR/MCF<br>DRY FILTERS                                                        |                            |
|                                     |                        | VOC                  | 4.4000 LB/GAL APPL. SOL<br>HIGH SOLIDS WAX                                          |                            |
| ANTI-CORROSION, FENDERS             | 382050.00 VEH/YR       | VOC                  | 4.0000 LB/GAL APPL. SOL<br>HIGH SOLIDS WAX                                          |                            |
| UNDERBODY DEADNER                   | 382050.00 VEH/YR       | PM                   | 98.0000 % OVERSPRAY CONTRL<br>WATER WASH BOOTH                                      |                            |
|                                     |                        | VOC                  | 0.4200 LB/GAL APPL. SOL<br>H2O DISPURSED MATL.                                      |                            |
| SHALL PARTS                         | 382050.00 VEH/YR       | PM                   | 98.0000 % OVERSPRAY CONTRL<br>WATER WASH BOOTH                                      |                            |
|                                     |                        | VOC                  | 2.8000 LB/GAL APPL. SOL<br>SEE NOTE                                                 |                            |

(CONTINUED) GMC CADILLAC MOTORS CORP.

| PROCESSES SUBJECT<br>TO THIS PERMIT | THROUGHPUT<br>CAPACITY | POLLUTANT<br>EMITTED | EMISSION LIMITS<br>CONTROL EQUIPMENT OR PROCESS MODIFICATION | ... & BASIS<br>... PCT EFF |
|-------------------------------------|------------------------|----------------------|--------------------------------------------------------------|----------------------------|
| TEMP. SENSITIVE PARTS BOOTH         | 382050.00 VEH/YR       | PM                   | 98.0000 % OVERSPRAY CONTRL<br>WATER WASH BOOTH               |                            |
|                                     |                        | VOC                  | 6.0000 LB/GAL APPL. SOL<br>LACQUER DRIED AT 160 DEG F        |                            |
| FLEXIBLE PARTS                      | 382050.00 VEH/YR       | PM                   | 98.0000 % OVERSPRAY CONTRL<br>WATER WASH BOOTH               |                            |
|                                     |                        | VOC                  | 2.6000 LB/GAL APPL. SOL<br>25% TE - BASE COAT                |                            |
|                                     |                        | VOC                  | 4.2000 LB/GAL APPL. SOL<br>30% TE - CLEAR COAT               |                            |
| WHEEL BOOTH                         | 382050.00 VEH/YR       | PM                   | 98.0000 % OVERSPRAY CONTRL<br>WATER WASH BOOTH               |                            |
|                                     |                        | VOC                  | 2.8000 LB/GAL APPL. SOL<br>WATERBORNE ENAMEL                 |                            |
| FINAL REPAIR                        | 382050.00 VEH/YR       | PM                   | 1.0000 GR/MCF<br>DRY FILTERS                                 |                            |
|                                     |                        | VOC                  | 4.8000 LB/GAL APPL. SOL                                      |                            |
| SEALER/ADHESIVES                    | 382050.00 VEH/YR       | VOC                  | 70.9000 LB/H<br>USE OF AVAILABLE MATERIALS                   |                            |
| PAINT RACK BURST-OFF                |                        | PM                   | 1.0000 GR/MCF<br>BAGHOUSE                                    |                            |

NOTES -----  
USE OF HIGH SOLIDS ENAMEL WITH PARTIAL USE OF ELECTROSTATIC SPRAY (OVERALL 37% TRANSFER EFF.) AND USE OF BAKE OVEN VOC EMISSION INCINERATION

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- GENERAL MANUFACTURING AND FABRICATION 75.00 AUTOS/H

COMPANY NAME/SITE LOCATION GMC CADILLAC MOTORS CORP. DETROIT, MI WAYNE COUNTY  
HAMTRAMCK INDUST. PARK

DETERMINATION IS B/L FOR A NEW SOURCE. DATE OF PERMIT ISSUANCE-- 06/10/81  
PERMIT NO. C-5764 THRU C-5775 ESTIMATED DATE OF START-UP-- 1983  
DETERMINATION MADE BY WAYNE COUNTY APCD (313)-224-4693  
(AGENCY) (AGENCY CONTACT PERSON) (PHONE)

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

BOILER, POWERHOUSE, 3 EA 247.00 MMBTU/H PM 0.0300 LB/MMBTU BAGHOUSE LAER

NOX 0.6000 LB/MMBTU BAGHOUSE LAER  
SO2 1.1000 LB/MMBTU BAGHOUSE BACT  
CO LOW S COAL COMBUSTION CONTRL LAER

ASH TRANSFER PM 0.0100 LB/MLB EXHAUST BAGHOUSE FOR PNEU. TRANS

COAL UNLOADING 181000.00 T/YR PM H2O SPRAY/ENCLOSURE WITH ROOF

COAL HANDLING 181000.00 T/YR PM NO VIS. EMISS. ENCLOSED CONVEYOR & BAGHOUSE

COAL STORAGE 80000.00 SQF PAD. PM NO VIS. EMISS. CONCRETE STOR. PAD/SPRINK. SYS

(CONTINUED) GMC CADILLAC MOTORS CORP.

| PROCESSES SUBJECT<br>TO THIS PERMIT | THROUGHPUT<br>CAPACITY | POLLUTANT<br>EMITTED | EMISSION LIMITS<br>CONTROL EQUIPMENT OR PROCESS MODIFICATION | ... & BASIS<br>... PCT EFF |
|-------------------------------------|------------------------|----------------------|--------------------------------------------------------------|----------------------------|
| ASH SILO                            | 300.00 T               | PM                   | 0.0100 LB/MLB EXHAUST<br>PRIM. & SEC. CYC. & BAGHOUSE        |                            |
| ASH LOADOUT                         |                        | PM                   | NO VIS. EMISS.<br>WETTED ASH DISCH. & COVERED TR             |                            |

NOTES -----  
LIMITS ARE FOR WHOLE PLANT

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.



# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

## SOURCE TYPE/SIZE--- GENERAL MANUFACTURING AND FABRICATION

COMPANY NAME/SITE LOCATION GMC CHEVROLET MOTOR DIV.  
100 FITZGERALD ST.

BAY CITY, MI 48706

BAY COUNTY

DETERMINATION IS LAER FOR A MODIFIED SOURCE.

PERMIT NO. 488-79

DETERMINATION MADE BY

MICHIGAN DNR  
(AGENCY)

JOHN VIAL  
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 03/01/80  
ESTIMATED DATE OF START-UP-- 1980  
(517)-322-1333  
(PHONE)

PROCESSES SUBJECT  
TO THIS PERMIT

THROUGHPUT  
CAPACITY

POLLUTANT  
EMITTED

EMISSION LIMITS  
CONTROL EQUIPMENT OR PROCESS MODIFICATION

... & BASIS  
... PCT EFF

STANDS, CARBURETOR TEST,40 EA

VOC

0.2000 PPH

INCINERATOR

LAER  
99.90

NOTES -----

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

PAGE G-1003

ID NUMBER MI-0023

SOURCE TYPE CODE 11.0

# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- GENERAL MANUFACTURING AND FABRICATION

COMPANY NAME/SITE LOCATION HILTI INDUSTRIES, INC

TULSA, OK

DETERMINATION IS BACT FOR A NEW SOURCE.

PERMIT NO. T79-27

DETERMINATION MADE BY

TULSA CITY-COUNTY HEALTH DEPT

(AGENCY)

BILL GIBBONS

(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 08/08/79

ESTIMATED DATE OF START-UP-- 1980

(918)-744-1000

(PHONE)

PROCESSES SUBJECT TO THIS PERMIT

THROUGHPUT CAPACITY

POLLUTANT EMITTED

EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION

... & BASIS ... PCT EFF

ZINC PLATING

9.50 MMLB/YR

PM

BACT

BLACK MANGANESE-PHOSPHATE LINE

9.50 MMLB/YR

PM

BACT

RUSH INHIBITOR LINE

9.50 MMLB/YR

PM

BACT

RACK STRIP LINE

9.50 MMLB/YR

PM

BACT

NOTES

CONTROL EFFICIENCIES BASED ON APPLICANT'S TESTING OF SIMILAR EQUIPMENT.

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

PAGE 6-1004

ID NUMBER OK-0017

SOURCE TYPE CODE 11.0

# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- GENERAL MANUFACTURING AND FABRICATION

COMPANY NAME/SITE LOCATION IBM

OWEGO, NY

DETERMINATION IS BACT FOR A NEW SOURCE.

DATE OF PERMIT ISSUANCE-- 05/12/82  
ESTIMATED DATE OF START-UP--  
(212)-264-9578  
(PHONE)

DETERMINATION MADE BY EPA REGION II  
(AGENCY)

PAUL KAHN  
(AGENCY CONTACT PERSON)

PROCESSES SUBJECT  
TO THIS PERMIT

THROUGHPUT  
CAPACITY

POLLUTANT  
EMITTED

EMISSION LIMITS  
CONTROL EQUIPMENT OR PROCESS MODIFICATION

... & BASIS  
... PCT EFF

GAS TURBINE, 2 EA

2.50 MW

NOX

B/N

COMBUSTION CONTROLS

SO2

B/N

#2 OIL, S > 0.5%

IC ENGINES, 2 EA

180.00 KW

SO2

BACT

#2 OIL, S > 0.5%

OC ENGINE

150.00 KW

SO2

BACT

#2 OIL, S > 0.5%

NOTES -----

OPERATING HOURS NOT TO EXCEED 720 HOURS PER YEAR PER UNIT, GAS TURBINE MUST COMPLY WITH NSPS SUBPART GG.

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

PAGE 6-1005

ID NUMBER NY-0006

SOURCE TYPE CODE 11.0

# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- GENERAL MANUFACTURING AND FABRICATION 59.00 MW

COMPANY NAME/SITE LOCATION IBM CORP. SAN JOSE, CA 95193

DETERMINATION IS BACT FOR A MODIFIED SOURCE. DATE OF PERMIT ISSUANCE-- 06/09/82  
 PERMIT NO. SFB-82-01 ESTIMATED DATE OF START-UP--  
 DETERMINATION MADE BY EPA REGION IX DAVID SOLOMON (415)-974-8240  
 (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 | 4100.00 GAL/H | SO2 | 223.0000 LB/H                   | BACT  |
|         |               |     | 0.3% S FUEL OIL                 |       |
|         |               | NOX | 142.0000 LB/H                   | BACT  |
|         |               |     | 40.0000 PPM                     |       |
|         |               |     | H2O INJECT.-0.94 LB H2O/LB FUEL | 80.00 |

NOTES -----  
 #2 FUEL OIL AT NO GREATER THAN 0.3% SULFUR.

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- GENERAL MANUFACTURING AND FABRICATION

COMPANY NAME/SITE LOCATION IBM CORP. LEXINGTON, KY 40511  
740 NEW CIRCLE RD.

DETERMINATION IS LAER FOR A MODIFIED SOURCE. DATE OF PERMIT ISSUANCE-- 06/23/78  
PERMIT NO. C-78-18 ESTIMATED DATE OF START-UP-- 1979  
DETERMINATION MADE BY KENTUCKY DAPC (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 |
|----------------------------------|---------------------|-------------------|-----------------------------------------------------------|-------------------------|
| KILO 3 & 4 COATERS               | 230.40 LB/H         | VOC               | CARBON ADSORBERS & ENCLOSURES                             | LAER 88.00              |
| KILO 5 & 6 COATERS               | 230.40 LB/H         | VOC               | CARBON ADSORBERS & ENCLOSURES                             | LAER 95.00              |

NOTES -----  
EFFICIENCY INCLUDES LOSSES FROM INK MIXING, COATING, DRYING, INTERMEDIATE STORAGE, CLEANUPS, AND SOLVENT RECOVERY SYSTEMS.  
KILO 5 & 6 ARE COVERED UNDER PERMIT # C-80-103, WITH A STARTING DATE OF 12/01/81 AND PERMIT DATE OF 10/16/80.

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

## SOURCE TYPE/SIZE--- GENERAL MANUFACTURING AND FABRICATION

COMPANY NAME/SITE LOCATION POOL CO. SAN ANGELO, TX TOM GREEN COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE. DATE OF PERMIT ISSUANCE-- 09/28/82  
 PERMIT NO. X3714 ESTIMATED DATE OF START-UP-- 1983  
 DETERMINATION MADE BY TEXAS ACB RANDY HAMILTON (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 |
|----------------------------------|---------------------|-------------------|-----------------------------------------------------------|-------------------------|
|----------------------------------|---------------------|-------------------|-----------------------------------------------------------|-------------------------|

|                   |  |        |                                   |       |
|-------------------|--|--------|-----------------------------------|-------|
| ABRASIVE CLEANERS |  | PM     | 0.4000 T/YR WET SCRUBBER          | 99.00 |
|                   |  | VOC PM | 12.4000 T/YR SEE NOTE DRY FILTERS | 90.00 |

NOTES -----  
 VOC EMISSION BASED ON 3 LB VOC/GAL PRIMER & 4 LB VOC/GAL FINISH COATINGS.

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- GENERAL MANUFACTURING AND FABRICATION 360.00 MMBTU/H

COMPANY NAME/SITE LOCATION PROCTOR & GAMBLE STATEN ISLAND, NY

DETERMINATION IS BACT FOR A NEW SOURCE. DATE OF PERMIT ISSUANCE-- 02/25/82  
 PERMIT NO. ESTIMATED DATE OF START-UP-- 1984  
 DETERMINATION MADE BY EPA REGION II EDWARD NOWAK (212)-264-8690  
 (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            | 360.00 MMBTU/H | PM | 0.1000 LB/MMBTU<br>0.0500 GR/DSCF                                         | BACT  |
|                   |                | CO | MULTICLONE & VENTURI SCRUBBER<br>0.2200 LB/MMBTU<br>PROPER COMBUSTION AIR | 85.00 |
|                   |                | PM | 0.0500 GR/DSCF                                                            | BACT  |
| HOGGING OPERATION |                | VE | BAGHOUSE / MULTICLONE<br>20.0000 % OPACITY                                | 80.00 |

NOTES -----

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- INSTITUTIONAL/COMMERCIAL

COMPANY NAME/SITE LOCATION CHATTANOOGA-HAMILTON COUNTY HOSPITAL AU# CHATTANOOGA, TN  
975 E. THIRD ST.

DETERMINATION IS BACT FOR A NEW SOURCE. DATE OF PERMIT ISSUANCE-- 03/15/82  
PERMIT NO. 0150-50200505-01I ESTIMATED DATE OF START-UP-- 1983  
DETERMINATION MADE BY CHATTANOOGA APCB HARVEY RICE (615)-867-4321  
(AGENCY) (AGENCY CONTACT PERSON) (PHONE)

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

INCINERATOR 1250.00 LB/H CHARGE\* PM 0.0800 GR/DSCF BACT  
0.1000 LB/100 LB CHARGED  
CONTROLLED COMBUSTION

NOTES -----  
THIS EQUIPMENT WILL BE CAREFULLY OPERATED TO MINIMIZE EMISSIONS. A STOICHIOMETRIC MIXTURE WILL BE MAINTAINED IN THE COMBUSTION CHAMBERS BY INSTRUMENTATION.

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.



# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- INSTITUTIONAL/COMMERCIAL

COMPANY NAME/SITE LOCATION CHATTANOOGA-HAMILTON COUNTY HOSPITAL AU\* CHATTANOOGA, TN  
975 E. THIRD ST.

DETERMINATION IS BACT FOR A NEW SOURCE. DATE OF PERMIT ISSUANCE-- 03/15/82  
PERMIT NO. 0150-50200505-021 ESTIMATED DATE OF START-UP-- 1983  
DETERMINATION MADE BY CHATTANOOGA APCB HARVEY RICE  
(AGENCY) (AGENCY CONTACT PERSON) (615)-867-4321  
(PHONE)

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

INCINERATOR 1250.00 LB/H CHARGE\* PM 0.0800 GR/DSCF BACT  
0.1000 LB/100 LB CHARGED  
CONTROLLED COMBUSTION

NOTES -----  
THIS EQUIPMENT WILL BE CAREFULLY OPERATED TO MINIMIZE EMISSIONS. A STOICHIOMETRIC MIXTURE WILL BE MAINTAINED IN THE COMBUSTION  
CHAMBERS BY INSTRUMENTATION. LIMITED TO 4100 HRS OPERATION PER YEAR.

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

PAGE G-1011

ID NUMBER TN-0017A

SOURCE TYPE CODE 12.0

# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- INSTITUTIONAL/COMMERCIAL

COMPANY NAME/SITE LOCATION NORTHERN MICHIGAN UNIV.

MARQUETTE, MI 49855

MARQUETTE COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.

PERMIT NO. 121-80

DETERMINATION MADE BY MICHIGAN DNR  
(AGENCY)

JOHN CAUDELL  
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 10/20/81  
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

COAL-FIRED BOILERS, 3 EA 60000.00 BTU/H

PM 0.0300 LB/MMBTU  
BAGHOUSE

SO2 1.4000 LB/MMBTU

NOX LOW SULFUR COAL

0.6000 LB/MMBTU

CONTROL EXCESS & OVERFIRE AIR

COAL & ASH HANDLING & STORAGE

PM 0.0300 GR/DSCF

ENCLOSURES & BAG FILTERS

NOTES -----

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

PAGE 6-1012

ID NUMBER MI-0003

SOURCE TYPE CODE 12.0

# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- INSTITUTIONAL/COMMERCIAL

COMPANY NAME/SITE LOCATION RADFORD ARMY AMMUNITION PLANT

RADFORD, VA

MONTGOMERY/PULASKI COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.

PERMIT NO. 79VA07

DETERMINATION MADE BY EPA REGION III

(AGENCY)

VERNON BUTLER

(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 03/27/80

ESTIMATED DATE OF START-UP-- 1984

(215)-597-2711

(PHONE)

PROCESSES SUBJECT TO THIS PERMIT

THROUGHPUT CAPACITY

POLLUTANT EMITTED

EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION

... & BASIS ... PCT EFF

CAMB THERMAL DEHYDRATOR

2.40 MMLB/MONTH

PM

0.9000 LB/H

SCRUBBER

VOC

217.0000 LB/H

BACT 99.00 BACT

NOTES -----

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

PAGE G-1013

ID NUMBER VA-0010

SOURCE TYPE CODE 12.0

# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- INSTITUTIONAL/COMMERCIAL 68.00 MMBTU/H

COMPANY NAME/SITE LOCATION UNIVERSITY HOSPITAL CINCINATI, OH HAMILTON COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE. DATE OF PERMIT ISSUANCE--  
 PERMIT NO. 1431070207B003 ESTIMATED DATE OF START-UP--  
 DETERMINATION MADE BY SOUTHWEST OHIO, APCA STANLY KOZEMBA (513)-251-8777  
 (AGENCY) (AGENCY CONTACT PERSON) (PHONE)

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

BOILER, COAL FIRED 68.00 MMBTU/H PM 0.2250 LB/MMBTU CYCLONE 94.00  
 SO2 2.0000 LB/MMBTU

NOTES -----

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- INSTITUTIONAL/COMMERCIAL

COMPANY NAME/SITE LOCATION UNIVERSITY OF CINCINNATI CINCINNATI, OH HAMILTON COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.  
 PERMIT NO. 1431070849  
 DETERMINATION MADE BY EPA REGION V  
 (AGENCY) BONIFACE THAYIL  
 (AGENCY CONTACT PERSON) (312)-886-6054  
 (PHONE) DATE OF PERMIT ISSUANCE-- 11/13/81  
 ESTIMATED DATE OF START-UP--

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

HEATING PLANT - COAL

PM 0.1800 LB/MMBTU  
 SO2 MULTIPLE CYC & HOPPER EVACUAT.  
 1.6000 LB/MMBTU

NOTES -----  
 SIX MONTH PERIOD WITH MULTIPLE CYCLONE ONLY IN ORDER TO PROPERLY SIZE HOPPER EVACUATION SYS. CONTINUOUS OPACITY MONITORS TO BE  
 INSTALLED.

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

PAGE 6-1015 ID NUMBER OH-0019 SOURCE TYPE CODE 12.0

# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- INSTITUTIONAL/COMMERCIAL

COMPANY NAME/SITE LOCATION UNIV. OF MICH., CEN HEATING PLANT ANN ARBOR, MI 48104 WASHTENAW COUNTY  
1120 E. HURON ST.

DETERMINATION IS BACT FOR A NEW SOURCE. DATE OF PERMIT ISSUANCE-- 09/01/80  
PERMIT NO. 531-78 ESTIMATED DATE OF START-UP-- 1982  
DETERMINATION MADE BY MICHIGAN DNR JOHN CAUDELL (517)-322-1333  
(AGENCY) (AGENCY CONTACT PERSON) (PHONE)

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

BOILERS, GAS/OIL-FIRED 220.00 MLB/H EA

|     |        |                              |  |
|-----|--------|------------------------------|--|
| S02 | 0.5200 | LB/MMBTU                     |  |
|     |        | LOW S OIL                    |  |
| NOX | 0.3000 | LB/MMBTU OIL                 |  |
|     |        | CONTRL EXCESS & OVERFIRE AIR |  |
| NOX | 0.2000 | LB/MMBTU GAS                 |  |
|     |        | CONTRL EXCESS & OVERFIRE AIR |  |

NOTES -----  
2 OIL OR GAS-FIRED BOILERS.

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

# APPENDIX -- DETAILED SOURCE LISTING

04/29/1983

SOURCE TYPE/SIZE--- INSTITUTIONAL/COMMERCIAL 318.00 MMBTU/H

COMPANY NAME/SITE LOCATION US AIRFORCE-MALMSTROM GREAT FALLS, MT 59402 CASCADE COUNTY  
MALSTROM AFB

DETERMINATION IS BACT FOR A MODIFIED SOURCE.  
PERMIT NO. DATE OF PERMIT ISSUANCE-- 06/01/81  
DETERMINATION MADE BY EPA REGION VIII JOHN DALE ESTIMATED DATE OF START-UP-- 1984  
(AGENCY) (AGENCY CONTACT PERSON) (303)-837-3763 (PHONE)

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

| 3 HEATERS      | 318.00 MMBTU/H | NOX | 0.5000 LB/MMBTU<br>106.0000 LB/H | BOILER DESIGN | BACT          |
|----------------|----------------|-----|----------------------------------|---------------|---------------|
|                |                | PM  | 7.6000 LB/H<br>FF                |               | BACT<br>99.80 |
|                |                | SO2 | 0.3200 LB/MMBTU<br>67.8000 LB/H  |               | BACT          |
|                |                |     | DRY SCRUB                        |               | 85.00         |
| COAL CONV      | 36.00 MT/YR    | PM  | 1.0000 T/YR<br>ENCLOSURE         |               | BACT<br>95.00 |
| COAL STOCKPILE | 36.00 MT/YR    | PM  | 1.0000 T/YR<br>TELE CHUTE        |               | BACT<br>75.00 |
| HANDLING(ASH)  |                | PM  | WATERSPRAYS                      |               | BACT<br>0.00  |

(CONTINUED) US AIRFORCE-MALMSTROM

| PROCESSES SUBJECT<br>TO THIS PERMIT | THROUGHPUT<br>CAPACITY | POLLUTANT<br>EMITTED | EMISSION LIMITS<br>CONTROL EQUIPMENT OR PROCESS MODIFICATION | ... & BASIS<br>... PCT EFF |
|-------------------------------------|------------------------|----------------------|--------------------------------------------------------------|----------------------------|
| LIME SYS                            |                        | PM                   | 6.0000 T/YR<br>FF                                            | BACT<br>99.60              |
| PILE RECLAIM                        | 36.00 MT/YR            | PM                   | 1.0000 T/YR                                                  | BACT                       |
| WIND EROSION                        |                        | PM                   | 27.0000 T/YR                                                 | BACT                       |

NOTES -----  
HIGH TEMPERATURE WATER. TWO UNITS OPERATING AN ONCE.

U.S. Environmental Protection Agency  
Office of Air Quality Planning  
Washington, D.C. 20460  
Chicago, Illinois 60604

(\*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.