

US EPA ARCHIVE DOCUMENT

|    | B                                    | C   |
|----|--------------------------------------|---|
| 1  | <b>Source Description</b>            |   |
| 2  |                                      |   |
| 3  | Phase II ID No.                      | 1005  |
| 4  | EPA ID No.                           | TXD008076846  |
| 5  | Facility Name                        | Huntsman Corp. (formerly Texaco)  |
| 6  | Facility Location                    |   |
| 7  | City                                 | Port Neches   |
| 8  | State                                | TX  |
| 9  | Unit ID Name/No.                     | Boiler # 1 (6-BB-1) At C4 Facility  |
| 10 | Other Sister Facilities              | Boiler # 2 (6-BB-2)   |
| 11 | Number of Sister Facilities          | 1   |
| 12 | Combustor Class                      | Liquid-fired boiler   |
| 13 | Combustor Type                       | Liquid injection  |
| 14 | Combustor Characteristics            | Steam Boilers - Babcock & Wilcox units, built in 1943; Rated @ 594 MMBtu/hr with 495,000 lb/hr steam @ 500 psig and 563 F |
| 15 | Capacity (MMBtu/hr)                  | 549   |
| 16 | Soot Blowing                         | Yes   |
| 17 | APCS Detailed Acronym                | None  |
| 18 | APCS General Class                   | None  |
| 19 | APCS Characteristics                 | None  |
| 20 | Hazardous Wastes                     | Liq   |
| 21 | Haz Waste Description                | "Polyblend"   |
| 22 | Supplemental Fuel                    | Process gas, oil  |
| 23 |                                      | Sponge oil  |
| 24 | Stack Characteristics                |   |
| 25 | Diameter (ft)                        | 12.8  |
| 26 | Height (ft)                          | 85.0  |
| 27 | Gas Velocity (ft/sec)                | 32  |
| 28 | Gas Temperature (°F)                 | 265   |
| 29 |                                      |   |
| 30 | Permitting Status                    |   |
| 31 | HWC Burn Status (Date if Terminated) |   |

|    | B                       | C  |
|----|-------------------------|--|
| 1  | <b>Cond Description</b> |  |
| 2  |                         |  |
| 3  | <b>1005C1</b>           |  |
| 4  |                         |  |
| 5  | Report Name/Date        | Test Report on Re-Certification of Compliance of Boiler No. 1 & Annual Performance Test on 2 CEMS installed on Blrs 1 & 2; 10/95 |
| 6  | Report Preparer         | Cubix Corp.  |
| 7  | Testing Firm            | Cubix Corp.  |
| 8  | Testing Dates           | October 4, 1995  |
| 9  | Cond Dates              | Oct-95   |
| 10 | Cond Description        | CoC; max feedrates   |
| 11 | Content                 | PM, HCl/Cl <sub>2</sub> , CO emissions; metals, ash, chlorides in feeds  |
| 12 |                         |  |
| 13 | <b>1005C2</b>           |  |
| 14 |                         |  |
| 15 | Report Name/Date        | Test Report on Re-Certification of Compliance of Boiler No. 1 & Annual Performance Test on 2 CEMS installed on Blrs 1 & 2; 10/95 |
| 16 | Report Preparer         | Cubix Corp.  |
| 17 | Testing Firm            | Cubix Corp.  |
| 18 | Testing Dates           | October 5, 1995  |
| 19 | Cond Dates              | Oct-95   |
| 20 | Cond Description        | CoC; min combustion temperature  |
| 21 | Content                 | CO emissions   |

|    | B                          | C        | D       | E     | F   | G      | H   | I      | J   | K         | L   | M        |
|----|----------------------------|----------|---------|-------|-----|--------|-----|--------|-----|-----------|-----|----------|
| 1  | <b>Stack Gas Emissions</b> |          |         |       |     |        |     |        |     |           |     |          |
| 2  |                            |          |         |       |     |        |     |        |     |           |     |          |
| 3  | Cond ID                    | Comments | Units   | 7% O2 |     |        |     |        |     |           |     |          |
| 4  |                            |          |         |       |     |        |     |        |     |           |     |          |
| 5  |                            |          |         |       |     |        |     |        |     | soot blow |     |          |
| 6  | <b>1005C1</b>              |          |         |       |     | R1     |     | R2     |     | R3        |     | Cond Avg |
| 7  |                            |          |         |       |     |        |     |        |     |           |     |          |
| 8  | Sampling Train             | (PM)     | E1      |       |     |        |     |        |     |           |     |          |
| 9  | Stack Gas Flowrate         |          | dscfm   |       |     | 150000 |     | 138700 |     | 143200    |     | 143967   |
| 10 | O2                         |          | %       |       |     | 11.31  |     | 11.27  |     | 11.25     |     | 11.28    |
| 11 | Moisture                   |          | %       |       |     | 9.46   |     | 10.06  |     | 11.25     |     | 10.26    |
| 12 | Temperature                |          | °F      |       |     | 260    |     | 263    |     | 269       |     | 264      |
| 13 |                            |          |         |       |     |        |     |        |     |           |     |          |
| 14 | PM (total)                 | E1       | gr/dscf | y     |     | 0.0141 |     | 0.0131 |     | 0.015     |     | 0.0141   |
| 15 | PM                         | E1       | gr/dscf | y     |     | 0.0075 |     | 0.0067 |     | 0.0062    |     | 0.0068   |
| 16 | CO (RA)                    | E1       | ppmv    | y     |     | 1.6    |     | 0.7    |     | 0.7       |     | 1.0      |
| 17 | HCl                        | E1       | ppmv    | y     | nd  | 0.08   | nd  | 0.03   | nd  | 0.02      | 100 | 0.043    |
| 18 | Cl2                        | E1       | ppmv    | y     | nd  | 0.01   | nd  | 0.01   | nd  | 0.01      | 100 | 0.01     |
| 19 | Total Chlorine             | E1       | ppmv    | y     | 100 | 0.1    | 100 | 0.05   | 100 | 0.04      | 100 | 0.063    |
| 20 |                            |          |         |       |     |        |     |        |     |           |     |          |
| 21 | <b>1005C2</b>              |          |         |       |     | R1     |     | R2     |     | R3        |     | Cond Avg |
| 22 |                            |          |         |       |     |        |     |        |     |           |     |          |
| 23 | CO (RA)                    | E1       | ppmv    | y     |     | 0.6    |     | 0.6    |     | 0.4       |     | 0.7      |



|    | A                          | B      | C   | D   | E   | F   |
|----|----------------------------|--------|-----|-----|-----|-----|
| 1  | <b>Process Information</b> |        |     |     |     |     |
| 2  |                            |        |     |     |     |     |
| 3  | Cond ID No.                | Units  | Run | Run | Run | Avg |
| 4  |                            |        | 1   | 2   | 3   |     |
| 5  |                            |        |     |     |     |     |
| 6  | <b>1005C1</b>              |        |     |     |     |     |
| 7  |                            |        |     |     |     |     |
| 8  | "Gas in Temperature"       | °F     | 540 | 535 | 535 | 537 |
| 9  | Steam Production Rate      | Mlb/hr | 240 | 240 | 240 | 240 |
| 10 |                            |        |     |     |     |     |
| 11 | <b>1005C2</b>              |        |     |     |     |     |
| 12 |                            |        |     |     |     |     |
| 13 | "Gas in Temperature"       | °F     | 518 | 515 | 521 | 518 |
| 14 | Steam Production Rate      | Mlb/hr | 213 | 209 | 230 | 217 |