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TRANSMITTAL LETTER

To: Mr. A.A. Linero, P.E.
Administrator, New Source Review Section
Florida Dept. of Environmental Protection
111 South Magnolia Drive
Tallahassee, FL 32301

Date: November 6, 2000
Project No.: 9937518

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*Claim - These guys
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BACT on physically modified
unit.*

Golder Associates Inc.

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November 3, 2000

9937518

Florida Department of Environmental Protection
2600 Blair Stone Road
Tallahassee, Florida 32399-2400

Attention: Mr. A. A. Linero, P.E.
Administrator, New Source Review Section

RE: FILE NO. 0050009-005-AC (PSD-FL-288)
STONE CONTAINER CORP. PANAMA CITY MILL
PULP PRODUCTION INCREASE

Dear Mr. Linero:

This correspondence is in response to the Department's letters dated July 10, 2000 and October 31, 2000, concerning the above referenced pulp production increase for Stone Container Corp.'s (SCC) Panama City mill. The July letter contains 11 comments by the Department. This letter also addresses those related issues raised by the U.S. Environmental Protection Agency (EPA). The purpose of this letter is to present responses for the additional information requested.

The October 31 letter from the Department stated that more than 90 days had transpired since the July request for additional information, and that this was sufficient time to address the additional information. Please be advised that the nature of the Department's and EPA's requests were extensive. The proposed background particulate matter (PM₁₀) and sulfur dioxide (SO₂) concentrations developed in the original air quality analysis were not acceptable to the Department. This required extensive data to be gathered and ambient data analysis to arrive at acceptable background concentrations. These concentrations were higher than previously used, requiring extensive remodeling of PM₁₀ and SO₂ impacts. More extensive inventories [out to 100 kilometers (km) from the source] were also required, resulting in additional time and effort.

Responses to each of the comments in the July letter are presented in the same order as they appear in the referenced letter.

1. On a short-term basis, the only increase in emissions due to the proposed pulp production increase is for particular matter (PM/PM₁₀). For annual emissions increases, refer to Table 3-2 of the Supplemental Information Report for an individual source breakout. Regardless, the significant impact analysis will be performed by assuming that the significant impact area is 50 km.

2. Ambient monitoring data for PM₁₀, SO₂, nitrogen oxide (NO_x), and carbon monoxide (CO) were presented in the Ambient Impact Analysis report to support the modeling performed to demonstrate compliance with ambient air quality standards (AAQS). Updated ambient data summary tables are included as an attachment to this letter. These data are believed to meet preconstruction monitoring data acceptability criteria, and it is requested that these data be accepted to satisfy preconstruction monitoring data for PSD purposes.
3. The modeling has been revised to include 100-m spacing along the site of the boundary.
4. The SCC Panama City mill is surrounded on two sides by water (a bay) and on two sides by land. The entire land-side property boundary is fenced, and entrance roads are posted with signs and/or guards. The water-side boundary is visible from the plant, and guards patrol these areas on a regular basis. The bay itself provides a physical barrier, other than to an occasional boater. Plant personnel or guards would quickly recognize the presence of anyone from the public entering the property and would promptly take action to have them removed. There has not been a problem historically with the public coming on site. Again, the property is routinely patrolled, particularly at night. Note that review of the property boundary question with SCC has indicated an error in the previously presented boundary lying adjacent to Arizona Chemical Company. This error has been corrected in the updated modeling analysis. Revised figures showing the property boundary are also attached.
5. For the No. 3 Combination Boiler (Tables 2-1 and A-2b), the correct maximum PM₁₀ emission rate is 97.8 pounds per hour (lb/hr), which equates to 12.32 g/s. As shown in Table 2-1, the 47.8 lb/hr emission rate is a typographical error, as the g/s emission rate of 12.32 g/s is correct (equates to 97.8 lb/hr), and was used in the modeling. For the No. 4 Combination Boiler, Table A-3b does show a maximum PM₁₀ emission rate of 81.45 lb/hr. Therefore, this is consistent with Table 2-1, which shows 81.5 lb/hr and 10.27 g/s.
6. The No. 4 Power Boiler and the No. 6 Power Boiler were no longer in operation as of March 1988, the NO_x baseline date. Therefore, these boilers do not affect NO_x increment consumption and were not considered in the modeling.
7. Typically, all sources at the Panama City mill operate at or near the maximum rates. The two combination boilers (Nos. 3 and 4) are operated to maximize steam generation to maximize electrical generation for internal mill use. The operational scenarios modeled for SO₂ are not related to operating load, but are related to fuel type (i.e., wood/bark/coal/fuel oil/natural gas), as well as SO₂ removal in the wet scrubbers. The scenarios were modeled to provide SCC operational flexibility in limiting SO₂ emissions to meet ambient standards, as predicted by the dispersion model. Operational scenarios were not modeled for other pollutants (NO_x and CO); these pollutants were modeled assuming maximum emissions from both combination boilers.

8. Please see Attachment A for a re-evaluation of the short-term ambient background SO₂ concentrations. Based on this revised analysis, the short-term ambient background SO₂ concentrations were determined to be: 79 micrograms per cubic meter ($\mu\text{g}/\text{m}^3$), 3-hr average and 20 $\mu\text{g}/\text{m}^3$, 24-hr average. See Attachment B for a re-evaluation of the short-term ambient background PM₁₀ concentration. Based on this revised analysis, the short-term ambient background PM₁₀ concentration was determined to be 35 $\mu\text{g}/\text{m}^3$, 24-hr average.
9. The locations (distances) to the maximum impacts shown in Table 5-8 have been added to the table. Refer to Attachment C for revised modeling result tables, which incorporate all of the changes addressed in this response letter.
10. a. An emission inventory for CO has been developed and is included in Attachment C.
b. As described in the response to comment No. 1 above, a significant impact distance of 50 km has been assumed, so all sources located within 100 km of the SCC Panama City mill were considered in the inventories for PM₁₀, SO₂, NO_x, and CO. Large sources beyond 100 km were also included. These sources were then screened using the North Carolina technique.
c. The Class I impact assessment inventory is different than the Class II and AAQS inventory. We have included the City of Tallahassee sources, which are known to affect increment consumption. Sources located east of the Class I area (St. Marks NWR) are not likely to interact with emission from SCC Panama City mill in a given time period; therefore, the sources were not considered in the Class I analysis.
d. The inventory tables have been reviewed and updated accordingly and are presented in Attachment C.
e. The two Arizona Chemical sources (boilers), located adjacent to the Panama City mill, were colocated due to their proximity to each other (within 30 feet).
11. Copies of the past permits for the recovery boilers and smelt dissolving tanks are attached in Attachment E.

Revised modeling results and other associated tables are contained in Attachment C, which reflect the issues addressed in this letter. Note the following reductions in allowable or maximum emissions are necessary to comply with the ambient standards for PM₁₀ and SO₂, based on the revised higher background concentrations:

| | |
|--|---|
| No. 3 Combination Boiler | 825 lb/hr SO ₂ , 3-hr maximum 450 lb/hr SO ₂ , 24-hr maximum |
| No. 4 Combination Boiler | 825 lb/hr SO ₂ , 3-hr maximum 535 lb/hr SO ₂ , 24-hr maximum |
| Combined No. 3 Combination Boiler and No. 4 Combination Boiler operation | 485 lb/hr SO ₂ , 24-hr maximum |
| No. 1 and No. 2 Recovery Boilers | 90.0 lb/hr PM (70.0 lb/hr PM ₁₀) |
| Lime Slaker | 3.0 lb/hr PM/PM ₁₀ |

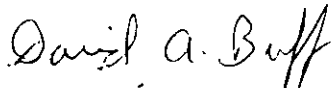
It is our understanding that the Department will not interpret the state PSD rule to require best available control technology (BACT) on sources for which there is an increase in actual emissions due to the proposed project, but for which there is no physical change or change in the method of operation. As discussed in SCC's June 2000 submittal, a BACT analysis was presented for the SCC pulp production increase project only because of the Department's previously stated interpretation. In this analysis, reference was made to meeting the proposed MACT II emission limits for emission units at the mill. SCC wishes to clarify now that the MACT II emission limits will be complied with according to the MACT II compliance schedule, when the rule is finalized.

Revised tables from the Supplemental Information document for the pulp production increase, submitted in April 2000, are provided in Attachment D.

Please call if you have any questions concerning this information.

Sincerely,

GOLDER ASSOCIATES INC.



David A. Buff, P.E.
Principal Engineer
Florida P.E. # 19011
SEAL

DB/jkw

cc: Ed Middleswart, FDEP Pensacola
David Riley
Charlie Ackel
Tom Clements
Steve Hamilton

ATTACHMENT A

Determination of SO₂ Background Concentrations for Stone Container's Mill Located in Panama City

Sulfur dioxide (SO₂) background concentrations were determined using the procedures described in Section 9.2.2 of the Guideline on Air Quality Models (40 CFR, Chapter 1, Part 51, Appendix W). Two options for determining background concentrations are presented in Section 9.2.2. The first option involves using air quality data collected in the vicinity of the source in question, in this case the Stone Container Mill located in Panama City, Bay County. The second option allows the use of air quality data collected at a regional monitor located away from the area of interest, when air quality data in the vicinity of the source of interest is not available. A "regional site" is defined as a location away from the area of interest, but impacted by similar sources. For both options, the data used to determine background concentrations should generally meet the same quality assurance requirements for data collected for PSD purposes.

For this analysis, the two SO₂ monitoring sites located in Pensacola were used to determine appropriate background concentrations. These "regional site" monitors were selected for several reasons:

1. There are no known SO₂ monitors located in Bay County.
2. The SO₂ monitors located Pensacola are the closest known monitors to the Stone Container facility that are operated in accordance with PSD data quality assurance requirements. Although other privately operated monitors may exist, the quality and availability of the data was uncertain.
3. Panama City and Pensacola are both located on the gulf coast of Florida and should experience similar meteorological conditions (daily cycling of on-shore and off-shore breezes, passages of fronts, etc.).
4. According to the data available in EPA's Aerometric Information Retrieval System (AIRS) database and FDEP's Air Resources Management System (ARMS) database, the major sources of SO₂ emissions in Bay and Escambia counties are very similar in both the magnitude of actual and potential emissions and the types of sources. Summaries of AIRS data for Bay and Escambia counties are presented in Appendix A. These summaries show that actual SO₂ emissions from sources in Bay County were 51,663 tons per year (TPY) compared to 35,226 TPY for Escambia County. Potential emissions rates from FDEP's ARMS database for Bay and Escambia Counties are presented in Table 1. As shown in Table 1, total potential SO₂ emissions from major sources in Bay County are 121,167 TPY compared to 146,669 TPY for Escambia County. The major sources of SO₂ emissions in both counties are power plants, paper mills, and chemical plants.
5. Since the population of Pensacola is greater than Panama City, SO₂ emissions from minor and area sources not explicitly considered in the modeling analysis should be higher in Pensacola, resulting in conservative (higher than actually expected in Panama City) estimated background concentrations.
6. Both monitors operated during 1999.

The locations of the two SO₂ monitors considered in this analysis are presented in Figure 1. One monitor (AIRS ID No. 120330-004-01) is located in Ellyson Industrial Park on Copter Road. The other monitor (AIRS ID No. 120330-022-01) is located at 11000 University Parkway on the campus of the University of West Florida. The locations of the three major sources of SO₂ emissions in the area, Gulf Power, Solutia, and Champion International are also presented in Figure 1. These sources are all generally located northwest to north-northwest of the two SO₂ monitors.

Both the SO₂ monitors located in Pensacola are designed to operate continuously measuring and recording SO₂ concentration (ppb), wind speed (mph), wind vector (compass degrees), and wind

direction (compass degrees) hourly. However, during 1999, very little usable meteorological data was recorded at the monitor located on the University of West Florida campus due to malfunction of the wind direction sensor. As such, the data from this monitor was not considered further in this analysis.

The monitor located in the Ellyson Industrial Park was used to determine appropriate background SO₂ concentrations. An adaptation of the method described in Section 9.2.2 was used to process the measured data. This adaptation was based on discussions with Cleve Holladay of FDEP and Stan Krivo of USEPA and is described below:

1. To eliminate the impact of a source on a given monitor, the method described in Section 9.2.2 allows the elimination of SO₂ concentrations for periods when the wind direction is within a 90°-sector centered on the source. However, in this case, there are three sources (Gulf Power, Solutia, and Champion International) that could significantly impact the monitor located at Ellyson Industrial Park. These sources are located in directions from 310° to 340° from the Ellyson Industrial Park monitor location (see Figure 1). To address this relatively narrow "spread" of sources, and eliminate SO₂ concentrations from consideration when the wind direction would cause these sources to impact the monitor located in Ellyson Park, a sector from 265° (310° minus 45°) north through 25° (340° plus 45°) was assumed for this analysis. When the hourly wind direction was between 265° to 25°, the SO₂ concentration measured during that hour was eliminated from consideration.
2. Those 24-hour periods for which less than 18 hours of data were available (either by malfunction of the monitoring system or hours being excluded based on wind direction, as described above) were eliminated from consideration. When a sufficient number (18 or more) of valid hours were available, the 24-hour average concentration was calculated by dividing the sum of SO₂ concentrations for all valid hours by the number of valid hours.
3. Those 3-hour periods for which less than 2 hours of data were available (either by malfunction of the monitoring system or hours being excluded based on wind direction, as described above) were eliminated from consideration. When a sufficient number (2 or more) of valid hours were available, the 3-hour average concentration was calculated by dividing the sum of SO₂ concentrations for all valid hours by the number of valid hours.
4. The results of this analysis were then ranked for each averaging period and the highest concentration was selected for use as an appropriate background.

The results of this analysis are presented in Tables 2 and 3. Note that only the highest 25 concentrations are presented for each averaging period. An electronic copy of tables containing all 24- and 3-hour average concentrations for 1999 will be provided to FDEP upon request. The maximum 24-hour average and 3-hour average background concentrations, using the methodology described above, are 20 µg/m³ and 79 µg/m³, respectively.

Table 1. Summary of Facilities with SO₂ Emission Rates Greater than 100 TPY Located in Bay and Escambia Counties

| Source Identification Number | Facility Owner | Facility Name/Location | UTM Zone | UTM Easting (km) | UTM Northing (km) | SO ₂ Emission Rate (TPY) |
|------------------------------|---------------------------------|---------------------------------|----------|------------------|-------------------|-------------------------------------|
| <u>Bay County</u> | | | | | | |
| 0050031 | BAY COUNTY ENERGY SYSTEMS, INC. | BAY COUNTY ENERGY SYSTEMS, INC. | 16 | 644.0 | 3348.9 | 313 |
| 0050001 | ARIZONA CHEMICAL COMPANY | PANAMA CITY FACILITY | 16 | 633.1 | 3335.4 | 690 |
| 0050009 | STONE CONTAINER CORPORATION | PANAMA CITY MILL | 16 | 632.8 | 3335.1 | 16,707 |
| 0050014 | GULF POWER COMPANY | LANSING SMITH PLANT | 16 | 625.2 | 3349.1 | <u>103,457</u> |
| County Total | | | | | | 121,167 |
| <u>Escambia County</u> | | | | | | |
| 0330040 | SOLUTIA, INC. | SOLUTIA, INC. | 16 | 476.0 | 3385.0 | 8,844 |
| 0330042 | CHAMPION INTERNATIONAL CORPORA | PENSACOLA MILL | 16 | 469.0 | 3385.8 | 14,659 |
| 0330045 | GULF POWER COMPANY | CRIST PLANT-GOVERNOR'S BAYOU | 16 | 478.3 | 3381.4 | <u>123,165</u> |
| County Total | | | | | | 146,669 |

Data Source: FDEP's Air Resource Management System (ARMS) database.

Table 2. Summary of Derived 24-Hour Average SO₂ Background Concentrations for the Ellyson Industrial Park Monitor

| Ranking by Concentration | Monitoring Period | | | | Number of Valid Hours Considered ^a | SO ₂ Concentration | |
|--------------------------------|-------------------|-------|-----|----------------|---|----------------------------------|----------------------|
| | Year | Month | Day | Hour Ending | | (ppb) | (µg/m ³) |
| 1 | 99 | 12 | 1 | 24 | 22 | 7.45 | 19.5 |
| 2 | 99 | 12 | 27 | 24 | 19 | 7.32 | 19.2 |
| 3 | 99 | 12 | 2 | 24 | 22 | 6.86 | 18.0 |
| 4 | 99 | 7 | 14 | 24 | 20 | 5.40 | 14.1 |
| 5 | 99 | 12 | 29 | 24 | 20 | 5.20 | 13.6 |
| 6 | 99 | 1 | 6 | 24 | 21 | 5.14 | 13.5 |
| 7 | 99 | 12 | 18 | 24 | 21 | 5.14 | 13.5 |
| 8 | 99 | 8 | 11 | 24 | 21 | 4.71 | 12.3 |
| 9 | 99 | 11 | 18 | 24 | 20 | 4.15 | 10.9 |
| 10 | 99 | 11 | 19 | 24 | 24 | 3.88 | 10.2 |
| 11 | 99 | 2 | 26 | 24 | 20 | 3.85 | 10.1 |
| 12 | 99 | 3 | 30 | 24 | 24 | 3.83 | 10.0 |
| 13 | 99 | 10 | 29 | 24 | 21 | 3.76 | 9.9 |
| 14 | 99 | 1 | 1 | 24 | 19 | 3.47 | 9.1 |
| 15 | 99 | 12 | 3 | 24 | 24 | 3.46 | 9.1 |
| 16 | 99 | 10 | 30 | 24 | 24 | 3.38 | 8.9 |
| 17 | 99 | 12 | 9 | 24 | 24 | 3.38 | 8.9 |
| 18 | 99 | 4 | 25 | 24 | 18 | 3.28 | 8.6 |
| 19 | 99 | 4 | 1 | 24 | 23 | 3.22 | 8.4 |
| 20 | 99 | 12 | 4 | 24 | 24 | 3.21 | 8.4 |
| 21 | 99 | 1 | 7 | 24 | 24 | 3.00 | 7.9 |
| 22 | 99 | 1 | 16 | 24 | 23 | 3.00 | 7.9 |
| 23 | 99 | 4 | 2 | 24 | 21 | 3.00 | 7.9 |
| 24 | 99 | 12 | 12 | 24 | 24 | 2.88 | 7.5 |
| 25 | 99 | 3 | 12 | 24 | 21 | 2.86 | 7.5 |

Notes:

Only those SO₂ concentrations measured during hours when the wind direction was between 265° and 25° were considered in developing the background concentration.

Footnotes:

^a Days with less than 18 hours of valid (proper wind direction with measured concentration) observations were not included in the development of a background concentration.

Table 3. Summary of Derived 3-Hour Average SO₂ Background Concentrations for the Ellyson Industrial Park Monitor

| Ranking by Concentration | Monitoring Period | | | | Number of Valid Hours Considered ^a | Concentration | |
|--------------------------------|-------------------|-------|-----|----------------|---|---------------|----------------------|
| | Year | Month | Day | Hour Ending | | (ppb) | (µg/m ³) |
| 1 | 99 | 5 | 20 | 12 | 2 | 30.00 | 78.6 |
| 2 | 99 | 5 | 20 | 15 | 2 | 25.00 | 65.5 |
| 3 | 99 | 12 | 2 | 9 | 3 | 17.33 | 45.4 |
| 4 | 99 | 3 | 11 | 15 | 3 | 16.33 | 42.8 |
| 5 | 99 | 8 | 9 | 12 | 3 | 15.33 | 40.2 |
| 6 | 99 | 8 | 15 | 15 | 2 | 14.50 | 38.0 |
| 7 | 99 | 7 | 31 | 15 | 2 | 14.00 | 36.7 |
| 8 | 99 | 9 | 8 | 15 | 2 | 14.00 | 36.7 |
| 9 | 99 | 4 | 1 | 12 | 3 | 12.33 | 32.3 |
| 10 | 99 | 4 | 2 | 12 | 3 | 12.33 | 32.3 |
| 11 | 99 | 8 | 11 | 9 | 3 | 12.33 | 32.3 |
| 12 | 99 | 8 | 11 | 6 | 3 | 11.67 | 30.6 |
| 13 | 99 | 7 | 14 | 15 | 3 | 11.00 | 28.8 |
| 14 | 99 | 12 | 1 | 18 | 3 | 11.00 | 28.8 |
| 15 | 99 | 9 | 24 | 15 | 2 | 11.00 | 28.8 |
| 16 | 99 | 2 | 26 | 15 | 3 | 10.67 | 28.0 |
| 17 | 99 | 8 | 5 | 15 | 2 | 10.50 | 27.5 |
| 18 | 99 | 12 | 19 | 15 | 2 | 10.50 | 27.5 |
| 19 | 99 | 1 | 6 | 9 | 3 | 10.00 | 26.2 |
| 20 | 99 | 1 | 6 | 12 | 3 | 10.00 | 26.2 |
| 21 | 99 | 7 | 14 | 18 | 3 | 10.00 | 26.2 |
| 22 | 99 | 2 | 15 | 9 | 2 | 10.00 | 26.2 |
| 23 | 99 | 8 | 14 | 15 | 2 | 10.00 | 26.2 |
| 24 | 99 | 8 | 6 | 12 | 3 | 9.67 | 25.3 |
| 25 | 99 | 1 | 25 | 15 | 2 | 9.50 | 24.9 |

Notes:

Only those SO₂ concentrations measured during hours when the wind direction was between 265° and 25° were considered in developing the background concentration.

Footnotes:

^a Three hour periods with less than 2 hours of valid (proper wind direction with measured concentration) observations were not included in the development of a background concentration.

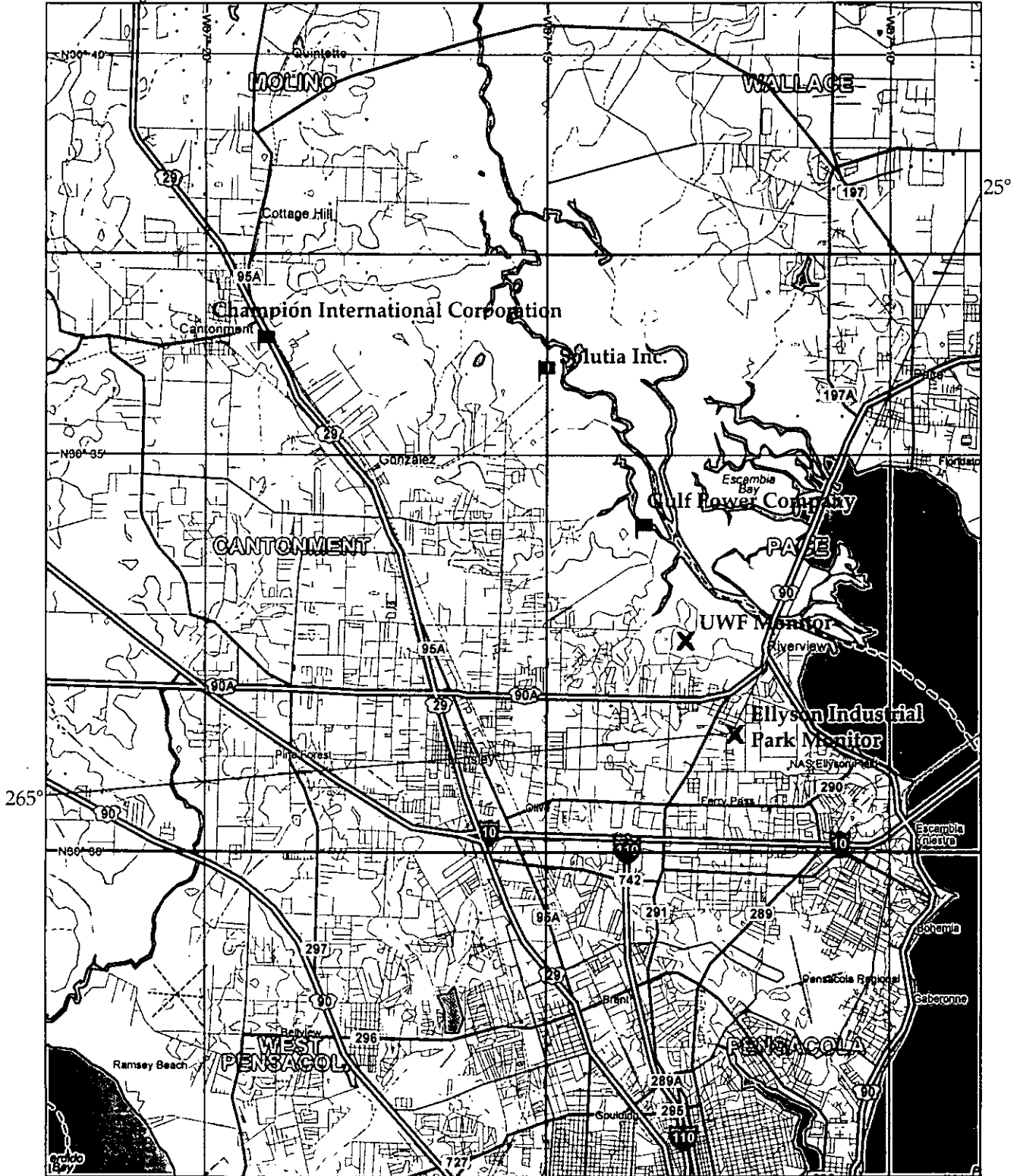


FIGURE 1
Location of SO₂ sources and monitors considered in the background determination for Stone Container Corporation.



APPENDIX A

**SUMMARY OF ACTUAL EMISSIONS FROM MAJOR SOURCES IN BAY AND
ESCAMBIA COUNTIES FROM USEPA'S AIR INFORMATION RETREIVAL SYSTEM**



EPA Office of Air Quality Planning And Standards

Source All Columns Report

August 23, 2000 3 Rows See [Disclaimer](#)

Florida AIRS Air Pollution Sources - Sulfur Dioxide

Counties Selected: Bay

Pollutant Emissions in Tons Per Year

| Row # | Facility Name | Facility Address | City | County | State | Pollutant Emissions | Latitude (Degrees) | Longitude (Degrees) |
|----------------------|---------------------------------|-----------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|
| SORT | ☐ ☐ | ☐ ☐ | ☐ ☐ | ☐ ☐ | ☐ ☐ | ☐ ☐ | ☐ ☐ | ☐ ☐ |
| 1 | Gulf Power Company | 4300 County Road 2300 | Lynn Haven | Bay Co | FL | 47,277 | 30.2661 | -85.6989 |
| 2 | Stone Container Corporation | One Everitt Ave | Panama City | Bay Co | FL | 4,199 | 30.1417 | -85.6211 |
| 3 | Bay County Energy Systems, Inc. | 6510 Bay Line Drive | Panama City | Bay Co | FL | 187 | 30.2650 | -85.5022 |
| Grand Total | | | | | | 51,663 | | |

Page 1 of 1

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New Report Criteria

Disclaimer: AIRSData reports are produced from a monthly extract of EPA's air pollution database, AIRS. Data for this report were extracted on July 28, 2000. They represent the best information available to EPA from state agencies on that date. However, some values may be absent due to incomplete reporting, and some values subsequently may be changed due to quality assurance activities. The AIRS database is updated daily by state and local organizations who own and submit the data. Please contact the pertinent state agency to report errors.

Readers are cautioned not to infer a qualitative ranking order of geographic areas based on AIRSData reports. Air pollution levels measured in the vicinity of a particular monitoring site may not be representative of the prevailing air quality of a county or urban area. Pollutants emitted from a particular source may have little impact on the immediate geographic area, and the amount of pollutants emitted does not indicate whether the source is complying with applicable regulations.



EPA Office of Air Quality Planning And Standards

Source All Columns Report

August 23, 2000 3 Rows See [Disclaimer](#)

Florida AIRS Air Pollution Sources - Sulfur Dioxide

Counties Selected: Escambia

Pollutant Emissions In Tons Per Year

| Row # | Facility Name | Facility Address | City | County | State | Pollutant Emissions | Latitude (Degrees) | Longitude (Degrees) |
|----------------------|------------------------------------|------------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|
| SORT | ▾ ▾ | ▾ ▾ | ▾ ▾ | ▾ ▾ | ▾ ▾ | ▾ ▾ | ▾ ▾ | ▾ ▾ |
| 1 | Champion International Corporation | 375 Muscogee Road | Cantonment | Escambia Co | FL | 882 | 30.6050 | -87.3214 |
| 2 | Solutia, Inc. | 3000 Old Chemstrand Rd | Gonzalez | Escambia Co | FL | 125 | 30.5989 | -87.2528 |
| 3 | Gulf Power Co | 11999 Pate St. | Pensacola | Escambia Co | FL | 34,219 | 30.5661 | -87.2289 |
| Grand Total | | | | | | 35,226 | | |

Page 1 of 1

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Create comma-delimited or tab-delimited values, compatible with PC spreadsheets and databases.

[New Report Criteria](#)

Disclaimer: AIRSData reports are produced from a monthly extract of EPA's air pollution database, AIRS. Data for this report were extracted on July 28, 2000. They represent the best information available to EPA from state agencies on that date. However, some values may be absent due to incomplete reporting, and some values subsequently may be changed due to quality assurance activities. The AIRS database is updated daily by state and local organizations who own and submit the data. Please contact the pertinent [state agency](#) to report errors.

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ATTACHMENT B

Determination of PM₁₀ Background Concentrations for Stone Container's Mill Located in Panama City

Particulate matter (PM₁₀) background concentrations were determined using the procedures described in Section 9.2.2 of the Guideline on Air Quality Models (40 CFR, Chapter 1, Part 51, Appendix W). Two options for determining background concentrations are presented in Section 9.2.2. The first option involves using air quality data collected in the vicinity of the source of interest, in this case the Stone Container mill located in Panama City, Bay County. The second option allows the use of air quality data collected at a regional monitor located away from the area of interest, when air quality data in the vicinity of the source of interest are not available. For both options, the data used to determine background concentrations should generally meet the same quality assurance requirements for data collected for PSD purposes.

In this analysis, the first option was selected since there is one PM₁₀ monitor, shown in Figure 2, located about 0.6 km to the east-northeast of the Stone Container Mill. The Florida Department of Environmental Protection (FDEP) maintains and operates this station according to EPA's quality assurance and quality control (QA/QC) requirements for data collected for PSD purposes. This monitor, identified as AIRS ID No. 12-005-1004-01, is the designated primary monitor to measure air quality in the Panama City area. It should be noted that the FDEP operates a second colocated station at this site to satisfy the QA/QC requirements. Since the PM₁₀ concentrations from the designated primary station are used by the FDEP to evaluate air quality in the area, the data from this station were used in the analysis.

There are three major point sources of PM₁₀ in the area near the monitor location: Stone Container Mill, Arizona Chemical Company, and Gulf Power Company's Smith Power Plant. The Arizona Chemical Company is located adjacent to the Mill and is also located about 0.6 km from the monitor. The Smith Power Plant is located about 16 km to the north-northwest of the monitor.

Background PM₁₀ concentrations were estimated using the approach as described in Section 9.2.2 of the Guideline on Air Quality Models. This approach is based on using concentration and meteorological data that are assumed to be available on an hourly basis. The PM₁₀ concentrations at the Panama City monitor are measured every sixth day over a 24-hour averaging period using an integrated sampling technique and therefore hourly data are not available. As a result, the approach was modified to account for the single 24-hour average concentration value that is available for each day that monitoring is performed.

For this analysis, the following approach was used to estimate background PM₁₀ concentrations:

1. Concentrations are excluded from the background concentration analysis when the monitor is within a source's impact area. The source's impact area is defined as the area within a 90 degree-sector downwind from the source. As a result, a monitor is assumed to have an impact from a source if the monitor is located within a 90 degree-sector downwind from the source.

In this case, the PM₁₀ monitor is located to the east-northeast (about 70 degrees) of the Stone Container Mill and Arizona Chemical Plant. As a result, each source's impact area, relative to the monitor, is assumed to extend over a 90 degree-sector from about 25 degrees clockwise to 115 degrees. Therefore, these sources will have an impact at the monitor if the wind directions blow from 205 degrees clockwise through 295 degrees. This is referred to as the wind direction exclusion range. Because the Smith Power Plant is located about 16 km away from the monitor, this source's impact area was not considered to affect the monitored data in the analysis.

2. For the 24-hour averaging periods, the PM_{10} concentration is assumed to be representative of background when there are 18 hours or more of wind directions that were not excluded from consideration, as previously described, and there are valid wind directions measured. Valid wind directions do not include those hours when the monitoring system malfunctioned (missing data) or when calm conditions were reported. During those hours, the wind direction is not known and the sources could have produced an impact at the monitor. The criteria of using 18 hours or more of wind directions is consistent with the monitoring procedure which requires that 75 percent or more of the data be available for a valid 24-hour average concentration to be reported.
3. The monitoring data from the Panama City monitor were obtained from the FDEP for 1999 and evaluated using the hourly wind direction data available from the National Weather Service (NWS) station in Apalachicola, located about 80 km to the southeast of the Mill. This station is the closest weather station to the Mill that measures meteorological data considered to be representative of meteorological conditions in the vicinity of the Stone Container Mill.
4. The highest 24-hour concentrations were then ranked and, based on the approach described above, background concentrations were identified. Based on EPA's recommendation, the second highest concentration that met the criteria in Steps 1 and 2 was used as the background concentration for this analysis.

A summary of the eight highest 24-hour average PM_{10} concentrations measured at the Panama City monitor is presented in Table 1. The hourly wind directions measured at the NWS station in Apalachicola during the days of the highest concentration are also provided in Table 1. The results of the background concentration analysis are presented in Table 2. As shown, the second-highest 24-hour average PM_{10} concentration considered to be representative of the 24-hour average background concentration is $35 \mu\text{g}/\text{m}^3$. Therefore, this concentration was added to the maximum PM_{10} concentrations predicted for the modeled sources to produce total air quality concentrations in the analysis. The total air quality concentrations were then compared to the PM_{10} ambient air quality standards.

Table 1. Wind Directions Observed during the Days of the Highest 24-Hour Average PM10 Concentrations Measured during 1999 in Panama City

| Hour | Hourly Wind Directions (degrees) ^a for | | | | | | | |
|------|--|------------|-----------|--------|----------|-------------|---------|------------|
| | June 29 | October 27 | August 28 | May 24 | March 19 | November 14 | July 23 | October 15 |
| | With Measured 24-hour Average Concentrations (ug/m ³) of | | | | | | | |
| | 80.3 | 50.1 | 47.6 | 43.4 | 39.3 | 36.3 | 35.4 | 35.0 |
| 1 | 230 | 350 | Calm | 250 | Calm | Calm | Missing | 40 |
| 2 | 230 | 340 | Calm | 260 | 300 | 30 | 360 | 50 |
| 3 | 230 | Calm | Calm | 280 | Calm | 20 | 350 | 40 |
| 4 | 230 | 10 | 10 | 290 | 320 | 30 | Missing | 40 |
| 5 | 260 | 40 | 10 | 290 | 320 | 40 | Calm | 40 |
| 6 | 260 | Calm | 360 | 270 | 340 | 30 | Calm | 50 |
| 7 | 260 | 40 | 20 | 260 | 350 | Missing | 20 | 50 |
| 8 | 260 | Missing | Missing | 270 | 30 | 40 | 60 | 40 |
| 9 | 260 | 30 | 30 | 260 | 60 | 30 | Missing | 50 |
| 10 | 260 | 20 | 70 | 300 | 80 | Missing | 80 | 30 |
| 11 | 260 | 20 | 30 | 310 | 130 | Missing | 160 | 50 |
| 12 | 250 | Missing | 190 | 270 | Missing | 290 | 180 | 40 |
| 13 | 280 | 160 | 170 | 300 | 180 | Missing | 200 | 30 |
| 14 | 250 | 170 | 200 | 260 | 210 | 280 | 180 | 40 |
| 15 | 250 | 170 | 220 | 270 | 230 | 270 | 40 | 30 |
| 16 | 260 | 200 | 260 | 260 | 240 | 280 | Calm | 40 |
| 17 | 260 | 210 | 360 | 260 | 270 | 280 | Missing | 30 |
| 18 | 260 | Calm | 350 | 280 | 270 | 280 | Calm | 30 |
| 19 | 270 | Calm | 350 | 260 | Calm | 290 | 60 | 40 |
| 20 | 240 | Calm | 330 | 270 | Calm | 280 | Calm | 40 |
| 21 | 240 | Calm | 360 | 270 | Calm | 310 | Calm | 40 |
| 22 | 240 | Calm | 350 | 280 | Calm | 300 | Calm | 50 |
| 23 | 230 | 10 | 360 | 280 | 320 | 290 | 50 | 50 |
| 24 | 230 | Calm | 30 | 280 | 330 | 290 | Calm | 40 |

^a Wind data from the National Weather Service station in Apalachicola.
Reported wind direction is the direction from which the wind is blowing.

Table 2. Estimation of the 24-hour Average PM10 Background Concentration using Wind Direction Data

| Parameter | Value | | | | | | | |
|---|---------|------------|-----------------|--------|----------|-------------|---------|---------------------|
| Day | June 29 | October 27 | August 28 | May 24 | March 19 | November 14 | July 23 | October 15 |
| 24-hour Average Concentration (ug.m ³) | 80.3 | 50.1 | 47.6 | 43.4 | 39.3 | 36.3 | 35.4 | 35.0 |
| <u>Number of Hours Excluded for Estimating Background Concentrations</u> ^a | | | | | | | | |
| Hourly Wind Direction | | | | | | | | |
| Within Exclusion Range | 24 | 1 | 2 | 21 | 5 | 10 | 10 | 0 |
| Calm Conditions | 0 | 8 | 3 | 0 | 6 | 8 | 1 | 0 |
| Missing Wind Data | 0 | 2 | 1 | 0 | 1 | 4 | 4 | 0 |
| TOTAL- excluded | 24 | 11 | 6 | 21 | 12 | 22 | 15 | 0 |
| TOTAL (%) - excluded | 100% | 46% | 25% | 88% | 50% | 92% | 63% | 0% |
| <u>Number of Hours Included for Estimating Background Concentrations</u> | | | | | | | | |
| TOTAL- included | 0 | 13 | 18 | 3 | 12 | 2 | 9 | 24 |
| TOTAL (%) - included | 0% | 54% | 75% | 13% | 50% | 8% | 38% | 100% |
| Day used in Estimating Background? | | | | | | | | |
| Background? ^b | NO | NO | YES | NO | NO | NO | NO | YES |
| 24-hour Average Background Concentration (ug/m3) Value | NA | NA | 47.6 Highest | NA | NA | NA | NA | 35.0 2nd Highest |

^a Wind direction exclusion range: 90-degree sector from 205 to 295 degrees

^b Based on 75% or more of the hours with wind directions outside of exclusion range, non-calm conditions, and no missing data.

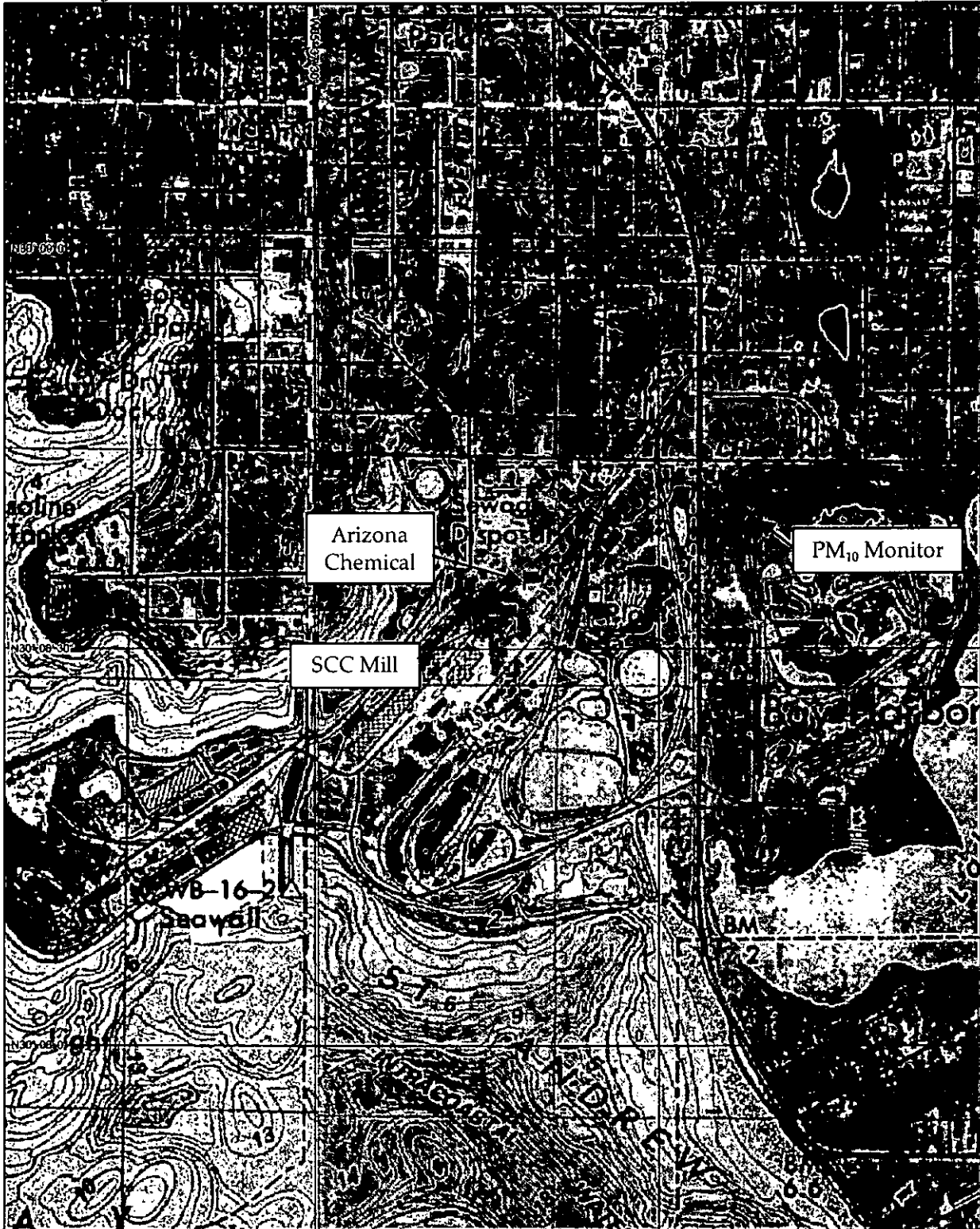


Figure 2. Location of PM₁₀ Monitor and Nearby Sources



ATTACHMENT C

**UPDATES TO "REVISED AMBIENT IMPACT ANALYSIS FOR STONE
CONTAINER CORPORATION PANAMA CITY MILL"
(MAY 2000)**

Table 2-1. Maximum Future Emissions Used in the Modeling Analysis for Stone Container - Panama City (Revised 10/30/00)

| Emission Unit | Unit ID | PM ₁₀ | | SO ₂ | | NO _x | | CO | |
|-----------------------------|----------|------------------|-------|--------------------|-------|-----------------|-------|---------|--------|
| | | lb/hr | g/s | lb/hr | g/s | lb/hr | g/s | lb/hr | g/s |
| No. 1 Recovery Boiler | RB1 | 70.0 | 8.82 | 129.8 | 16.35 | 72.1 | 9.08 | 2,474.0 | 311.72 |
| No. 2 Recovery Boiler | RB2 | 70.0 | 8.82 | 129.8 | 16.35 | 72.1 | 9.08 | 2,474.0 | 311.72 |
| No. 1 Smelt Dissolving Tank | SDT1 | 26.6 | 3.35 | 1.0 | 0.13 | 2.0 | 0.26 | -- | -- |
| No. 2 Smelt Dissolving Tank | SDT2 | 25.5 | 3.21 | 1.0 | 0.13 | 2.0 | 0.26 | -- | -- |
| Lime Kiln | LK1 | 29.3 | 3.69 | 4.7 | 0.59 | 44.7 | 5.63 | 4.5 | 0.57 |
| No. 3 Combination Boiler | BB3 | 97.8 | 12.32 | 220.0 ^b | 30.24 | 157.1 | 19.79 | 176.4 | 22.23 |
| No. 4 Combination Boiler | BB4 | 81.5 | 10.27 | 265.0 ^b | 35.91 | 189.1 | 23.83 | 177.8 | 22.40 |
| Modified Bleach Plant | BLEACH | -- | -- | -- | -- | -- | -- | 46.2 | 5.82 |
| Lime Slaker | LSKR | 3.0 ^a | 0.38 | -- | -- | -- | -- | -- | -- |
| Woodyard | WOODYARD | 3.7 | 0.47 | -- | -- | -- | -- | -- | -- |
| TOTALS | | 407.4 | 51.33 | 751.3 | 98.1 | 544.3 | 72.2 | 5,252.3 | 661.8 |

^a Represents a reduction in emissions from current permitted or maximum emission rate.

^b Proposed 24-hour average permit limits when both No. 3 and No. 4 Combination Boilers are burning fuel oil and/or coal (485 lb/hr total).

Maximum individual 3-hour average SO₂ limits are:

No. 3 Combination Boiler 825 lb/hr

No. 4 Combination Boiler 825 lb/hr

Maximum individual 24-hour average SO₂ limits are:

No. 3 Combination Boiler 450 lb/hr

No. 4 Combination Boiler 535 lb/hr

Table 2-2. Baseline Emissions Used in the Modeling Analysis for Stone Container - Panama City

| Emission Unit | Unit ID | 1974 Baseline | | | | 1988 Baseline | |
|-----------------------------|------------------|------------------|--------------|-----------------------------|--------------|-----------------|-------------|
| | | PM ₁₀ | | SO ₂ | | NO _x | |
| | | lb/hr | g/s | <u>Short-Term Emissions</u> | | | |
| No. 1 Recovery Boiler | RB1 | 45.9 | 5.78 | 121.5 | 15.3 | -- | -- |
| No. 2 Recovery Boiler | RB2 | 52.3 | 6.59 | 121.5 | 15.3 | -- | -- |
| No. 1 Smelt Dissolving Tank | SDT1 | 4.0 | 0.50 | 7.5 | 0.9 | -- | -- |
| No. 2 Smelt Dissolving Tank | SDT2 | 19.7 | 2.48 | 7.5 | 0.9 | -- | -- |
| Lime Kiln | LK1 | 24.1 | 3.04 | 3.2 | 0.4 | -- | -- |
| No. 4 Power Boiler | PB4 ^a | 11.9 | 1.50 | 205.5 | 25.9 | -- | -- |
| No. 5 Power Boiler | PB5 ^a | 12.2 | 1.54 | 212.0 | 26.7 | -- | -- |
| No. 6 Power Boiler | PB6 | 30.2 | 3.81 | 524.0 | 66.0 | | |
| No. 3 Combination Boiler | BB3 | 140.1 | 17.65 | 342.9 | 43.2 | | |
| No. 4 Combination Boiler | BB4 | 140.1 | 17.65 | 546.0 | 68.8 | -- | -- |
| Lime Slaker | LSKR | 5.0 | 0.63 | -- | -- | | |
| TOTALS | | 480.5 | 60.54 | 2,091.6 | 263.5 | -- | -- |
| | | | | <u>Long-Term Emissions</u> | | | |
| | | TPY | g/s | TPY | g/s | TPY | g/s |
| No. 1 Recovery Boiler | RB1 | 192.7 | 5.54 | 452.8 | 13.0 | 276.9 | 7.97 |
| No. 2 Recovery Boiler | RB2 | 219.7 | 6.32 | 452.8 | 13.0 | 287.4 | 8.27 |
| No. 1 Smelt Dissolving Tank | SDT1 | 16.6 | 0.48 | 26.4 | 0.8 | 7.0 | 0.20 |
| No. 2 Smelt Dissolving Tank | SDT2 | 82.9 | 2.38 | 26.4 | 0.8 | 7.8 | 0.22 |
| Lime Kiln | LK1 | 101.2 | 2.91 | 12.0 | 0.3 | 137.0 | 3.94 |
| No. 4 Power Boiler | PB4 ^a | 44.6 | 1.28 | 773.9 | 22.3 | -- | -- |
| No. 5 Power Boiler | PB5 ^a | 44.6 | 1.28 | 773.9 | 22.3 | 97.5 | 2.80 |
| No. 6 Power Boiler | PB6 | 111.6 | 3.21 | 1,934.7 | 55.7 | -- | -- |
| No. 3 Combination Boiler | BB3 | 697.4 | 20.06 | 1,335.9 | 38.4 | 228.3 | 6.57 |
| No. 4 Combination Boiler | BB4 | 747.7 | 21.51 | 2,114.8 | 60.8 | 484.3 | 13.93 |
| Lime Slaker | LSKR | 21.0 | 0.60 | -- | -- | -- | -- |
| TOTALS | | 2,259.0 | 64.98 | 7,903.6 | 227.4 | 1,526.2 | 43.9 |

^a Common stack in baseline.

Table 2-3. Stack Parameters and Locations Used in the Modeling Analysis for Stone Container- Panama City

| Emission Unit | Unit ID | Relative Location | | | | Stack Parameters | | | | Operating Parameters | | | |
|---|---------|-------------------|-----|------|------|------------------|------|----------|------|----------------------|------|----------|-------|
| | | X | | Y | | Height | | Diameter | | Temperature | | Velocity | |
| | | (ft) | (m) | (ft) | (m) | (ft) | (m) | (ft) | (m) | (°F) | (°K) | (ft/s) | (m/s) |
| <u>Future Conditions</u> | | | | | | | | | | | | | |
| No. 1 Recovery Boiler ^a | RB1 | 16 | 5 | -29 | -9 | 233 | 71.0 | 6.46 | 1.97 | 286 | 414 | 93.8 | 28.60 |
| No. 2 Recovery Boiler ^a | RB2 | 59 | 18 | 21 | 6 | 233 | 71.0 | 6.46 | 1.97 | 310 | 428 | 93.5 | 28.50 |
| No. 1 Smelt Dissolving Tank | SDT1 | 3 | 1 | -18 | -5 | 233 | 71.0 | 6.00 | 1.83 | 166 | 348 | 17.2 | 5.24 |
| No. 2 Smelt Dissolving Tank | SDT2 | 45 | 14 | 33 | 10 | 233 | 71.0 | 6.00 | 1.83 | 166 | 348 | 15.0 | 4.56 |
| Lime Kiln | LK1 | 537 | 164 | -118 | -36 | 61 | 18.6 | 8.00 | 2.44 | 167 | 348 | 38.8 | 11.84 |
| Slaker | LSKR | 136 | 40 | -484 | -148 | 56 | 17.1 | 2.90 | 0.88 | 200 | 366 | 42.9 | 13.09 |
| No. 3 Combination Boiler | BB3 | -77 | -23 | 27 | 8 | 213 | 64.9 | 7.80 | 2.38 | 149 | 338 | 77.1 | 23.50 |
| No. 4 Combination Boiler | BB4 | -108 | -33 | -9 | -3 | 213 | 64.9 | 7.80 | 2.38 | 143 | 335 | 89.6 | 27.32 |
| Bleach Plant | BLEACH | 202 | 62 | -688 | -210 | 86 | 26.2 | 3.00 | 0.91 | 114 | 319 | 59.0 | 17.97 |
| <u>NO_x PSD Baseline (1988) Conditions</u> | | | | | | | | | | | | | |
| No. 1 Recovery Boiler ^a | RB1 | 16 | 5 | -29 | -9 | 233 | 71.0 | 6.46 | 1.97 | 310 | 428 | 88.0 | 26.82 |
| No. 2 Recovery Boiler ^a | RB2 | 59 | 18 | 21 | 6 | 233 | 71.0 | 6.46 | 1.97 | 320 | 433 | 81.3 | 24.78 |
| No. 1 Smelt Dissolving Tank | SDT1 | 3 | 1 | -18 | -5 | 233 | 71.0 | 6.00 | 1.83 | 150 | 339 | 16.9 | 51.5 |
| No. 2 Smelt Dissolving Tank | SDT2 | 45 | 14 | 33 | 10 | 233 | 71.0 | 6.00 | 1.83 | 140 | 333 | 17.4 | 5.30 |
| Lime Kiln | LK1 | 537 | 164 | -118 | -36 | 61 | 18.6 | 8.00 | 2.44 | 160 | 344 | 33.6 | 10.24 |
| Slaker | LSKR | 136 | 41 | -484 | -148 | 56 | 17.1 | 2.90 | 0.88 | 155 | 341 | 44.1 | 13.44 |
| No. 5 Power Boiler | PB5 | -152 | -46 | 41 | 12 | 296 | 90.2 | 12.00 | 3.66 | 400 | 478 | 24.8 | 7.56 |
| No. 3 Combination Boiler | BB3 | -77 | -23 | 27 | 8 | 213 | 64.9 | 7.80 | 2.38 | 149 | 338 | 77.1 | 23.50 |
| No. 4 Combination Boiler | BB4 | -108 | -33 | -9 | -3 | 213 | 64.9 | 7.80 | 2.38 | 143 | 335 | 89.6 | 27.32 |
| <u>PM/SO₂ PSD Baseline (1974) Conditions</u> | | | | | | | | | | | | | |
| No. 1 Recovery Boiler ^a | RB1 | 16 | 5 | -29 | -9 | 233 | 71.0 | 6.46 | 1.97 | 310 | 428 | 88.0 | 26.82 |
| No. 2 Recovery Boiler ^a | RB2 | 59 | 18 | 21 | 6 | 233 | 71.0 | 6.46 | 1.97 | 320 | 433 | 81.3 | 24.78 |
| No. 1 Smelt Dissolving Tank | SDT1 | 3 | 1 | -18 | -5 | 233 | 71.0 | 6.00 | 1.83 | 150 | 339 | 16.9 | 5.15 |
| No. 2 Smelt Dissolving Tank | SDT2 | 45 | 14 | 33 | 10 | 233 | 71.0 | 6.00 | 1.83 | 140 | 333 | 17.4 | 5.30 |
| Lime Kiln | LK1 | 537 | 164 | -118 | -36 | 61 | 18.6 | 8.00 | 2.44 | 160 | 344 | 33.6 | 10.24 |
| Slaker | LSKR | 136 | 41 | -484 | -148 | 56 | 17.1 | 3.00 | 0.91 | 155 | 341 | 44.1 | 13.44 |
| No. 4 Power Boiler ^b | PB4 | -152 | -46 | 41 | 12 | 296 | 90.2 | 12.00 | 3.66 | 400 | 478 | 24.8 | 7.57 |
| No. 5 Power Boiler ^b | PB5 | -152 | -46 | 41 | 12 | 296 | 90.2 | 12.00 | 3.66 | 400 | 478 | 24.8 | 7.56 |
| No. 6 Power Boiler | PB6 | 172 | 52 | 18 | 5 | 241 | 73.5 | 8.00 | 2.44 | 430 | 494 | 35.6 | 10.85 |
| No. 3 Combination Boiler | BB3 | -77 | -23 | 27 | 8 | 150 | 45.7 | 8.50 | 2.59 | 440 | 500 | 48.2 | 14.69 |
| No. 4 Combination Boiler | BB4 | -108 | -33 | -9 | -3 | 150 | 45.7 | 7.34 | 2.24 | 470 | 516 | 60.6 | 18.47 |

^a Source has two identical stacks. Parameters are for each stack

^b Nos. 4 and 5 Power Boilers shared a common stack.

Table 3-1. Summary of PM₁₀ Ambient Monitoring Data Collected in Panama City (Revised 10/30/00)

| Year | County | Station ID | Monitor Location | Number of Hourly Observations | Concentration ($\mu\text{g}/\text{m}^3$) | | | |
|------|--------|--------------|---|-------------------------------------|---|---------------------|---------------------|-------------------|
| | | | | | Maximum 24-Hour | 2nd High 24-Hour | 3rd High 24-Hour | Annual Average |
| 1997 | Bay | 3480-004-F02 | Panama City - Cherry Street and Henderson Avenue | 56 | 62 | 52 | 51 | 25 |
| 1998 | Bay | 12-005-1004 | Panama City - Cherry Street and Henderson Avenue | 54 | 73 | 64 | 62 | 28 |
| 1999 | Bay | 12-005-1004 | Panama City - Cherry Street and Henderson Avenue | 38 | 80 | 50 | 48 | 25 |

Note: $\mu\text{g}/\text{m}^3$ = micrograms per cubic meter

Table 3-2. Summary of Sulfur Dioxide Ambient Monitoring Data Collected in Pensacola (Revised 10/30/00)

| Year | County | Station ID | Monitor Location | Number of Hourly Observations | Concentration ($\mu\text{g}/\text{m}^3$) | | | | |
|------|----------|--------------|---|-------------------------------------|---|--------------------|--------------------|---------------------|-------------------|
| | | | | | Maximum 3-Hour | 2nd High 3-Hour | Maximum 24-Hour | 2nd-High 24-Hour | Annual Average |
| 1997 | Escambia | 3540-004-F01 | Pensacola - Ellyson Industrial Park | 8,715 | 233 | 191 | 98 | 76 | 11 |
| 1997 | Escambia | 3540-022-F02 | Pensacola - 11000 University Parkway | 8,657 | 333 | 322 | 114 | 86 | 12 |
| 1998 | Escambia | 12-033-0004 | Pensacola - Ellyson Industrial Park | 8,707 | 254 (0.097 ppm) | 215 (0.082 ppm) | 60 (0.023 ppm) | 58 (0.022 ppm) | 10 (0.004 ppm) |
| 1998 | Escambia | 12-033-0022 | Pensacola - 11000 University Parkway | 8,595 | 265 (0.101 ppm) | 212 (0.081 ppm) | 63 (0.021 ppm) | 63 (0.024 ppm) | 8 (0.003 ppm) |
| 1999 | Escambia | 12-033-0004 | Pensacola - Ellyson Industrial Park | 8,669 | 231 (0.088 ppm) | 194 (0.074 ppm) | 73 (0.028 ppm) | 47 (0.018 ppm) | 10 (0.004 ppm) |
| 1999 | Escambia | 12-033-0022 | Pensacola - 11000 University Parkway | 8,275 | 246 (0.094 ppm) | 225 (0.086 ppm) | 84 (0.032 ppm) | 76 (0.029 ppm) | 10 (0.004 ppm) |

Note: $\mu\text{g}/\text{m}^3$ = micrograms per cubic meter

Table 3-3. Summary of Carbon Monoxide Ambient Monitoring Data Collected in Jacksonville (Revised 10/30/00)

| Year | County | Station ID | Monitor Location | Number of Hourly Observations | Concentration ($\mu\text{g}/\text{m}^3$) | | | |
|------|--------|--------------|--------------------------------------|-------------------------------------|---|--------------------|--------------------|--------------------|
| | | | | | Maximum 1-Hour | 2nd High 1-Hour | Maximum 8-Hour | 2nd-High 8-Hour |
| 1997 | Duval | 1960-083-H01 | Jacksonville - 1200 S. McDuff Avenue | 8,544 | 8,000 (7 ppm) | 6,000 (5 ppm) | 3,000 (3 ppm) | 3,000 (3 ppm) |
| 1998 | Duval | 12-031-0083 | Jacksonville - 1200 S. McDuff Avenue | 8,013 | 5,400 (4.9 ppm) | 5,300 (4.8 ppm) | 3,400 (3.1 ppm) | 3,200 (2.9 ppm) |
| 1999 | Duval | 12-031-0083 | Jacksonville - 1200 S. McDuff Avenue | 7,448 | 9,670 (8.7 ppm) | 6,555 (5.9 ppm) | 5,111 (4.6 ppm) | 4,333 (3.9 ppm) |

Note: ppm = parts per million
 1 ppm = 1,111 $\mu\text{g}/\text{m}^3$
 $\mu\text{g}/\text{m}^3$ = micrograms per cubic meter

Table 3-4. Summary of Nitrogen Dioxide Ambient Monitoring Data Collected in Pensacola (Revised 10/30/00)

| Year | County | Station ID | Monitor Location | Number of Hourly Observations | Annual Average Concentration ($\mu\text{g}/\text{m}^3$) |
|------|----------|--------------|-------------------------------------|-------------------------------------|---|
| 1997 | Escambia | 3540-004-F01 | Pensacola - Ellyson Industrial Park | 6,161 | 16 |
| 1999 | Escambia | 12-033-0004 | Pensacola - Ellyson Industrial Park | 6,176 | 19 |

Note: ppm = parts per million
 0.053 ppm = $100 \mu\text{g}/\text{m}^3$
 $\mu\text{g}/\text{m}^3$ = micrograms per cubic meter

Table 4-1. Major Features of the ISC-PRIME Model

| ISC-PRIME Model Features ^a | |
|---------------------------------------|---|
| • | Polar or Cartesian coordinate systems for receptor locations |
| • | Rural or one of three urban options which affect wind speed profile exponent, dispersion rates, and mixing height calculations |
| • | Plume rise due to momentum and buoyancy as a function of downwind distance for stack emissions (Briggs, 1969, 1971, 1972, and 1975; Bowers, et al., 1979). |
| • | Procedures suggested by Schulman et al. (1998) for evaluating building wake effects |
| • | Procedures suggested by Briggs (1974) for evaluating stack-tip downwash |
| • | Separation of multiple emission sources |
| • | Consideration of the effects of gravitational settling and dry deposition on ambient particulate concentrations |
| • | Capability of simulating point, line, volume, area, and open pit sources |
| • | Capability to calculate dry and wet deposition, including both gaseous and particulate precipitation scavenging for wet deposition |
| • | Variation of wind speed with height (wind speed-profile exponent law) |
| • | Concentration estimates for 1 hour to annual average times |
| • | Terrain-adjustment procedures for elevated terrain including a terrain truncation algorithm for ISCST3; a built-in algorithm for predicting concentrations in complex terrain |
| • | Consideration of time-dependent exponential decay of pollutants |
| • | The method of Pasquill (1976) to account for buoyancy-induced dispersion |
| • | A regulatory default option to set various model options and parameters to EPA recommended values (see text for regulatory options used) |
| • | Procedure for calm-wind processing including setting wind speeds less than 1 m/s to 1 m/s. |

Note: ISC-PRIME = Industrial Source Complex Short-Term Model with Plume Rise Model Enhancement (PRIME) downwash algorithm.

^a References:

- Bowers, J.F., J.R. Bjorklund and C.S. Cheney. 1979. Industrial Source Complex (ISC) Dispersion Model User's Guide. Volume I, EPA-450/4-79-030; Volume II. EPA-450/4-79-031. U.S. Environmental Protection Agency, Research Triangle Park, North Carolina 27711.
- Briggs, G.A. 1969. Plume Rise, USAEC Critical Review Series, TID-25075. National Technical Information Service, Springfield, Virginia 22161.
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- Briggs, G.A. 1974. Diffusion Estimation for Small Emissions. In: ERL, ARL USAEC Report ATDL-106. U.S. Atomic Energy Commission, Oak Ridge, Tennessee.
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- Pasquill, F. 1976. Atmospheric Dispersion Parameters in Gaussian Plume Modeling - Part II. Possible Requirements for Change in the Turner Workbook Values. EPA-600/4-76-030b, U.S. Environmental Protection Agency, Research Triangle Park, North Carolina 27711.
- Schulman, L.L. and J.S. Scire. 1980. Buoyant Line and Point Source (BLP) Dispersion Model User's Guide. Document P-7304B, Environmental Research and Technology, Inc., Concord, MA.

Table 4-2. Summary of Competing SO₂ Facilities Considered for Inclusion in the AAQS and PSD Class I and Class II Modeling Analyses

| Facility ID Number | Facility | UTM Coordinates | | Relative to Smurfit-Stone Mill ^a | | | | SO ₂ | Q | Included Modeling Analysis? ^c |
|-----------------------|--|-----------------|--------------|---|-----------|------------------|---------------------|---|---|--|
| | | North (km) | East (km) | X (km) | Y (km) | Distance (km) | Direction (deg.) | Emissions Rate ^b (TPY) | Emissions Threshold Distance x 20 | |
| 0050001 | Arizona Chemical Company | 3335.4 | 633.1 | 0.08 | 0.07 | 0.1 | 49 | 1,226 | 2.1 | Yes |
| 0050062 | Granger Asphalt Paving, Inc. | 3340.3 | 628.1 | -4.7 | 5.2 | 7.0 | 318 | 74 | 140.0 | No |
| 0050008 | Gulf Asphalt Corporation | 3343.7 | 634.9 | 2.1 | 8.6 | 8.9 | 14 | 74 | 177.1 | No |
| 0050038 | Triangle Construction Road Building Inc. | 3347.0 | 638.8 | 6.0 | 11.9 | 13.3 | 27 | 45 | 266.5 | No |
| 0050014 | Gulf Power (L.S. Plant) | 3349.1 | 625.2 | -7.6 | 14.0 | 15.9 | 332 | 80,769 | 318.6 | Yes |
| 0050031 | Bay County Energy Systems Inc. | 3348.9 | 644.0 | 11.2 | 13.8 | 17.8 | 39 | 313 | 355.5 | Yes ^d |
| 7770034 | Drum Mix Asphalt Plant #6 | 3362.8 | 648.8 | 16.0 | 27.7 | 32.0 | 30 | 52 | 639.3 | No |
| 0450002 | Sylvachem Corporation | 3299.6 | 661.9 | 29.1 | -35.5 | 45.9 | 141 | 2 | 917.1 | No |
| 0450005 | Florida Coast Paper Company, L.L.C. | 3299.0 | 662.8 | 30.0 | -36.1 | 46.9 | 140 | 3,224 | 938.8 | Yes |
| 0770007 | North Florida Lumber | 3358.9 | 689.5 | 56.7 | 23.8 | 61.5 | 67 | 3 | 1230.4 | No |
| 1330035 | Trawick Pit | 3397.5 | 633.9 | 1.1 | 62.4 | 62.4 | 1 | 2 | 1247.6 | No |
| 1330005 | Florida Gas Transmission Station 13 | 3394.2 | 610.6 | -22.2 | 59.1 | 63.1 | 339 | 2 | 1262.6 | No |
| 1310008 | Freeport Batch Plant | 3360.3 | 573.1 | -59.7 | 25.2 | 64.8 | 293 | 39 | 1296.0 | No |
| 0630031 | White Construction Company | 3403.5 | 654.2 | 21.4 | 68.4 | 71.7 | 17 | 96 | 1433.4 | No |
| 1310013 | Alabama Electric Cooperative | 3383.5 | 575.1 | -57.7 | 48.4 | 75.3 | 310 | 2 | 1506.2 | No |
| 0630002 | Baxter Asphalt & Concrete | 3406.9 | 666.7 | 33.9 | 71.8 | 79.4 | 25 | 41 | 1588.0 | No |
| 0770009 | Timber Energy Resources | 3358.1 | 709.4 | 76.6 | 23.0 | 80.0 | 73 | 13 | 1599.6 | No |
| 0630035 | Anderson Columbia Company, Inc. Plant #2 | 3404.5 | 677.0 | 44.2 | 69.4 | 82.3 | 32 | 23 | 1645.6 | No |
| 7775017 | Defuniak Drum Mix Asphalt Plant | 3400.5 | 579.5 | -53.3 | 65.4 | 84.4 | 321 | 99 | 1687.4 | No |
| 7770049 | Jones Pit Facility | 3417.2 | 657.8 | 25.0 | 82.1 | 85.8 | 17 | 2 | 1716.4 | No |
| 7770021 | #12 Asphalt Plant | 3400.7 | 577.2 | -55.6 | 65.6 | 86.0 | 320 | 56 | 1719.8 | No |
| 0630045 | Springhill Regional Landfill | 3423.1 | 650.5 | 17.7 | 88.0 | 89.7 | 11 | 8 | 1794.9 | No |
| 0630023 | Southern States Cooperative, Inc. | 3424.9 | 651.5 | 18.7 | 89.8 | 91.7 | 12 | 49 | 1834.3 | No |
| 0630014 | Gulf Power (Scholz Plant) | 3395.8 | 702.4 | 69.6 | 60.7 | 92.4 | 49 | 31,728 | 1847.0 | Yes |
| 0630044 | Apalachee Correctional Institution | 3399.3 | 703.0 | 70.2 | 64.2 | 95.2 | 48 | 9 | 1903.5 | No |
| 0390029 | Florida Gas Transmission Station 14 | 3377.4 | 719.9 | 87.1 | 42.3 | 96.8 | 64 | 2 | 1936.6 | No |
| 0390004 | Florida State Hospital - Chattahoochee | 3399.2 | 707.6 | 74.8 | 64.1 | 98.5 | 49 | 729 | 1970.2 | No |
| 7770142 | Chadbourne Plant 106 | 3402.2 | 559.1 | -73.7 | 67.1 | 99.7 | 312 | 23 | 1993.1 | No |
| 0390032 | C.W. Roberts Contracting Inc. | 3371.4 | 726.5 | 93.7 | 36.3 | 100.5 | 69 | 48 | 2009.7 | No |
| 0910064 | Hurlburt Field | 3364.7 | 529.7 | -103.1 | 29.6 | 107.3 | 286 | 43 | 2145.4 | No |
| 0390005 | Engelhard Corporation | 3387.5 | 732.6 | 99.8 | 52.4 | 112.7 | 62 | 10 | 2254.4 | No |
| 0730003 | City of Tallahassee - Hopkins | 3371.7 | 749.5 | 116.7 | 36.6 | 122.3 | 73 | 17,428 | 2446.7 | Yes ^e |
| 7770014 | Peavy and Son Construction Company | 3395.2 | 742.4 | 109.6 | 60.1 | 125.0 | 61 | 98 | 2499.9 | No |
| 0390009 | Havana Mills | 3394.3 | 747.1 | 114.3 | 59.2 | 128.7 | 63 | 3 | 2574.4 | No |
| 0730065 | National Linen Service | 3368.3 | 759.0 | 126.2 | 33.2 | 130.5 | 75 | 23 | 2609.9 | No |
| 0730009 | Physical Plant | 3368.9 | 760.5 | 127.7 | 33.8 | 132.1 | 75 | 31 | 2641.9 | No |
| 7770064 | Woodville Plant | 3361.6 | 762.8 | 130.0 | 26.5 | 132.7 | 78 | 21 | 2653.5 | No |

Table 4-2. Summary of Competing SO₂ Facilities Considered for Inclusion in the AAQS and PSD Class I and Class II Modeling Analyses

| Facility ID | Facility | UTM Coordinates | | Relative to Smurfit-Stone Mill ^a | | | | SO ₂ | Q | Included Modeling Analysis? ^f |
|-------------|--|-----------------|-----------|---|--------|---------------|------------------|-----------------------------------|-----------------------------------|--|
| | | North (km) | East (km) | X (km) | Y (km) | Distance (km) | Direction (deg.) | Emissions Rate ^b (TPY) | Emissions Threshold Distance x 20 | |
| 1290003 | Primex Technologies, Ordance & Tactical | 3342.1 | 767.6 | 134.8 | 7.0 | 135.0 | 87 | 245 | 2699.6 | No |
| 1290005 | St. Marks Terminal | 3338.4 | 769.3 | 136.5 | 3.3 | 136.5 | 89 | 66 | 2730.8 | No |
| 1290001 | City of Tallahassee - Purdom | 3340.0 | 769.5 | 136.7 | 4.9 | 136.8 | 88 | 5,414 | 2735.7 | Yes ^e |
| 0730034 | Mitchell Brothers Inc. | 3372.1 | 766.2 | 133.4 | 37.0 | 138.4 | 74 | 86 | 2768.7 | No |
| 1130015 | DBA Santa Rosa Asphalt & Materials Inc. | 3384.0 | 493.8 | -139.0 | 48.9 | 147.4 | 289 | 14 | 2947.0 | No |
| 7774806 | Milton Plant | 3385.1 | 493.7 | -139.1 | 50.0 | 147.8 | 290 | 36 | 2956.8 | No |
| 1130037 | Florida Gas Transmission Station 12 | 3419.6 | 510.8 | -122.0 | 84.5 | 148.4 | 305 | 4 | 2968.1 | No |
| 1130003 | Sterling Fibers, Inc. | 3380.2 | 489.2 | -143.6 | 45.1 | 150.5 | 287 | 1 | 3010.3 | No |
| 1130004 | Air Products and Chemicals Inc. | 3383.4 | 487.0 | -145.8 | 48.3 | 153.6 | 288 | 4 | 3071.8 | No |
| 0330132 | Freeport-McMoran Sulphur, L.L.C. | 3363.2 | 480.0 | -152.8 | 28.1 | 155.4 | 280 | 3 | 3107.2 | No |
| 0330060 | Coastal Fuels Marketing, Inc. | 3363.4 | 479.6 | -153.2 | 28.3 | 155.8 | 280 | 47 | 3115.8 | No |
| 0330067 | Main Street WWTP | 3363.7 | 478.9 | -153.9 | 28.6 | 156.6 | 281 | 15 | 3131.4 | No |
| 0330122 | Hudsko, Inc. | 3375.8 | 480.8 | -152.0 | 40.7 | 157.4 | 285 | 50 | 3147.1 | No |
| 7775030 | Compression Coat, Inc. | 3363.4 | 476.1 | -156.7 | 28.3 | 159.2 | 280 | 11 | 3185.0 | No |
| 0330045 | Gulf Power Co. (Crist Plant) | 3381.4 | 478.3 | -154.5 | 46.3 | 161.3 | 287 | 173,865 | 3226.1 | No |
| 1130014 | Blackjack Creek | 3412.7 | 488.8 | -144.0 | 77.6 | 163.6 | 298 | 129 | 3271.6 | No |
| 0330040 | Solutia Inc. | 3385.0 | 476.0 | -156.8 | 49.9 | 164.5 | 288 | 8,844 | 3290.7 | No |
| 7775008 | Group III Asphalt, Inc. | 3375.9 | 469.9 | -162.9 | 40.8 | 167.9 | 284 | 49 | 3358.2 | No |
| 0330248 | Specialty Minerals, Inc. | 3374.6 | 469.6 | -163.2 | 39.5 | 168.0 | 284 | 3 | 3359.0 | No |
| 1130043 | Group III Asphalt, Inc. | 3375.9 | 469.6 | -163.2 | 40.8 | 168.2 | 284 | 30 | 3364.2 | No |
| 0330042 | Pensacola Mill | 3385.8 | 469.0 | -163.8 | 50.7 | 171.5 | 287 | 4,433 | 3429.3 | No |
| 1130005 | St Regis Treating Facility and Jay Gas Plant | 3425.6 | 482.8 | -150.0 | 90.5 | 175.2 | 301 | 9,859 | 3503.7 | No |
| 7770068 | Sunbelt Resources, Inc. | 3374.1 | 452.0 | -180.8 | 39.0 | 185.0 | 282 | 22 | 3699.0 | No |

^a The SSCC Mill is located at UTM Coordinates:
North 3335.1 km
East 632.8 km

^b Sources with emissions less than 1 TPY not considered in screening analysis.

^c Source included in AAQS if (20 * Distance) < Emission Rate up to 100 km away from SSCC Mill.

^d Source included in the air modeling analysis because it is a PSD source.

^e Source included for PSD Class I analysis only, because of its proximity to PSD Class I areas.

^f Distance from SSCC Mill to Arizona Chemical Company obtained from SSCC Mill.

Table 4-3. Summary of Background SO₂ Sources Included in the Air Modeling Analysis

| Facility ID Number | Facility | Units | ISC-PRIME ID Name | Stack Parameters | | | | Emission Rate (g/s) | PSD Source? (EXP/CON) | Modeled in | | |
|--------------------|---------------------------------------|-----------------------------|-------------------|------------------|--------------|-------------|----------------|---------------------|-----------------------|------------|----------|---------|
| | | | | Height (m) | Diameter (m) | Temper. (K) | Velocity (m/s) | | | AAQS | Class II | Class I |
| 0050001 | Arizona Chemical Company | Boiler #1 | ARIZCHM1 | 30.5 | 1.22 | 510.9 | 22.75 | 17.64 | | Yes | No | No |
| | | Boiler #2 | ARIZCHM2 | 30.5 | 1.22 | 466.5 | 17.64 | 17.64 | | Yes | No | No |
| 0050014 | Gulf Power | Lansing Smith Units 1 and 2 | GULFPW12 | 60.7 | 5.49 | 441.0 | 31.30 | 3258.20 | | Yes | No | No |
| | | Peaking Turbines | GULFPWPK | 10.1 | 4.18 | 922.0 | 36.90 | 34.50 | | Yes | No | No |
| 0050031 | Bay County Energy Systems | Boilers No. 1 and 2 | BAYENRGY | 38.1 | 1.37 | 477.6 | 17.50 | 9.02 | CON | Yes | Yes | Yes |
| 0450005 | Florida Coast Paper | Kiln #1 | | 33.8 | 1.22 | 352.6 | 20.78 | 0.30 | | | | |
| | | Kiln #2 | | 33.8 | 1.22 | 352.6 | 19.85 | 0.30 | | | | |
| | | Kiln #3 | | 33.5 | 1.22 | 352.6 | 18.31 | 0.30 | | | | |
| | | Smelt Dissolving Tank No. 5 | | 38.1 | 1.07 | 360.4 | 7.71 | 0.44 | | | | |
| | | Smelt Dissolving Tank No. 6 | | 38.1 | 1.07 | 355.4 | 7.71 | 0.44 | | | | |
| | | Smelt Dissolving Tank No. 7 | | 30.5 | 2.38 | 367.6 | 2.25 | 1.32 | | | | |
| | | | FCPLKSDT | 30.5 | 2.38 | 367.6 | 2.25 | 3.10 | | Yes | No | No |
| | | Recovery Boiler #5 | | 38.1 | 2.56 | 460.9 | 14.81 | 32.29 | | | | |
| | | Recovery Boiler #6 | | 38.1 | 2.56 | 394.3 | 2.94 | 32.26 | | | | |
| | | Recovery Boiler #7 | | 61.0 | 5.33 | 429.8 | 9.10 | 22.06 | | | | |
| | PCPRBS67 | 38.1 | 2.56 | 394.3 | 9.10 | 86.61 | | Yes | No | No | | |
| | Power Boiler #9 | FCPPB9 | 51.8 | 4.27 | 343.1 | 10.33 | 76.23 | CON | Yes | Yes | Yes | |
| 0630014 | Gulf Power Co.(Scholz Plant) | Units 1 & 2 (ESP) | SCH12 | 45.7 | 4.11 | 438.7 | 12.19 | 912.7 | | Yes | No | No |
| 1290001 | City of Tallahassee S.O.Purdom Plant | Unit No. 2 | TALPUR2 | 26.0 | 1.95 | 478.0 | 5.89 | -39.88 | EXP | No | No | Yes |
| | | Unit No. 3 | TALPUR3 | 26.0 | 1.95 | 478.0 | 5.89 | -39.88 | EXP | No | No | Yes |
| | | Unit No. 4 | TALPUR4 | 26.0 | 1.95 | 478.0 | 5.89 | -39.88 | EXP | No | No | Yes |
| | | Unit No. 5 | TALPUR5 | 38.1 | 3.96 | 447.0 | 7.23 | -104.04 | EXP | No | No | Yes |
| | | Unit No. 6 | TALPUR6 | 38.1 | 3.96 | 447.0 | 7.23 | -104.04 | EXP | No | No | Yes |
| | | Unit No. 7 | TALPUR7 | 54.9 | 2.74 | 422.0 | 14.44 | -68.92 | EXP | No | No | Yes |
| | | Unit No. 8 | TALPUR8 | 61.0 | 5.00 | 353.0 | 15.38 | 7.82 | CON | No | No | Yes |
| | | Gas Turbines | TALPURGT | 11.6 | 3.05 | 744.0 | 25.56 | -10.29 | EXP | No | No | Yes |
| | | | | | | | | | | | | |
| 0730003 | City of Tallahassee A.B.Hopkins Plant | Unit No. 1 | TALHOP1 | 61.0 | 3.35 | 400.0 | 21.11 | -227.59 | EXP | No | No | Yes |
| | | Unit No. 2 | TALHOP2 | 76.2 | 4.27 | 400.0 | 21.00 | 410.76 | CON | No | No | Yes |

Table 4-4. Summary of Competing PM Facilities Considered for Inclusion in the AAQS and PSD Class I and Class II Modeling Analyses

| Plant ID | Facility Name | UTM Coordinates | | Relative Location ^a | | | | PM Emissions | Q Emissions | Included in Modeling Analysis? ^c |
|----------|---|-----------------|-----------|--------------------------------|--------|---------------|------------------|-------------------------|-------------------------|---|
| | | North (km) | East (km) | X (km) | Y (km) | Distance (km) | Direction (deg.) | Rate ^b (TPY) | Threshold Distance x 20 | |
| 0050001 | Arizona Chemical Company | 3335.4 | 633.1 | 0.08 | 0.07 | 0.1 | 49 | 219 | 2.1 | Yes |
| 0050005 | Florida Asphalt Paving Company | 3338.3 | 631.4 | -1.4 | 3.2 | 3.5 | 336 | 29 | 69.9 | No |
| 0050051 | Humane Soceity of Bay County | 3338.8 | 630.7 | -2.1 | 3.7 | 4.3 | 330 | 3 | 85.1 | No |
| 0050062 | Granger Asphalt Paving, Inc. | 3340.3 | 628.1 | -4.7 | 5.2 | 7.0 | 318 | 15 | 140.0 | No |
| 0050024 | Tyndall Air Force Base | 3326.8 | 635.6 | 2.8 | -8.3 | 8.8 | 161 | 1 | 175.2 | No |
| 0050038 | Triangle Construction Road Building, Inc. | 3347.0 | 638.8 | 6.0 | 11.9 | 13.3 | 27 | 12 | 266.5 | No |
| 0050014 | Gulf Power (L.S. Plant) | 3349.1 | 625.2 | -7.6 | 14.0 | 15.9 | 332 | 1,836 | 318.6 | Yes |
| 0050031 | Bay County Energy Systems Inc. | 3348.9 | 644.0 | 11.2 | 13.8 | 17.8 | 39 | 59 | 355.5 | Yes ^d |
| 0050028 | West Bay Sawmill | 3355.2 | 608.8 | -24.0 | 20.1 | 31.3 | 310 | 37 | 625.6 | No |
| 7770034 | Drum Mix Asphalt Plant #6 | 3362.8 | 648.8 | 16.0 | 27.7 | 32.0 | 30 | 12 | 639.3 | No |
| 0450008 | Eagle Recycling Inc. | 3333.9 | 669.1 | 36.3 | -1.2 | 36.4 | 92 | 17 | 727.2 | No |
| 0450001 | Premier Refractories Inc. | 3302.8 | 664.7 | 31.9 | -32.3 | 45.4 | 135 | 219 | 907.9 | No |
| 0450002 | SylvaChem Corporation | 3299.6 | 661.9 | 29.1 | -35.5 | 45.9 | 141 | 36 | 917.1 | No |
| 0450005 | Florida Coast Paper Company, L.L.C. | 3299.0 | 662.8 | 30.0 | -36.1 | 46.9 | 140 | 1,831 | 938.8 | Yes |
| 0770007 | North Florida Lumber | 3358.9 | 689.5 | 56.7 | 23.8 | 61.5 | 67 | 67 | 1230.4 | No |
| 1330035 | Trawick Pit | 3397.5 | 633.9 | 1.1 | 62.4 | 62.4 | 1 | 13 | 1247.6 | No |
| 1310253 | Medusa - Citadel Inc. | 3373.2 | 581.1 | -51.7 | 38.1 | 64.2 | 306 | 32 | 1284.7 | No |
| 1310008 | Freeport Batch Plant | 3360.3 | 573.1 | -59.7 | 25.2 | 64.8 | 293 | 9 | 1296.0 | No |
| 1330002 | Florida Asphalt Paving Company | 3399.8 | 624.4 | -8.4 | 64.7 | 65.2 | 353 | 44 | 1304.9 | No |
| 0630031 | White Construction Company | 3403.5 | 654.2 | 21.4 | 68.4 | 71.7 | 17 | 31 | 1433.4 | No |
| 1310013 | Alabama Electric Cooperative | 3383.5 | 575.1 | -57.7 | 48.4 | 75.3 | 310 | 2 | 1506.2 | No |
| 0630040 | Golden Peanut Company | 3407.7 | 655.1 | 22.3 | 72.6 | 75.9 | 17 | 11 | 1519.0 | No |
| 7775064 | Anderson Columbia | 3401.2 | 672.1 | 39.3 | 66.1 | 76.9 | 31 | 8 | 1538.0 | No |
| 0630052 | Concrete Plant #2 | 3401.3 | 672.3 | 39.5 | 66.2 | 77.1 | 31 | 42 | 1541.0 | No |
| 1310019 | Defuniak Drum Mix Asphalt Plant | 3399.3 | 590.1 | -42.7 | 64.2 | 77.1 | 326 | 87 | 1542.1 | No |
| 0630002 | Baxter Asphalt & Concrete | 3406.9 | 666.7 | 33.9 | 71.8 | 79.4 | 25 | 43 | 1588.0 | No |
| 0770009 | Timber Energy Resources | 3358.1 | 709.4 | 76.6 | 23.0 | 80.0 | 73 | 48 | 1599.6 | No |
| 0630035 | Anderson Columbia Company, Inc. Plant #2 | 3404.5 | 677.0 | 44.2 | 69.4 | 82.3 | 32 | 40 | 1645.6 | No |
| 0630028 | Marianna Sawmill | 3400.1 | 683.3 | 50.5 | 65.0 | 82.3 | 38 | 2 | 1646.2 | No |
| 7775017 | Defuniak Drum Mix Asphalt Plant | 3400.5 | 579.5 | -53.3 | 65.4 | 84.4 | 321 | 56 | 1687.4 | No |
| 0370008 | Franklin County Board of Commissioners | 3297.1 | 708.6 | 75.8 | -38.0 | 84.8 | 117 | 77 | 1696.5 | No |
| 7770049 | Jones Pit Facility | 3417.2 | 657.8 | 25.0 | 82.1 | 85.8 | 17 | 4 | 1716.4 | No |
| 7770021 | #12 Asphalt Plant | 3400.7 | 577.2 | -55.6 | 65.6 | 86.0 | 320 | 34 | 1719.8 | No |
| 7775029 | Rock Crusher | 3418.7 | 656.1 | 23.3 | 83.6 | 86.8 | 16 | 12 | 1736.6 | No |
| 0910025 | Florida Mining & Materials | 3364.3 | 548.5 | -84.3 | 29.2 | 89.2 | 289 | 3 | 1784.3 | No |
| 0630015 | Golden Peanut Company | 3425.2 | 642.1 | 9.3 | 90.1 | 90.6 | 6 | 1 | 1811.6 | No |
| 0630023 | Southern States Cooperative, Inc. | 3424.9 | 651.5 | 18.7 | 89.8 | 91.7 | 12 | 17 | 1834.3 | No |
| 0630041 | Golden Peanut Company | 3416.9 | 675.2 | 42.4 | 81.8 | 92.1 | 27 | 40 | 1842.7 | No |
| 0630014 | Gulf Power (Scholz Plant) | 3395.8 | 702.4 | 69.6 | 60.7 | 92.4 | 49 | 514 | 1847.0 | No |
| 0390034 | Chattahoochee Sand & Gravel | 3398.1 | 703.1 | 70.3 | 63.0 | 94.4 | 48 | 3 | 1887.5 | No |
| 0910031 | Eglin Air Force Base | 3369.6 | 542.6 | -90.2 | 34.5 | 96.6 | 291 | 17 | 1931.5 | No |
| 0390004 | Florida State Hospital - Chattahoochee | 3399.2 | 707.6 | 74.8 | 64.1 | 98.5 | 49 | 154 | 1970.2 | No |
| 7774802 | Shalimar Batch Plant | 3370.6 | 540.6 | -92.2 | 35.5 | 98.8 | 291 | 53 | 1976.0 | No |
| 7770142 | Chadbourne Plant 106 | 3402.2 | 559.1 | -73.7 | 67.1 | 99.7 | 312 | 6 | 1993.1 | No |
| 0390032 | C.W. Roberts Contracting Inc. | 3371.4 | 726.5 | 93.7 | 36.3 | 100.5 | 69 | 2 | 2009.7 | No |

Table 4-4. Summary of Competing PM Facilities Considered for Inclusion in the AAQS and PSD Class I and Class II Modeling Analyses

| Plant ID | Facility Name | UTM Coordinates | | Relative Location* | | | | PM Emissions | Q Emissions | Included in Modeling Analysis? |
|----------|--|-----------------|-----------|--------------------|--------|---------------|------------------|-------------------------|-------------------------|--------------------------------|
| | | North (km) | East (km) | X (km) | Y (km) | Distance (km) | Direction (deg.) | Rate ^b (TPY) | Threshold Distance x 20 | |
| 0910027 | Florida Mining & Materials | 3368.5 | 536.0 | -96.8 | 33.4 | 102.4 | 289 | 1 | 2048.0 | No |
| 0910061 | Cox Building Corporation | 3365.4 | 532.8 | -100.0 | 30.3 | 104.5 | 287 | 33 | 2090.4 | No |
| 0910063 | Marble Works | 3364.3 | 532.0 | -100.8 | 29.2 | 104.9 | 286 | 2 | 2098.8 | No |
| 0910064 | Hurlburt Field | 3364.7 | 529.7 | -103.1 | 29.6 | 107.3 | 286 | 3 | 2145.4 | No |
| 0390025 | Florida Rock Industries, Inc. | 3385.4 | 728.4 | 95.6 | 50.3 | 108.0 | 62 | 28 | 2160.5 | No |
| 0390026 | Florida Rock Industries, Inc. | 3385.4 | 728.4 | 95.6 | 50.3 | 108.0 | 62 | 14 | 2160.5 | No |
| 0390030 | Harborlite Corporation | 3385.2 | 729.8 | 97.0 | 50.1 | 109.2 | 63 | 6 | 2183.5 | No |
| 0390007 | Pat Higdon Industries | 3386.5 | 729.9 | 97.1 | 51.4 | 109.9 | 62 | 5 | 2197.3 | No |
| 0390033 | Sasser Morgan-McClellan Funeral Home | 3386.1 | 732.6 | 99.8 | 51.0 | 112.1 | 63 | 2 | 2241.5 | No |
| 0390005 | Engelhard Corporation | 3387.5 | 732.6 | 99.8 | 52.4 | 112.7 | 62 | 300 | 2254.4 | No |
| 0910042 | Funeral Services Acquisition Group | 3403.6 | 541.7 | -91.1 | 68.5 | 114.0 | 307 | 5 | 2279.6 | No |
| 0910033 | Fleming Lumber Co. | 3402.5 | 534.7 | -98.1 | 67.4 | 119.0 | 304 | 2 | 2380.5 | No |
| 0730003 | City of Tallahassee - Hopkins | 3371.7 | 749.5 | 116.7 | 36.6 | 122.3 | 73 | 788 | 2446.7 | Yes* |
| 7770014 | Peavy and Son Construction Company | 3395.2 | 742.4 | 109.6 | 60.1 | 125.0 | 61 | 22 | 2499.9 | No |
| 7770100 | C.W. Roberts Contracting Inc. | 3370.8 | 752.7 | 119.9 | 35.7 | 125.1 | 73 | 9 | 2502.0 | No |
| 0730068 | Fairchild Cremation Services, Inc. | 3373.5 | 754.2 | 121.4 | 38.4 | 127.3 | 72 | 2 | 2546.6 | No |
| 0390009 | Havana Mills | 3394.3 | 747.1 | 114.3 | 59.2 | 128.7 | 63 | 146 | 2574.4 | No |
| 0730065 | National Linen Service | 3368.3 | 759.0 | 126.2 | 33.2 | 130.5 | 75 | 2 | 2609.9 | No |
| 0730009 | Physical Plant | 3368.9 | 760.5 | 127.7 | 33.8 | 132.1 | 75 | 46 | 2641.9 | No |
| 7770064 | Woodville Plant | 3361.6 | 762.8 | 130.0 | 26.5 | 132.7 | 78 | 31 | 2653.5 | No |
| 1290005 | St. Marks Terminal | 3338.4 | 769.3 | 136.5 | 3.3 | 136.5 | 89 | 6 | 2730.8 | No |
| 1290001 | City of Tallahassee - Pundom | 3340.0 | 769.5 | 136.7 | 4.9 | 136.8 | 88 | 463 | 2735.7 | Yes* |
| 0730034 | Mitchell Brothers Inc. | 3372.1 | 766.2 | 133.4 | 37.0 | 138.4 | 74 | 3 | 2768.7 | No |
| 7770147 | Anderson Columbia Inc, #5 | 3388.9 | 502.0 | -130.8 | 53.8 | 141.4 | 292 | 8 | 2828.9 | No |
| 1130031 | The Quikrete Companies | 3383.5 | 497.1 | -135.7 | 48.4 | 144.1 | 290 | 30 | 2881.5 | No |
| 1130017 | Santa Rosa Concrete Co. | 3386.5 | 496.8 | -136.0 | 51.4 | 145.3 | 291 | 2 | 2906.9 | No |
| 1130172 | Santa Rosa County Board of Commissioners | 3382.7 | 494.3 | -138.5 | 47.6 | 146.5 | 289 | 5 | 2929.0 | No |
| 7770024 | Joseph Concrete Company | 3387.9 | 496.1 | -136.7 | 52.8 | 146.5 | 291 | 6 | 2930.9 | No |
| 7775043 | Shear Concrete Products Inc. | 3383.7 | 494.3 | -138.5 | 48.6 | 146.8 | 289 | 5 | 2935.8 | No |
| 1130015 | DBA Santa Rosa Asphalt & Materials Inc. | 3384.0 | 493.8 | -139.0 | 48.9 | 147.4 | 289 | 2 | 2947.0 | No |
| 7774806 | Milton Plant | 3385.1 | 493.7 | -139.1 | 50.0 | 147.8 | 290 | 10 | 2956.8 | No |
| 1130033 | Santa Rosa County Board of Commissioners | 3384.7 | 493.1 | -139.7 | 49.6 | 148.2 | 290 | 61 | 2964.9 | No |
| 1130039 | Milton Concrete Block Plant | 3382.2 | 492.2 | -140.6 | 47.1 | 148.3 | 289 | 14 | 2965.6 | No |
| 1130022 | Naval Air Station Whiting Field | 3398.2 | 497.8 | -135.0 | 63.1 | 149.0 | 295 | 2 | 2980.4 | No |
| 1130003 | Sterling Fibers, Inc. | 3380.2 | 489.2 | -143.6 | 45.1 | 150.5 | 287 | 269 | 3010.3 | No |
| 1130004 | Air Products and Chemicals Inc. | 3383.4 | 487.0 | -145.8 | 48.3 | 153.6 | 288 | 183 | 3071.8 | No |
| 7770058 | NWF Contractors, Inc. | 3370.3 | 482.6 | -150.2 | 35.2 | 154.3 | 283 | 18 | 3085.9 | No |
| 0330119 | Pensacola Plant | 3375.6 | 483.9 | -148.9 | 40.5 | 154.3 | 285 | 19 | 3086.2 | No |
| 1130173 | Cogeneration Plant (Pea Ridge Plant) | 3381.6 | 485.6 | -147.2 | 46.5 | 154.3 | 288 | 5 | 3086.6 | No |
| 0330132 | Freeport McMorrان Sulphur, Inc. | 3363.2 | 480.0 | -152.8 | 28.1 | 155.4 | 280 | 16 | 3107.2 | No |
| 0330060 | Coastal Fuels Marketing Inc. | 3363.4 | 479.6 | -153.2 | 28.3 | 155.8 | 280 | 1 | 3115.8 | No |
| 0330067 | Main Street WWTP | 3363.7 | 478.9 | -153.9 | 28.6 | 156.6 | 281 | 20 | 3131.4 | No |
| 0330043 | Reichhold, Inc. | 3364.8 | 478.6 | -154.2 | 29.7 | 157.0 | 281 | 1 | 3140.7 | No |
| 0330041 | Sacred Heart Hospital | 3372.0 | 480.0 | -152.8 | 36.9 | 157.2 | 284 | 4 | 3143.5 | No |
| 0330122 | Hudscو, Inc. | 3375.8 | 480.8 | -152.0 | 40.7 | 157.4 | 285 | 4 | 3147.1 | No |

Table 4-4. Summary of Competing PM Facilities Considered for Inclusion in the AAQS and PSD Class I and Class II Modeling Analyses

| Plant ID | Facility Name | UTM Coordinates | | Relative Location ^a | | | | PM Emissions Rate ^b | Q Emissions Threshold | Included in Modeling Analysis ^c |
|----------|----------------------------------|-----------------|-----------|--------------------------------|--------|---------------|------------------|--------------------------------|-----------------------|--|
| | | North (km) | East (km) | X (km) | Y (km) | Distance (km) | Direction (deg.) | (TPY) | Distance x 20 | |
| 0330126 | Arizona Chemicals | 3363.9 | 476.6 | -156.2 | 28.8 | 158.8 | 280 | 4 | 3176.7 | No |
| 0330114 | Pensacola Christian College Inc. | 3371.0 | 477.8 | -155.0 | 35.9 | 159.1 | 283 | 1 | 3182.7 | No |
| 7775030 | Compression Coat, Inc. | 3363.4 | 476.1 | -156.7 | 28.3 | 159.2 | 280 | 5 | 3185.0 | No |
| 0330006 | Armstrong World Industries | 3363.5 | 475.9 | -156.9 | 28.4 | 159.4 | 280 | 539 | 3189.0 | No |
| 0330121 | Autoshred Recycling, L.L.C. | 3363.4 | 475.8 | -157.0 | 28.3 | 159.5 | 280 | 9 | 3190.6 | No |
| 0330129 | Enviro-Mates, Inc. | 3363.0 | 474.6 | -158.2 | 27.9 | 160.6 | 280 | 66 | 3211.9 | No |
| 0330080 | GSI Recycling, Inc. | 3366.5 | 475.0 | -157.8 | 31.4 | 160.9 | 281 | 3 | 3217.9 | No |
| 0330045 | Gulf Power Co. (Crist Plant) | 3381.4 | 478.3 | -154.5 | 46.3 | 161.3 | 287 | 3,524 | 3226.1 | No |
| 0330091 | Southeastern Crematory | 3364.2 | 473.5 | -159.3 | 29.1 | 161.9 | 280 | 2 | 3238.7 | No |
| 0330123 | MAACO Auto Painting & Body Works | 3373.2 | 475.2 | -157.6 | 38.1 | 162.1 | 284 | 1 | 3242.8 | No |
| 0330082 | Naval Air Station Pensacola | 3358.3 | 472.3 | -160.5 | 23.2 | 162.2 | 278 | 2 | 3243.4 | No |
| 0330112 | Chadbourne Asphalt Plant 105 | 3361.1 | 472.7 | -160.1 | 26.0 | 162.2 | 279 | 27 | 3243.9 | No |
| 0330097 | Navy Public Works Center | 3363.8 | 472.2 | -160.6 | 28.7 | 163.1 | 280 | 3 | 3262.9 | No |
| 0330086 | Naval Hospital | 3362.3 | 471.2 | -161.6 | 27.2 | 163.9 | 280 | 8 | 3277.5 | No |
| 0330133 | Advanced Elastomer Systems, L.P. | 3384.6 | 476.5 | -156.3 | 49.5 | 164.0 | 288 | 5 | 3279.0 | No |
| 0330118 | Harris Concrete and Patio Center | 3362.5 | 470.7 | -162.1 | 27.4 | 164.4 | 280 | 5 | 3288.7 | No |
| 0330040 | Solutia Inc. | 3385.0 | 476.0 | -156.8 | 49.9 | 164.5 | 288 | 611 | 3290.7 | No |
| 7775008 | Group III Asphalt, Inc. | 3375.9 | 469.9 | -162.9 | 40.8 | 167.9 | 284 | 16 | 3358.2 | No |
| 0330248 | Specialty Minerals, Inc. | 3374.6 | 469.6 | -163.2 | 39.5 | 168.0 | 284 | 8 | 3359.0 | No |
| 1130043 | Group III Asphalt, Inc. | 3375.9 | 469.6 | -163.2 | 40.8 | 168.2 | 284 | 2 | 3364.2 | No |
| 0330096 | Navy Public Works Center | 3370.0 | 467.0 | -165.8 | 34.9 | 169.4 | 282 | 6 | 3388.7 | No |
| 7775074 | Panhandle Land and Timber | 3386.4 | 470.4 | -162.4 | 51.3 | 170.3 | 288 | 8 | 3406.9 | No |
| 0330042 | Pensacola Mill | 3385.8 | 469.0 | -163.8 | 50.7 | 171.5 | 287 | 1,848 | 3429.3 | No |
| 7775073 | 400 TPH Asphalt Plant | 3390.9 | 469.8 | -163.1 | 55.8 | 172.3 | 289 | 21 | 3446.4 | No |
| 1130027 | Burkhead Gin | 3425.8 | 485.3 | -147.5 | 90.7 | 173.2 | 302 | 73 | 3463.1 | No |
| 1130026 | Golden Gin & Warehouse | 3426.1 | 484.8 | -148.0 | 91.0 | 173.7 | 302 | 59 | 3474.8 | No |
| 7770068 | Sunbelt Resources, Inc. | 3374.1 | 452.0 | -180.8 | 39.0 | 185.0 | 282 | 9 | 3699.0 | No |
| 0330024 | Chadbourne Asphalt Plant 104 | 3414.6 | 454.5 | -178.3 | 79.5 | 195.2 | 294 | 31 | 3904.4 | No |
| 0330136 | West Florida Cotton Gin | 3427.9 | 453.4 | -179.4 | 92.8 | 202.0 | 297 | 78 | 4040.2 | No |

^a The SSCC Mill is located at UTM Coordinates: North 3335.1 km
East 632.8 km

^b Sources with emissions less than 1 TPY not considered in screening analysis.

^c Source included in AAQS if (20 * Distance) < Emission Rate up to 100 km away from SSCC Mill.

^d Source included in the air modeling analysis because it is a PSD source.

^e Source included for PSD Class I analysis only, because of its proximity to PSD Class I areas.

^f Distance from SSCC Mill to Arizona Chemical Company obtained from SSCC Mill.

Table 4-5. Summary of Background PM Sources Included in the Air Modeling Analysis

| Facility ID Number | Facility | Units | ISC-PRIME ID Name | Stack Parameters | | | | Emission Rate (g/s) | PSD Source? (EXP/CON) | Modeled in | | |
|--------------------|---------------------------------------|-----------------------------|-------------------|------------------|--------------|-------------|----------------|---------------------|-----------------------|------------|----------|---------|
| | | | | Height (m) | Diameter (m) | Temper. (K) | Velocity (m/s) | | | AAQS | Class II | Class I |
| 0050001 | Arizona Chemical Company | Boiler #1 | ARIZCHM1 | 30.5 | 1.22 | 510.9 | 22.75 | 2.20 | Yes | No | No | |
| | | Boiler #2 | ARIZCHM2 | 30.5 | 1.22 | 466.5 | 17.64 | 2.20 | Yes | No | No | |
| 0050014 | Gulf Power | Lansing Smith Units 1 and 2 | GULFPW12 | 60.7 | 5.49 | 441.0 | 31.30 | 48.01 | Yes | No | No | |
| | | Peaking Turbines | GULFPWPK | 10.1 | 4.18 | 922.0 | 36.90 | 4.16 | Yes | No | No | |
| 0050031 | Bay County Energy Systems | Boilers No. 1 and 2 | BAYENRCY | 38.1 | 1.37 | 477.6 | 17.50 | 1.72 | CON | Yes | Yes | Yes |
| 0450005 | Florida Coast Paper | Kiln #1 | | 33.8 | 1.22 | 352.6 | 20.78 | 1.30 | | | | |
| | | Kiln #2 | | 33.8 | 1.22 | 352.6 | 19.85 | 1.30 | | | | |
| | | Kiln #3 | | 33.5 | 1.22 | 352.6 | 18.31 | 1.30 | | | | |
| | | Slaker A | | 12.2 | 0.76 | 355.4 | 1.45 | 3.23 | | | | |
| | | Slaker B | | 12.2 | 0.76 | 355.4 | 1.45 | 3.23 | | | | |
| | | Smelt Dissolving Tank No. 5 | | 38.1 | 1.07 | 360.4 | 7.71 | 0.71 | | | | |
| | | Smelt Dissolving Tank No. 6 | | 38.1 | 1.07 | 355.4 | 7.71 | 0.71 | | | | |
| | | Smelt Dissolving Tank No. 7 | | 30.5 | 2.38 | 367.6 | 2.25 | 2.51 | | | | |
| | | | FCPLKSDT | 30.5 | 2.38 | 367.6 | 2.25 | 14.29 | Yes | No | No | |
| | | Recovery Boiler #5 | | 38.1 | 2.56 | 460.9 | 14.81 | 4.72 | | | | |
| | | Recovery Boiler #6 | | 38.1 | 2.56 | 394.3 | 2.94 | 4.72 | | | | |
| Recovery Boiler #7 | | 61.0 | 5.33 | 429.8 | 9.10 | 19.20 | | | | | | |
| | PCPRB567 | 38.1 | 2.56 | 394.3 | 9.10 | 28.64 | Yes | No | No | | | |
| Power Boiler #9 | FCPPB9 | 51.8 | 4.27 | 343.1 | 10.33 | 11.11 | CON | Yes | Yes | Yes | | |
| 1290001 | City of Tallahassee S.O.Purdum Plant | Unit No. 2 | TALPUR2 | 26.0 | 1.95 | 478.0 | 5.89 | -1.81 | EXP | No | No | Yes |
| | | Unit No. 3 | TALPUR3 | 26.0 | 1.95 | 478.0 | 5.89 | -1.81 | EXP | No | No | Yes |
| | | Unit No. 4 | TALPUR4 | 26.0 | 1.95 | 478.0 | 5.89 | -1.81 | EXP | No | No | Yes |
| | | Unit No. 5 | TALPUR5 | 38.1 | 3.96 | 447.0 | 7.23 | -4.73 | EXP | No | No | Yes |
| | | Unit No. 6 | TALPUR6 | 38.1 | 3.96 | 447.0 | 7.23 | -4.73 | EXP | No | No | Yes |
| | | Unit No. 7 | TALPUR7 | 61.0 | 5.00 | 353.0 | 15.38 | 2.14 | CON | No | No | Yes |
| | | Unit No. 8 | TALPUR8 | 13.4 | 10.08 | 305.0 | 7.09 | 0.30 | CON | No | No | Yes |
| | | Gas Turbines | TALPURGT | 11.6 | 3.05 | 744.0 | 25.56 | 0.01 | CON | No | No | Yes |
| 0730003 | City of Tallahassee A.B.Hopkins Plant | Unit No. 2 | TALHOP2 | 76.2 | 4.27 | 400.0 | 21.00 | 29.32 | CON | No | No | Yes |

Table 4-6. Summary of Competing NO_x Facilities Considered for Inclusion in the AAQS and PSD Class I and Class II Modeling Analyses

| Plant ID | Facility Name | UTM Coordinates | | Relative Location ^a | | | | NO _x | Q | Included in Modeling Analysis ^f |
|----------|--|-----------------|-----------|--------------------------------|--------|---------------|------------------|-------------------------|-------------------------|--|
| | | North (km) | East (km) | X (km) | Y (km) | Distance (km) | Direction (deg.) | Emissions | Emissions | |
| | | | | | | | | Rate ^b (TPY) | Threshold Distance x 20 | |
| 0050001 | Arizona Chemical Company | 3335.4 | 633.1 | 0.08 | 0.07 | 0.1 | 49 | 460 | 2.1 | Yes |
| 0050045 | Citgo Petroleum Corporation | 3335.2 | 630.5 | -2.3 | 0.1 | 2.3 | 273 | 3 | 45.9 | No |
| 0050024 | Tyndall Air Force Base | 3326.8 | 635.6 | 2.8 | -8.3 | 8.8 | 161 | 19 | 175.2 | No |
| 0050008 | Gulf Asphalt Corporation | 3343.7 | 634.9 | 2.1 | 8.6 | 8.9 | 14 | 13 | 177.1 | No |
| 0050014 | Gulf Power (L.S. Plant) | 3349.1 | 625.2 | -7.6 | 14.0 | 15.9 | 332 | 6,920 | 318.6 | Yes |
| 0050031 | Bay County Energy Systems Inc. | 3348.9 | 644.0 | 11.2 | 13.8 | 17.8 | 39 | 236 | 355.5 | Yes ^d |
| 7770034 | Drum Mix Asphalt Plant #6 | 3362.8 | 648.8 | 16.0 | 27.7 | 32.0 | 30 | 9 | 639.3 | No |
| 0450008 | Eagle Recycling Inc. | 3333.9 | 669.1 | 36.3 | -1.2 | 36.4 | 92 | 3 | 727.2 | No |
| 0450001 | Premier Refractories Inc. | 3302.8 | 664.7 | 31.9 | -32.3 | 45.4 | 135 | 26 | 907.9 | No |
| 0450002 | Sylvachem Corporation | 3299.6 | 661.9 | 29.1 | -35.5 | 45.9 | 141 | 93 | 917.1 | No |
| 0450005 | Florida Coast Paper Company, L.L.C. | 3299.0 | 662.8 | 30.0 | -36.1 | 46.9 | 140 | 2,839 | 938.8 | Yes |
| 0770007 | North Florida Lumber | 3358.9 | 689.5 | 56.7 | 23.8 | 61.5 | 67 | 29 | 1230.4 | No |
| 1330035 | Trawick Pit | 3397.5 | 633.9 | 1.1 | 62.4 | 62.4 | 1 | 25 | 1247.6 | No |
| 1330005 | Florida Gas Transmission Station 13 | 3394.2 | 610.6 | -22.2 | 59.1 | 63.1 | 339 | 93 | 1262.6 | No |
| 1310008 | Freeport Batch Plant | 3360.3 | 573.1 | -59.7 | 25.2 | 64.8 | 293 | 28 | 1296.0 | No |
| 0630031 | White Construction Company | 3403.5 | 654.2 | 21.4 | 68.4 | 71.7 | 17 | 8 | 1433.4 | No |
| 1310013 | Alabama Electric Cooperative | 3383.5 | 575.1 | -57.7 | 48.4 | 75.3 | 310 | 28 | 1506.2 | No |
| 1310019 | Defuniak Drum Mix Asphalt Plant | 3399.3 | 590.1 | -42.7 | 64.2 | 77.1 | 326 | 35 | 1542.1 | No |
| 0770009 | Timber Energy Resources | 3358.1 | 709.4 | 76.6 | 23.0 | 80.0 | 73 | 140 | 1599.6 | No |
| 0630035 | Anderson Columbia Company, Inc. Plant #2 | 3404.5 | 677.0 | 44.2 | 69.4 | 82.3 | 32 | 6 | 1645.6 | No |
| 7775017 | Defuniak Drum Mix Asphalt Plant | 3400.5 | 579.5 | -53.3 | 65.4 | 84.4 | 321 | 25 | 1687.4 | No |
| 7770049 | Jones Pit Facility | 3417.2 | 657.8 | 25.0 | 82.1 | 85.8 | 17 | 29 | 1716.4 | No |
| 7770021 | #12 Asphalt Plant | 3400.7 | 577.2 | -55.6 | 65.6 | 86.0 | 320 | 64 | 1719.8 | No |
| 0630045 | Springhill Regional Landfill | 3423.1 | 650.5 | 17.7 | 88.0 | 89.7 | 11 | 6 | 1794.9 | No |
| 0630014 | Gulf Power (Scholz Plant) | 3395.8 | 702.4 | 69.6 | 60.7 | 92.4 | 49 | 4,099 | 1847.0 | Yes |
| 0630044 | Apalachee Correctional Institution | 3399.3 | 703.0 | 70.2 | 64.2 | 95.2 | 48 | 3 | 1903.5 | No |
| 0910031 | Eglin Air Force Base | 3369.6 | 542.6 | -90.2 | 34.5 | 96.6 | 291 | 18 | 1931.5 | No |
| 0390029 | Florida Gas Transmission Station 14 | 3377.4 | 719.9 | 87.1 | 42.3 | 96.8 | 64 | 46 | 1936.6 | No |
| 0390004 | Florida State Hospital - Chattahoochee | 3399.2 | 707.6 | 74.8 | 64.1 | 98.5 | 49 | 132 | 1970.2 | No |
| 7770142 | Chadbourne Plant 106 | 3402.2 | 559.1 | -73.7 | 67.1 | 99.7 | 312 | 6 | 1993.1 | No |
| 0390032 | C.W. Roberts Contracting Inc. | 3371.4 | 726.5 | 93.7 | 36.3 | 100.5 | 69 | 12 | 2009.7 | No |
| 0910064 | Hurlburt Field | 3364.7 | 529.7 | -103.1 | 29.6 | 107.3 | 286 | 79 | 2145.4 | No |
| 0390005 | Engelhard Corporation | 3387.5 | 732.6 | 99.8 | 52.4 | 112.7 | 62 | 18 | 2254.4 | No |
| 0910033 | Fleming Lumber Co. | 3402.5 | 534.7 | -98.1 | 67.4 | 119.0 | 304 | 9 | 2380.5 | No |
| 0730003 | City of Tallahassee - Hopkins | 3371.7 | 749.5 | 116.7 | 36.6 | 122.3 | 73 | 5,384 | 2446.7 | Yes ^e |
| 7770014 | Peavy and Son Construction Company | 3395.2 | 742.4 | 109.6 | 60.1 | 125.0 | 61 | 25 | 2499.9 | No |
| 0390009 | Havana Mills | 3394.3 | 747.1 | 114.3 | 59.2 | 128.7 | 63 | 34 | 2574.4 | No |
| 0730065 | National Linen Service | 3368.3 | 759.0 | 126.2 | 33.2 | 130.5 | 75 | 5 | 2609.9 | No |
| 0730009 | Physical Plant | 3368.9 | 760.5 | 127.7 | 33.8 | 132.1 | 75 | 98 | 2641.9 | No |
| 0730062 | Department of Management Services | 3370.2 | 760.9 | 128.1 | 35.1 | 132.8 | 75 | 3 | 2656.4 | No |
| 1290005 | St. Marks Terminal | 3338.4 | 769.3 | 136.5 | 3.3 | 136.5 | 89 | 18 | 2730.8 | No |

Table 4-6. Summary of Competing NO_x Facilities Considered for Inclusion in the AAQS and PSD Class I and Class II Modeling Analyses

| Plant ID | Facility Name | UTM Coordinates | | Relative Location ^a | | | | NO _x | Q | Included in Modeling Analysis ^f |
|----------|--|-----------------|-----------|--------------------------------|--------|---------------|------------------|-----------------------------------|-----------------------------------|--|
| | | North (km) | East (km) | X (km) | Y (km) | Distance (km) | Direction (deg.) | Emissions Rate ^b (TPY) | Emissions Threshold Distance x 20 | |
| 1290001 | City of Tallahassee - Purdom | 3340.0 | 769.5 | 136.7 | 4.9 | 136.8 | 88 | 465 | 2735.7 | Yes ^f |
| 0730034 | Mitchell Brothers Inc. | 3372.1 | 766.2 | 133.4 | 37.0 | 138.4 | 74 | 23 | 2768.7 | No |
| 7770147 | Anderson Columbia Inc, #5 | 3388.9 | 502.0 | -130.8 | 53.8 | 141.4 | 292 | 44 | 2828.9 | No |
| 1130031 | The Quikrete Companies | 3383.5 | 497.1 | -135.7 | 48.4 | 144.1 | 290 | 2 | 2881.5 | No |
| 1130015 | DBA Santa Rosa Asphalt & Materials Inc. | 3384.0 | 493.8 | -139.0 | 48.9 | 147.4 | 289 | 3 | 2947.0 | No |
| 7774806 | Milton Plant | 3385.1 | 493.7 | -139.1 | 50.0 | 147.8 | 290 | 61 | 2956.8 | No |
| 1130037 | Florida Gas Transmission Station 12 | 3419.6 | 510.8 | -122.0 | 84.5 | 148.4 | 305 | 77 | 2968.1 | No |
| 1130032 | McLellan Field | 3427.8 | 515.2 | -117.6 | 92.7 | 149.7 | 308 | 44 | 2994.9 | No |
| 1130003 | Sterling Fibers, Inc. | 3380.2 | 489.2 | -143.6 | 45.1 | 150.5 | 287 | 615 | 3010.3 | No |
| 1130004 | Air Products and Chemicals Inc. | 3383.4 | 487.0 | -145.8 | 48.3 | 153.6 | 288 | 2,944 | 3071.8 | No |
| 1130173 | Cogeneration Plant (Pea Ridge Plant) | 3381.6 | 485.6 | -147.2 | 46.5 | 154.3 | 288 | 50 | 3086.6 | No |
| 0330060 | Coastal Fuels Marketing Inc. | 3363.4 | 479.6 | -153.2 | 28.3 | 155.8 | 280 | 13 | 3115.8 | No |
| 0330067 | Main Street WWTP | 3363.7 | 478.9 | -153.9 | 28.6 | 156.6 | 281 | 72 | 3131.4 | No |
| 0330139 | Transmontaigne Terminating Inc. | 3363.4 | 478.4 | -154.4 | 28.3 | 157.0 | 280 | 6 | 3139.9 | No |
| 0330043 | Reichhold, Inc. | 3364.8 | 478.6 | -154.2 | 29.7 | 157.0 | 281 | 42 | 3140.7 | No |
| 0330041 | Sacred Heart Hospital | 3372.0 | 480.0 | -152.8 | 36.9 | 157.2 | 284 | 35 | 3143.5 | No |
| 0330122 | Hudoco, Inc. | 3375.8 | 480.8 | -152.0 | 40.7 | 157.4 | 285 | 50 | 3147.1 | No |
| 0330114 | Pensacola Christian College Inc. | 3371.0 | 477.8 | -155.0 | 35.9 | 159.1 | 283 | 444 | 3182.7 | No |
| 0330006 | Armstrong World Industries | 3363.5 | 475.9 | -156.9 | 28.4 | 159.4 | 280 | 5 | 3189.0 | No |
| 0330045 | Gulf Power Co. (Crist Plant) | 3381.4 | 478.3 | -154.5 | 46.3 | 161.3 | 287 | 40,807 | 3226.1 | No |
| 0330082 | Naval Air Station Pensacola | 3358.3 | 472.3 | -160.5 | 23.2 | 162.2 | 278 | 23 | 3243.4 | No |
| 0330097 | Navy Public Works Center | 3363.8 | 472.2 | -160.6 | 28.7 | 163.1 | 280 | 55 | 3262.9 | No |
| 0330086 | Naval Hospital | 3362.3 | 471.2 | -161.6 | 27.2 | 163.9 | 280 | 50 | 3277.5 | No |
| 0330040 | Solutia Inc. | 3385.0 | 476.0 | -156.8 | 49.9 | 164.5 | 288 | 2,752 | 3290.7 | No |
| 0330089 | Puritan - Bennet Corporation | 3384.6 | 475.8 | -157.0 | 49.5 | 164.6 | 287 | 3 | 3292.4 | No |
| 7775008 | Group III Asphalt, Inc. | 3375.9 | 469.9 | -162.9 | 40.8 | 167.9 | 284 | 25 | 3358.2 | No |
| 0330248 | Specialty Minerals, Inc. | 3374.6 | 469.6 | -163.2 | 39.5 | 168.0 | 284 | 100 | 3359.0 | No |
| 1130043 | Group III Asphalt, Inc. | 3375.9 | 469.6 | -163.2 | 40.8 | 168.2 | 284 | 4 | 3364.2 | No |
| 0330096 | Navy Public Works Center | 3370.0 | 467.0 | -165.8 | 34.9 | 169.4 | 282 | 84 | 3388.7 | No |
| 0330042 | Pensacola Mill | 3385.8 | 469.0 | -163.8 | 50.7 | 171.5 | 287 | 5,875 | 3429.3 | No |
| 1130026 | Golden Gin & Warehouse | 3426.1 | 484.8 | -148.0 | 91.0 | 173.7 | 302 | 2 | 3474.8 | No |
| 1130005 | St Regis Treating Facility and Jay Gas Plant | 3425.6 | 482.8 | -150.0 | 90.5 | 175.2 | 301 | 75 | 3503.7 | No |
| 7770068 | Sunbelt Resources, Inc. | 3374.1 | 452.0 | -180.8 | 39.0 | 185.0 | 282 | 14 | 3699.0 | No |

^a The SSCC Mill is located at UTM Coordinates: North 3335.1 km
East 632.8 km

^b Sources with emissions less than 1 TPY not considered in screening analysis.

^c Source included in AAQS if (20 * Distance) < Emission Rate up to 100 km away from SSCC Mill.

^d Source included in the air modeling analysis because it is a PSD source.

^e Source included for PSD Class I analysis only, because of its proximity to PSD Class I areas.

^f Distance from SSCC Mill to Arizona Chemical Company obtained from SSCC Mill.

Table 4-7. Summary of Background NO_x Sources Included in the Air Modeling Analysis

| Facility ID Number | Facility | Units | ISC-PRIME ID Name | Stack Parameters | | | | Emission Rate (g/s) | PSD Source? (EXP/CON) | Modeled in | | |
|-----------------------|---------------------------------------|-----------------------------|----------------------|------------------|-----------------|----------------|-------------------|------------------------|--------------------------|------------|----------|---------|
| | | | | Height (m) | Diameter (m) | Temper. (K) | Velocity (m/s) | | | AAQS | Class II | Class I |
| 0050001 | Arizona Chemical Company | Boiler #1 | ARIZCHM1 | 30.5 | 1.22 | 510.9 | 22.75 | 6.62 | | Yes | No | No |
| | | Boiler #2 | ARIZCHM2 | 30.5 | 1.22 | 466.5 | 17.64 | 6.62 | | Yes | No | No |
| 0050014 | Gulf Power | Lansing Smith Units 1 and 2 | GULFPW12 | 60.7 | 5.49 | 441.0 | 31.30 | 258.00 | | Yes | No | No |
| | | Peaking Turbines | GULFPWPK | 10.1 | 4.18 | 922.0 | 36.90 | 47.67 | | Yes | No | No |
| 0050031 | Bay County Energy Systems | Boilers No. 1 and 2 | BAYENRGY | 38.1 | 1.37 | 477.6 | 17.50 | 6.78 | CON | Yes | Yes | Yes |
| 0450005 | Florida Coast Paper | Kiln #1 | | 33.8 | 1.22 | 352.6 | 20.78 | 7.76 | | | | |
| | | Kiln #2 | | 33.8 | 1.22 | 352.6 | 19.85 | 7.76 | | | | |
| | | Kiln #3 | | 33.5 | 1.22 | 352.6 | 18.31 | 7.76 | | | | |
| | | | FCPLKSDT | 30.5 | 2.38 | 367.6 | 2.25 | 23.28 | | Yes | No | No |
| | | Recovery Boiler #5 | | 38.1 | 2.56 | 460.9 | 14.81 | 34.03 | | | | |
| | | Recovery Boiler #6 | | 38.1 | 2.56 | 394.3 | 2.94 | 16.80 | | | | |
| | | Recovery Boiler #7 | | 61.0 | 5.33 | 429.8 | 9.10 | 4.40 | | | | |
| | | | PCPRB567 | 38.1 | 2.56 | 394.3 | 9.10 | 55.23 | | Yes | No | No |
| | | Power Boiler #9 | FCPPB9 | 51.8 | 4.27 | 343.1 | 10.33 | 33.34 | | Yes | No | No |
| 0630014 | Gulf Power Co. (Scholz Plant) | Units 1 & 2 (ESP) | SCH12 | 45.72 | 4.11 | 438.7 | 12.2 | 117.91 | | Yes | No | No |
| 1290001 | City of Tallahassee A.B.Hopkins Plant | Unit No. 5 | TALPUR5 | 38.1 | 3.96 | 447.0 | 7.23 | -0.52 | EXP | No | No | Yes |
| | | Unit No. 6 | TALPUR6 | 38.1 | 3.96 | 447.0 | 7.23 | -1.25 | EXP | No | No | Yes |
| | | Unit No. 7 | TALPUR7 | 54.9 | 2.74 | 422.0 | 14.44 | 11.98 | CON | No | No | Yes |
| | | Gas Turbines | TALPURGT | 11.6 | 3.05 | 744.0 | 25.56 | 0.17 | CON | No | No | Yes |
| | | Auxiliary Boiler | TALPURAUX | 9.2 | 0.61 | 450.0 | 6.47 | 0.0675 | CON | No | No | Yes |
| 0700003 | City of Tallahassee S.O.Purdom Plant | Unit No. 2 | TALHOP2 | 76.2 | 4.27 | 400.0 | 21.00 | 94.50 | CON | No | No | Yes |

Table 4-8. Summary of Competing CO Facilities Considered for Inclusion in the AAQS Modeling Analyses

| Plant ID | Facility Name | UTM Coordinates | | Relative Location ^a | | | | CO Emissions | Q Emissions | Included in Modeling Analysis? ^c |
|----------|--|-----------------|-----------|--------------------------------|--------|------------------|------------------|-------------------------|-------------------------|---|
| | | North (km) | East (km) | X (km) | Y (km) | Distance (km) | Direction (deg.) | Rate ^b (TPY) | Threshold Distance x 20 | |
| 0050001 | Arizona Chemical Company | 3335.4 | 633.1 | 0.08 | 0.07 | 0.1 ^d | 49 | 52 | 2.1 | Yes |
| 0050045 | Citgo Petroleum Corporation | 3335.2 | 630.5 | -2.3 | 0.1 | 2.3 ^d | 273 | 9 | 45.9 | No |
| 0050024 | Tyndall Air Force Base | 3326.8 | 635.6 | 2.8 | -8.3 | 8.8 | 161 | 4 | 175.2 | No |
| 0050008 | Gulf Asphalt Corporation | 3343.7 | 634.9 | 2.1 | 8.6 | 8.9 | 14 | 3 | 177.1 | No |
| 0050014 | Gulf Power (L.S. Plant) | 3349.1 | 625.2 | -7.6 | 14.0 | 15.9 | 332 | 114 | 318.6 | No |
| 0050031 | Bay County Energy Systems Inc. | 3348.9 | 644.0 | 11.2 | 13.8 | 17.8 | 39 | 813 | 355.5 | Yes |
| 7770034 | Drum Mix Asphalt Plant #6 | 3362.8 | 648.8 | 16.0 | 27.7 | 32.0 | 30 | 9 | 639.3 | No |
| 0450002 | Sylvachem Corporation | 3299.6 | 661.9 | 29.1 | -35.5 | 45.9 | 141 | 25 | 917.1 | No |
| 0450005 | Florida Coast Paper Company, L.L.C. | 3299.0 | 662.8 | 30.0 | -36.1 | 46.9 | 140 | 2,563 | 938.8 | Yes |
| 0770007 | North Florida Lumber | 3358.9 | 689.5 | 56.7 | 23.8 | 61.5 | 67 | 265 | 1230.4 | No |
| 1330035 | Trawick Pit | 3397.5 | 633.9 | 1.1 | 62.4 | 62.4 | 1 | 5 | 1247.6 | No |
| 1330005 | Florida Gas Transmission Station 13 | 3394.2 | 610.6 | -22.2 | 59.1 | 63.1 | 339 | 97 | 1262.6 | No |
| 1310008 | Freeport Batch Plant | 3360.3 | 573.1 | -59.7 | 25.2 | 64.8 | 293 | 11 | 1296.0 | No |
| 0630031 | White Construction Company | 3403.5 | 654.2 | 21.4 | 68.4 | 71.7 | 17 | 8 | 1433.4 | No |
| 1310013 | Alabama Electric Cooperative | 3383.5 | 575.1 | -57.7 | 48.4 | 75.3 | 310 | 2 | 1506.2 | No |
| 0770009 | Timber Energy Resources | 3358.1 | 709.4 | 76.6 | 23.0 | 80.0 | 73 | 1,218 | 1599.6 | No |
| 0630035 | Anderson Columbia Company, Inc. Plant #2 | 3404.5 | 677.0 | 44.2 | 69.4 | 82.3 | 32 | 6 | 1645.6 | No |
| 7775017 | Defuniak Drum Mix Asphalt Plant | 3400.5 | 579.5 | -53.3 | 65.4 | 84.4 | 321 | 21 | 1687.4 | No |
| 7770049 | Jones Pit Facility | 3417.2 | 657.8 | 25.0 | 82.1 | 85.8 | 17 | 6 | 1716.4 | No |
| 7770021 | #12 Asphalt Plant | 3400.7 | 577.2 | -55.6 | 65.6 | 86.0 | 320 | 31 | 1719.8 | No |
| 0630045 | Springhill Regional Landfill | 3423.1 | 650.5 | 17.7 | 88.0 | 89.7 | 11 | 67 | 1794.9 | No |
| 0630014 | Gulf Power (Scholz Plant) | 3395.8 | 702.4 | 69.6 | 60.7 | 92.4 | 49 | 26 | 1847.0 | No |
| 0910031 | Eglin Air Force Base | 3369.6 | 542.6 | -90.2 | 34.5 | 96.6 | 291 | 5 | 1931.5 | No |
| 0390029 | Florida Gas Transmission Station 14 | 3377.4 | 719.9 | 87.1 | 42.3 | 96.8 | 64 | 49 | 1936.6 | No |
| 0390004 | Florida State Hospital - Chattahoochee | 3399.2 | 707.6 | 74.8 | 64.1 | 98.5 | 49 | 71 | 1970.2 | No |
| 7770142 | Chadbourn Plant 106 | 3402.2 | 559.1 | -73.7 | 67.1 | 99.7 | 312 | 7 | 1993.1 | No |
| 0390032 | C.W. Roberts Contracting Inc. | 3371.4 | 726.5 | 93.7 | 36.3 | 100.5 | 69 | 12 | 2009.7 | No |
| 0910033 | Fleming Lumber Co. | 3402.5 | 534.7 | -98.1 | 67.4 | 119.0 | 304 | 85 | 2380.5 | No |
| 0730003 | City of Tallahassee - Hopkins | 3371.7 | 749.5 | 116.7 | 36.6 | 122.3 | 73 | 170 | 2446.7 | No |
| 7770014 | Peavy and Son Construction Company | 3395.2 | 742.4 | 109.6 | 60.1 | 125.0 | 61 | 27 | 2499.9 | No |
| 0390009 | Havana Mills | 3394.3 | 747.1 | 114.3 | 59.2 | 128.7 | 63 | 90 | 2574.4 | No |
| 0730065 | National Linen Service | 3368.3 | 759.0 | 126.2 | 33.2 | 130.5 | 75 | 1 | 2609.9 | No |
| 0730009 | Physical Plant | 3368.9 | 760.5 | 127.7 | 33.8 | 132.1 | 75 | 67 | 2641.9 | No |
| 0730062 | Department of Management Services | 3370.2 | 760.9 | 128.1 | 35.1 | 132.8 | 75 | 4 | 2656.4 | No |
| 1290005 | St. Marks Terminal | 3338.4 | 769.3 | 136.5 | 3.3 | 136.5 | 89 | 2 | 2730.8 | No |
| 1290001 | City of Tallahassee - Purdom | 3340.0 | 769.5 | 136.7 | 4.9 | 136.8 | 88 | 112 | 2735.7 | No |
| 0730034 | Mitchell Brothers Inc. | 3372.1 | 766.2 | 133.4 | 37.0 | 138.4 | 74 | 15 | 2768.7 | No |

Table 4-8. Summary of Competing CO Facilities Considered for Inclusion in the AAQS Modeling Analyses

| Plant ID | Facility Name | UTM Coordinates | | Relative Location ^a | | | | CO Emissions Rate ^b | Q Emissions Threshold | Included in Modeling Analysis? ^c |
|----------|---|-----------------|-----------|--------------------------------|--------|---------------|------------------|--------------------------------|-----------------------|---|
| | | North (km) | East (km) | X (km) | Y (km) | Distance (km) | Direction (deg.) | (TPY) | Distance x 20 | |
| 7770147 | Anderson Columbia Inc, #5 | 3388.9 | 502.0 | -130.8 | 53.8 | 141.4 | 292 | 4 | 2828.9 | No |
| 1130031 | The Quikrete Companies | 3383.5 | 497.1 | -135.7 | 48.4 | 144.1 | 290 | 20 | 2881.5 | No |
| 1130015 | DBA Santa Rosa Asphalt & Materials Inc. | 3384.0 | 493.8 | -139.0 | 48.9 | 147.4 | 289 | 3 | 2947.0 | No |
| 7774806 | Milton Plant | 3385.1 | 493.7 | -139.1 | 50.0 | 147.8 | 290 | 28 | 2956.8 | No |
| 1130037 | Florida Gas Transmission Station 12 | 3419.6 | 510.8 | -122.0 | 84.5 | 148.4 | 305 | 97 | 2968.1 | No |
| 1130032 | McLellan Field | 3427.8 | 515.2 | -117.6 | 92.7 | 149.7 | 308 | 22 | 2994.9 | No |
| 1130004 | Air Products and Chemicals Inc. | 3383.4 | 487.0 | -145.8 | 48.3 | 153.6 | 288 | 556 | 3071.8 | No |
| 1130173 | Cogeneration Plant (Pea Ridge Plant) | 3381.6 | 485.6 | -147.2 | 46.5 | 154.3 | 288 | 18 | 3086.6 | No |
| 0330060 | Coastal Fuels Marketing Inc. | 3363.4 | 479.6 | -153.2 | 28.3 | 155.8 | 280 | 3 | 3115.8 | No |
| 0330139 | Transmontaigne Terminating Inc. | 3363.4 | 478.4 | -154.4 | 28.3 | 157.0 | 280 | 15 | 3139.9 | No |
| 0330041 | Sacred Heart Hospital | 3372.0 | 480.0 | -152.8 | 36.9 | 157.2 | 284 | 9 | 3143.5 | No |
| 0330114 | Pensacola Christian College Inc. | 3371.0 | 477.8 | -155.0 | 35.9 | 159.1 | 283 | 443 | 3182.7 | No |
| 0330045 | Gulf Power Co. (Crist Plant) | 3381.4 | 478.3 | -154.5 | 46.3 | 161.3 | 287 | 1,374 | 3226.1 | No |
| 0330091 | Southeastern Crematory | 3364.2 | 473.5 | -159.3 | 29.1 | 161.9 | 280 | 1 | 3238.7 | No |
| 0330082 | Naval Air Station Pensacola | 3358.3 | 472.3 | -160.5 | 23.2 | 162.2 | 278 | 5 | 3243.4 | No |
| 0330097 | Navy Public Works Center | 3363.8 | 472.2 | -160.6 | 28.7 | 163.1 | 280 | 14 | 3262.9 | No |
| 0330086 | Naval Hospital | 3362.3 | 471.2 | -161.6 | 27.2 | 163.9 | 280 | 12 | 3277.5 | No |
| 0330040 | Solutia Inc. | 3385.0 | 476.0 | -156.8 | 49.9 | 164.5 | 288 | 7,136 | 3290.7 | No |
| 0330089 | Puritan - Bennet Corporation | 3384.6 | 475.8 | -157.0 | 49.5 | 164.6 | 287 | 49 | 3292.4 | No |
| 7775008 | Group III Asphalt, Inc. | 3375.9 | 469.9 | -162.9 | 40.8 | 167.9 | 284 | 12 | 3358.2 | No |
| 0330248 | Specialty Minerals, Inc. | 3374.6 | 469.6 | -163.2 | 39.5 | 168.0 | 284 | 14 | 3359.0 | No |
| 1130043 | Group III Asphalt, Inc. | 3375.9 | 469.6 | -163.2 | 40.8 | 168.2 | 284 | 4 | 3364.2 | No |
| 0330096 | Navy Public Works Center | 3370.0 | 467.0 | -165.8 | 34.9 | 169.4 | 282 | 15 | 3388.7 | No |
| 0330042 | Pensacola Mill | 3385.8 | 469.0 | -163.8 | 50.7 | 171.5 | 287 | 1,089 | 3429.3 | No |
| 7770068 | Sunbelt Resources Inc. | 3374.1 | 452.0 | -180.8 | 39.0 | 185.0 | 282 | 11 | 3699.0 | No |

^a The SSCC Mill is located at UTM Coordinates:
North 3335.1 km
East 632.8 km

^b Sources with emissions less than 1 TPY not considered in screening analysis.

^c Source included in AAQS if $(20 * \text{Distance}) < \text{Emission Rate}$ up to 100 km away from SSCC Mill.

^d Distance from SSCC Mill to Arizona Chemical Company obtained from SSCC Mill.

Table 4-9. Summary of Background CO Sources Included in the Air Modeling Analysis

| Facility ID Number | Facility | Units | ISC-PRIME ID Name | Stack Parameters | | | | Emission Rate (g/s) |
|-----------------------|---------------------------|---------------------|----------------------|------------------|-----------------|----------------|-------------------|------------------------|
| | | | | Height (m) | Diameter (m) | Temper. (K) | Velocity (m/s) | |
| 0050001 | Arizona Chemical Company | Boiler #1 | ARIZCHM1 | 30.5 | 1.22 | 510.9 | 22.75 | 0.75 |
| | | Boiler #2 | ARIZCHM2 | 30.5 | 1.22 | 466.5 | 17.64 | 0.75 |
| 0050031 | Bay County Energy Systems | Boilers No. 1 and 2 | BAYENRGY | 38.1 | 1.37 | 477.6 | 17.50 | 23.38 |
| 0450005 | Florida Coast Paper | Kiln #1 | | 33.8 | 1.22 | 352.6 | 20.78 | 0.55 |
| | | Kiln #2 | | 33.8 | 1.22 | 352.6 | 19.85 | 0.55 |
| | | Kiln #3 | | 33.5 | 1.22 | 352.6 | 18.31 | 0.55 |
| | | | FCPLKSDT | 30.5 | 2.38 | 367.6 | 2.25 | 1.65 |
| | | Recovery Boiler #5 | | 38.1 | 2.56 | 460.9 | 14.81 | 2.13 |
| | | Recovery Boiler #6 | | 38.1 | 2.56 | 394.3 | 2.94 | 34.03 |
| | | | PCPRB567 | 38.1 | 2.56 | 394.3 | 9.10 | 36.16 |
| | Power Boiler #9 | FCPPB9 | 51.8 | 4.27 | 343.1 | 10.33 | 35.91 | |

Table 4-10. SCC Mill Building Structures Considered in the Air Modeling Analysis

| Structure | Height | | Length | | Width | |
|---------------------------------------|--------|------|--------|-------|-------|-------|
| | ft | m | ft | m | ft | m |
| Recovery Boilers Building Upper Tiers | 239.0 | 72.8 | 34.5 | 10.5 | 18.0 | 5.5 |
| Recovery Boilers Building Lower Level | 198.0 | 60.4 | 157.5 | 48.0 | 126.0 | 38.4 |
| Bleach Plant | 71.0 | 21.6 | 123.0 | 37.5 | 78.0 | 23.8 |
| Engineering & Maintenance | 35.0 | 10.7 | 315.0 | 96.0 | 55.5 | 16.9 |
| Offices/Storeroom | 35.0 | 10.7 | 361.5 | 110.2 | 88.5 | 27.0 |
| Cooling Towers | 30.0 | 9.1 | 199.5 | 60.8 | 90.0 | 27.4 |
| Pulp Mill | 83.0 | 25.3 | 295.5 | 90.1 | 193.5 | 59.0 |
| Paper Mill | 40.0 | 12.2 | 1284.0 | 391.4 | 352.5 | 107.4 |
| Bark Boilers Building | 111.0 | 33.8 | 97.5 | 29.7 | 100.5 | 30.6 |
| Power Boiler 6 Building ^a | 150.0 | 45.7 | 34.5 | 10.5 | 52.5 | 16.0 |

^a Existed during baseline (1974 and 1988) only.

Table 4-11. Comparison of Stack, Operating, and Building Data for Plant Smith to Emission Units Used in the Evaluation of the ISC-PRIME Model

| Parameters | Panama City Mill | | | | | | Emission Units in ISC-PRIME Evaluation | |
|---|---|--|--------------------------------|--------------------------------|--------------|----------------|---|---|
| | No. 1/No. 2 Recovery Boilers | No. 1/No. 2 Smelt Dissolving Tanks | No. 3 Combination Boiler | No. 4 Combination Boiler | Lime Kiln | Lime Slaker | Bowline Point | Lee Power Plant |
| <u>Stack data</u> | | | | | | | | |
| Height (m) | 71.0 | 71.0 | 64.9 | 64.9 | 18.6 | 17.1 | 86.9 | 64.8 |
| Diameter (m) | 1.97 | 1.83 | 2.38 | 2.38 | 2.44 | 0.88 | 5.7 | 2.5 |
| <u>Operating data</u> | | | | | | | | |
| Temperature (K) | 414-428 | 348 | 338 | 335 | 348 | 366 | 370 to 400 | 440 |
| Velocity (m/s) | 28.6 | 5.2-4.6 | 23.5 | 27.32 | 11.84 | 13.1 | 10 to 30 | 17 |
| <u>Influencing Building Data</u> | | | | | | | | |
| Height (m) | 60.4 | 60.4 | 60.4 | 60.4 | 60.4 | 60.4 | 65.2 | 42.6 |
| Length (m) | 48.0 | 48.0 | 48.0 | 48.0 | 48.0 | 48.0 | | |
| Width (m) | 38.4 | 38.4 | 38.4 | 38.4 | 38.4 | 38.4 | | |
| Diagonal (m) | 59.3 | 59.3 | 59.3 | 59.3 | 59.3 | 59.3 | | |
| Lessor dimension (Lb) (m) ^a | 59.3 | 59.3 | 59.3 | 59.3 | 59.3 | 59.3 | 65.2 | 42.6 |
| <u>Ratio</u> | | | | | | | | |
| Stack height/ Lessor building dimension | 1.20 | 1.20 | 1.09 | 1.09 | 0.31 | 0.29 | 1.33 | 1.52 |
| <u>Distance of Measurements/Predictions</u> | | | | | | | | |
| Method | Predictions-Maximum Concentrations with ISC-PRIME model ^b | | | | | | Measurements/ Predictions (4 sites) | Measurements/ Predictions (6 sites) |
| Distance from Unit (m) | 500 | 500 | 500 | 500 | 500 | 500 | 251 to 848 | 150 to 900 |
| Ratio-Distance/Lessor Dimension | 8.4 | 8.4 | 8.4 | 8.4 | 8.4 | 8.4 | 3.8 to 13.0 | 3.5 to 21.1 |

^a Based on evaluation used in determining a Good Engineering Practice (GEP) stack height.^b Based on distance to maximum 24-hr SO₂ impacts due to SCC mill.

Table 4-12. Property Boundary Receptors Used in the Air Modeling Analysis

| Receptor | Distance X (m) | Distance Y (m) | Receptor | Distance X (m) | Distance Y (m) |
|----------|-------------------|-------------------|----------|-------------------|-------------------|
| 1 | -224.3 | 382.8 | 35 | -454.2 | -603.4 |
| 2 | -124.3 | 382.8 | 36 | -487.7 | -622.4 |
| 3 | -76.8 | 330.4 | 37 | -487.7 | -522.4 |
| 4 | -33 | 274.1 | 38 | -559.6 | -534.5 |
| 5 | 48.4 | 254.6 | 39 | -643.6 | -588.9 |
| 6 | 53.1 | 154.7 | 40 | -727.5 | -643.2 |
| 7 | 15.4 | 71.3 | 41 | -814.1 | -688.4 |
| 8 | 60.6 | 4.4 | 42 | -897.5 | -743.7 |
| 9 | 121.5 | 26.7 | 43 | -990 | -775.9 |
| 10 | 159.5 | 39.9 | 44 | -1084.8 | -754.8 |
| 11 | 171.5 | -34.4 | 45 | -1164 | -695.1 |
| 12 | 207 | -6.8 | 46 | -1238.6 | -629.5 |
| 13 | 266.1 | 43.6 | 47 | -1309.1 | -558.6 |
| 14 | 315.3 | 116.5 | 48 | -1379.6 | -487.7 |
| 15 | 414 | 120.7 | 49 | -1328.7 | -450.5 |
| 16 | 476.2 | 82.2 | 50 | -1234.1 | -420.9 |
| 17 | 478 | -17.8 | 51 | -1151.2 | -365.3 |
| 18 | 479.9 | -117.8 | 52 | -1061.6 | -320.8 |
| 19 | 481.7 | -217.8 | 53 | -972 | -276.4 |
| 20 | 483.6 | -317.7 | 54 | -887.2 | -248.9 |
| 21 | 485.4 | -417.7 | 55 | -820.8 | -320.5 |
| 22 | 487.3 | -517.7 | 56 | -721.8 | -328 |
| 23 | 489.1 | -617.7 | 57 | -634.7 | -283 |
| 24 | 478.9 | -697.4 | 58 | -538.8 | -259.6 |
| 25 | 390.4 | -653.5 | 59 | -460.6 | -236.6 |
| 26 | 291.3 | -664.7 | 60 | -438.9 | -149.3 |
| 27 | 192.8 | -681.6 | 61 | -423.7 | -148.8 |
| 28 | 93.6 | -691.2 | 62 | -335.9 | -158.5 |
| 29 | -6.4 | -689.4 | 63 | -277.2 | -89.6 |
| 30 | -103.8 | -670.3 | 64 | -234.2 | -0.4 |
| 31 | -200.1 | -643.4 | 65 | -239.6 | 93 |
| 32 | -288.4 | -599.6 | 66 | -179 | 172.5 |
| 33 | -363.6 | -537.7 | 67 | -188 | 263.9 |
| 34 | -454.2 | -503.4 | 68 | -223.1 | 356.5 |

Note: Distances are relative to the air modeling origin location, which is the easternmost corner of the Combination boilers building.

Table 4-13. Summary of Receptors Used for the PSD Class I Modeling Analyses

| Receptor Number | UTM Coordinate (m) | | Receptor Number | UTM Coordinate (m) | | Receptor Number | UTM Coordinate (m) | |
|----------------------|--------------------|----------|--------------------|--------------------|------------|-----------------------------------|--------------------|-----------|
| | Easting | Northing | | Easting | Northing | | Easting | Northing |
| St. Marks NWR | | | 50 | 771000 | 3332000 | 100 | 784000 | 3336183 |
| 1 | 769660 | 3334380 | 51 | 773000 | 3330500 | 101 | 783000 | 3336171 |
| 2 | 770000 | 3333480 | 52 | 774000 | 3330500 | 102 | 791646 | 3336585 |
| 3 | 770420 | 3332920 | 53 | 771000 | 3336000 | 103 | 791439 | 3338244 |
| 4 | 771060 | 3332350 | 54 | 773000 | 3336000 | 104 | 789431 | 3338305 |
| 5 | 771850 | 3332110 | 55 | 774000 | 3336000 | 105 | 791300 | 3332259.3 |
| 6 | 772100 | 3332710 | 56 | 775000 | 3335000 | 106 | 791300 | 3331468.6 |
| 7 | 772380 | 3332160 | 57 | 775000 | 3334000 | 107 | 790443 | 3338299.2 |
| 8 | 772230 | 3331440 | 58 | 775000 | 3333000 | 108 | 791257.6 | 3335786.3 |
| 9 | 771570 | 3331050 | 59 | 776000 | 3333000 | St. Marks NWR (Thoms Isl.) | | |
| 10 | 771450 | 3330530 | 60 | 776000 | 3331000 | 109 | 744700 | 3322400 |
| 11 | 771700 | 3330220 | 61 | 778000 | 3333500 | 110 | 745400 | 3321399.9 |
| 12 | 772420 | 3329810 | 62 | 779000 | 3334000 | 111 | 746500 | 3321399.9 |
| 13 | 773350 | 3329870 | 63 | 789000 | 3333000 | 112 | 747100 | 3320500 |
| 14 | 774000 | 3330230 | 64 | 794368 | 3328454.5 | 113 | 746400 | 3319899.9 |
| 15 | 774270 | 3331020 | 65 | 778372 | 3332268.5 | 114 | 746200 | 3318800 |
| 16 | 774100 | 3330040 | 66 | 778882.5 | 3332190.7 | 115 | 745600 | 3318000 |
| 17 | 774740 | 3330480 | 67 | 779661.2 | 3332675.2 | 116 | 745200 | 3319200 |
| 18 | 775370 | 3330910 | 68 | 780388.1 | 3332580.1 | 117 | 745200 | 3320399.9 |
| 19 | 776140 | 3331240 | 69 | 780742.8 | 3332363.7 | 118 | 744100 | 3321500 |
| 20 | 776220 | 3331880 | 70 | 781219.2 | 3332424.5 | 119 | 744700 | 3321000 |
| 21 | 776490 | 3332400 | 71 | 781868.1 | 3332952.4 | 120 | 744700 | 3321700 |
| 22 | 776440 | 3333010 | 72 | 782335.4 | 3332987 | 121 | 745400 | 3321000 |
| 23 | 777370 | 3332250 | 73 | 782984.3 | 3333471.6 | 122 | 745400 | 3322000 |
| 24 | 770000 | 3338000 | 74 | 783192 | 3333359.1 | 123 | 746000 | 3319500 |
| 25 | 770000 | 3336000 | 75 | 783936.1 | 3333488.9 | 124 | 746000 | 3320500 |
| 26 | 772000 | 3336000 | 76 | 784585 | 3333627.3 | 125 | 746000 | 3321200 |
| 27 | 772000 | 3333000 | 77 | 785173.4 | 3333203.3 | Bradwell Bay NWR | | |
| 28 | 772000 | 3331000 | 78 | 785597 | 3333748.3 | 1 | 728000 | 3343000 |
| 29 | 775000 | 3333000 | 79 | 786159.4 | 3333644.4 | 2 | 728000 | 3341000 |
| 30 | 775000 | 3331000 | 80 | 787000 | 3333750 | 3 | 731000 | 3343000 |
| 31 | 777000 | 3333000 | 81 | 788000 | 3333218.75 | 4 | 731000 | 3341000 |
| 32 | 770200 | 3339000 | 82 | 782000 | 3335390.24 | 5 | 731000 | 3338000 |
| 33 | 770200 | 3338000 | 83 | 781000 | 3335268.29 | 6 | 733000 | 3343000 |
| 34 | 770200 | 3337200 | 84 | 780000 | 3333939 | 7 | 733000 | 3341000 |
| 35 | 774400 | 3336100 | 85 | 789500 | 3331512 | 8 | 733000 | 3338000 |
| 36 | 770400 | 3333000 | 86 | 791098 | 3330375 | 9 | 733000 | 3336000 |
| 37 | 768900 | 3337600 | 87 | 790098 | 3330847 | 10 | 733000 | 3333000 |
| 38 | 769100 | 3336800 | 88 | 794098 | 3329274 | 11 | 736000 | 3346000 |
| 39 | 768800 | 3338400 | 89 | 793098 | 3329183 | 12 | 736000 | 3343000 |
| 40 | 769300 | 3338800 | 90 | 792098 | 3329606 | 13 | 736000 | 3341000 |
| 41 | 769800 | 3339100 | 91 | 791244 | 3330549 | 14 | 736000 | 3338000 |
| 42 | 768755 | 3338411 | 92 | 791305 | 3333366 | 15 | 736000 | 3336000 |
| 43 | 769098 | 3338713 | 93 | 790915 | 3335000 | 16 | 738000 | 3343000 |
| 44 | 769399 | 3338902 | 94 | 791342 | 3337159 | 17 | 738000 | 3341000 |
| 45 | 769717 | 3339105 | 95 | 789000 | 3337914 | 18 | 741000 | 3341000 |
| 46 | 770257 | 3339219 | 96 | 788000 | 3337182 | | | |
| 47 | 769200 | 3336000 | 97 | 787000 | 3336476 | | | |
| 48 | 769700 | 3335000 | 98 | 786000 | 3336415 | | | |
| 49 | 770000 | 3334000 | 99 | 785000 | 3336244 | | | |

Table 5-1. Maximum Predicted SO₂ Impacts Due to All Future Sources,
AAQS Screening Analysis

| Averaging Time | Concentration ^a (ug/m ³) | Receptor Location ^b | | Time Period (YYMMDDHH) |
|--|--|--------------------------------|-----------------|---------------------------|
| | | Direction (degree) | Distance (m) | |
| Both Combination Boilers Operating on Fuel Oil and/or Coal | | | | |
| Annual | | | | |
| | 27.9 | 172.3 | 697.5 | 86123124 |
| | 29.0 | 172.3 | 697.5 | 87123124 |
| | 23.8 | 300 | 800 | 88123124 |
| | 20.1 | 310 | 800 | 89123124 |
| | 31.0 | 300 | 800 | 90123124 |
| HSH 24-Hour | | | | |
| | 177 | 160 | 800 | 86030124 |
| | 236 | 290 | 500 | 87120724 |
| | 156 | 156.3 | 725.7 | 88100424 |
| | 168 | 149.1 | 761.2 | 89022324 |
| | 199 | 300 | 800 | 90060124 |
| HSH 3-Hour | | | | |
| | 967 | 270 | 800 | 86021606 |
| | 1,139 | 300 | 500 | 87031715 |
| | 1,010 | 260 | 800 | 88092806 |
| | 969 | 270 | 800 | 89092715 |
| | 1,079 | 300 | 800 | 90091312 |
| Only Combination Boiler No. 3 Operating on Fuel Oil and/or Coal | | | | |
| Annual | | | | |
| | 28.9 | 172.3 | 697.5 | 86123124 |
| | 30.0 | 172.3 | 697.5 | 87123124 |
| | 24.0 | 300 | 800 | 88123124 |
| | 20.2 | 310 | 800 | 89123124 |
| | 31.2 | 300 | 800 | 90123124 |
| HSH 24-Hour | | | | |
| | 179 | 160 | 800 | 86030124 |
| | 237 | 290 | 500 | 87120724 |
| | 162 | 156.3 | 725.7 | 88100424 |
| | 174 | 180.5 | 689.4 | 89122224 |
| | 198 | 300 | 800 | 90060124 |
| Only Combination Boiler No. 4 Operating on Fuel Oil and/or Coal | | | | |
| Annual | | | | |
| | 27.2 | 172.3 | 697.5 | 86123124 |
| | 28.5 | 170 | 800 | 87123124 |
| | 24.0 | 300 | 800 | 88123124 |
| | 20.2 | 310 | 800 | 89123124 |
| | 31.3 | 300 | 800 | 90123124 |
| HSH 24-Hour | | | | |
| | 177 | 160 | 800 | 86030124 |
| | 239 | 290 | 500 | 87120724 |
| | 156 | 300 | 800 | 88040124 |
| | 168 | 149.1 | 761.2 | 89022324 |
| | 205 | 300 | 800 | 90060124 |

^a Based on 5-year meteorological record, Pensacola/Apalachicola, 1986-87, and Apalachicola/Apalachicola, 1988-90

^b Relative to Modeling Analysis Origin Location

Note:

YYMMDDHH = Year, Month, Day, Hour Ending

HSH = Highest, Second-Highest Concentration in 5 years.

Table 5-2. Maximum Predicted NO₂, PM₁₀, and CO Pollutant Impacts Due to All Future Sources, AAQS Screening Analyses

| Averaging Time | Concentration ^a ($\mu\text{g}/\text{m}^3$) | Receptor Location ^b | | Time Period (YYMMDDHH) |
|------------------------|--|--------------------------------|-----------------|---------------------------|
| | | Direction (degree) | Distance (m) | |
| <u>NO₂</u> | | | | |
| Annual | | | | |
| | 15.2 | 172.3 | 697.5 | 86123124 |
| | 15.6 | 170.0 | 800.0 | 87123124 |
| | 13.9 | 300.0 | 800.0 | 88123124 |
| | 11.4 | 310.0 | 800.0 | 89123124 |
| | 18.5 | 300.0 | 800.0 | 90123124 |
| <u>PM₁₀</u> | | | | |
| Annual | | | | |
| | 18.3 | 12.2 | 72.9 | 86123124 |
| H6H 24-Hour | | | | |
| | 113.0 | 12.2 | 72.9 | 87061924 |
| <u>CO</u> | | | | |
| HSH 8-Hour | | | | |
| | 2,477 | 12.2 | 72.9 | 86051816 |
| | 2,706 | 280.0 | 500.0 | 87120808 |
| | 1,788 | 300.0 | 500.0 | 88040116 |
| | 1,759 | 180.0 | 800.0 | 89012308 |
| | 1,914 | 270.0 | 500.0 | 90042008 |
| HSH 1-Hour | | | | |
| | 4,143 | 350.0 | 800.0 | 86100401 |
| | 4,136 | 340.0 | 800.0 | 87091519 |
| | 4,183 | 340.0 | 800.0 | 88062223 |
| | 4,381 | 340.0 | 800.0 | 89060502 |
| | 4,168 | 350.0 | 800.0 | 90091020 |

^a Based on 5-year meteorological record, Pensacola/Apalachicola, 1986-87, and Apalachicola /Apalachicola, 1988-90

^b Relative to Modeling Analysis Origin Location

Notes

YYMMDDHH = Year, Month, Day, Hour Ending

HSH = Highest, 2nd-Highest Concentration in 5 years.

H6H = Highest, 6th-Highest Concentration in 5 years.

Table 5-3. Maximum Predicted Pollutant Impacts Due to All Future Sources for Comparison to AAQS, Refined Analysis

| Averaging Time | Concentration ($\mu\text{g}/\text{m}^3$) | | | Receptor Location ^b | | Time Period (YYMMDDHH) | Florida AAQS ($\mu\text{g}/\text{m}^3$) |
|---|--|---------|------------|--------------------------------|--------------|------------------------|---|
| | Total | Modeled | Background | Direction (degree) | Distance (m) | | |
| <u>SO₂</u> | | | | | | | |
| <u>Both Combination Boilers Operating on Fuel Oil and/or Coal</u> | | | | | | | |
| Annual | 43.8 | 31.8 | 12 | 304 | 900 | 90123124 | 60 |
| HSH 24-Hour | 256 | 236 | 20 | 290 | 500 | 87120724 | 260 |
| HSH 3-Hour | 1,286 | 1,207 | 79 | 298 | 600 | 87011724 | 1300 |
| <u>Only Combination Boiler No. 3 Operating on Fuel Oil and/or Coal</u> | | | | | | | |
| Annual | 44.1 | 32.1 | 12 | 304 | 800 | 90123124 | 60 |
| HSH 24-Hour | 257 | 237 | 20 | 290 | 500 | 87120724 | 260 |
| <u>Only Combination Boiler No. 4 Operating on Fuel Oil and/or Coal</u> | | | | | | | |
| Annual | 44.2 | 32.2 | 12 | 304 | 900 | 90123124 | 60 |
| HSH 24-Hour | 259 | 239 | 20 | 290 | 500 | 87120724 | 260 |
| <u>NO_x</u> | | | | | | | |
| Annual | 37.9 | 18.9 | 19 | 304 | 800 | 90123124 | 100 |
| <u>PM₁₀</u> | | | | | | | |
| Annual | 43.3 | 18.3 | 25 | 12.2 | 72.9 | 86123124 | 50 |
| H6H 24-Hour | 148 | 113 | 35 | 12.2 | 72.9 | 87061924 | 150 |
| <u>CO</u> | | | | | | | |
| HSH 8-Hour | 7,327 | 2,994 | 4,333 | 278 | 400 | 87120808 | 10,000 |
| HSH 1-Hour | 10,961 | 4,406 | 6,555 | 340 | 900 | 89060502 | 40,000 |

^a Based on 5-year meteorological record, Pensacola/Apalachicola, 1986-87, and Apalachicola /Apalachicola, 1988-90

^b Relative to Modeling Analysis Origin Location

Notes

YYMMDDHH = Year, Month, Day, Hour Ending
HSH = Highest, 2nd-Highest Concentration in 5 years.
H6H = Highest, 6th-Highest Concentration in 5 years.

Table 5-4. Maximum Predicted SO₂ PSD Class II Increment - Screening Analysis

| Averaging Time | Concentration ^a (ug/m ³) | Receptor Location ^b | | Time Period (YYMMDDHH) |
|--|--|--------------------------------|-----------------|---------------------------|
| | | Direction (degree) | Distance (m) | |
| <u>Both Combination Boilers Operating on Fuel Oil and/or Coal</u> | | | | |
| Annual | <0 | NA | NA | 86123124 |
| | <0 | NA | NA | 87123124 |
| | <0 | NA | NA | 88123124 |
| | <0 | NA | NA | 89123124 |
| | <0 | NA | NA | 90123124 |
| HSH 24-Hour | 6.8 | 270 | 2500 | 86020324 |
| | 6.0 | 210 | 1500 | 87092224 |
| | 12.4 | 300 | 1500 | 88020324 |
| | 6.4 | 350 | 1100 | 89070124 |
| | 4.1 | 260 | 3000 | 90011824 |
| HSH 3-Hour | 351 | 320 | 800 | 86102421 |
| | 439 | 320 | 800 | 87050915 |
| | 393 | 310 | 800 | 88040118 |
| | 383 | 310 | 800 | 89053115 |
| | 400 | 300 | 800 | 90060109 |
| <u>Only Combination Boiler No. 3 Operating on Fuel Oil and/or Coal</u> | | | | |
| Annual | <0 | NA | NA | 86123124 |
| | <0 | NA | NA | 87123124 |
| | <0 | NA | NA | 88123124 |
| | <0 | NA | NA | 89123124 |
| | <0 | NA | NA | 90123124 |
| HSH 24-Hour | 6.0 | 270 | 2500 | 86062224 |
| | 5.9 | 260 | 800 | 87092824 |
| | 11.8 | 300 | 1500 | 88020324 |
| | 6.4 | 360 | 800 | 89042024 |
| | 7.0 | 260 | 1100 | 90121724 |
| <u>Only Combination Boiler No. 4 Operating on Fuel Oil and/or Coal</u> | | | | |
| Annual | <0 | NA | NA | 86123124 |
| | <0 | NA | NA | 87123124 |
| | <0 | NA | NA | 88123124 |
| | <0 | NA | NA | 89123124 |
| | <0 | NA | NA | 90123124 |
| HSH 24-Hour | 8.5 | 310 | 800 | 86082224 |
| | 7.0 | 210 | 1500 | 87092224 |
| | 13.7 | 300 | 1500 | 88020324 |
| | 7.6 | 350 | 1100 | 89070124 |
| | 5.4 | 260 | 800 | 90062924 |

^a Based on 5-year meteorological record, Pensacola/Apalachicola, 1986-87, and Apalachicola/Apalachicola, 1988-90

^b Relative to Modeling Analysis Origin Location

Notes:

YYMMDDHH = Year, Month, Day, Hour Ending

HSH = Highest, Second-Highest Concentration in 5 years.

Table 5-5. Maximum Predicted PM₁₀ and NO₂ PSD Class II Increment, Screening Analysis

| Averaging Time | Concentration ^a ($\mu\text{g}/\text{m}^3$) | Receptor Location ^b | | Time Period (YYMMDDHH) |
|------------------------|--|--------------------------------|-----------------|---------------------------|
| | | Direction (degree) | Distance (m) | |
| <u>PM₁₀</u> | | | | |
| Annual | | | | |
| | 2.2 | 197.3 | 673.8 | 86123124 |
| | 2.0 | 197.3 | 673.8 | 87123124 |
| | 2.6 | 205.7 | 665.4 | 88123124 |
| | 2.9 | 205.7 | 665.4 | 89123124 |
| | 2.7 | 300.0 | 800.0 | 90123124 |
| HSH 24-Hour | | | | |
| | 15.9 | 205.7 | 665.4 | 86120124 |
| | 16.3 | 190.0 | 800.0 | 87090124 |
| | 19.7 | 197.3 | 673.8 | 88010924 |
| | 21.5 | 205.7 | 665.4 | 89111824 |
| | 17.0 | 20.0 | 500.0 | 90072224 |
| <u>NO₂</u> | | | | |
| Annual | | | | |
| | 4.5 | 172.3 | 697.5 | 86123124 |
| | 4.6 | 172.3 | 697.5 | 87123124 |
| | 4.5 | 300.0 | 800.0 | 88123124 |
| | 3.5 | 310.0 | 800.0 | 89123124 |
| | 6.1 | 300.0 | 800.0 | 90123124 |

^a Based on 5-year meteorological record, Pensacola/Apalachicola, 1986-87, and Apalachicola /Apalachicola, 1988-90

^b Relative to Modeling Analysis Origin Location

Notes

NA = Not Applicable

YYMMDDHH = Year, Month, Day, Hour Ending

HSH = Highest, 2nd-Highest Concentration in 5 years.

Table 5-6. Maximum Predicted Pollutant PSD Increment Consumption For Comparison
With PSD Class II Allowable Increments, Refined Analysis

| Averaging Time | Concentration ($\mu\text{g}/\text{m}^3$) | Receptor Location ^b | | Time Period (YYMMDDHH) | Allowable PSD Class I Increment ($\mu\text{g}/\text{m}^3$) |
|---|---|--------------------------------|-----------------|---------------------------|---|
| | | Direction (degree) | Distance (m) | | |
| <u>SO₂</u> | | | | | |
| <u>Both Combination Boilers Operating on Fuel Oil and/or Coal</u> | | | | | |
| Annual | <0 | NA | NA | NA | 20 |
| HSH 24-Hour | 14.8 | 302 | 1700 | 88020324 | 91 |
| HSH 3-Hour | 451 | 320 | 700 | 87060215 | 512 |
| <u>Only Combination Boiler No. 3 Operating on Fuel Oil and/or Coal</u> | | | | | |
| Annual | <0 | NA | NA | NA | 20 |
| HSH 24-Hour | 14.1 | 302 | 1700 | 88020324 | 91 |
| <u>Only Combination Boiler No. 4 Operating on Fuel Oil and/or Coal</u> | | | | | |
| Annual | <0 | NA | NA | NA | 20 |
| HSH 24-Hour | 16.1 | 302 | 1700 | 88020324 | 91 |
| <u>PM₁₀</u> | | | | | |
| Annual | 2.92 | 205.7 | 665.4 | 89123124 | 17 |
| HSH 24-Hour | 21.5 | 205.7 | 665.4 | 89111824 | 30 |
| <u>NO₂</u> | | | | | |
| Annual | 6.2 | 302 | 800 | 90123124 | 25 |

^a Based on 5-year meteorological record, Pensacola/Apalachicola, 1986-87, and
Apalachicola/Apalachicola, 1988-90

^b Relative to Modeling Analysis Origin Location

Notes:

YYMMDDHH = Year, Month, Day, Hour Ending

HSH = Highest, 2nd-Highest Concentration in 5 years.

PSD = Prevention of Significant Deterioration

Table 5-7. Maximum Predicted SO₂, PM₁₀, and NO₂ PSD Increment at the Bradwell Bay and St. Marks NWRs (revised 10/31/00)

| Averaging Time | Concentration* ($\mu\text{g}/\text{m}^3$) | Receptor Location (UTM) | | Time Period (YYMMDDHH) | Allowable PSD Class I Increment ($\mu\text{g}/\text{m}^3$) |
|------------------------|--|-------------------------|---------|---------------------------|---|
| | | (m) | (m) | | |
| <u>SO₂</u> | | | | | |
| Annual | | | | | |
| | <0 | NA | NA | 86123124 | 2 |
| | <0 | NA | NA | 87123124 | |
| | <0 | NA | NA | 88123124 | |
| | <0 | NA | NA | 89123124 | |
| | <0 | NA | NA | 90123124 | |
| HSH 24-Hour | | | | | |
| | 2.47 | 728000 | 3341000 | 86010824 | 5 |
| | 2.11 | 738000 | 3341000 | 87102224 | |
| | 2.78 | 736000 | 3343000 | 88112224 | |
| | 3.05 | 736000 | 3343000 | 89080824 | |
| | 1.54 | 747100 | 3320500 | 90092424 | |
| HSH 3-Hour | | | | | |
| | 11.87 | 731000 | 3343000 | 86120103 | 25 |
| | 8.96 | 738000 | 3343000 | 87102212 | |
| | 10.67 | 736000 | 3343000 | 88010306 | |
| | 12.66 | 736000 | 3343000 | 89080812 | |
| | 8.61 | 736000 | 3341000 | 90080812 | |
| <u>PM₁₀</u> | | | | | |
| Annual | | | | | |
| | <0 | NA | NA | 86123124 | 1 |
| | <0 | NA | NA | 87123124 | |
| | <0 | NA | NA | 88123124 | |
| | <0 | NA | NA | 89123124 | |
| | <0 | NA | NA | 90123124 | |
| HSH 24-Hour | | | | | |
| | 0.51 | 728000 | 3341000 | 86010824 | 5 |
| | 0.46 | 741000 | 3341000 | 87122224 | |
| | 0.65 | 736000 | 3346000 | 88010324 | |
| | 0.73 | 733000 | 3343000 | 89092024 | |
| | 0.40 | 786000 | 3336415 | 90102524 | |
| <u>NO₂</u> | | | | | |
| Annual | | | | | |
| | 0.39 | 770000 | 3338000 | 86123124 | 2.5 |
| | 0.39 | 770000 | 3338000 | 87123124 | |
| | 0.27 | 769700 | 3335000 | 88123124 | |
| | 0.26 | 736000 | 3346000 | 89123124 | |
| | 0.26 | 770000 | 3338000 | 90123124 | |

* Based on 5-year meteorological record, Pensacola/Apalachicola, 1986-87, and Apalachicola /Apalachicola, 1988-90

Note:

PSD = Prevention of Significant Deterioration
YYMMDDHH = Year, Month, Day, Hour Ending
UTM = Universal Transverse Mercator
HSH = Highest, 2nd-Highest

Table 5-8. ISCST3 and ISC-PRIME Results: Maximum Predicted Pollutant Impacts

| Pollutant/ Averaging Time | ISCST3 | | | ISC-PRIME | | | Florida Ambient Air Quality Standard ($\mu\text{g}/\text{m}^3$) |
|--------------------------------------|--|-----------------------|-------------------|--|-----------------------|-------------------|--|
| | Reduced SO ₂ and PM Emissions ^a | | Receptor Location | Reduced SO ₂ and PM Emissions ^a | | Receptor Location | |
| | Concentration ($\mu\text{g}/\text{m}^3$) | Direction (degree) | Distance (m) | Concentration ($\mu\text{g}/\text{m}^3$) | Direction (degree) | Distance (m) | |
| AMBIENT AIR QUALITY STANDARDS | | | | | | | |
| SO₂ | | | | | | | |
| Annual | 51 | 180.5 | 689.4 | 44 | 304 | 900 | 60 |
| 24-Hour | 314 | 353.1 | 276.1 | 259 | 290 | 500 | 260 |
| 3-Hour | 2,682 | 91.9 | 207.1 | 1,286 | 298 | 600 | 1,300 |
| PM₁₀ | | | | | | | |
| Annual | 44 | 180.5 | 689.4 | 43 | 12.2 | 72.9 | 50 |
| 24-Hour ^b | 202 | 346.2 | 494.1 | 148 | 12.2 | 72.9 | 150 |
| PSD CLASS II INCREMENTS | | | | | | | |
| SO₂ | | | | | | | |
| Annual | 0 | 85.8 | 60.8 | <0 | NA | NA | 20 |
| 24-Hour | 6.7 | 240 | 2500 | 16.1 | 302 | 1700 | 91 |
| 3-Hour | 950 | 172.3 | 697.5 | 451 | 320 | 700 | 512 |
| PM₁₀ | | | | | | | |
| Annual | 2.2 | 12.2 | 72.9 | 2.9 | 205.7 | 665.4 | 50 |
| 24-Hour | 21.1 | 30 | 100 | 21.5 | 205.7 | 665.4 | 150 |
| PSD CLASS I INCREMENTS | | | | | | | |
| SO₂ | | | | | | | |
| Annual | <0 | NA | NA | <0 | NA | NA | 2 |
| 24-Hour | 3.0 | 12.4 | 3423060.8 | 3.0 | 12.4 | 3423060.8 | 5 |
| 3-Hour | 13.9 | 12.4 | 3423060.8 | 8.3 | 12.4 | 3423060.8 | 25 |
| PM₁₀ | | | | | | | |
| Annual | 0.05 | 12.4 | 3425990.8 | <0 | NA | NA | 4 |
| 24-Hour | 0.73 | 12.4 | 3422417.0 | 0.005 | 12.4 | 3422417.0 | 8 |

NA = Not Applicable

^a Based on emissions for compliance scenario, as described in Section 2.0.^b Based on highest, sixth-highest concentration in five years.**Notes**

All concentrations represent Highest, 2nd-Highest Concentration in 5 years, unless otherwise noted.

Based on 5-year meteorological record, West Palm Beach, 1987-91.

All predicted concentrations include the following background concentrations:

- SO₂ = 12 $\mu\text{g}/\text{m}^3$, annual average
- = 20 $\mu\text{g}/\text{m}^3$, 24-hour average
- = 79 $\mu\text{g}/\text{m}^3$, 3-hour average
- PM₁₀ = 25 $\mu\text{g}/\text{m}^3$, annual average
- = 35 $\mu\text{g}/\text{m}^3$, 24-hour average

ATTACHMENT D

**REVISIONS TO "SUPPLEMENTAL INFORMATION
FOR PSD PERMIT APPLICATION"
(APRIL 2000)**

G. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION
 (Regulated Emissions Units -
 Emissions-Limited and Preconstruction Review Pollutants Only)

Potential/Fugitive Emissions

| | | | |
|--|--|---|--|
| 1. Pollutant Emitted: PM | | 2. Total Percent Efficiency of Control: | |
| 3. Potential Emissions: 3 lb/hour 13.1 tons/year | | 4. Synthetically Limited? <input checked="" type="checkbox"/> | |
| 5. Range of Estimated Fugitive Emissions: [] 1 [] 2 [] 3 _____ to _____ tons/year | | | |
| 6. Emission Factor: 4 lb/hr Reference: Test Data | | 7. Emissions Method Code: 0 | |
| 8. Calculation of Emissions (limit to 600 characters): Based on proposed permit limit. | | | |
| 9. Pollutant Potential/Fugitive Emissions Comment (limit to 200 characters): | | | |

Allowable Emissions Allowable Emissions 4 of _____

| | | | |
|--|--|--|--|
| 1. Basis for Allowable Emissions Code: RULE | | 2. Future Effective Date of Allowable Emissions: | |
| 3. Requested Allowable Emissions and Units: 3.0 lb/hr | | 4. Equivalent Allowable Emissions: 3 lb/hour 13.1 tons/year | |
| 5. Method of Compliance (limit to 60 characters): Annual source testing using EPA Reference Method 5 | | | |
| 6. Allowable Emissions Comment (Desc. of Operating Method) (limit to 200 characters): | | | |

G. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION
(Regulated Emissions Units -
Emissions-Limited and Preconstruction Review Pollutants Only)

Potential/Fugitive Emissions

| | |
|--|---|
| 1. Pollutant Emitted: SO₂ | 2. Total Percent Efficiency of Control: |
| 3. Potential Emissions: 825.0 lb/hour 1,971.0 tons/year | 4. Synthetically Limited? <input checked="" type="checkbox"/> [X] |
| 5. Range of Estimated Fugitive Emissions: [] 1 [] 2 [] 3 _____ to _____ tons/year | |
| 6. Emission Factor: 450 lb/hr Reference: Proposed Limit | 7. Emissions Method Code: 0 |
| 8. Calculation of Emissions (limit to 600 characters): Proposed limits are 825 lb/hr (3-hr) and 450 lb/hr (24-hr). See Attachments SCC-EU8-G1 through G6. When both No. 3 and No. 4 Combination Boilers are burning oil or coal, or burning TRS gases, total SO₂ emissions from both boilers are limited to 485 lb/hr, 24-hr average. | |
| 9. Pollutant Potential/Fugitive Emissions Comment (limit to 200 characters): SO₂ emissions controlled through caustic addition and SO₂ monitor. | |

Allowable Emissions Allowable Emissions 1 of 1

| | |
|---|---|
| 1. Basis for Allowable Emissions Code: OTHER | 2. Future Effective Date of Allowable Emissions: 16 April 2001 |
| 3. Requested Allowable Emissions and Units: 450 lb/hr | 4. Equivalent Allowable Emissions: 1,190.4 lb/hour 1,971.0 tons/year |
| 5. Method of Compliance (limit to 60 characters): Source Test using EPA Method 6 | |
| 6. Allowable Emissions Comment (Desc. of Operating Method) (limit to 200 characters): Proposed 24-hour average permit limit is 450 lb/hr. | |

G. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION
(Regulated Emissions Units -
Emissions-Limited and Preconstruction Review Pollutants Only)

Potential/Fugitive Emissions

| | | | |
|---|--|---|--|
| 1. Pollutant Emitted: SO₂ | | 2. Total Percent Efficiency of Control: | |
| 3. Potential Emissions: 825 lb/hour 2,343.3 tons/year | | 4. Synthetically Limited? [<input checked="" type="checkbox"/>] | |
| 5. Range of Estimated Fugitive Emissions: [] 1 [] 2 [] 3 _____ to _____ tons/year | | | |
| 6. Emission Factor: 535 lb/hr Reference: Proposed Limit | | 7. Emissions Method Code: 0 | |
| 8. Calculation of Emissions (limit to 600 characters): Proposed permit limits are 825 lb/hr (3-hr) and 535 lb/hr (24-hr). See Attachments SCC-EU9-G1 through G6. When both No. 3 and No. 4 Combination Boilers are burning oil or coal, or burning TRS gases, total SO₂ emissions from both boilers are limited to 485 lb/hr, 24-hr average. | | | |
| 9. Pollutant Potential/Fugitive Emissions Comment (limit to 200 characters): | | | |

Allowable Emissions Allowable Emissions 1 of 2

| | | | |
|--|--|---|--|
| 1. Basis for Allowable Emissions Code: OTHER | | 2. Future Effective Date of Allowable Emissions: 16 April 2001 | |
| 3. Requested Allowable Emissions and Units: 535 lb/hr | | 4. Equivalent Allowable Emissions: 535 lb/hour 2,343.3 tons/year | |
| 5. Method of Compliance (limit to 60 characters): Source Test using EPA Method 6 | | | |
| 6. Allowable Emissions Comment (Desc. of Operating Method) (limit to 200 characters): Maximum 24-hr limit. | | | |

Table 1-1. 1996-1997 Baseline Emissions, Stone Container Corp., Panama City

| Regulated Pollutant | No. 1 Recovery Boiler (TPY) | No. 2 Recovery Boiler (TPY) | No. 1 Smelt Dissolving Tank (TPY) | No. 2 Smelt Dissolving Tank (TPY) | Lime Kiln (TPY) | Bleach Plant (TPY) | Pulping Area (TPY) | Lime Slaker (TPY) | Woodyard (TPY) | Chemical Recovery Area (TPY) | Paper Making (TPY) | No. 3 Combination Boiler (TPY) | TOTAL BASELINE EMISSIONS (TPY) |
|----------------------------|-----------------------------|-----------------------------|-----------------------------------|-----------------------------------|-----------------|--------------------|--------------------|-------------------|----------------|------------------------------|--------------------|--------------------------------|--------------------------------|
| Particulate (TSP) | 185.2 | 160.9 | 69.6 | 97.4 | 98.5 | -- | -- | 1.7 | 41.3 | -- | -- | -- | 654.6 |
| Particulate (PM10) | 143.7 | 124.9 | 62.3 | 87.2 | 96.8 | -- | -- | 1.7 | 15.0 | -- | -- | -- | 531.5 |
| Sulfur dioxide | 490.4 | 497.1 | 3.7 | 3.8 | 16.4 | -- | -- | -- | -- | -- | -- | -- | 1011.4 |
| Nitrogen oxides | 272.4 | 276.2 | 7.7 | 7.8 | 156.0 | -- | -- | -- | -- | -- | -- | 75.3 ^a | 795.4 |
| Carbon monoxide | 2476.8 | 2510.6 | -- | -- | 15.7 | 119.9 | -- | -- | -- | -- | -- | -- | 5122.9 |
| Volatile organic compounds | 158.0 | 160.2 | 14.5 | 14.7 | 16.8 | 73.5 | 57.3 | 3.1 | -- | 159.5 | 190.9 | 3.7 ^a | 852.2 |
| Sulfuric acid mist | 30.0 | 14.0 | 0.2 | 0.2 | 1.0 | -- | -- | -- | -- | -- | -- | -- | 45.5 |
| Total Reduced Sulfur | 28.4 | 34.6 | 2.6 | 3.1 | 9.4 | 4.7 | 70.0 | -- | -- | 14.4 | -- | -- | 167.3 |
| Lead | 0.0 | 0.0 | 0.0 | 0.0 | 0.3 | -- | -- | -- | -- | -- | -- | -- | 0.3 |
| Mercury | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -- | -- | -- | -- | -- | -- | -- | 0.0 |
| Beryllium | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -- | -- | -- | -- | -- | -- | -- | 0.0 |
| Fluorides | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |

^a Represents emissions due to current permitted pulp production limit of 668,850 TPY ADUP.

^b Represents VOC emissions due to condensate stripper off-gas at current permitted pulp production limit of 668,850 TPY.

Table 1-2. Maximum Future Potential Emissions at 781,000 TPY Pulp Production, Stone Container Corp., Panama City (Revised 10/31/00)

| Regulated Pollutant | No. 1 Recovery Boiler (TPY) | No. 2 Recovery Boiler (TPY) | No. 1 Smelt Dissolving Tank (TPY) | No. 2 Smelt Dissolving Tank (TPY) | Lime Kiln (TPY) | Bleach Plant (TPY) | Pulping Area (TPY) | Lime Slaker (TPY) | Woodyard (TPY) | Chemical Recovery Area (TPY) | Paper Making (TPY) | No. 3 Combination Boiler (TPY) | TOTAL FUTURE POTENTIAL (TPY) |
|---------------------------------|--------------------------------------|--------------------------------------|--|--|-----------------------|--------------------------|--------------------------|-------------------------|-------------------|---------------------------------------|--------------------------|---|---------------------------------------|
| Particulate (TSP) | 394.2 | 394.2 | 54.2 | 54.2 | 130.7 | -- | -- | 13.1 | 44.6 | -- | -- | -- | 1,085.2 |
| Particulate (PM ₁₀) | 306.6 | 306.6 | 48.5 | 48.5 | 128.4 | -- | -- | 13.1 | 16.4 | -- | -- | -- | 868.1 |
| Sulfur dioxide | 568.4 | 568.4 | 4.3 | 4.3 | 20.6 | -- | -- | -- | -- | -- | -- | -- | 1,166.1 |
| Nitrogen oxides | 315.8 | 315.8 | 8.9 | 8.9 | 195.7 | -- | -- | -- | -- | -- | -- | 87.86 | 933.0 |
| Carbon monoxide | 2,872.0 | 2,872.0 | -- | -- | 19.7 | 177.3 | -- | -- | -- | -- | -- | -- | 5,941.0 |
| Volatile organic compds. | 183.2 | 183.2 | 16.8 | 16.8 | 21.1 | 96.7 | 70.3 | 5.4 | -- | 193.8 | 234.3 | 4.30 ^a | 1,025.9 |
| Sulfuric acid mist | 34.8 | 34.8 | 0.27 | 0.27 | 1.3 | -- | -- | -- | -- | -- | -- | -- | 71.4 |
| Total Reduced Sulfur | 75.9 | 75.9 | 13.0 | 13.0 | 31.9 | 6.3 | 85.9 | -- | -- | 16.4 | -- | -- | 318.3 |
| Lead | 0.023 | 0.023 | 0.0050 | 0.0050 | 0.34 | -- | -- | -- | -- | -- | -- | -- | 0.40 |
| Mercury | 0.017 | 0.017 | 4.90E-05 | 4.90E-05 | 8.10E-04 | -- | -- | -- | -- | -- | -- | -- | 0.0349 |
| Beryllium | 6.00E-04 | 6.00E-04 | 3.80E-05 | 3.80E-05 | 1.50E-03 | -- | -- | -- | -- | -- | -- | -- | 0.00278 |
| Fluorides | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |

^a Based on baseline VOC emissions (See Table 1-1) times ratio of 781,000 / 668,850 TPY ADUP.

Table 1-3. Net Change in Emissions Due to Proposed Pulp Production of 781,000 TPY
Stone Container Corp., Panama City (Revised 10/31/00)

| Regulated Pollutant | 1996-1997 BASELINE EMISSIONS (TPY) | FUTURE POTENTIAL EMISSIONS (TPY) | NET CHANGE (TPY) | SIGNIFICANT EMISSION RATE (TPY) | PSD REVIEW APPLIES ? |
|---------------------------------|---|---|------------------------|--|-------------------------------|
| Particulate (TSP) | 654.6 | 1,085.2 | 430.6 | 25 | Yes |
| Particulate (PM ₁₀) | 531.5 | 868.1 | 336.6 | 15 | Yes |
| Sulfur dioxide | 1,011.4 | 1,166.1 | 154.6 | 40 | Yes |
| Nitrogen oxides | 795.4 | 933.0 | 137.6 | 40 | Yes |
| Carbon monoxide | 5,122.9 | 5,941.0 | 818.1 | 100 | Yes |
| Volatile organic compds. | 852.2 | 1,025.9 | 173.7 | 40 | Yes |
| Sulfuric acid mist | 45.5 | 71.4 | 26.0 | 7 | Yes |
| Total Reduced Sulfur | 167.3 | 318.3 | 151.0 | 10 | Yes |
| Lead | 0.32 | 0.40 | 0.078 | 0.6 | No |
| Mercury | 0.0309 | 0.0349 | 0.004 | 0.1 | 6.48E-04 |
| Beryllium | 0.0005 | 0.00278 | 0.00226 | 0.00040 | Yes |
| Fluorides | -- | -- | -- | 3 | No |

Table A-1. Maximum Emissions from Recovery Boiler Nos. 1 and 2, Stone Container Corporation, Panama City (Revised 10/31/00)

| Regulated Pollutant | Each Recovery Boiler | | | Hourly Emissions (lb/hr) | Annual Emissions (TPY) |
|---------------------------------|----------------------|-----------|---------------------------------|--------------------------------|------------------------------|
| | Emission Factor | Reference | Activity Factor ^a | | |
| Particulate (PM) | 90.0 lb/hr | 1 | 8,760 hr/yr | 90.0 | 394.2 |
| Particulate (PM ₁₀) | 77.6 % of PM | 6 | -- | 70.00 | 306.6 |
| Sulfur dioxide | 0.18 lb/MMBtu | 3 | 721 MMBtu/hr | 129.78 | 568.4 |
| Nitrogen oxides | 0.10 lb/MMBtu | 3 | 721 MMBtu/hr | 72.10 | 315.8 |
| Carbon monoxide | 20 lb/1,000 lb BLS | 7 | 123.7 1,000 lb BLS/hr | 2,474 | 2,872 |
| VOC | 0.058 lb C/MMBtu | 3 | 721 MMBtu/hr | 41.82 | 183.2 |
| Sulfuric acid mist | 0.011 lb/MMBtu | 5 | 721 MMBtu/hr | 7.95 | 34.8 |
| Total reduced sulfur | 17.5 ppmvd | 1 | 187,100 dscfm ^b | 17.3 | 75.9 |
| Lead | 7.2E-06 lb/MMBtu | 2 | 721 MMBtu/hr | 5.2E-03 | 2.3E-02 |
| Mercury | 5.5E-06 lb/MMBtu | 2 | 721 MMBtu/hr | 4.0E-03 | 1.7E-02 |
| Beryllium | 1.9E-07 lb/MMBtu | 2 | 721 MMBtu/hr | 1.4E-04 | 6.0E-04 |
| Fluorides | ND | 4 | -- | -- | -- |

Notes:

^a Based on currently permitted maximum operating rate of 123,700 lb virgin BLS/hr, 5,830 Btu/lb BLS, and 8,760 hr/yr.

^b Based on 1997 compliance testing and 8% salt cake content of BLS throughput, ie. 92% virgin BLS. Flow rate at 8% oxygen.

References:

1. Currently permitted emission limit.
2. Emission factor based on NCASI Bulletin No. 650, Table 11D, direct contact evaporator, average factor used.
3. Emission factor based on NCASI Bulletin No. 646, Tables 8-11, direct contact evaporator with ESP, average factor used.
4. From "Application of Combustion Modifications to Industrial Combustion Equipment" EPA-600/7-79-015a. one test from recovery boiler.
5. Based on similar derivation of sulfuric acid mist from AP-42 for fuel oil. 5% of SO₂ becomes SO₃, then take into account the ratio of sulfuric acid mist and gaseous sulfate molecular weights (98/80).
6. Based on AP-42 Tables 10.2-1, 10.2-2, and Figure 10.2-2 for Kraft pulping sources.
7. Based on NCASI Bulletin No. 416, Table 5 and Figure 17 (20 lb/1,000 lb BLS for hourly emissions and 5.3 lb/1,000 lb BLS for annual average).

Table A-2a. Maximum Emissions for Individual Fuels, No. 3 Combination Boiler Stone Container, Panama City

| Regulated Pollutant | No. 6 Oil | | | | | Wood/Bark | | | | | Natural Gas | | | | |
|---------------------------------|---------------------------------|------|-------------------------------|--------------------------|------------------------|--------------------------|------|---------------------------------|--------------------------|------------------------|--------------------------|------|-------------------------------|--------------------------|------------------------|
| | Emission Factor | Ref. | Activity Factors ^a | Hourly Emissions (lb/hr) | Annual Emissions (TPY) | Emission Factor | Ref. | Activity Factors ^{a,b} | Hourly Emissions (lb/hr) | Annual Emissions (TPY) | Emission Factor | Ref. | Activity Factors ^a | Hourly Emissions (lb/hr) | Annual Emissions (TPY) |
| Particulate (PM) | 0.10 lb/MMBtu | 1 | 378 MMBtu/hr | 37.80 | 165.56 | 0.3 lb/MMBtu | 1 | 474 MMBtu/hr | 109.50 ^c | 479.61 | 0.1 lb/MMBtu | 1 | 30 MMBtu/hr | 3.00 | 13.14 |
| Particulate (PM ₁₀) | 86 % of PM | 9 | -- | 32.51 | 142.39 | 87 % of PM | 5 | -- | 95.27 | 417.26 | 0.1 lb/MMBtu | 1 | 30 MMBtu/hr | 3.00 | 13.14 |
| Sulfur dioxide: 3-hr | 825 lb/hr | 8 | -- Mgal/hr | 825.00 | | 0.075 lb/TWWF | 5 | 60.0 tons/hr | 4.50 | | 0.6 lb/MMscf | 6 | 0.03 MMscf/hr | 0.018 | |
| | 24-hr 450 lb/hr ^d | 8 | -- | 450.00 | 1,971.00 | 0.075 lb/TWWF | 5 | 60.0 tons/hr | 4.50 | 19.71 | 0.6 lb/MMscf | 6 | 0.03 MMscf/hr | 0.018 | 0.079 |
| Nitrogen oxides | 47 lb/Mgal | 2 | 2.52 Mgal/hr | 118.44 | 518.77 | 1.5 lb/TWWF | 5 | 60.0 tons/hr | 90.00 | 394.20 | 280 lb/MMscf | 6 | 0.03 MMscf/hr | 8.40 | 36.79 |
| Carbon monoxide | 5 lb/Mgal | 2 | 2.52 Mgal/hr | 12.60 | 55.19 | 2.923 lb/TWWF | 7 | 60.0 tons/hr | 175.38 | 768.16 | 84 lb/MMscf | 6 | 0.03 MMscf/hr | 2.52 | 11.04 |
| VOC | 0.28 lb/Mgal | 2 | 2.52 Mgal/hr | 0.71 | 3.09 | 0.12 lb/TWWF | 3 | 60.0 tons/hr | 7.20 | 31.54 | 5.5 lb/MMscf | 6 | 0.03 MMscf/hr | 1.65E-01 | 7.23E-01 |
| Sulfuric acid mist: 24-hr | 5.75 lb/Mgal ^d | 2 | 2.52 Mgal/hr | 42.23 | 184.97 | 6.1 % of SO ₂ | 4 | 60.0 tons/hr | 0.27 | 1.20 | 6.1 % of SO ₂ | 4 | -- | 0.0011 | 0.0048 |
| Total reduced sulfur | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Lead | 1.51E-03 lb/Mgal | 2 | 2.52 Mgal/hr | 3.81E-03 | 1.67E-02 | 4.45E-04 lb/TWWF | 5 | 60.0 tons/hr | 2.67E-02 | 1.17E-01 | 1.00E-06 lb/MMscf | 6 | 0.03 MMscf/hr | 3.00E-10 | 1.31E-09 |
| Mercury | 1.13E-04 lb/Mgal | 2 | 2.52 Mgal/hr | 2.85E-04 | 1.25E-03 | 5.15E-06 lb/TWWF | 5 | 60.0 tons/hr | 3.09E-04 | 1.35E-03 | 2.60E-04 lb/MMscf | 6 | 0.03 MMscf/hr | 7.80E-06 | 3.42E-05 |
| Beryllium | 2.78E-05 lb/Mgal | 2 | 2.52 Mgal/hr | 7.01E-05 | 3.07E-04 | -- | -- | -- | -- | -- | 1.20E-05 lb/MMscf | 6 | 0.03 MMscf/hr | 3.60E-07 | 1.58E-06 |
| Fluorides | 3.73E-02 lb/Mgal | 2 | 2.52 Mgal/hr | 9.40E-02 | 4.12E-01 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |

Notes:

TWWF - ton of wet wood residue fuel

All annual emissions based on 8,760 hr/yr operation.

Footnotes:

^a Refer to Attachment SCC-EU8-G1.

^b Based on 30 tons/hr dry basis, and 50% moisture in wood/bark.

^c S = 2.4% max by current permit

^d Proposed permit limit for 24 hour average for No. 3 Combination Boiler operating, with No. 4 Combination Boiler shutdown or operating on bark/natural gas only.

^e Based on limit in current operating permit.

References:

1. Based on Florida Rule 62-296.410.

2. Emission Factors based on AP-42 Section 1.3 Table 1.3-1, 1.3-3, 1.3-4 and 1.3-11 for metals (assuming uncontrolled for metals). For sulfuric acid mist, factor shown is for SO₂. Convert to H₂SO₄ by multiplying by 98/80.

3. Emission Factor Based on NCASI TB 646 for an average Spreader Stoker Boilers with Scrubbers Tables L, 2, and 3.

4. Based on similar derivation of sulfuric acid mist from AP-42 for fuel oil: 5% of SO₂ becomes SO₃, then take into account the ratio of sulfuric acid mist and sulfur dioxide molecular weights (98/80).

5. Emission Factors based on AP-42 Section 1.6 Table 1.6-1, 1.6-2, 1.6-3, 1.6-5 and 1.6-6 (2/99).

6. Emission Factors based on AP-42 Section 1.4 Table 1.4-1, 1.4-2, and 1.4-4.

7. Emission Factor Based on NCASI TB 416, Table 4

8. Based on proposed permit limit.

9. Based on AP-42 Section 1.3, Table 1.3-5, for industrial boilers firing residual oil with no control.

Table A-2b. Proposed Maximum Emissions For Alternate Fuel Scenarios for No. 3 Combination Boiler, Stone Container, Panama City

| Regulated Pollutant | Maximum Wood/Bark plus Fuel Oil | | Maximum Fuel Oil plus Wood/Bark | | Condensate Stripper | | Maximum ^a | |
|---------------------------------|---------------------------------|------------------------|---------------------------------|------------------------|--------------------------|------------------------|--------------------------|------------------------|
| | Hourly Emissions (lb/hr) | Annual Emissions (TPY) | Hourly Emissions (lb/hr) | Annual Emissions (TPY) | Hourly Emissions (lb/hr) | Annual Emissions (TPY) | Hourly Emissions (lb/hr) | Annual Emissions (TPY) |
| Particulate (PM) | 109.50 | 479.61 | 56.40 | 247.03 | -- | -- | 109.50 | 479.61 |
| Particulate (PM ₁₀) | 97.76 | 428.18 | 48.69 | 213.26 | -- | -- | 97.76 | 428.18 |
| Sulfur dioxide: 3-hr | 77.22 | -- | 825.00 | -- | 240.24 | -- | 825.00 | -- |
| 24-hr | 77.22 | 338.23 | 450.00 | 1,971.00 | 240.24 | 1,052.25 | 450.00 | 1,971.00 |
| Nitrogen oxides | 99.07 | 433.93 | 130.14 | 570.01 | 27.00 | 87.86 | 157.14 | 657.88 |
| Carbon monoxide | 176.35 | 772.39 | 35.40 | 155.05 | -- | -- | 176.35 | 772.39 |
| VOC | 7.25 | 31.77 | 1.64 | 7.19 | -- | -- | 7.25 | 31.77 |
| Sulfuric acid mist | 2.91 | 12.77 | 42.27 | 185.12 | -- | -- | 42.27 | 185.12 |
| Total reduced sulfur | -- | -- | -- | -- | 3.81 | 16.69 | 3.81 | 16.69 |
| Lead | 2.70E-02 | 1.18E-01 | 7.28E-03 | 3.19E-02 | -- | -- | 2.70E-02 | 1.18E-01 |
| Mercury | 3.31E-04 | 1.45E-03 | 3.25E-04 | 1.42E-03 | -- | -- | 3.31E-04 | 1.45E-03 |
| Beryllium | 5.37E-06 | 2.35E-05 | 7.01E-05 | 3.07E-04 | -- | -- | 7.01E-05 | 3.07E-04 |
| Fluorides | 7.20E-03 | 3.15E-02 | 9.40E-02 | 4.12E-01 | -- | -- | 9.40E-02 | 4.12E-01 |

^a Maximum of either firing scenario plus the condensate stripper, except for 3-hour and 24-hour SO₂ emissions, which are limited to 875 lb/hr and 485 lb/hr, respectively.

Table A-3a. Maximum Emissions for Individual Fuels, No. 4 Combustion Boiler, Stone Container, Panama City.

| Regulated Pollutant | No. 6 Oil | | | | Wood Bark | | | | Gas | | | | Coal | | | | | | | |
|-----------------------------------|--------------------------|------------------------|-------------------------------|--------------------------|------------------------|--------------------------|------|---------------------------------|--------------------------|------------------------|--------------------------|--------------|-------------------------------|--------------------------|------------------------|--------------------------|-----------|-------------------------------|--------------------------|------------------------|
| | Emission Factor | Ref. | Activity Factors ^a | Hourly Emissions (lb/hr) | Annual Emissions (TPY) | Emission Factor | Ref. | Activity Factors ^{a,b} | Hourly Emissions (lb/hr) | Annual Emissions (TPY) | Emission Factor | Ref. | Activity Factors ^a | Hourly Emissions (lb/hr) | Annual Emissions (TPY) | Emission Factor | Ref. | Activity Factors ^a | Hourly Emissions (lb/hr) | Annual Emissions (TPY) |
| Particulate (PM) | 0.10 lb/MMBtu | 1 | 473 MMBtu/hr | 47.3 | 207.17 | 0.30 lb/MMBtu | 1 | 474 MMBtu/hr | 86.60 ^c | 379.31 | 0.1 lb/MMBtu | 1 | 40 MMBtu/hr | 4.00 | 17.52 | 0.1 lb/MMBtu | 1 | 395 MMBtu/hr | 39.50 | 173.01 |
| Particulate (PM10) | 86 % of PM | 10 | -- | 40.68 | 178.17 | 87 % of PM | 5 | -- | 75.34 | 330.00 | 0.1 lb/MMBtu | 1 | 40 MMBtu/hr | 4.00 | 17.52 | 90 % of PM | 7 | -- | 35.55 | 155.71 |
| Sulfur dioxide, 3-hr | 825 lb/hr | 9 | 3.153 Mgal/hr | 825.00 ^d | -- | 0.075 lb/TWVWF | 9 | 60.0 tons/hr | 4.50 | 19.71 | 0.6 lb/MMscf | 6 | 0.04 MMscf/hr | 0.024 | -- | 825 lb/hr ^e | -- | -- | 825.0 | -- |
| | 24-hr | 535 lb/hr ^f | 9 | 3.153 Mgal/hr | 535.00 | 2,343.30 | -- | -- | -- | -- | -- | 0.6 lb/MMscf | 6 | 0.04 MMscf/hr | 0.024 | 0.11 | 535 lb/hr | 9 | -- | 535.0 |
| Nitrogen oxides | 47 lb/Mgal | 2 | 3.153 Mgal/hr | 148.19 | 649.08 | 1.5 lb/TWVWF | 5 | 60.0 tons/hr | 90.00 | 394.20 | 280 lb/MMscf | 6 | 0.04 MMscf/hr | 11.20 | 49.06 | 1.1 lb/ton | 7 | 15.8 TPH | 173.8 | 761.24 |
| Carbon monoxide | 5 lb/Mgal | 2 | 3.153 Mgal/hr | 15.77 | 69.05 | 2.923 lb/TWVWF | 8 | 60.0 tons/hr | 175.38 | 768.16 | 84 lb/MMscf | 6 | 0.04 MMscf/hr | 3.36 | 14.72 | 5 lb/ton | 7 | 15.8 TPH | 79.0 | 346.02 |
| VOC | 0.28 lb/Mgal | 2 | 3.153 Mgal/hr | 0.88 | 3.87 | 0.12 lb/TWVWF | 3 | 60.0 tons/hr | 7.20 | 31.54 | 5.5 lb/MMscf | 6 | 0.04 MMscf/hr | 0.22 | 0.96 | 0.05 lb/ton | 3 | 15.8 TPH | 0.79 | 3.46 |
| Sulfuric acid mist: 24-hr | 6.1 % of SO ₂ | 4 | 3.153 Mgal/hr | 32.64 | 142.9 | 6.1 % of SO ₂ | 4 | -- | 0.27 | 1.20 | 6.1 % of SO ₂ | 4 | -- | 1.46E-03 | 6.41E-03 | 6.1 % of SO ₂ | 4 | -- | 32.64 | 142.94 |
| Total reduced sulfur ^g | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 5 ppmvd ^h | 1 | 164,500 acfm ⁱ | 4.40 | 19.27 |
| Lead | 1.51E-03 lb/Mgal | 2 | 3.153 Mgal/hr | 4.6E-03 | 2.1E-02 | 4.45E-04 lb/TWVWF | 5 | 60.0 tons/hr | 2.67E-02 | 1.17E-01 | 1.0E-08 lb/MMscf | 6 | 0.04 MMscf/hr | 4.00E-10 | 1.75E-09 | 4.20E-04 lb/ton | 7 | 15.8 TPH | 6.64E-03 | 2.91E-02 |
| Mercury | 1.13E-04 lb/Mgal | 2 | 3.153 Mgal/hr | 3.6E-04 | 1.6E-03 | 5.15E-06 lb/TWVWF | 5 | 60.0 tons/hr | 3.09E-04 | 1.35E-03 | 2.6E-04 lb/MMscf | 6 | 0.04 MMscf/hr | 1.04E-05 | 4.56E-05 | 8.30E-05 lb/ton | 7 | 15.8 TPH | 1.31E-03 | 5.74E-03 |
| Beryllium | 2.78E-05 lb/Mgal | 2 | 3.153 Mgal/hr | 8.8E-05 | 3.8E-04 | -- | -- | -- | -- | -- | 1.20E-05 lb/MMscf | 6 | 0.04 MMscf/hr | 4.80E-07 | 2.10E-06 | 2.10E-05 lb/ton | 7 | 15.8 TPH | 3.32E-04 | 1.45E-03 |
| Fluorides | 3.72E-02 lb/Mgal | 2 | 3.153 Mgal/hr | 1.2E-01 | 5.2E-01 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 0.15 lb/ton | 7 | 15.8 TPH | 2.37 | 10.38 |

Notes:
TWVWF - ton of wet wood residue fuel
All annual emissions based on 8,760 hrs/yr operation.

Footnotes

- ^a Refer to Attachment SCC-EU9-G1.
- ^b Based on 30 tons/hr dry basis and 50% moisture in wood bark.
- ^c TRS gases from digester and MEE system must be incinerated in the Lime Kiln or Bark Boiler at a minimum of 1,200 deg. F for at least 0.5 seconds.
- ^d Maximum fuel oil sulfur content = 2.4%
- ^e Proposed permit limit, including TRS burning
- ^f All TRS emissions calculated under coal section.
- ^g Based on Title V application.
- ^h Proposed permit limit for 24 hour average for No. 4 Combustion Boiler operating, and with No. 3 Combustion Boiler shutdown or operating on bark/natural gas only.
- ⁱ Based on limit in AC03-190964

References:

1. Based on Florida Rule 62-296.410.
2. Emission Factors based on AP-42 Section 1.3 Table 1.3-1, 1.3-3, 1.3-4 and 1.3-11 for metals (assuming uncontrolled for metals).
3. Emission Factor based on NCASI TB 646 for an average Spreader Stoker Boilers with Scrubbers Tables 1, 2, and 3.
4. Based on similar derivation of sulfuric acid mist from AP-42 for fuel oil: 5% of SO₂ becomes SO₃ then take into account the ratio of sulfuric acid mist and sulfur trioxide molecular weights (98/80).
5. Emission Factors based on AP-42 Section 1.6 Table 1.6-1, 1.6-2, 1.6-3, 1.6-5 and 1.6-6 (2/99)
6. Emission Factors based on AP-42 Section 1.4 Table 1.4-1, 1.4-2, and 1.4-4.
7. Emission Factors based on AP-42 Section 1.1 Tables 1.1-3, 1.1-5, 1.1-9, 1.1-18 and 1.1-19 for spreader stoker boilers
8. Emission Factor based on NCASI TB 416, Table 4.
9. Based on proposed permit limit.
10. Based on AP-42 Section 1.3, Table 1.3-5, for industrial boilers firing residual oil with no control.

Table A-3b. Proposed Maximum Emissions For Alternate Fuel Scenarios, No. 4 Combination Boiler,
Stone Container, Panama City

| Regulated Pollutant | Maximum Wood/Bark and Fuel Oil | | Maximum Fuel Oil | | Maximum Coal and Wood/Bark | | Maximum Any Scenario | |
|------------------------|-----------------------------------|------------------------------|--------------------------------|------------------------------|--------------------------------|------------------------------|--------------------------------|------------------------------|
| | Hourly Emissions (lb/hr) | Annual Emissions (TPY) | Hourly Emissions (lb/hr) | Annual Emissions (TPY) | Hourly Emissions (lb/hr) | Annual Emissions (TPY) | Hourly Emissions (lb/hr) | Annual Emissions (TPY) |
| Particulate (PM) | 86.60 | 379.31 | 47.30 | 207.17 | 63.80 | 279.44 | 86.60 | 379.31 |
| Particulate (PM10) | 81.45 | 356.74 | 40.68 | 178.17 | 56.69 | 248.31 | 81.45 | 356.74 |
| Sulfur dioxide: 3-hr | 182.73 | | 825.00 | | 825.00 | | 825.00 | |
| 24-hr | 182.73 | 800.34 | 535.00 | 2,343.30 | 535.00 | 2,343.30 | 535.00 | 2,343.30 |
| Nitrogen oxides | 112.23 | 491.57 | 148.19 | 649.08 | 189.10 | 828.26 | 189.10 | 828.26 |
| Carbon monoxide | 177.75 | 778.52 | 15.77 | 69.05 | 108.81 | 476.61 | 177.75 | 778.52 |
| VOC | 7.33 | 32.12 | 0.88 | 3.87 | 2.01 | 8.82 | 7.33 | 32.12 |
| Sulfuric acid mist | 11.15 | 48.82 | 32.64 | 142.94 | 32.68 | 143.15 | 32.68 | 143.15 |
| Total reduced sulfur | -- | -- | -- | -- | 4.4 | 19.3 | 4.40 | 19.27 |
| Lead | 2.74E-02 | 1.20E-01 | 4.76E-03 | 2.09E-02 | 1.12E-02 | 4.89E-02 | 2.74E-02 | 1.20E-01 |
| Mercury | 3.62E-04 | 3.57E+02 | 3.56E-04 | 1.56E-03 | 1.36E-03 | 5.97E-03 | 1.36E-03 | 3.57E+02 |
| Beryllium | 1.31E-05 | 5.76E-05 | 8.77E-05 | 3.84E-04 | 3.32E-04 | 1.45E-03 | 3.32E-04 | 1.45E-03 |
| Fluorides | 1.76E-02 | 7.73E-02 | 1.18E-01 | 5.15E-01 | 2.37 | 10.38 | 2.37 | 10.38 |

Table A-8. Maximum Emissions from Lime Slaker at Stone Container, Panama City

| Regulated Pollutant | Emission Factor | Reference | Activity Factor ^a | Hourly Emissions (lb/hr) | Annual Emissions (TPY) |
|---------------------------------|--------------------|-----------|------------------------------|--------------------------|------------------------|
| Particulate (PM) | 3.0 lb/hr | 1 | 8,760 hr/yr | 3.0 | 13.1 |
| Particulate (PM ₁₀) | 100 % of PM | 3 | -- | 3.0 | 13.1 |
| VOC | 4.4E-02 lb/ton CaO | 2 | 28.1 ton CaO/hr ^b | 1.24 | 5.4 |
| Total reduced sulfur | ND | 2 | -- | -- | -- |

ND = Non-detectable

Footnotes

^a Based on ratio of 1997 CaO production and pulp production to proposed pulp production plus 10% (purchased lime) and 8,760 hr/yr.

^b 10% impurities included

References

1. Proposed emission limit.
2. Based on NCASI Technical Bulletin No. 701, page 237 and Table 17.
3. No data found, assume 100%.

ATTACHMENT E

PERMITTING HISTORY

No. 1 Recovery Boiler (ID No. 001)

| <u>Permit Issue Date</u> | <u>Permit Number</u> | <u>Type Permit</u> |
|--------------------------|----------------------|--------------------|
| 01/08/73 | AO03-1103 | Operating |
| 02/08/78 | AO03-4717A | Operating |
| 02/11/83 | AO03-63151 | Operating |
| 03/21/88 | AO03-141024 | Operating |
| 06/10/93 | AO03-222669 | Operating |

No. 1 Dissolving Tank Vent (ID No. 021)

| <u>Permit Issue Date</u> | <u>Permit Number</u> | <u>Type Permit</u> |
|--------------------------|----------------------|--------------------|
| 01/08/73 | AO03-1103 | Operating |
| 02/08/78 | AO03-4715A | Operating |
| 02/11/83 | AO03-63149 | Operating |
| 03/21/88 | AO03-141022 | Operating |
| 06/10/93 | AO03-222668 | Operating |

No. 2 Recovery Boiler (ID No. 019)

| <u>Permit Issue Date</u> | <u>Permit Number</u> | <u>Type Permit</u> |
|--------------------------|----------------------|--------------------|
| 12/03/73 | AO03-2004 | Operating |
| 02/01/79 | AO03-14875A | Operating |
| 01/13/84 | AO03-78464 | Operating |
| 01/30/89 | AO03-156517 | Operating |
| 02/11/94 | AO03-240555 | Operating |

No. 2 Dissolving Tank Vent (ID No. 020)

| <u>Permit Issue Date</u> | <u>Permit Number</u> | <u>Type Permit</u> |
|--------------------------|----------------------|--------------------|
| 12/03/73 | AO03-2005 | Operating |
| 02/01/79 | AO03-14871A | Operating |
| 01/13/84 | AO03-78549 | Operating |
| 01/30/89 | AO03-156518 | Operating |
| 02/11/94 | AO03-240550 | Operating |

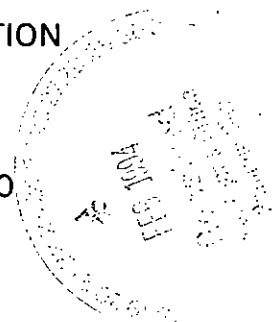
****All Emission Units now covered in the Title V operating permit
No. 0050009-002-AV Issue Date: 06/28/2000**

STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
NOTICE OF PERMIT ISSUANCE

CERTIFIED MAIL

In the matter of an
Application for Permit
By:
Jack B. Prescott
General Manager
Stone Container Corporation
Post Office Box 2560
Panama City, Florida 32401

DEP File No.: AO03-240550
Bay County



Enclosed is Permit Number AO03-240550 to operate the No. 2 Smelt Dissolving Tank at your Bay County facility, issued pursuant to Section 403.087, Florida Statutes.

A person whose substantial interests are affected by this permit may petition for an administrative proceeding (hearing) in accordance with Section 120.57, Florida Statutes. The petition must contain the information set forth below and must be filed (received) in the Office of General Counsel of the Department at 2600 Blair Stone Road, Tallahassee 32399-2400, within 14 days of receipt of this Permit. Petitioner shall mail a copy of the petition to the applicant at the address indicated above at the time of filing. Failure to file a petition within this time period shall constitute a waiver of any right such person may have to request an administrative determination (hearing) under Section 120.57, Florida Statutes.

The Petition shall contain the following information;

(a) The name, address, and telephone number of each petitioner, the applicant's name and address, the Department Permit File Number and the county in which the project is proposed;

(b) A statement of how and when each petitioner received notice of the Department's action or proposed action;

(c) A statement of how each petitioner's substantial interests are affected by the Department's action or proposed action;

(d) A statement of the material facts disputed by petitioner, if any;

(e) A statement of facts which petitioner contends warrant reversal or modification of the Department's action or proposed action;

(f) A statement of which rules or statutes petitioner contends require reversal or modification of the Department's action or proposed action; and

(g) A statement of the relief sought by petitioner, stating precisely the action petitioner wants the Department to take with respect to the Department's action or proposed action.

If a petition is filed, the administrative hearing process is designed to formulate agency action. Accordingly, the Department's final action may be different from the position taken by it in this permit. Persons whose substantial interests will be affected by any decision of the Department with

regard to the application have the right to petition to become a party to the proceeding. The petition must conform to the requirements specified above and be filed (received) within 14 days of receipt of this notice in the Office of General Counsel at the above address of the Department. Failure to petition within the allowed time frame constitutes a waiver of any right such person has to request a hearing under Section 120.57, Florida Statutes, and to participate as a party to this proceeding. Any subsequent intervention will only be at the approval of the presiding officer upon motion filed pursuant to Rule 28-5.207, F.A.C.

This permit is final and effective on the date filed with the Clerk of the Department unless a petition is filed in accordance with the above paragraphs or unless a request for extension of time in which to file a petition is filed within the time specified for filing a petition and conforms to Rule 17-103.070, F.A.C. Upon timely filing of a petition or a request for an extension of time this permit will not be effective until further Order of the Department.

When the Order (Permit) is final, any party to the Order has the right to seek judicial review of the Order pursuant to Section 120.68, Florida Statutes, by the filing of a Notice of Appeal pursuant to Rule 9.110, Florida Rules of Appellate Procedure, with the Clerk of the Department in the Office of General Counsel, 2600 Blair Stone Road, Tallahassee, Florida 32399-2400; and by filing a copy of the Notice of Appeal accompanied by the applicable filing fees with the appropriate District Court of Appeal. The Notice of Appeal must be filed within 30 days from the date the Final Order is filed with the Clerk of the Department.

Executed in Pensacola, Florida.

State of Florida Department
of Environmental Protection


BOBBY A. COOLEY
District Director

160 Governmental Center
Pensacola, Florida 32501-5794
(904) 444-8300

CERTIFICATE OF SERVICE

The undersigned duly designated deputy agency clerk hereby certifies that this NOTICE OF PERMIT ISSUANCE and all copies were mailed by certified mail before the close of business on February 22, 1994 to the listed persons.

FILING AND ACKNOWLEDGMENT FILED,
on this date, pursuant to §120.52(9),
Florida Statutes, with the designated
Department clerk, receipt of which is
hereby acknowledged.


Clerk

2/22/94
Date

Copies furnished to:
L. D. Riley, Jr.
DEP Panama City Branch Office



Lawton Chiles
Governor

Florida Department of Environmental Protection

Northwest District
160 Governmental Center
Pensacola, Florida 32501-5794

Virginia B. Wetherell
Secretary

PERMITTEE:

Stone Container Corporation

I.D. Number: 10PCY03000920
Permit/Certification Number: AO03-240550
Date of Issue: February 17, 1994
Expiration Date: December 31, 1998
County: Bay
Latitude/Longitude: 30°08'30"N/85°37'15W
Project: Operation of No. 2 Smelt
Dissolving Tank

This permit is issued under the provisions of Section 403.087, Florida Statutes, and Florida Administrative Code Rules 17-296, 17-297 and 17-4. The above named applicant, hereinafter called Permittee, is hereby authorized to perform the work or operate the facility shown on the application and approved drawing(s), plans, and other documents attached hereto or on file with the Department and made a part hereof and specifically described as follows:

Operation of the No. 2 Smelt Dissolving Tank at a maximum operating rate equal to the maximum allowed operating rate of the No. 2 Recovery Boiler which is 123,700 pounds Black Liquor Solids per hour. Smelt from the recovery boiler is dissolved generating steam. Particulate emissions are controlled by demister pads made by Otto H. York Company; total reduced sulfur (TRS) emissions are controlled by weak wash sprays. The flow rate of the weak wash sprays is monitored as a surrogate compliance parameter.

Located at No. 1 Everitt Avenue, Parker (Panama City).

Specific Condition No. 2 establishes a maximum operating and testing rate.

Specific Condition No. 4 establishes allowable emission rates.

Specific Condition No. 5 establishes compliance testing requirements.

Specific Condition No. 6 requires surrogate parameter monitoring for TRS emissions.

Specific Condition No. 8 requires the annual submission of an annual operation report.

Specific Condition No. 9 requires the annual submission of an Annual Operation Fee Form.

Specific Condition No. 11 requires submission of a renewal application prior to October 31, 1998.

PERMITTEE:
Stone Container Corporation

I.D. Number: 10PCY03000920
Permit/Certification Number: A003-240550
Date of Issue: February 17, 1994
Expiration Date: December 31, 1998

SPECIFIC CONDITIONS:

1. The attached General Conditions are part of this permit.
2. The maximum allowable operating rate is 123,700 lbs/hr Black Liquor Solids fed to Recovery Boiler No. 2. This is the operating rate at which compliance with standards shall be demonstrated. Testing of emissions shall be conducted with the source operating at capacity. Capacity is defined as 90 to 100% of rated capacity. If it is impracticable to test at capacity, then sources may be tested at less than capacity; if the source is tested at less than capacity subsequent source operation is limited to 110% of the test load until a new test is conducted. Once the unit is so limited, then operation at higher capacity is allowed for no more than fifteen days for purposes of additional compliance testing to regain the rated capacity in the permit with prior notification to the Department.
3. The maximum hours of operation are 24 hours/day, 7 days/week, and 52 weeks/year. The Permittee shall maintain an operation log available for Department inspection certifying the total hours of operation annually.
4. The maximum allowable emission rate for each pollutant is as follows:

| <u>Pollutant</u> | <u>FAC Rule</u> | <u>Allowable Emissions</u> |
|------------------|------------------|-------------------------------------|
| PM | 17-296.310 | 28.52 lbs/hour*1 |
| TRS | 17-296.404(3)(d) | 1.80 lbs/hour as H ₂ S*2 |
| VE | 17-296.310 | 20% opacity |

* Max capped by previous permit

- 1 At operating rates less than 56,600 pounds of smelt and weak wash solids per hour particulate emissions shall not exceed the amount allowed by FAC Rule 17-296.310.
- 2 At operating rates less than 112,500 pounds per hour of black liquor solids TRS emissions shall not exceed 0.0480 pounds of TRS per 3000 pounds of black liquor solids.

5. Emissions tests for the following pollutants shall be performed between June 1 and July 31, in accordance with the test methods and frequency indicated, with notification to the Department 15 days prior to testing. The test results must provide reasonable assurance that the source is capable of compliance at the permitted maximum operating rate. For good cause, the Permittee may request an extension of a compliance test due date. However, inadequate planning of testing does not constitute good cause for an extension of the compliance test due date. The test report documentation must be submitted to the Department within 45 days after completion of testing.

| <u>Pollutant</u> | <u>Frequency</u> | <u>Test Method</u> |
|------------------|------------------|----------------------------|
| PM | annually | EPA method 5 |
| VE | annually | DEP method 9 |
| TRS | annually | EPA method 16, 16a, or 16b |

The VE test shall be conducted during one of the P.M. test runs. Test reports shall comply with F.A.C. Rule 17-297.570, Test Reports. The Department can require special compliance tests in accordance with F.A.C. Rule 17-297.340(2).

PERMITTEE:

Stone Container Corporation

I.D. Number: 10PCY03000920

Permit/Certification Number: A003-240550

Date of Issue: February 17, 1994

Expiration Date: December 31, 1998

SPECIFIC CONDITIONS:

6. Weak wash spray flow rate shall be used as a surrogate parameter to assure continuous compliance with the TRS emissions standard in lieu of a TRS continuous emissions monitor in accordance with FAC Rule 17-297.500(3)(d). The set point for the weak wash flow shall not be lower than 40.8 gallons per minute. Corrective actions shall be taken with entries in a written log for all individual values below 24.0 gallons per minute. Values below 15.6 gallons per minute shall be reported as excess emissions with action taken to avoid recurrence. An excess emissions report shall be submitted to the Department quarterly (postmarked by the 30th day following the end of each calendar quarter) in accordance with FAC Rule 17-.500(4).
7. Satisfactory ladders, platforms, and other safety devices as well as necessary parts shall be provided, maintained, and made available as necessary to facilitate compliance inspections.
8. An annual operation report [DEP Form 17-210.900(4) attached] shall be submitted by March 1 each year. The attached form shall be reproduced by the Permittee and used for future annual submittals.
9. In accordance with F.A.C. Rule 17-213, a Major Air Pollution Source Annual Operation Fee Form [DEP Form 17-213.900(11) attached] must be completed and submitted with appropriate fee between January 15 and March 1 of each year. If the Department has not received the fee payment by March 1, the Department shall impose, in addition to the fee, a penalty of 50 percent of the amount of the fee, plus interest on such amount computed in accordance with s.220.807, Florida Statutes. The Department may revoke any major air pollution source operation permit if it finds that the permit holder has failed to pay timely and required annual operation license fee, penalty or interest. The attached form shall be reproduced by the Permittee and used for future annual submittals. The completed form and appropriate fees must be submitted to the Department of Environmental Protection, Title V (Facility I.D. Number), 2600 Blair Stone Road, Tallahassee, Florida 32399-2400.
10. This source shall be operated in such a fashion so as to preclude objectionable odors.
11. An application to renew this permit shall be submitted prior to October 31, 1998.
12. The permanent source identification number for this point source is 10PCY03000920. Please cite this number on all test reports and other correspondence specific to this permitted point source.

PERMITTEE:

Stone Container Corporation

I.D. Number: 10PCY03000920
Permit/Certification Number: A003-240550
Date of Issue: February 17, 1994
Expiration Date: December 31, 1998

SPECIFIC CONDITIONS:

13. The Department telephone number for reporting problems, malfunctions or exceedances under this permit is (904) 444-8300, day or night, and for emergencies involving a significant threat to human health or the environment is (904) 488-1320. For routine business, use telephone number (904) 872-4375 during normal working hours.

Expiration Date:

December 31, 1998

Issued this 17th day of February,
1994.

STATE OF FLORIDA DEPARTMENT
OF ENVIRONMENTAL PROTECTION


BOBBY A. COOLEY
District Director

PERMITTEE:

Stone Container Corporation

I.D. Number: 10PCY03000920

Permit/Certification Number: AO03-240550

Date of Issue: February 17, 1994

Expiration Date: December 31, 1998

GENERAL CONDITIONS:

1. The terms, conditions, requirements, limitations, and restrictions set forth in this permit are "permit conditions", and are binding and enforceable pursuant to Sections 403.141, 403.727, or 403.859 through 403.861, Florida Statutes. The Permittee is placed on notice that the Department will review this permit periodically and may initiate enforcement action for any violation of these conditions.
2. This permit is valid only for the specific processes and operations applied for and indicated in the approved drawings or exhibits. Any unauthorized deviation from the approved drawings, exhibits, specifications, or conditions of this permit may constitute grounds for revocation and enforcement action by the Department.
3. As provided in Subsections 403.087(6) and 403.722(5), Florida Statutes, the issuance of this permit does not convey any vested rights or any exclusive privileges. Nor does it authorize any injury to public or private property or any invasion of personal rights, nor any infringement of federal, state or local laws or regulations. This permit does not constitute a waiver of or approval of any other Department permit that may be required for other aspects of the total project which are not addressed in the permit.
4. This permit conveys no title to land or water, does not constitute state recognition or acknowledgment of title, and does not constitute authority for the use of submerged lands unless herein provided and the necessary title or leasehold interests have been obtained from the state. Only the Trustees of the Internal Improvement Trust Fund may express state opinion as to title.
5. This permit does not relieve the Permittee from liability for harm or injury to human health or welfare, animal, or plant life, or property caused by the construction or operation of this permitted source, or from penalties therefore; nor does it allow the Permittee to cause pollution in contravention of Florida Statutes and Department rules, unless specifically authorized by an order from the Department.
6. The Permittee shall properly operate and maintain the facility and systems of treatment and control (and related appurtenances) that are installed and used by the Permittee to achieve compliance with the conditions of this permit, are required by Department rules. This provision includes the operation of backup or auxiliary facilities or similar systems when necessary to achieve compliance with the conditions of the permit and when required by Department rules.
7. The Permittee, by accepting this permit, specifically agrees to allow authorized Department personnel, upon presentation of credentials or other documents as may be required by law, access to the premises, at reasonable times, where the permitted activity is located or conducted for the purpose of:
 - a. Having access to and copying any records that must be kept under the conditions of this permit;
 - b. Inspecting the facility, equipment, practices, or operations regulated or required under this permit; and,

PERMITTEE:

Stone Container Corporation

I.D. Number: 10PCY03000920

Permit/Certification Number: A003-240550

Date of Issue: February 17, 1994

Expiration Date: December 31, 1998

GENERAL CONDITIONS:

c. Sampling or monitoring any substances or parameters at any location reasonably necessary to assure compliance with this permit or Department rules.

Reasonable time may depend on the nature of the concern being investigated.

8. If, for any reason, the Permittee does not comply with or will be unable to comply with any condition or limitation specified in this permit, the Permittee shall immediately provide the Department with the following information:

a. A description of and cause of noncompliance; and

b. The period of noncompliance, including exact dates and times; or, if not corrected, the anticipated time the noncompliance is expected to continue, and steps being taken to reduce, eliminate, and prevent recurrence of the noncompliance. The Permittee shall be responsible for any and all damages which may result and may be subject to enforcement action by the Department for penalties or for revocation of this permit.

9. In accepting this permit, the Permittee understands and agrees that all records, notes, monitoring data and other information relating to the construction or operation of this permitted source which are submitted to the Department may be used by the Department as evidence in any enforcement case involving the permitted source arising under the Florida Statutes or Department rules, except where such use is proscribed by Sections 403.73 and 403.111, Florida Statutes. Such evidence shall only be used to the extent it is consistent with Florida Rules of Civil Procedure and appropriate evidentiary rules.

10. The Permittee agrees to comply with changes in Department rules and Florida Statutes after a reasonable time for compliance, provided however, the Permittee does not waive any other rights granted by Florida Statutes or Department rules.

11. This permit is transferable only upon Department approval in accordance with Florida Administrative Code Rules 17-4.120 and 17-730.300, as applicable. The Permittee shall be liable for any noncompliance of the permitted activity until the transfer is approved by the Department.

12. This permit is required to be kept at the work site of the permitted activity during the entire period of construction or operation.

13. The Permittee shall comply with the following:

a. Upon request, the Permittee shall furnish all records and plans required under Department rules. During enforcement actions, the retention period for all records will be extended automatically unless otherwise stipulated by the Department.

b. The Permittee shall hold at the facility or other location designated by this permit records of all monitoring information (including all calibration and maintenance records and all original strip chart recordings for continuous

PERMITTEE:

Stone Container Corporation

I.D. Number: 10PCY03000920

Permit/Certification Number: AO03-240550

Date of Issue: February 17, 1994

Expiration Date: December 31, 1998

GENERAL CONDITIONS:

monitoring instrumentation) required by the permit, copies of all reports required by this permit, and records of all data used to complete the application for this permit. These materials shall be retained at least three years from the date of the sample, measurement, report or application unless otherwise specified by Department rule.

c. Records of monitoring information shall include:

- the date, exact place, and time of sampling or measurement;
- the person responsible for performing the sampling or measurement;
- the date(s) analyses were performed;
- the person responsible for performing the analyses;
- the analytical techniques or methods used; and
- the results of such analyses.

14. When requested by the Department, the Permittee shall within a reasonable time furnish any information required by law which is needed to determine compliance with the permit. If the Permittee becomes aware the relevant facts were not submitted or were incorrect in the permit application or in any report to the Department, such facts or information shall be corrected promptly.

THE STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL REGULATION
NOTICE OF PERMIT

Mr. L. D. Riley, Jr.
Environmental Superintendent
Stone Container Corporation
P. O. Box 2560
Panama City, Florida 32402

Enclosed is Permit Numbers AO03-156517 and 156518 to operate a Smelt Dissolving #2 and Recovery Boiler #2, issued pursuant to Section 403, Florida Statutes.

Persons whose substantial interests are affected by this permit have a right, pursuant to Section 120.57, Florida Statutes, to petition for an administrative determination (hearing) on it. The petition must conform to the requirements of Chapters 17-103 and 28-5.201, FAC, and must be filed (received) in the Department's Office of General Counsel, 2600 Blair Stone Road, Tallahassee 32301, within fourteen (14) days of receipt of this notice. Failure to file a petition within the fourteen (14) days constitutes a waiver of any right such person has to an administrative determination (hearing) pursuant to Section 120.57, Florida Statutes. This permit is final and effective on the date filed with the Clerk of the Department unless a request for extension of time in which to file a petition is filed within the time specified for filing a petition and conforms to Rule 17-103.070, FAC. Upon timely filing of a petition or a request for an extension of time this permit will not be effective until further Order of the Department.

When the Order (Permit) is final, any party to the Order has the right to seek judicial review of the Order pursuant to Section 120.68, Florida Statutes, by the filing of a Notice of Appeal pursuant to Rule 9.110, Florida Rules of Appellate Procedure, with the Clerk of the Department in the Office of General Counsel, 2600 Blair Stone Road, Tallahassee, Florida 32301; and by filing a copy of the Notice of Appeal accompanied by the applicable filing fees with the appropriate District Court of Appeal. The Notice of Appeal must be filed within 30 days from the date the Final Order is filed with the Clerk of the Department.

Executed in Pensacola, Florida.

STATE OF FLORIDA DEPARTMENT
OF ENVIRONMENTAL REGULATION



Robert V. Kriegel
Deputy Assistant Secretary

160 Governmental Center
Pensacola, Florida 32501-5794
(904)436-8300

Copies furnished to:

N.W. District DER, P.C. Branch Office

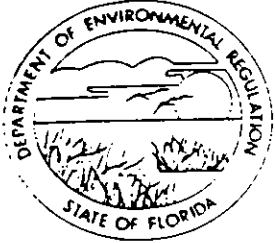
CERTIFICATE OF SERVICE

This is to certify that this NOTICE OF PERMIT and all copies were mailed before the close of business on January 31, 1989 to the listed persons.

FILING AND ACKNOWLEDGEMENT FILED, on this date, pursuant to §120.52(10), Florida Statutes, with the designated Department Clerk, receipt of which is hereby acknowledged.

Mary E. Luecht
Clerk

1/31/89
Date



Florida Department of Environmental Regulation

Northwest District • 160 Governmental Center • Pensacola, Florida 32501-5794 • 904-436-8300

Bob Martinez, Governor

Dale Twachtmann, Secretary

John Shearer, Assistant Secretary
Robert Kriegel, Deputy Assistant Secretary

PERMITTEE:

Stone Container Corporation

I.D. Number: 10PCY03000920

Permit/Certification Number: A003-156517

Date of Issue: JAN 30 1989

Expiration Date: January 1, 1994

County: Bay

Latitude/Longitude: 30°08'30"N/85°37'15"W

Section/Township/Range: Parker 4S/14W

Project: Smelt Dissolving #2

This permit is issued under the provisions of Section 403, Florida Statutes, and Florida Administrative Code Rules 17-2 and 17-4. The above named applicant, hereinafter called Permittee, is hereby authorized to perform the work or operate the facility shown on the application and approved drawing(s), plans, and other documents attached hereto or on file with the department and made a part hereof and specifically described as follows:

Operation of Smelt dissolving #2; smelt from recovery boiler #2 is dissolved in weak wash to yield green liquor. The maximum allowed operation rate of this process is equal to the maximum allowed operating rate of recovery boiler #2 of 123,700 pounds of black liquor solids per hour. The molten smelt creates steam which carries out liquid containing particulates as it evolves. Particulate emissions are controlled by demister pads made by Otto H. York Company. Total reduced sulfur (TRS) emissions are controlled by weak wash sprays. The flow rate of the weak wash shall be continuously monitored as a surrogate parameter assuring compliance with the TRS emissions standard.

Located: #1 Everett Avenue, Parker (Panama City).

This smelt dissolver has demonstrated compliance with the TRS standards of Florida Administrative Code (FAC) Rules 17-2.600(4)(c)4.a. and 17-2.710(3)(d). Compliance schedules of Florida Administrative Code Rule 17-2.960 and interim period operations are no longer applicable.

PERMITTEE:

Stone Container Corporation

I.D. Number: 10PCY03000920

Permit/Certification Number: A003-156517

Date of Issue: JAN 30 1989

Expiration Date: January 1, 1994

GENERAL CONDITIONS:

1. The terms, conditions, requirements, limitations, and restrictions set forth herein are "Permit Conditions", and as such are binding upon the permittee and enforceable pursuant to the authority of Sections 403.161, 403.727, or 403.859 through 403.861, Florida Statutes. The permittee is hereby placed on notice that the Department will review this permit periodically and may initiate enforcement action for any violation of the "Permit Conditions" by the permittee, its agents, employees, servants or representatives.
2. This permit is valid only for the specific processes and operations applied for and indicated in the approved drawings or exhibits. Any unauthorized deviation from the approved drawings, exhibits, specifications, or conditions of this permit may constitute grounds for revocation and enforcement action by the department.
3. As provided in Subsections 403.087(6) and 403.722(5), Florida Statutes, the issuance of this permit does not convey any vested rights or any exclusive privileges. Nor does it authorize any injury to public or private property or any invasion of personal rights, nor any infringement of federal, state or local laws or regulations. This permit does not constitute a waiver of or approval of any other department permit that may be required for other aspects of the total project which are not addressed in the permit.
4. This permit conveys no title to land or water, does not constitute state recognition or acknowledgement of title, and does not constitute authority for the use of submerged lands unless herein provided and the necessary title or leasehold interests have been obtained from the state. Only the Trustees of the Internal Improvement Trust Fund may express state opinion as to title.
5. This permit does not relieve the permittee from liability for harm or injury to human health or welfare, animal, plant or aquatic life or property and penalties therefor caused by the construction or operation of this permitted source, nor does it allow the permittee to cause pollution in contravention of Florida Statutes and department rules, unless specifically authorized by an order from the department.
6. The permittee shall at all times properly operate and maintain the facility and systems of treatment and control (and related appurtenances) that are installed or used by the permittee to achieve compliance with the conditions of this permit, as required by department rules. This provision includes the operation of backup or auxiliary facilities or similar systems when necessary to achieve compliance with the conditions of the permit and when required by department rules.

PERMITTEE:

Stone Container Corporation

I.D. Number: 10PCY03000920

Permit/Certification Number: A003-156517

Date of Issue: JAN 30 1989

Expiration Date: January 1, 1994

GENERAL CONDITIONS:

7. The permittee, by accepting this permit, specifically agrees to allow authorized department personnel, upon presentation of credentials or other documents as may be required by law, access to the premises, at reasonable times, where the permitted activity is located or conducted for the purpose of:

- a. Having access to and copying any records that must be kept under the conditions of this permit;
- b. Inspecting the facility, equipment, practices, or operations regulated or required under this permit; and,
- c. Sampling or monitoring any substances or parameters at any location reasonably necessary to assure compliance with this permit or department rules.

Reasonable time may depend on the nature of the concern being investigated.

8. If, for any reason, the permittee does not comply with or will be unable to comply with any condition or limitation specified in this permit, the permittee shall immediately notify and provide the department with the following information:

- a. A description of and cause of noncompliance; and
- b. The period of noncompliance, including exact dates and times; or, if not corrected, the anticipated time the noncompliance is expected to continue, and steps being taken to reduce, eliminate, and prevent recurrence of the noncompliance.

The permittee shall be responsible for any and all damages which may result and may be subject to enforcement action by the department for penalties or revocation of this permit.

9. In accepting this permit, the permittee understands and agrees that all records, notes, monitoring data and other information relating to the construction or operation of this permitted source, which are submitted to the department, may be used by the department as evidence in any enforcement case arising under the Florida Statutes or department rules, except where such use is proscribed by Sections 403.73 and 403.111, Florida Statutes.

PERMITTEE:

Stone Container Corporation

I.D. Number: 10PCY03000920

Permit/Certification Number: A003-156517

Date of Issue: JAN 30 1993

Expiration Date: January 1, 1994

GENERAL CONDITIONS:

10. The permittee agrees to comply with changes in department rules and Florida Statutes after a reasonable time for compliance, provided however, the permittee does not waive any other rights granted by Florida Statutes or department rules.

11. This permit is transferable only upon department approval in accordance with Florida Administrative Code Rules 17-4.12 and 17-30.30, as applicable. The permittee shall be liable for any noncompliance of the permitted activity until the transfer is approved by the department.

12. This permit is required to be kept at the work site of the permitted activity during the entire period of construction or operation.

13. The permittee shall comply with the following monitoring and record keeping requirements:

- a. Upon request, the permittee shall furnish all records and plans under department rules. The retention period for all records will be extended automatically, unless otherwise stipulated by the department, during the course of any unresolved enforcement action.
- b. The permittee shall retain at the facility or other location designated by this permit records of all monitoring information (including all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation), copies of all reports required by this permit, and records of all data used to complete the application for this permit. The time period of retention shall be at least three years from the date of the sample, measurement, report or application unless otherwise specified by department rule.
- c. Records of monitoring information shall include:
 - the date, exact place, and time of sampling or measurement;
 - the person responsible for performing the sampling or measurement;
 - the date(s) analyses were performed;
 - the person responsible for performing the analyses;
 - the analytical techniques or methods used; and
 - the results of such analyses.

PERMITTEE:

Stone Container Corporation

I.D. Number: 10PCY03000920

Permit/Certification Number: A003-156517

Date of Issue: JAN 30 1989

Expiration Date: January 1, 1994

GENERAL CONDITIONS:

14. When requested by the department, the permittee shall within a reasonable time furnish any information required by law which is needed to determine compliance with the permit. If the permittee becomes aware that relevant facts were not submitted or were incorrect in the permit application or in any report to the department, such facts or information shall be submitted or corrected promptly.

SPECIFIC CONDITIONS:

15. The maximum allowable operating rate is 53,328 pounds of smelt (as is) and 8,906 pounds of weak wash solids (as is) per hour. This is the operating rate at which compliance with standards shall be demonstrated. This maximum allowable operating rate is equivalent to 123,700 pounds of black liquor solids fed to Recovery Boiler #2.

16. Visible emissions shall not exceed 20% opacity under normal operating conditions.

17. Particulate emissions shall not exceed 28.52 pounds per hour at the operating rate of 56,600 pounds of smelt and weak wash solids per hour or higher. At lesser operating rates the particulate emissions shall not exceed the amount shown in the Process Weight Table 610-1 or that calculated from the appropriate equation of Section 17-2.610(1), Florida Administrative Code.

18. TRS emissions shall not exceed 1.80 pounds per hour at 112,500 pounds per hour of black liquor solids fed to Recovery Boiler #2 or higher. At lesser operating rates these emissions shall not exceed 0.0480 pounds of TRS per 3000 pounds of black liquor solids.

19. Weak wash spray flow rate shall be used as a surrogate parameter to assure continuous compliance with the TRS emissions standard in lieu of a TRS continuous emissions monitor. The set point for the weak wash flow shall not be lower than 40.8 gallons per minute. Corrective actions shall be taken with entries in a written log for all individual valves below 24.0 gallons per minute. Valves below 15.6 gallons per minute shall be reported as excess emissions with action taken to avoid recurrence. An excess emissions report shall be submitted to the Department quarterly (postmarked by the 30th day following the end of each calendar quarter) in accordance with Florida Administrative Code Rule 17-2.710(4).

A record of this surrogate parameter data collected during the TRS annual compliance test (condition 20) shall be submitted as part of the results of such test.

PERMITTEE:

Stone Container Corporation

I.D. Number: 10PCY03000920

Permit/Certification Number: A003-156517

Date of Issue: JAN 30 1989

Expiration Date: January 1, 1994

SPECIFIC CONDITIONS:

20. Particulates, TRS and visible emission tests are required to show continuing compliance with the standards of the Department. The test results must provide reasonable assurance that the source is capable of compliance at the permitted maximum operating rate. Tests shall be conducted in accordance with EPA Methods 1, 2, 3, 5, 16 and 9. Such tests shall be conducted once per year before the end of September. Results shall be submitted to the Department within 45 days after testing. The Department shall be notified at least 15 days prior to testing to allow witnessing.

21. An annual operation report (DER Form 17-1.202(6) attached) shall be submitted by March 1 each year. The attached form shall be reproduced by the permittee and used for future annual submittals.

22. An application to renew this permit shall be submitted prior to November 1, 1993.

23. The permanent source identification number for this point source is 10PCY03000920. Please cite this number on all test reports and other correspondence specific to this permitted point source.

Expiration date:

January 1, 1994

Issued this

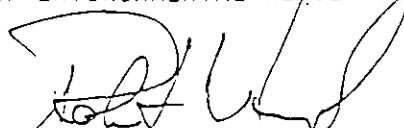
30th

day of

Jan

1989.

STATE OF FLORIDA DEPARTMENT
OF ENVIRONMENTAL REGULATION



ROBERT V. KRIEGEL
Deputy Assistant Secretary



STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL REGULATION
AIR POLLUTION SOURCES
CERTIFICATE OF COMPLETION OF CONSTRUCTION*

PERMIT NO. _____ DATE: _____

Company Name: _____ County: _____

Source Identification(s): _____

Actual costs of serving pollution control purpose: \$ _____

Operating Rates: _____ Design Capacity: _____

Expected Normal _____ During Compliance Test _____

Date of Compliance Test: _____ (Attach detailed test report)

| Test Results: | Pollutant | Actual Discharge | Allowed Discharge |
|---------------|-----------|------------------|-------------------|
| | _____ | _____ | _____ |
| | _____ | _____ | _____ |
| | _____ | _____ | _____ |

Date plant placed in operation: _____

This is to certify that, with the exception of deviations noted**, the construction of the project has been completed in accordance with the application to construct and Construction Permit No. _____ dated _____.

A. Applicant:

Name of Person Signing (Type) Signature of Owner or Authorized Representative and Title

Date: _____ Telephone: _____

B. Professional Engineer:

Name of Person Signing (Type) Signature of Professional Engineer

Company Name Florida Registration No. _____

Date: _____

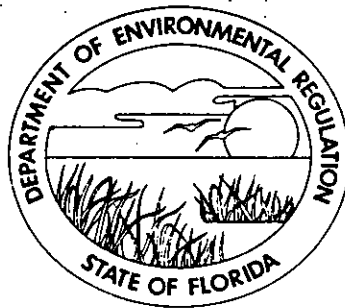
(Seal)

Mailing Address

Telephone Number

*This form, satisfactorily completed, submitted in conjunction with an existing application to construct permit and payment of application processing fee will be accepted in lieu of an application to operate.

** As built, if not built as indicated include process flow sketch, plot plan sketch, and updates of applicable pages of application form.



STATE OF FLORIDA
DEPARTMENT OF
ENVIRONMENTAL REGULATION

SOUTHWEST FOREST INDUSTRIES
BAY COUNTY
SMELT DISSOLVING #2

OPERATION
PERMIT

NO. AC03-78459

DATE OF ISSUANCE

January 13, 1984

DATE OF MODIFICATION

July 25, 1986

DATE OF EXPIRATION

January 1, 1989

ROBERT V. KRIEGEL
District Manager

DEPARTMENT OF ENVIRONMENTAL REGULATION

NORTHWEST DISTRICT

160 GOVERNMENTAL CENTER
PENSACOLA, FLORIDA 32501-5794



BOB GRAHAM
GOVERNOR

VICTORIA J. TSCHINKEL
SECRETARY

ROBERT V. KRIEDEL
DISTRICT MANAGER

PERMITTEE:

Southwest Forest
Industries

I.D. Number: 10/03/0009/20
Permit/Certification Number: A003-78459
Date of Issue: January 13, 1984
Date of Modification: JUL 25 1986

Expiration Date: January 1, 1989
County: Bay
Latitude/Longitude: 30°08'30"N/85°37'15"W
Section/Township/Range: Parker/4S/14W
Project: Smelt Dissolving #2

This permit is issued under the provisions of Chapter 403, Florida Statutes, and Florida Administrative Code Rules 17-2 and 17-4. The above named applicant, hereinafter called Permittee, is hereby authorized to perform the work or operate the facility shown on the application and approved drawing(s), plans, and other documents attached hereto or on file with the department and made a part hereof and specifically described as follows:

Operation of Smelt Dissolving #2; 48,500 pounds per hour of smelt (36,375 pounds Na_2CO_3 and 12,125 pounds Na_2S) from Recovery Boiler #2 are dissolved in weak wash containing 8,100 pounds per hour of salts to yield green liquor. The molten smelt creates steam which carries out liquid as it evolves. Particulate emissions are controlled by demister pads made by Otto H. York Company. Total Reduced Sulfur (TRS) emissions are controlled by scrubber water applied to demister pads.

Located: #1 Everett Avenue, Parker (Panama City).

This smelt dissolver shall be subject to TRS emission standards of Florida Administrative Code (FAC) Rule 17-2.600(4)(c)4.a., Continuous Emission Monitoring requirements of FAC Rule 17-2.710(3)(d) and the Compliance Schedules of FAC Rule 17-2.960(1).

PERMITTEE:

Southwest Forest Industries

I.D. Number: 10/03/0009/20

Permit/Certification Number: A003-78459

Date of Issue: January 13, 1984

Date of Modification: JUL 25 1986

Expiration Date: January 1, 1989

GENERAL CONDITIONS:

1. The terms, conditions, requirements, limitations, and restrictions set forth herein are "Permit Conditions", and as such are binding upon the permittee and enforceable pursuant to the authority of Sections 403.161, 403.727, or 403.859 through 403.861, Florida Statutes. The permittee is hereby placed on notice that the Department will review this permit periodically and may initiate enforcement action for any violation of the "Permit Conditions" by the permittee, its agents, employees, servants or representatives.
2. This permit is valid only for the specific processes and operations applied for and indicated in the approved drawings or exhibits. Any unauthorized deviation from the approved drawings, exhibits, specifications, or conditions of this permit may constitute grounds for revocation and enforcement action by the department.
3. As provided in Subsections 403.087(6) and 403.722(5), Florida Statutes, the issuance of this permit does not convey any vested rights or any exclusive privileges. Nor does it authorize any injury to public or private property or any invasion of personal rights, nor any infringement of federal, state or local laws or regulations. This permit does not constitute a waiver of or approval of any other department permit that may be required for other aspects of the total project which are not addressed in the permit.
4. This permit conveys no title to land or water, does not constitute state recognition or acknowledgement of title, and does not constitute authority for the use of submerged lands unless herein provided and the necessary title or leasehold interests have been obtained from the state. Only the Trustees of the Internal Improvement Trust Fund may express state opinion as to title.
5. This permit does not relieve the permittee from liability for harm or injury to human health or welfare, animal, plant or aquatic life or property and penalties therefore caused by the construction or operation of this permitted source, nor does it allow the permittee to cause pollution in contravention of Florida Statutes and department rules, unless specifically authorized by an order from the department.
6. The permittee shall at all times properly operate and maintain the facility and systems of treatment and control (and related appurtenances) that are installed or used by the permittee to achieve compliance with the conditions of this permit, as required by department rules. This provision includes the operation of backup or auxiliary facilities or similar systems when necessary to achieve compliance with the conditions of the permit and when required by department rules.

PERMITTEE: I.D. Number: 10/03/0009/20
Southwest Forest Industries Permit/Certification Number: A003-78459
Date of Issue: January 13, 1984
Date of Modification: JUL 25 1986
Expiration Date: January 1, 1989

GENERAL CONDITIONS:

7. The permittee, by accepting this permit, specifically agrees to allow authorized department personnel, upon presentation of credentials or other documents as may be required by law, access to the premises, at reasonable times, where the permitted activity is located or conducted for the purpose of:

- a. Having access to and copying any records that must be kept under the conditions of the permit;
- b. Inspecting the facility, equipment, practices, or operations regulated or required under this permit; and
- c. Sampling or monitoring any substances or parameters at any location reasonably necessary to assure compliance with this permit or department rules.

Reasonable time may depend on the nature of the concern being investigated.

8. If, for any reason, the permittee does not comply with or will be unable to comply with any condition or limitation specified in this permit, the permittee shall immediately notify and provide the department with the following information:

- a. A description of and cause of noncompliance; and
- b. The period of noncompliance, including exact dates and times; or, if not corrected, the anticipated time the noncompliance is expected to continue, and steps being taken to reduce, eliminate, and prevent recurrence of the noncompliance.

The permittee shall be responsible for any and all damages which may result and may be subject to enforcement action by the department for penalties or revocation of this permit.

9. In accepting this permit, the permittee understands and agrees that all records, notes, monitoring data and other information relating to the construction or operation of this permitted source, which are submitted to the department, may be used by the department as evidence in any enforcement case arising under the Florida Statutes or department rules, except where such use is proscribed by Sections 403.73 and 403.111, Florida Statutes.

PERMITTEE: Southwest Forest Industries
I.D. Number: 10/03/0009/20
Permit/Certification Number: A003-78459
Date of Issue: January 13, 1984
Date of Modifications: JUL 25 1986
Expiration Date: January 1, 1989

GENERAL CONDITIONS:

10. The permittee agrees to comply with changes in department rules and Florida Statutes after a reasonable time for compliance, provided however, the permittee does not waive any other rights granted by Florida Statutes or department rules.
11. This permit is transferable only upon department approval in accordance with Florida Administrative Code Rules 17-4.12 and 17-30.30, as applicable. The permittee shall be liable for any noncompliance of the permitted activity until the transfer is approved by the department.
12. This permit is required to be kept at the work site of the permitted activity during the entire period of construction or operation.
13. The permittee shall comply with the following monitoring and record keeping requirements:
 - a. Upon request, the permittee shall furnish all records and plans under department rules. The retention period for all records will be extended automatically, unless otherwise stipulated by the department, during the course of any unresolved enforcement action.
 - b. The permittee shall retain at the facility or other location designated by this permit records of all monitoring information (including all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation), copies of all reports required by this permit, and records of all data used to complete the application for this permit. The time period of retention shall be at least three years from the date of the sample, measurement, report or application unless otherwise specified by department rule.
 - c. Records of monitoring information shall include:
 - the date, exact place, and time of sampling or measurement;
 - the person responsible for performing the sampling or measurement;
 - the date(s) analyses were performed;
 - the person responsible for performing the analyses;
 - the analytical techniques or methods used; and
 - the results of such analyses.

PERMITTEE: I.D. Number: 10/03/0009/20
Southwest Forest Industries Permit/Certification Number: A003-78459
Date of Issue: January 13, 1984
Date of Modification: JUL 25 1986
Expiration Date: January 1, 1989

GENERAL CONDITIONS:

14. When requested by the department, the permittee shall within a reasonable time furnish any information required by law which is needed to determine compliance with the permit. If the permittee becomes aware that relevant facts were not submitted or were incorrect in the permit application or in any report to the department, such facts or information shall be submitted or corrected promptly.

SPECIFIC CONDITIONS:

15. The maximum allowable operating rate is 48,500 pounds of smelt (as is) and 8,100 pounds of weak wash solids (as is) per hour. This is the operating rate at which compliance with standards shall be demonstrated. This maximum allowable operating rate is equivalent to 112,500 pounds of black liquor solids fed to Recovery Boiler #2.

16. Visible emissions shall not exceed 20% opacity under normal operating conditions.

17. Particulate emissions shall not exceed 28.52 pounds per hour at the maximum allowable operating rate of 56,600 pounds of smelt and weak wash solids per hour. At lesser operating rates the particulate emissions shall not exceed the amount shown in the Process Weight Table 610-1 or that calculated from the appropriate equation of Section 17-2.610(1), Florida Administrative Code.

18. TRS emissions shall not exceed 1.80 pounds per hour at the maximum allowed operating rate of 112,500 pounds of black liquor solids per hour. At lesser operating rates these emissions shall not exceed 0.0480 pounds of TRS per 3,000 pounds of black liquor solids.

19. Particulates and visible emissions tests are required to show continuing compliance with the standards of the Department. The test results must provide reasonable assurance that the source is capable of compliance at the permitted maximum operating rate. Tests shall be conducted in accordance with EPA methods 1, 2, 3, 5 and 9. Such tests shall be conducted once per year before the end of September. Results shall be submitted to the Department within 45 days after testing. The Department shall be notified at least 15 days prior to testing to allow witnessing.

PERMITTEE: I.D. Number: 10/03/0009/20
Southwest Forest Industries Permit/Certification Number: A003-78459
Date of Issue: January 13, 1984
Date of Modification: JUL 25 1986
Expiration Date: January 1, 1989

SPECIFIC CONDITIONS:

20. TRS emission tests are required to show compliance with the standard (Condition 18). The test results must provide reasonable assurance that the source is capable of compliance at the permitted maximum operating rate. Tests shall be conducted in accordance with EPA method 16. Such tests shall be conducted as expeditiously as possible, but no later than six months after May 12, 1986, unless delayed by a schedule submitted in accordance with Condition 21 below. In conjunction with these tests, all control parameters data required to fulfill FAC Rule 17-2.710(3)(d) shall be recorded and submitted with a recommendation concerning frequency and method of monitoring parameters to assure continuing compliance with the TRS standard (Condition 18).

21. If continuing compliance with TRS emission standard is not demonstrated by tests and control parameters recommendation of Condition 20, the permittee shall submit an acceptable plan and schedule to achieve final compliance. This plan and schedule shall be submitted to the Department as expeditiously as possible but no later than six months after May 12, 1986. The plan and schedule shall specify the applicability of FAC Rule 17-2.960(1)(c) [final compliance prior to 18 months after May 12, 1986] or FAC Rule 17-2.960(1)(d) [final compliance prior to 36 months after May 12, 1986].

The plan and schedule shall conclude with TRS testing and compliance recommendation report required by Condition 20 as final proof of continuing compliance.

22. For emissions inventory purposes, the TRS emissions required to be met by this source on the date of final compliance is estimated to be less than 1.80 pounds per hour (7.88 tons/year).

Also for emissions inventory purposes, the TRS emissions during the interim period (prior to final compliance) are estimated to meet the standard and be less than 1.80 pounds per hour (7.88 tons/year).

23. An annual operation report (DER Form 17-1.202(6) attached) shall be submitted by March 1 each year. The attached form shall be reproduced by the permittee and used for future annual submittals.

24. The permanent source identification number for this point source is 10/03/0009/20. Please cite this number on all test reports and other correspondence specific to this permitted point source.

PERMITTEE:

Southwest Forest Industries

I.D. Number: 10/03/0009/20

Permit/Certification Number: A003-78459

Date of Issue: January 13, 1984

Date of Modification: JUL 25 1986

Expiration Date: January 1, 1989

SPECIFIC CONDITIONS:

Expiration Date:

January 1, 1989

Issued this 25 day of July,
1986.

STATE OF FLORIDA DEPARTMENT
OF ENVIRONMENTAL REGULATION

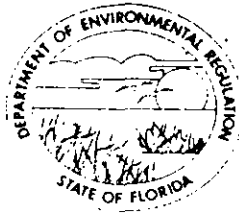
Norman L. Kriegel, for
ROBERT V. KRIEDEL
District Manager

STATE OF FLORIDA

DEPARTMENT OF ENVIRONMENTAL REGULATION

NORTHWEST DISTRICT

160 GOVERNMENTAL CENTER
PENSACOLA, FLORIDA 32501-5794



BOB GRAHAM
GOVERNOR

VICTORIA J. TSCHINKEL
SECRETARY

ROBERT V. KRIEDEL
DISTRICT MANAGER

July 25, 1986

Mr. J. F. Stewart
Vice-President & General Manager
Southwest Forest Industries
Post Office Box 2560
Panama City, Florida 32401

Dear Mr. Stewart:

By this letter, permit numbers AO03-63151, 78464, 63149, 78459, 63150, 90960 and 90958 are modified to include the following additional specific condition:

To comply with the requirements of FAC Rule 17-2.971(3)(b), the permittee shall continue to operate in the manner described in letter from L. D. Riley, Jr., dated July 16, 1986, to minimize TRS emissions during the interim period prior to final compliance.

This letter shall be attached to and made a part of each of the referenced permits.

Sincerely,

Robert V. Kriegel
District Manager

RVK/jpl

STATE OF FLORIDA

DEPARTMENT OF ENVIRONMENTAL REGULATION

NORTHWEST DISTRICT

160 GOVERNMENTAL CENTER
PENSACOLA, FLORIDA 32501-5794



BOB GRAHAM
GOVERNOR

VICTORIA J. TSCHINKEL
SECRETARY

ROBERT V. KRIEDEL
DISTRICT MANAGER

PERMITTEE:

Southwest Forest
Industries, Inc.

I.D. Number: 10/03/0009/20
Permit/Certification Number: A003-78459
Date of Issue: January 13, 1984

Expiration Date: January 1, 1989
County: Bay
Latitude/Longitude: 30°08'30"N/85°37'15"W
Section/Township/Range: Parker/4S/14W
Project: #2 Smelt Dissolving Tank

This permit is issued under the provisions of Chapter 403, Florida Statutes, and Florida Administrative Code Rules 17-2 and 17-4. The above named applicant, hereinafter called Permittee, is hereby authorized to perform the work or operate the facility shown on the application and approved drawing(s), plans, and other documents attached hereto or on file with the department and made a part hereof and specifically described as follows:

Operation of #2 Smelt Dissolving Tank, 48,500 pounds per hour of smelt (36,375 pounds Na_2CO_3 and 12,125 pounds Na_2S) from #2 recovery boiler are dissolved in weak wash containing 8,100 pounds per hour of salts to yield green liquor. The molten smelt creates steam which carries out liquid as it evolves. Particulate emissions are controlled by demister pads made by Otto H. York Company.

Located: #1 Everett Avenue, Parker (Panama City).

PERMITTEE:
Southwest Forest
Industries, Inc.

I.D. Number: 10/03/0009/20
Permit/Certification Number: A003-78459
Date of Issue: January 13, 1984

Expiration Date: January 1, 1989

GENERAL CONDITIONS:

1. The terms, conditions, requirements, limitations, and restrictions set forth herein are "Permit Conditions", and as such are binding upon the permittee and enforceable pursuant to the authority of Sections 403.161, 403.727, or 403.859 through 403.861, Florida Statutes. The permittee is hereby placed on notice that the Department will review this permit periodically and may initiate enforcement action for any violation of the "Permit Conditions" by the permittee, its agents, employees, servants or representatives.
2. This permit is valid only for the specific processes and operations applied for and indicated in the approved drawings or exhibits. Any unauthorized deviation from the approved drawings, exhibits, specifications, or conditions of this permit may constitute grounds for revocation and enforcement action by the department.
3. As provided in Subsections 403.087(6) and 403.722(5), Florida Statutes, the issuance of this permit does not convey any vested rights or any exclusive privileges. Nor does it authorize any injury to public or private property or any invasion of personal rights, nor any infringement of federal, state or local laws or regulations. This permit does not constitute a waiver of or approval of any other department permit that may be required for other aspects of the total project which are not addressed in the permit.
4. This permit conveys no title to land or water, does not constitute state recognition or acknowledgement of title, and does not constitute authority for the use of submerged lands unless herein provided and the necessary title or leasehold interests have been obtained from the state. Only the Trustees of the Internal Improvement Trust Fund may express state opinion as to title.
5. This permit does not relieve the permittee from liability for harm or injury to human health or welfare, animal, plant or aquatic life or property and penalties therefor caused by the construction or operation of this permitted source, nor does it allow the permittee to cause pollution in contravention of Florida Statutes and department rules, unless specifically authorized by an order from the department.
6. The permittee shall at all times properly operate and maintain the facility and systems of treatment and control (and related appurtenances) that are installed or used by the permittee to achieve compliance with the conditions of this permit, as required by department rules. This provision includes the operation of backup or auxiliary facilities or similar systems when necessary to achieve compliance with the conditions of the permit and when required by department rules.

PERMITTEE:
Southwest Forest
Industries, Inc.

I.D. Number: 10/03/0009/20
Permit/Certification Number: A003-78459
Date of Issue: January 13, 1984

Expiration Date: January 1, 1989

GENERAL CONDITIONS:

7. The permittee, by accepting this permit, specifically agrees to allow authorized department personnel, upon presentation of credentials or other documents as may be required by law, access to the premises, at reasonable times, where the permitted activity is located or conducted for the purpose of:

- a. Having access to and copying any records that must be kept under the conditions of the permit;
- b. Inspecting the facility, equipment, practices, or operations regulated or required under this permit; and
- c. Sampling or monitoring any substances or parameters at any location reasonably necessary to assure compliance with this permit or department rules.

Reasonable time may depend on the nature of the concern being investigated.

8. If, for any reason, the permittee does not comply with or will be unable to comply with any condition or limitation specified in this permit, the permittee shall immediately notify and provide the department with the following information:

- a. A description of and cause of noncompliance; and
- b. The period of noncompliance, including exact dates and times; or, if not corrected, the anticipated time the noncompliance is expected to continue, and steps being taken to reduce, eliminate, and prevent recurrence of the noncompliance.

The permittee shall be responsible for any and all damages which may result and may be subject to enforcement action by the department for penalties or revocation of this permit.

9. In accepting this permit, the permittee understands and agrees that all records, notes, monitoring data and other information relating to the construction or operation of this permitted source, which are submitted to the department, may be used by the department as evidence in any enforcement case arising under the Florida Statutes or department rules, except where such use is proscribed by Sections 403.73 and 403.111, Florida Statutes.

PERMITTEE:
Southwest Forest
Industries, Inc.

I.D. Number: 10/03/0009/20
Permit/Certification Number: A003-78459
Date of Issue: January 13, 1984

Expiration Date: January 1, 1989

GENERAL CONDITIONS:

10. The permittee agrees to comply with changes in department rules and Florida Statutes after a reasonable time for compliance, provided however, the permittee does not waive any other rights granted by Florida Statutes or department rules.

11. This permit is transferable only upon department approval in accordance with Florida Administrative Code Rules 17-4.12 and 17-30.30, as applicable. The permittee shall be liable for any noncompliance of the permitted activity until the transfer is approved by the department.

12. This permit is required to be kept at the work site of the permitted activity during the entire period of construction or operation.

13. The permittee shall comply with the following monitoring and record keeping requirements:

- a. Upon request, the permittee shall furnish all records and plans under department rules. The retention period for all records will be extended automatically, unless otherwise stipulated by the department, during the course of any unresolved enforcement action.
- b. The permittee shall retain at the facility or other location designated by this permit records of all monitoring information (including all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation), copies of all reports required by this permit, and records of all data used to complete the application for this permit. The time period of retention shall be at least three years from the date of the sample, measurement, report or application unless otherwise specified by department rule.
- c. Records of monitoring information shall include:
 - the date, exact place, and time of sampling or measurement;
 - the person responsible for performing the sampling or measurement;
 - the date(s) analyses were performed;
 - the person responsible for performing the analyses;
 - the analytical techniques or methods used; and
 - the results of such analyses.

PERMITTEE:
Southwest Forest
Industries, Inc.

I.D. Number: 10/03/0009/20
Permit/Certification Number: A003-78459
Date of Issue: January 13, 1984

Expiration Date: January 1, 1989

GENERAL CONDITIONS:

14. When requested by the department, the permittee shall within a reasonable time furnish any information required by law which is needed to determine compliance with the permit. If the permittee becomes aware that relevant facts were not submitted or were incorrect in the permit application or in any report to the department, such facts or information shall be submitted or corrected promptly.

SPECIFIC CONDITIONS:

15. The maximum allowable operating rate is 48,500 pounds of smelt (as is) and 8,100 pounds of weak wash solids (as is) per hour. This is the operating rate at which compliance with standards shall be demonstrated.

16. Visible emissions shall not exceed 20% opacity under normal operating conditions.

17. Particulate emissions shall not exceed 28.52 pounds per hour at the maximum allowable operating rate of 56,600 pounds of smelt and weak wash solids per hour. At lesser operating rates the particulate emissions shall not exceed the amount shown in the Process Weight Table 610-1 or that calculated from the appropriate equation of Section 17-2.610(1), Florida Administrative Code.

18. Particulates and visible emissions tests are required to show continuing compliance with the standards of the Department. The test results must provide reasonable assurance that the source is capable of compliance at the permitted maximum operating rate. Tests shall be conducted in accordance with EPA methods 1, 2, 3, 5 and 9. Such tests shall be conducted once per year before the end of September. Results shall be submitted to the Department within 45 days after testing. The Department shall be notified at least 15 days prior to testing to allow witnessing.

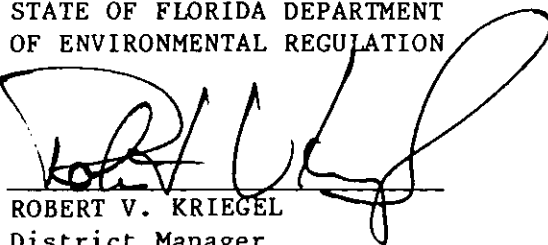
19. An annual operation report (DER Form 17-1.202(6) attached) shall be submitted by March 1 each year. The attached form shall be reproduced by the permittee and used for future annual submittals.

Expiration Date:

January 1, 1989

Issued this 15th day of Jan,
1984.

STATE OF FLORIDA DEPARTMENT
OF ENVIRONMENTAL REGULATION


ROBERT V. KRIEDEL
District Manager



STATE OF FLORIDA
DEPARTMENT OF
ENVIRONMENTAL REGULATION

Southwest Forest Industries
Bay County
No. 2 Dissolving Tank Vent

OPERATION
PERMIT

NO. A003-14871A

DATE OF ISSUANCE

February 1, 1979

Robert V. Krieger
District Manager

DATE OF EXPIRATION

February 1, 1984



BOB GRAHAM
GOVERNOR

JACOB D. VARN
SECRETARY

ROBERT V. KRIEGLER
DISTRICT MANAGER

STATE OF FLORIDA

DEPARTMENT OF ENVIRONMENTAL REGULATION
NORTHWEST DISTRICT

APPLICANT:

Mr. J. M. Ros, Jr., Manager
Panama City Mill of
Southwest Forest Industries
P. O. Box 2560
Panama City, FL 32401

Operation
PERMIT/CERTIFICATION
NO. A003-14871A

COUNTY: Bay

PROJECT: #2 Dissolving
Tank Vent

This permit is issued under the provisions of Chapter 403, Florida Statutes, and Chapters 17-2 and 17-4, Florida Administrative Code. The above named applicant, hereinafter called Permittee, is hereby authorized to perform the work, or operate the facility shown on the approved drawing(s), plans, documents, and specifications attached hereto and made a part hereof and specifically described as follows:

For the operation of #2 Dissolving Tank Vent - Particulates controlled by Demister Pad.

Located at No. 1 Everitt Avenue, Panama City (Bay County).

In accordance with the application dated November 7, 1989.

GENERAL CONDITIONS:

1. The terms, conditions, requirements, limitations, and restrictions set forth herein are "Permit Conditions", and as such are binding upon the permittee and enforceable pursuant to the authority of Section 403.161(1), Florida Statutes. Permittee is hereby placed on notice that the department will review this permit periodically and may initiate court action for any violation of the "Permit Conditions" by the permittee, its agents, employees, servants or representatives.

2. This permit is valid only for the specific processes and operations indicated in the attached drawings or exhibits. Any unauthorized deviation from the approved drawings, exhibits, specifications, or conditions of this permit shall constitute grounds for revocation and enforcement action by the department.

Southwest Forest Industries

Appl. Name: Mr. J. M. ROS, Jr., Manager, Panama City Mill

Project: No. 2 Dissolving Tank Vent

Page 2 of 4 of Permit No.: A003-14871A

3. If, for any reason, the permittee does not comply with or will be unable to comply with any condition or limitation specified in this permit, the permittee shall immediately notify and provide the department with the following information: (a) a description of and cause of non-compliance; and (b) the period of non-compliance, including exact dates and times; or, if not corrected, the anticipated time the non-compliance is expected to continue, and steps being taken to reduce, eliminate, and prevent recurrence of the non-compliance. The permittee shall be responsible for any and all damages which may result and may be subject to enforcement action by the department for penalties or revocation of this permit.
4. As provided in subsection 403.087(6), Florida Statutes, the issuance of this permit does not convey any vested rights or any exclusive privileges. Nor does it authorize any injury to public or private property or any invasion of personal rights, nor any infringement of federal, state or local laws or regulations.
5. This permit is required to be posted in a conspicuous location at the work site or source during the entire period of construction or operation.
6. In accepting this permit, the permittee understands and agrees that all records, notes, monitoring data and other information relating to the construction or operation of this permitted source, which are submitted to the department, may be used by the department as evidence in any enforcement case arising under the Florida Statutes or department rules, except where such use is proscribed by Section 403.111, F.S.
7. In the case of an operation permit, permittee agrees to comply with changes in department rules and Florida Statutes after a reasonable time for compliance, provided however the permittee does not waive any other rights granted by Florida Statutes or department rules.
8. This permit does not relieve the permittee from liability for harm or injury to human health or welfare, animal, plant, or aquatic life or property and penalties therefore caused by the construction or operation of this permitted source, nor does it allow the permittee to cause pollution in contravention of Florida Statutes and department rules, except where specifically authorized by an order from the department granting a variance or exception from department rules or state statutes.
9. This permit is not transferable. Upon sale or legal transfer of the property or facility covered by this permit, the permittee shall notify the department within thirty (30) days. The new owner must apply for a permit transfer within thirty (30) days. The permittee shall be liable for any non-compliance of the permitted source until the transferee applies for and receives a transfer of permit.
10. The permittee, by acceptance of this permit, specifically agrees to allow access to permitted source at reasonable times by department personnel presenting credentials for the purposes of inspection and testing to determine compliance with this permit and department rules.

11. This permit does not indicate a waiver of or approval of any other department permit that may be required for other aspects of the total project.

12. This permit conveys no title to land or water, nor constitutes state recognition or acknowledgement of title, and does not constitute authority for the reclamation of submerged lands unless herein provided and the necessary title or leasehold interests have been obtained from the state. Only the Trustees of the Internal Improvement Trust Fund may express state opinion as to title.

13. This permit also constitutes:

- () Determination of Best Available Control Technology (BACT)
- () Determination of Prevention of Significant Deterioration (PSD)
- () Certification of Compliance with State Water Quality Standards (Section 401, PL 92-500)

SPECIFIC CONDITIONS:

14. The process conditions contained in the application submitted by the Permittee are used by the Department to determine expected compliance status. The application is attached and made a part of the permitted conditions. Process conditions used by the Permittee during a test to prove compliance will be recorded by the Department and made a part of the operation permit conditions.

15. Test results are required to show compliance with standards of the Department. The test results shall show compliance at the permitted operating rate. Such test results shall be obtained one/year commencing June, 1979 and shall be submitted to: Department of Environmental Regulation, 160 Governmental Center, Pensacola, FL 32501. The Department shall be notified prior to testing to allow witnessing. The following parameters shall be tested in accordance with procedures approved by the Department:

Particulates

16. Any modification from the permitted conditions including the rate of operation shall be submitted to the Department for approval with satisfactory evidence that compliance with emissions standards shall be maintained. Test data verifying such compliance shall be required if such approval is granted.

17. All pollution control equipment shall be maintained and operated at all times in acceptable working condition.

18. An annual operations report for the preceding calendar year containing the information on the attached form shall be submitted by March 1st each year.

19. The maximum operating rate of this equipment is limited to the rate demonstrated by test to be in compliance with the process weight emission standard. This maximum rate is 29.88 tons per hour of Green Liquor Solids as Na_2SO_4 . The maximum allowed particulate emissions at that rate are 29.50 pounds per hour. At lower operating rate the allowed emissions are limited in accordance with Table I (Process Weight Table) or the appropriate equation.

Southwest Forest Industries

Appl. Name: Mr. J. M. Ros, Jr., Manager, Panama City Mill

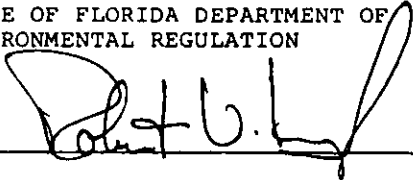
Project: No. 2 Dissolving Tank Vent

Page 4 of 4 of Permit No.: A003-14871A

Expiration Date:
February 1, 1984

Issued this 1 day of February,
1979.

STATE OF FLORIDA DEPARTMENT OF
ENVIRONMENTAL REGULATION



A handwritten signature in black ink, appearing to read 'Robert V. Kriegel', is written over a horizontal line.

Robert V. Kriegel
District Manager

OPERATION PERMIT CONDITIONS
FOR AIR POLLUTION SOURCES

(Excluding Incinerators and Fossil Fuel Steam Generators)

Permit No. A003-2005

Date: 12/4/73

- [X] 1. Fugitive dusts and other pollutants from all sources shall be effectively controlled or eliminated by suitable means. [Chapter 17-2.04(3)]
- [X] 2. The pollution control equipment shall be maintained and operated in such a manner that all emissions will be in compliance with applicable rules and regulations of the DPC. [Chapter 17-2.03(7)]
- [] 3. The density of visible emissions for existing sources, until July 1, 1975, shall not exceed a Ringelmann Number Two or an equivalent 40% opacity. The density of visible emissions for all sources after July 1, 1975, shall not exceed a Ringelmann Number One or an equivalent 20% opacity. If the presence of uncombined water is the only reason for failure to meet these visible emissions standards, such a failure shall not be in violation of this rule. [Chapter 17-2.04(1)(a)(b)(d)]
- [X] 4. Report any problems encountered in the operation of the source that may result in discharge of pollutants in amounts higher than permitted herein. Cease operation forthwith unless permission has been obtained from the regional office of the DPC to operate the source for an interim period. [Chapter 17-4.13]
- [X] 5. This permit is issued on the basis of the data submitted in the application and the existing requirements of this agency as set forth in Chapter 17-2 (revised January 18, 1972) Florida Administrative Code. The owner shall obtain written permission from the DPC before making changes in the operation of the source (i.e. higher production rate, different raw materials and fuels, etc.) that may increase the quantity of pollutants or change their composition. [Chapter 17-2.01]
- [X] 6. This permit is not transferable. Upon the sale or legal transfer of the source covered by this permit, the new owner must apply by letter for a transfer of this permit within thirty days. [Chapter 17-4.12]
- [X] 7. Test the emissions for the following pollutant(s) at intervals of 1 year from the date of this permit and submit four copies of test results to the regional engineer of this agency within fifteen days of such testing. [Chapter 17-2.07(1)]
- | | |
|-------------------|---------------------|
| [X] Particulates | [X] Sulfur Oxides |
| [] Fluorides | [] Nitrogen Oxides |
| [] Plume Density | [] Hydrocarbons |
- [X] 8. Air pollutants which cause or contribute to an objectionable odor shall be effectively controlled or eliminated by suitable means. [Chapter 17-2.04(4)]
- [X] 9. Provide such sampling and testing facilities as may be necessary for the proper determination of the nature and quantity of air pollutants emitted from this source. [Chapter 17-2.07]
- [] 10. Identify the pollution source and/or control equipment by its manufacturer, model number, serial number, capacity, and any other pertinent information. Submit this information on or before

Operation Permit Conditions

Permit No. A003-2005Date: 12/4/73

- (x) 11. According to the Process Weight Table in revised Chapter 17-2 (revised 1/18/72) your maximum allowable emission rate for a process rate of 28.125 tons/hour is 28.41 lb/hr.
- (x) 12. Submit for this facility each calendar year, an emission report for the preceding calendar year containing the following information.
- A. Annual amount of materials utilized with percent of utilization given for December through February, March through May, June through August and September through November.
- B. Annual amount of fuels utilized giving sulfur content with percent of utilization for December through February, March through May, June through August and September through November.
- C. Annual emissions.
- D. Any changes in the information contained in the permit application.
- (x) 13. This source will be tested for particulates and sulfur oxides within three (3) months of the date of this permit to support the application, there afterwards test at 1 year intervals as stated in condition #7.

Expires December 15, 1978

STATE OF FLORIDA
DEPARTMENT OF
POLLUTION CONTROL

OPERATION PERMIT

FOR International Paper Company

Everitt Avenue

Panama City, Fl 32401

PERMIT NO. A003-2005

DATE December 4, 1973

PURSUANT TO THE PROVISIONS OF SECTION 403.061 (16) OF CHAPTER 403 FLORIDA STATUTES AND CHAPTER 17-4 FLORIDA ADMINISTRATIVE CODE, THIS PERMIT IS ISSUED TO:

Mr. Joel R. Baker, Mill Manager

FOR THE OPERATION OF THE FOLLOWING:

Dissolving tank stack associated with recovery boiler #2,
with demister pad as control device.

LOCATED AT: No. 1 Everitt Avenue, Panama City, Bay County

Lat. 30° 08' 30" Long. 85° 37' 25"

IN ACCORDANCE WITH THE APPLICATION DATED August 10, 1973

AND IN CONFORMITY WITH THE STATEMENTS AND SUPPORTING DATA ENTERED THEREIN, ALL OF WHICH ARE FILED WITH THE DEPARTMENT AND ARE CONSIDERED A PART OF THIS PERMIT.

THIS PERMIT SHALL BE EFFECTIVE FROM THE DATE OF ITS ISSUANCE UNTIL 12/15/78 OR UNTIL REVOKED OR SURRENDERED AND SHALL BE SUBJECT TO ALL LAWS OF THE STATE AND THE RULES AND REGULATIONS OF THE DEPARTMENT.

for
P. J. Doherty
REGIONAL ENGINEER

STATE OF FLORIDA

DEPARTMENT OF ENVIRONMENTAL REGULATION

NORTHWEST DISTRICT

160 GOVERNMENTAL CENTER
PENSACOLA, FLORIDA 32501-5794



BOB GRAHAM
GOVERNOR

VICTORIA J. TSCHINKEL
SECRETARY

ROBERT V. KRIEDEL
DISTRICT MANAGER

PERMITTEE:

Southwest Forest
Industries

I.D. Number: 10/03/0009/20
Permit/Certification Number: A003-78459
Date of Issue: January 13, 1984
Date of Modification: JUL 25 1986
Expiration Date: January 1, 1989
County: Bay
Latitude/Longitude: 30°08'30"N/85°37'15"W
Section/Township/Range: Parker/4S/14W
Project: Smelt Dissolving #2

This permit is issued under the provisions of Chapter 403, Florida Statutes, and Florida Administrative Code Rules 17-2 and 17-4. The above named applicant, hereinafter called Permittee, is hereby authorized to perform the work or operate the facility shown on the application and approved drawing(s), plans, and other documents attached hereto or on file with the department and made a part hereof and specifically described as follows:

Operation of Smelt Dissolving #2; 48,500 pounds per hour of smelt (36,375 pounds Na_2CO_3 and 12,125 pounds Na_2S) from Recovery Boiler #2 are dissolved in weak wash containing 8,100 pounds per hour of salts to yield green liquor. The molten smelt creates steam which carries out liquid as it evolves. Particulate emissions are controlled by demister pads made by Otto H. York Company. Total Reduced Sulfur (TRS) emissions are controlled by scrubber water applied to demister pads.

Located: #1 Everett Avenue, Parker (Panama City).

This smelt dissolver shall be subject to TRS emission standards of Florida Administrative Code (FAC) Rule 17-2.600(4)(c)4.a., Continuous Emission Monitoring requirements of FAC Rule 17-2.710(3)(d) and the Compliance Schedules of FAC Rule 17-2.960(1).

PERMITTEE: I.D. Number: 10/03/0009/20
Southwest Forest Industries Permit/Certification Number: A003-78459
Date of Issue: January 13, 1984
Date of Modification: JUL 25 1986
Expiration Date: January 1, 1989

GENERAL CONDITIONS:

7. The permittee, by accepting this permit, specifically agrees to allow authorized department personnel, upon presentation of credentials or other documents as may be required by law, access to the premises, at reasonable times, where the permitted activity is located or conducted for the purpose of:

- a. Having access to and copying any records that must be kept under the conditions of the permit;
- b. Inspecting the facility, equipment, practices, or operations regulated or required under this permit; and
- c. Sampling or monitoring any substances or parameters at any location reasonably necessary to assure compliance with this permit or department rules.

Reasonable time may depend on the nature of the concern being investigated.

8. If, for any reason, the permittee does not comply with or will be unable to comply with any condition or limitation specified in this permit, the permittee shall immediately notify and provide the department with the following information:

- a. A description of and cause of noncompliance; and
- b. The period of noncompliance, including exact dates and times; or, if not corrected, the anticipated time the noncompliance is expected to continue, and steps being taken to reduce, eliminate, and prevent recurrence of the noncompliance.

The permittee shall be responsible for any and all damages which may result and may be subject to enforcement action by the department for penalties or revocation of this permit.

9. In accepting this permit, the permittee understands and agrees that all records, notes, monitoring data and other information relating to the construction or operation of this permitted source, which are submitted to the department, may be used by the department as evidence in any enforcement case arising under the Florida Statutes or department rules, except where such use is proscribed by Sections 403.73 and 403.111, Florida Statutes.

PERMITTEE: I.D. Number: 10/03/0009/20
Southwest Forest Industries Permit/Certification Number: A003-78459
Date of Issue: January 13, 1984
Date of Modification: JUL 25 1986
Expiration Date: January 1, 1989

GENERAL CONDITIONS:

14. When requested by the department, the permittee shall within a reasonable time furnish any information required by law which is needed to determine compliance with the permit. If the permittee becomes aware that relevant facts were not submitted or were incorrect in the permit application or in any report to the department, such facts or information shall be submitted or corrected promptly.

SPECIFIC CONDITIONS:

15. The maximum allowable operating rate is 48,500 pounds of smelt (as is) and 8,100 pounds of weak wash solids (as is) per hour. This is the operating rate at which compliance with standards shall be demonstrated. This maximum allowable operating rate is equivalent to 112,500 pounds of black liquor solids fed to Recovery Boiler #2.

16. Visible emissions shall not exceed 20% opacity under normal operating conditions.

17. Particulate emissions shall not exceed 28.52 pounds per hour at the maximum allowable operating rate of 56,600 pounds of smelt and weak wash solids per hour. At lesser operating rates the particulate emissions shall not exceed the amount shown in the Process Weight Table 610-1 or that calculated from the appropriate equation of Section 17-2.610(1), Florida Administrative Code.

18. TRS emissions shall not exceed 1.80 pounds per hour at the maximum allowed operating rate of 112,500 pounds of black liquor solids per hour. At lesser operating rates these emissions shall not exceed 0.0480 pounds of TRS per 3,000 pounds of black liquor solids.

19. Particulates and visible emissions tests are required to show continuing compliance with the standards of the Department. The test results must provide reasonable assurance that the source is capable of compliance at the permitted maximum operating rate. Tests shall be conducted in accordance with EPA methods 1, 2, 3, 5 and 9. Such tests shall be conducted once per year before the end of September. Results shall be submitted to the Department within 45 days after testing. The Department shall be notified at least 15 days prior to testing to allow witnessing.

PERMITTEE: I.D. Number: 10/03/0009/20
Southwest Forest Industries Permit/Certification Number: A003-78459
Date of Issue: January 13, 1984
Date of Modification: JUL 25 1986
Expiration Date: January 1, 1989

SPECIFIC CONDITIONS:

Expiration Date:
January 1, 1989

Issued this 25 day of July,
1986.

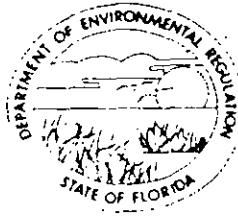
STATE OF FLORIDA DEPARTMENT
OF ENVIRONMENTAL REGULATION

Norman L. Richard, for
ROBERT V. KRIEDEL
District Manager

STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL REGULATION

NORTHWEST DISTRICT

160 GOVERNMENTAL CENTER
PENSACOLA, FLORIDA 32501-5794



BOB GRAHAM
GOVERNOR

VICTORIA J. TSCHINKEL
SECRETARY

ROBERT V. KRIEDEL
DISTRICT MANAGER

July 25, 1986

Mr. J. F. Stewart
Vice-President & General Manager
Southwest Forest Industries
Post Office Box 2560
Panama City, Florida 32401


Dear Mr. Stewart:

By this letter, permit numbers AO03-63151, 78464, 63149, 78459, 63150, 90960 and 90958 are modified to include the following additional specific condition:

To comply with the requirements of FAC Rule 17-2.971(3)(b), the permittee shall continue to operate in the manner described in letter from L. D. Riley, Jr., dated July 16, 1986, to minimize TRS emissions during the interim period prior to final compliance.

This letter shall be attached to and made a part of each of the referenced permits.

Sincerely,


Robert V. Kriegel
District Manager

RVK/jpl

STATE OF FLORIDA

DEPARTMENT OF ENVIRONMENTAL REGULATION

NORTHWEST DISTRICT

160 GOVERNMENTAL CENTER
PENSACOLA, FLORIDA 32501-5794



BOB GRAHAM
GOVERNOR

VICTORIA J. TSCHINKEL
SECRETARY

ROBERT V. KRIEGLER
DISTRICT MANAGER

PERMITTEE:

Southwest Forest
Industries, Inc.

I.D. Number: 10/03/0009/20
Permit/Certification Number: A003-78459
Date of Issue: January 13, 1984

Expiration Date: January 1, 1989
County: Bay
Latitude/Longitude: 30°08'30"N/85°37'15"W
Section/Township/Range: Parker/4S/14W
Project: #2 Smelt Dissolving Tank

This permit is issued under the provisions of Chapter 403, Florida Statutes, and Florida Administrative Code Rules 17-2 and 17-4. The above named applicant, hereinafter called Permittee, is hereby authorized to perform the work or operate the facility shown on the application and approved drawing(s), plans, and other documents attached hereto or on file with the department and made a part hereof and specifically described as follows:

Operation of #2 Smelt Dissolving Tank, 48,500 pounds per hour of smelt (36,375 pounds Na_2CO_3 and 12,125 pounds Na_2S) from #2 recovery boiler are dissolved in weak wash containing 8,100 pounds per hour of salts to yield green liquor. The molten smelt creates steam which carries out liquid as it evolves. Particulate emissions are controlled by demister pads made by Otto H. York Company.

Located: #1 Everett Avenue, Parker (Panama City).

PERMITTEE:
Southwest Forest
Industries, Inc.

I.D. Number: 10/03/0009/20
Permit/Certification Number: A003-78459
Date of Issue: January 13, 1984

Expiration Date: January 1, 1989

GENERAL CONDITIONS:

7. The permittee, by accepting this permit, specifically agrees to allow authorized department personnel, upon presentation of credentials or other documents as may be required by law, access to the premises, at reasonable times, where the permitted activity is located or conducted for the purpose of:

- a. Having access to and copying any records that must be kept under the conditions of the permit;
- b. Inspecting the facility, equipment, practices, or operations regulated or required under this permit; and
- c. Sampling or monitoring any substances or parameters at any location reasonably necessary to assure compliance with this permit or department rules.

Reasonable time may depend on the nature of the concern being investigated.

8. If, for any reason, the permittee does not comply with or will be unable to comply with any condition or limitation specified in this permit, the permittee shall immediately notify and provide the department with the following information:

- a. A description of and cause of noncompliance; and
- b. The period of noncompliance, including exact dates and times; or, if not corrected, the anticipated time the noncompliance is expected to continue, and steps being taken to reduce, eliminate, and prevent recurrence of the noncompliance.

The permittee shall be responsible for any and all damages which may result and may be subject to enforcement action by the department for penalties or revocation of this permit.

9. In accepting this permit, the permittee understands and agrees that all records, notes, monitoring data and other information relating to the construction or operation of this permitted source, which are submitted to the department, may be used by the department as evidence in any enforcement case arising under the Florida Statutes or department rules, except where such use is proscribed by Sections 403.73 and 403.111, Florida Statutes.

PERMITTEE:
Southwest Forest
Industries, Inc.

I.D. Number: 10/03/0009/20
Permit/Certification Number: A003-78459
Date of Issue: January 13, 1984

Expiration Date: January 1, 1989

GENERAL CONDITIONS:

14. When requested by the department, the permittee shall within a reasonable time furnish any information required by law which is needed to determine compliance with the permit. If the permittee becomes aware that relevant facts were not submitted or were incorrect in the permit application or in any report to the department, such facts or information shall be submitted or corrected promptly.

SPECIFIC CONDITIONS:

15. The maximum allowable operating rate is 48,500 pounds of smelt (as is) and 8,100 pounds of weak wash solids (as is) per hour. This is the operating rate at which compliance with standards shall be demonstrated.

16. Visible emissions shall not exceed 20% opacity under normal operating conditions.

17. Particulate emissions shall not exceed 28.52 pounds per hour at the maximum allowable operating rate of 56,600 pounds of smelt and weak wash solids per hour. At lesser operating rates the particulate emissions shall not exceed the amount shown in the Process Weight Table 610-1 or that calculated from the appropriate equation of Section 17-2.610(1), Florida Administrative Code.

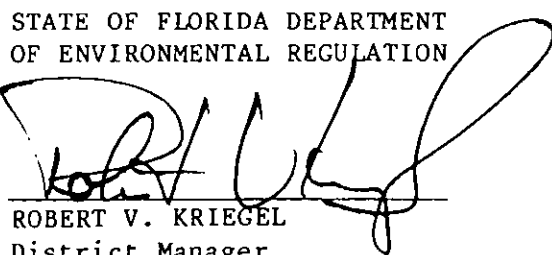
18. Particulates and visible emissions tests are required to show continuing compliance with the standards of the Department. The test results must provide reasonable assurance that the source is capable of compliance at the permitted maximum operating rate. Tests shall be conducted in accordance with EPA methods 1, 2, 3, 5 and 9. Such tests shall be conducted once per year before the end of September. Results shall be submitted to the Department within 45 days after testing. The Department shall be notified at least 15 days prior to testing to allow witnessing.

19. An annual operation report (DER Form 17-1.202(6) attached) shall be submitted by March 1 each year. The attached form shall be reproduced by the permittee and used for future annual submittals.

Expiration Date:
January 1, 1989

Issued this 13th day of Jan,
1984.

STATE OF FLORIDA DEPARTMENT
OF ENVIRONMENTAL REGULATION


ROBERT V. KRIEGEL
District Manager



STATE OF FLORIDA
DEPARTMENT OF
ENVIRONMENTAL REGULATION

Southwest Forest Industries
Bay County
No. 2 Dissolving Tank Vent

OPERATION
PERMIT

NO. AO03-14871A

DATE OF ISSUANCE

February 11, 1979

Robert V. Krieger
District Manager

DATE OF EXPIRATION

February 11, 1984

Expires January 15, 1978

STATE OF FLORIDA
DEPARTMENT OF AIR AND WATER
POLLUTION CONTROL

OPERATION PERMIT

FOR International Paper Company
U.S. Hwy. 98
Panama City, Florida 32401

PERMIT NO. AO-3-1103

DATE 1/8/73

PURSUANT TO THE PROVISIONS OF SECTION 403.061 (16) OF CHAPTER 403 FLORIDA STATUTES AND CHAPTER 17-4 FLORIDA ADMINISTRATIVE CODE, THIS PERMIT IS ISSUED TO:
Mr. Joel R. Baker, Mill Manager

FOR THE OPERATION OF THE FOLLOWING:

No. 1 recovery boiler with electrostatic precipitator and
2 stacks, also smelt dissolving tanks with demister

LOCATED AT: West of U.S. 98, Panama City, Bay County, Florida,
Lat. 30° 08' 30" Long. 85° 37' 25"

IN ACCORDANCE WITH THE APPLICATION DATED December 7, 1972

AND IN CONFORMITY WITH THE STATEMENTS AND SUPPORTING DATA ENTERED THEREIN, ALL OF WHICH ARE FILED WITH THE DEPARTMENT AND ARE CONSIDERED A PART OF THIS PERMIT.

THIS PERMIT SHALL BE EFFECTIVE FROM THE DATE OF ITS ISSUANCE UNTIL REVOKED OR SURRENDERED AND SHALL BE SUBJECT TO ALL LAWS OF THE STATE AND THE RULES AND REGULATIONS OF THE DEPARTMENT. * or 1/15/78, whichever comes first.

K. K. Huffstutler
K. K. Huffstutler, Chief
BUREAU OF PERMITTING

Vincent D. Patton
VINCENT D. PATTON
EXECUTIVE DIRECTOR

Please Reply to:

Department of Pollution Control
Northwest Regional Office

OPERATION PERMIT CONDITIONS
FOR AIR POLLUTION SOURCES

1384 Shoreline Drive
Gulf Breeze, Florida 32561
Phone: 904/932-5323

(Excluding Incinerators and Fossil Fuel Steam Generators)

Permit No. AO-3-1103 No. 1 Recovery Boiler

Date: 1/8/73

- [X] 1. Fugitive dusts and other pollutants from all sources shall be effectively controlled or eliminated by suitable means. [Chapter 17-2.04(3)]
- [X] 2. The pollution control equipment shall be maintained and operated in such a manner that all emissions will be in compliance with applicable rules and regulations of the DPC. [Chapter 17-2.03(7)]
- [X] 3. The density of visible emissions for existing sources, until July 1, 1975, shall not exceed a Ringelmann Number Two or an equivalent 40% opacity. The density of visible emissions for all sources after July 1, 1975, shall not exceed a Ringelmann Number One or an equivalent 20% opacity. If the presence of uncombined water is the only reason for failure to meet these visible emissions standards, such a failure shall not be in violation of this rule. [Chapter 17-2.04(1)(a)(b)(d)]
- [X] 4. Report any problems encountered in the operation of the source that may result in discharge of pollutants in amounts higher than permitted herein. Cease operation forthwith unless permission has been obtained from the regional office of the DPC to operate the source for an interim period. [Chapter 17-4.13]
- [X] 5. This permit is issued on the basis of the data submitted in the application and the existing requirements of this agency as set forth in Chapter 17-2 (revised January 18, 1972) Florida Administrative Code. The owner shall obtain written permission from the DPC before making changes in the operation of the source (i.e. higher production rate, different raw materials and fuels, etc.) that may increase the quantity of pollutants or change their composition. [Chapter 17-2.01]
- [X] 6. This permit is not transferable. Upon the sale or legal transfer of the source covered by this permit, the new owner must apply by letter for a transfer of this permit within thirty days. [Chapter 17-4.12]
- * [X] 7. Test the emissions for the following pollutant(s) at intervals of 1 year from the date of this permit and submit four copies of test results to the regional engineer of this agency within fifteen days of such testing. [Chapter 17-2.07(1)]

| | |
|-------------------|---------------------|
| [x] Particulates | [x] Sulfur Oxides |
| [] Fluorides | [] Nitrogen Oxides |
| [] Plume Density | [] Hydrocarbons |
- [X] 8. Air pollutants which cause or contribute to an objectionable odor shall be effectively controlled or eliminated by suitable means. [Chapter 17-2.04(4)]
- [X] 9. Provide such sampling and testing facilities as may be necessary for the proper determination of the nature and quantity of air pollutants emitted from this source. [Chapter 17-2.07]
- [] 10. Identify the pollution source and/or control equipment by its manufacturer, model number, serial number, capacity, and any other pertinent information. Submit this information on or before



STATE OF FLORIDA
DEPARTMENT OF
ENVIRONMENTAL REGULATION

Southwest Forest Industries
Bay County
No. 1 Recovery Boiler

OPERATION
PERMIT

NO. A003-4717A

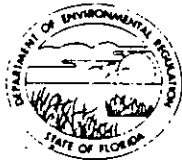
DATE OF ISSUANCE

February 8, 1978

DATE OF EXPIRATION

February 8, 1983

Robert V. Kriegel
District Manager



BOB GRAHAM
GOVERNOR

JACOB D. VARN
SECRETARY

ROBERT V. KRIEDEL
DISTRICT MANAGER

STATE OF FLORIDA

DEPARTMENT OF ENVIRONMENTAL REGULATION

NORTHWEST DISTRICT

APPLICANT:

Mr. J. M. Ros, Jr., Manager
Panama City Mill of
Southwest Forest Industries
P. O. Box 2560
Panama City, FL 32401

Operation
PERMIT/CERTIFICATION
NO. A003-4717A

COUNTY: Bay

No. 1
PROJECT: Recovery Boiler

This permit is issued under the provisions of Chapter 403, Florida Statutes, and Chapters 17-2 and 17-4, Florida Administrative Code. The above named applicant, hereinafter called Permittee, is hereby authorized to perform the work, or operate the facility shown on the approved drawing(s), plans, documents, and specifications attached hereto and made a part hereof and specifically described as follows:

For the operation of No. 1 Recovery Boiler - Particulates controlled by Electrostatic Precipitator, and total reduced sulfur controlled by black liquor oxidation.

Located at No. 1 Everitt Avenue Panama City, Florida
UTM Zone 16 632.81 East 3335.13 North.

In accordance with the application dated December 2, 1977.

GENERAL CONDITIONS:

1. The terms, conditions, requirements, limitations, and restrictions set forth herein are "Permit Conditions", and as such are binding upon the permittee and enforceable pursuant to the authority of Section 403.161(1), Florida Statutes. Permittee is hereby placed on notice that the department will review this permit periodically and may initiate court action for any violation of the "Permit Conditions" by the permittee, its agents, employees, servants or representatives.
2. This permit is valid only for the specific processes and operations indicated in the attached drawings or exhibits. Any unauthorized deviation from the approved drawings, exhibits, specifications, or conditions of this permit shall constitute grounds for revocation and enforcement action by the department.

3. If, for any reason, the permittee does not comply with or will be unable to comply with any condition or limitation specified in this permit, the permittee shall immediately notify and provide the department with the following information: (a) a description of and cause of non-compliance; and (b) the period of non-compliance, including exact dates and times; or, if not corrected, the anticipated time the non-compliance is expected to continue, and steps being taken to reduce, eliminate, and prevent recurrence of the non-compliance. The permittee shall be responsible for any and all damages which may result and may be subject to enforcement action by the department for penalties or revocation of this permit.

4. As provided in subsection 403.087(6), Florida Statutes, the issuance of this permit does not convey any vested rights or any exclusive privileges. Nor does it authorize any injury to public or private property or any invasion of personal rights, nor any infringement of federal, state or local laws or regulations.

5. This permit is required to be posted in a conspicuous location at the work site or source during the entire period of construction or operation.

6. In accepting this permit, the permittee understands and agrees that all records, notes, monitoring data and other information relating to the construction or operation of this permitted source, which are submitted to the department, may be used by the department as evidence in any enforcement case arising under the Florida Statutes or department rules, except where such use is proscribed by Section 403.111, F.S.

7. In the case of an operation permit, permittee agrees to comply with changes in department rules and Florida Statutes after a reasonable time for compliance, provided however the permittee does not waive any other rights granted by Florida Statutes or department rules.

8. This permit does not relieve the permittee from liability for harm or injury to human health or welfare, animal, plant, or aquatic life or property and penalties therefore caused by the construction or operation of this permitted source, nor does it allow the permittee to cause pollution in contravention of Florida Statutes and department rules, except where specifically authorized by an order from the department granting a variance or exception from department rules or state statutes.

9. This permit is not transferable. Upon sale or legal transfer of the property or facility covered by this permit, the permittee shall notify the department within thirty (30) days. The new owner must apply for a permit transfer within thirty (30) days. The permittee shall be liable for any non-compliance of the permitted source until the transferee applies for and receives a transfer of permit.

10. The permittee, by acceptance of this permit, specifically agrees to allow access to permitted source at reasonable times by department personnel presenting credentials for the purposes of inspection and testing to determine compliance with this permit and department rules.

Southwest Forest Industries
Appl. Name: Mr. J. M. Ros, Jr., Manager, Panama City Mill
Project: No. 1 Recovery Boiler
Page 3 of 4 of Permit No.: A003-4717A

11. This permit does not indicate a waiver of or approval of any other department permit that may be required for other aspects of the total project.
12. This permit conveys no title to land or water, nor constitutes state recognition or acknowledgement of title, and does not constitute authority for the reclamation of submerged lands unless herein provided and the necessary title or leasehold interests have been obtained from the state. Only the Trustees of the Internal Improvement Trust Fund may express state opinion as to title.
13. This permit also constitutes:
 - () Determination of Best Available Control Technology (BACT)
 - () Determination of Prevention of Significant Deterioration (PSD)
 - () Certification of Compliance with State Water Quality Standards (Section 401, PL 92-500)

SPECIFIC CONDITIONS:

14. The permit holder must comply with Florida Statute, Chapter 403 and the applicable Chapters of the Department of Environmental Regulation in addition to the conditions of this permit (Chapter 403.161(1)(b), Florida Statutes).
15. Test the emissions for the following pollutant(s) at intervals of one/year from the date January 5, 1979 and submit a copy of test data to the District Engineer of this agency within fifteen days of such testing (Chapter 17-2.07(1), Florida Administrative Code (F.A.C.)

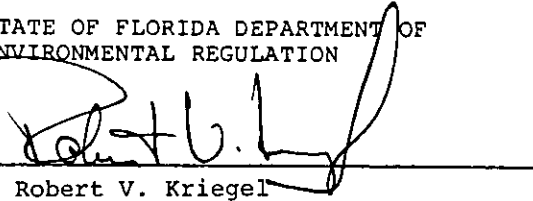
 Particulates
 Total Reduced Sulfur
16. Testing of emissions must be accomplished at approximately the rates as stated in the application. Failure to submit the input rates or operation at conditions which do not reflect actual operating conditions may invalidate the data (Chapter 403.161(1)(c), Florida Statutes).
17. Submit for this facility, each calendar year, on or before March 1, an emission report for the preceding calendar year containing the following information as per Chapter 17-4.14, F.A.C.
 - (a) Annual amount of materials and/or fuels utilized.
 - (b) Annual emissions (note calculation basis).
 - (c) Any changes in the information contained in the permit application.
18. The maximum allowable emissions rate of particulates for a maximum permitted operating rate of 38.39 black liquor tons/hour (3000 #/BLT) is 115.17 pounds/hour. The maximum allowable emissions of total reduced sulfur is 17.5 ppm. The permittee shall provide satisfactory evidence substantiating compliance at all operating rates.

Southwest Forest Industries
Appl. Name: Mr. J. M. Ros, Jr., Manager, Panama City Mill
Project: No. 1 Recovery Boiler
Page 4 of 4 of Permit No.: A003-4717A

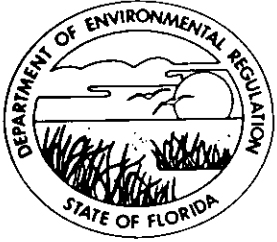
Expiration Date:
February 8, 1983

Issued this 8 day of February,
1978.

STATE OF FLORIDA DEPARTMENT OF
ENVIRONMENTAL REGULATION



Robert V. Kriegel
District Manager



Florida Department of Environmental Regulation

Northwest District • 160 Governmental Center • Pensacola, Florida 32501-5794

Lawton Chiles, Governor

PERMITTEE:

Stone Container Corporation

I.D. Number: 10PCY03000901

Permit/Certification Number: A003-222669

Date of Issue: June 10, 1993

Expiration Date: March 1, 1998

County: Bay

Latitude/Longitude: 30°08'31"N/85°37'16"W

Project: Recovery Boiler No. 1

This permit is issued under the provisions of Section 403.087, Florida Statutes, and Florida Administrative Code Rules 17-296, 17-297 and 17-4. The above named applicant, hereinafter called Permittee, is hereby authorized to perform the work or operate the facility shown on the application and approved drawing(s), plans, and other documents attached hereto or on file with the Department and made a part hereof and specifically described as follows:

Operation of Recovery Boiler No. 1, fueled by 123,700 pounds of black liquor solids per hour. No. 6 fuel oil and/or natural gas is used as auxiliary fuel. The maximum sulfur content of the fuel oil is 2.5%. Particulates (PM) are controlled by an electrostatic precipitator manufactured by Koppers, two sections of four fields each. Total reduced sulfur (TRS) emissions are controlled by oxidation of black liquor prior to entering the boiler fire box.

Located: 1 Everett Avenue, Parker (Panama City).

Specific Condition No. 4 requires annual PM and visible emissions (VE) testing due before the end of November and TRS testing due in 1997 before the end of November.

Specific Condition No. 5 requires records of sulfur in fuel oil to be kept and be maintained for Department inspections.

Specific Condition No. 6 requires proper operation, notification and record-keeping of a TRS continuous emissions monitor (CEM) and submittal of a quality assurance (QA) plan within 90 days issuance of this permit.

Specific Condition No. 7 requires submittal of quarterly excess emission reports.

Specific Condition No. 8 requires submittal of annual operating reports.

Specific Condition No. 9 requires submittal of permit renewal application by January 1, 1998.

PERMITTEE:
Stone Container Corporation

I.D. Number: 10PCY03000901
Permit/Certification Number: A003-222669
Date of Issue: June 10, 1993
Expiration Date: March 1, 1998

SPECIFIC CONDITIONS:

1. The attached General Conditions are part of this permit.
2. The maximum allowable operating rate is 123,000 pounds of black liquor solids per hour. This is the operating rate at which compliance with standards shall be demonstrated.
3. The maximum allowable emission rate for each pollutant is as follows:

Visible emissions shall not exceed 45% opacity, except up to 60% opacity is allowed for one six-minute period during any one hour.

| <u>Pollutant</u> | <u>Emission Rate</u> | <u>Allowable Emissions</u> | |
|------------------|------------------------|----------------------------|-------------|
| | | <u>lb/hr</u> | <u>T/yr</u> |
| PM | 3 lb PM/3000 lb BLS(1) | 112.5 | 472.5 |
| TRS | 17.5 ppm (2) | 106.5(3) | 447.3 |

Operating for 8760 hrs/yr
BLS = Black Liquor Solids, produced at a rate of 3000 lbs BLS/2000 lbs dry unbleached pulp

- (1) F.A.C. Rule 17-296.404(2)(a), capped at 112.5 lb/hr by application to operate, 12/77
- (2) F.A.C. Rule 17-296.404(c)(1)(a)
- (3) Application to operate, 12/77

4. Test for emissions of the following pollutants before the end of November according to the test methods and frequency indicated, notify the Department 14 days prior to testing and submit the test report documentation to the Department within 45 days after completion of testing.

| <u>Pollutant</u> | <u>Frequency</u> | <u>Test Method</u> |
|------------------|------------------|----------------------|
| PM | Annual | EPA method 5 |
| VE | Annual | DER method 9 |
| TRS | 1997 | EPA method 16 or 16A |

The VE test shall be conducted during one of the PM test runs. Test reports shall comply with F.A.C. Rule 17-297.570, Test Reports. The Department can require special compliance tests in accordance with F.A.C. Rule 17-297.340(2).

5. Sulfur content of No. 6 fuel oil burned shall not exceed 2.5%. Records of sulfur content of No. 6 fuel oil shall be maintained and be available for inspection by the Department.

PERMITTEE:
Stone Container Corporation

I.D. Number: 10PCY03000901
Permit/Certification Number: AO03-222669
Date of Issue: June 10, 1993
Expiration Date: March 1, 1998

SPECIFIC CONDITIONS:

6. A continuous monitor (CEM) for TRS shall be calibrated, maintained and operated in accordance with Florida Administrative Code Rule 17-297.500.

A. In the event of replacement of a major component (i.e., the analyzer, or changes to the moisture removal, scrubbing, dilution or combustion systems having different design efficiencies) of a CEM, a performance specification test (40 CFR 60, Appendix B, Performance Specification 5) shall be conducted within 60 days of such replacement. A reassessment of the QA Program Plan shall be made and submitted to the Northwest District of the Department within 60 days of the performance specification test.

B. CEM data shall be recorded during periods of startup, shutdown and malfunction but shall be excluded from emission averaging calculations for TRS.

C. A malfunction means any sudden and unavoidable failure of air pollution control equipment or process equipment to operate in a normal or usual manner. Failures that are caused entirely or in part by poor maintenance, careless operation or any other preventable upset condition or preventable equipment breakdown shall not be considered malfunctions.

D. All required records shall be maintained and be available for Department inspections.

7. The owner or operator shall submit excess emission reports for every calendar quarter within 30 days after end of quarter. If there are no excess emissions during a quarter, the report will so state. The report shall include the following:

A. The magnitude of excess emissions computed in accordance with 40 CFR 61.284(c) and the date and time of commencement and completion of each period of excess emissions [60.7(c)(1)].

B. Specific identification of each period of excess emissions that occurs during startups, shutdowns and malfunctions. The nature and cause of any malfunction (if known) and the corrective action taken or preventive measure adopted [60.7(c)(2)].

C. The date and time identifying each period during which the continuous monitoring system was inoperative except for zero and span checks, and the nature of the system repairs or adjustments [60.7(c)(3)]. This information shall be summarized for each CEM on a form (attached). The permittee shall reproduce the form for future quarterly submittals.

D. When no excess emissions have occurred or the CEM has not been inoperative, repaired or adjusted, such information shall be stated in the report [60.7(c)(4)].

PERMITTEE:
Stone Container Corporation

I.D. Number: 10PCY03000901
Permit/Certification Number: A003-222669
Date of Issue: June 10, 1993
Expiration Date: March 1, 1998

SPECIFIC CONDITIONS:

E. The owner or operator shall maintain a file of all measurements, including continuous monitoring systems performance evaluations; monitoring systems or monitoring device calibrations; checks, adjustments and maintenance performed on these systems or devices; and all other information required by this permit recorded in a permanent form suitable for inspection [60.9(d)].

8. An annual operation report [DER Form 17-210.900(4) attached] shall be submitted by March 1 each year. The attached form shall be reproduced by the permittee and used for future annual submittals.

9. An application to renew this permit shall be submitted prior to January 1, 1998.

10. The permanent source identification number for this point source is 10PCY03000901. Please cite this number on all test reports and other correspondence specific to this permitted point source.

11. The Department telephone number for reporting problems, malfunctions or exceedances under this permit is (904) 436-8300, day or night, and for emergencies involving a significant threat to human health or the environment is (904) 488-1320. For routine business, telephone (904) 436-8364 during normal working hours.

Expiration Date:

Issued this 10th day of June,
1993.

March 1, 1998

STATE OF FLORIDA DEPARTMENT
OF ENVIRONMENTAL REGULATION


BOBBY A. COOLEY
District Director

PERMITTEE:
Stone Container Corporation

I.D. Number: 10PCY03000901
Permit/Certification Number: A003-222669
Date of Issue: June 10, 1993
Expiration Date: March 1, 1998

GENERAL CONDITIONS:

1. The terms, conditions, requirements, limitations, and restrictions set forth in this permit are "permit conditions", and are binding and enforceable pursuant to Sections 403.141, 403.727, or 403.859 through 403.861, Florida Statutes. The permittee is placed on notice that the Department will review this permit periodically and may initiate enforcement action for any violation of these conditions.
2. This permit is valid only for the specific processes and operations applied for and indicated in the approved drawings or exhibits. Any unauthorized deviation from the approved drawings, exhibits, specifications, or conditions of this permit may constitute grounds for revocation and enforcement action by the Department.
3. As provided in Subsections 403.087(6) and 403.722(5), Florida Statutes, the issuance of this permit does not convey any vested rights or any exclusive privileges. Nor does it authorize any injury to public or private property or any invasion of personal rights, nor any infringement of federal, state or local laws or regulations. This permit does not constitute a waiver of or approval of any other Department permit that may be required for other aspects of the total project which are not addressed in the permit.
4. This permit conveys no title to land or water, does not constitute state recognition or acknowledgment of title, and does not constitute authority for the use of submerged lands unless herein provided and the necessary title or leasehold interests have been obtained from the state. Only the Trustees of the Internal Improvement Trust Fund may express state opinion as to title.
5. This permit does not relieve the permittee from liability for harm or injury to human health or welfare, animal, or plant life, or property caused by the construction or operation of this permitted source, or from penalties therefore; nor does it allow the permittee to cause pollution in contravention of Florida Statutes and Department rules, unless specifically authorized by an order from the Department.
6. The permittee shall properly operate and maintain the facility and systems of treatment and control (and related appurtenances) that are installed and used by the permittee to achieve compliance with the conditions of this permit, are required by Department rules. This provision includes the operation of backup or auxiliary facilities or similar systems when necessary to achieve compliance with the conditions of the permit and when required by Department rules.
7. The permittee, by accepting this permit, specifically agrees to allow authorized Department personnel, upon presentation of credentials or other documents as may be required by law, access to the premises, at reasonable times, where the permitted activity is located or conducted for the purpose of:
 - a. Having access to and copying any records that must be kept under the conditions of this permit;
 - b. Inspecting the facility, equipment, practices, or operations regulated or required under this permit; and,

PERMITTEE:

Stone Container Corporation

I.D. Number: 10PCY03000901

Permit/Certification Number: A003-222669

Date of Issue: June 10, 1993

Expiration Date: March 1, 1998

GENERAL CONDITIONS:

c. Sampling or monitoring any substances or parameters at any location reasonably necessary to assure compliance with this permit or Department rules.

Reasonable time may depend on the nature of the concern being investigated.

8. If, for any reason, the permittee does not comply with or will be unable to comply with any condition or limitation specified in this permit, the permittee shall immediately provide the Department with the following information:

a. A description of and cause of noncompliance; and

b. The period of noncompliance, including exact dates and times; or, if not corrected, the anticipated time the noncompliance is expected to continue, and steps being taken to reduce, eliminate, and prevent recurrence of the noncompliance. The permittee shall be responsible for any and all damages which may result and may be subject to enforcement action by the Department for penalties or for revocation of this permit.

9. In accepting this permit, the permittee understands and agrees that all records, notes, monitoring data and other information relating to the construction or operation of this permitted source which are submitted to the Department may be used by the Department as evidence in any enforcement case involving the permitted source arising under the Florida Statutes or Department rules, except where such use is proscribed by Sections 403.73 and 403.111, Florida Statutes. Such evidence shall only be used to the extent it is consistent with Florida Rules of Civil Procedure and appropriate evidentiary rules.

10. The permittee agrees to comply with changes in Department rules and Florida Statutes after a reasonable time for compliance, provided however, the permittee does not waive any other rights granted by Florida Statutes or Department rules.

11. This permit is transferable only upon Department approval in accordance with Florida Administrative Code Rules 17-4.120 and 17-730.300, as applicable. The permittee shall be liable for any noncompliance of the permitted activity until the transfer is approved by the Department.

12. This permit is required to be kept at the work site of the permitted activity during the entire period of construction or operation.

13. The permittee shall comply with the following:

a. Upon request, the permittee shall furnish all records and plans required under Department rules. During enforcement actions, the retention period for all records will be extended automatically unless otherwise stipulated by the Department.

b. The permittee shall hold at the facility or other location designated by this permit records of all monitoring information (including all calibration and maintenance records and all original strip chart recordings for continuous

PERMITTEE:

Stone Container Corporation

I.D. Number: 10PCY03000901

Permit/Certification Number: A003-222669

Date of Issue: June 10, 1993

Expiration Date: March 1, 1998

GENERAL CONDITIONS:

monitoring instrumentation) required by the permit, copies of all reports required by this permit, and records of all data used to complete the application for this permit. These materials shall be retained at least three years from the date of the sample, measurement, report or application unless otherwise specified by Department rule.

c. Records of monitoring information shall include:

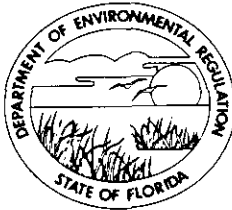
- the date, exact place, and time of sampling or measurement;
- the person responsible for performing the sampling or measurement;
- the date(s) analyses were performed;
- the person responsible for performing the analyses;
- the analytical techniques or methods used; and
- the results of such analyses.

14. When requested by the Department, the permittee shall within a reasonable time furnish any information required by law which is needed to determine compliance with the permit. If the permittee becomes aware the relevant facts were not submitted or were incorrect in the permit application or in any report to the Department, such facts or information shall be corrected promptly.

#1 RECOVERY 3/1/93

STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL REGULATION

NORTHWEST DISTRICT
160 GOVERNMENTAL CENTER
PENSACOLA, FLORIDA 32501-5794



BOB MARTINEZ
GOVERNOR
DALE TWACHTMANN
SECRETARY
ROBERT V. KRIEDEL
DISTRICT MANAGER

PERMITTEE:

Stone Container Corporation

I.D. Number: 10PCY03000901

Permit/Certification Number: A003-141024

Date of Issue: **MAR 21 1988**

Expiration Date: March 1, 1993

County: Bay

Latitude/Longitude: 30°08'31"N/85°37'16"W

Section/Township/Range: Parker/4S/14W

Project: Recovery Boiler #1

This permit is issued under the provisions of Chapter 403, Florida Statutes, and Florida Administrative Code Rules 17-2 and 17-4. The above named applicant, hereinafter called Permittee, is hereby authorized to perform the work or operate the facility shown of the application and approved drawing(s), plans, and other documents attached hereto or on file with the department and made a part hereof and specifically described as follows:

Operation of Recovery Boiler #1. Fueled by 123,700 pounds of black liquor solids per hour; #6 fuel oil and/or natural gas is used as auxiliary fuel. The maximum sulfur content of the fuel oil is 2.5%. Particulates are controlled by an electrostatic precipitator manufactured by Koppers, two sections of four fields each. Total reduced sulfur (TRS) emissions are controlled by oxidation of black liquor prior to entering boiler fire box.

Located: #1 Everett Avenue, Parker

PERMITTEE: I.D. Number: 10PCY03000901
Stone Container Corporation Permit/Certification Number: A003-141024
Date of Issue: MAR 21 1988
Expiration Date: March 1, 1993

GENERAL CONDITIONS:

1. The terms, conditions, requirements, limitations, and restrictions set forth herein are "Permit Conditions", and as such are binding upon the permittee and enforceable pursuant to the authority of Sections 403.161, 403.727, or 403.859 through 403.861, Florida Statutes. The permittee is hereby placed on notice that the Department will review this permit periodically and may initiate enforcement action for any violation of the "Permit Conditions" by the permittee, its agents, employees, servants or representatives.
2. This permit is valid only for the specific processes and operations applied for and indicated in the approved drawings or exhibits. Any unauthorized deviation from the approved drawings, exhibits, specifications, or conditions of this permit may constitute grounds for revocation and enforcement action by the department.
3. As provided in Subsections 403.087(6) and 403.722(5), Florida Statutes, the issuance of this permit does not convey any vested rights or any exclusive privileges. Nor does it authorize any injury to public or private property or any invasion of personal rights, nor any infringement of federal, state or local laws or regulations. This permit does not constitute a waiver of or approval of any other department permit that may be required for other aspects of the total project which are not addressed in the permit.
4. This permit conveys no title to land or water, does not constitute state recognition or acknowledgement of title, and does not constitute authority for the use of submerged lands unless herein provided and the necessary title or leasehold interests have been obtained from the state. Only the Trustees of the Internal Improvement Trust Fund may express state opinion as to title.
5. This permit does not relieve the permittee from liability for harm or injury to human health or welfare, animal, plant or aquatic life or property and penalties therefor caused by the construction or operation of this permitted source, nor does it allow the permittee to cause pollution in contravention of Florida Statutes and department rules, unless specifically authorized by an order from the department.
6. The permittee shall at all times properly operate and maintain the facility and systems of treatment and control (and related appurtenances) that are installed or used by the permittee to achieve compliance with the conditions of this permit, as required by department rules. This provision includes the operation of backup or auxiliary facilities or similar systems when necessary to achieve compliance with the conditions of the permit and when required by department rules.

PERMITTEE:

Stone Container Corporation

I.D. Number: 10PCY03000901

Permit/Certification Number: A003-1341024

Date of Issue: MAR 21 1988

Expiration Date: March 1, 1993

GENERAL CONDITIONS:

7. The permittee, by accepting this permit, specifically agrees to allow authorized department personnel, upon presentation of credentials or other documents as may be required by law, access to the premises, at reasonable times, where the permitted activity is located or conducted for the purpose of:

- a. Having access to and copying any records that must be kept under the conditions of this permit;
- b. Inspecting the facility, equipment, practices, or operations regulated or required under this permit; and,
- c. Sampling or monitoring any substances or parameters at any location reasonably necessary to assure compliance with this permit or department rules.

Reasonable time may depend on the nature of the concern being investigated.

8. If, for any reason, the permittee does not comply with or will be unable to comply with any condition or limitation specified in this permit, the permittee shall immediately notify and provide the department with the following information:

- a. A description of and cause of noncompliance; and
- b. The period of noncompliance, including exact dates and times; or, if not corrected, the anticipated time the noncompliance is expected to continue, and steps being taken to reduce, eliminate, and prevent recurrence of the noncompliance.

The permittee shall be responsible for any and all damages which may result and may be subject to enforcement action by the department for penalties or revocation of this permit.

9. In accepting this permit, the permittee understands and agrees that all records, notes, monitoring data and other information relating to the construction or operation of this permitted source, which are submitted to the department, may be used by the department as evidence in any enforcement case arising under the Florida Statutes or department rules, except where such use is prescribed by Sections 403.73 and 403.111, Florida Statutes.

PERMITTEE: I.D. Number: 10PCY03000901
Stone Container Corporation Permit/Certification Number: A003-141024
Date of Issue: MAR 21 1988
Expiration Date: March 1, 1993

GENERAL CONDITIONS:

10. The permittee agrees to comply with changes in department rules and Florida Statutes after a reasonable time for compliance, provided however, the permittee does not waive any other rights granted by Florida Statutes or department rules.

11. This permit is transferable only upon department approval in accordance with Florida Administrative Code Rules 17-4.12 and 17-30.30, as applicable. The permittee shall be liable for any noncompliance of the permitted activity until the transfer is approved by the department.

12. This permit is required to be kept at the work site of the permitted activity during the entire period of construction or operation.

13. The permittee shall comply with the following monitoring and record keeping requirements:

- a. Upon request, the permittee shall furnish all records and plans under department rules. The retention period for all records will be extended automatically, unless otherwise stipulated by the department, during the course of any unresolved enforcement action.
- b. The permittee shall retain at the facility or other location designated by this permit records of all monitoring information (including all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation), copies of all reports required by this permit, and records of all data used to complete the application for this permit. The time period of retention shall be at least three years from the date of the sample, measurement, report or application unless otherwise specified by department rule.
- c. Records of monitoring information shall include:
 - the date, exact place, and time of sampling or measurement;
 - the person responsible for performing the sampling or measurement;
 - the date(s) analyses were performed;
 - the person responsible for performing the analyses;
 - the analytical techniques or methods used; and
 - the results of such analyses.

PERMITTEE: I.D. Number: 10PCY03000901
Stone Container Corporation Permit/Certification Number: A003-141024
Date of Issue: MAR 21 1988
Expiration Date: March 1, 1993

GENERAL CONDITIONS:

14. When requested by the department, the permittee shall within a reasonable time furnish any information required by law which is needed to determine compliance with the permit. If the permittee becomes aware that relevant facts were not submitted or were incorrect in the permit application or in any report to the department, such facts or information shall be submitted or corrected promptly.

SPECIFIC CONDITIONS:

15. The maximum allowable operating rate is 123,700 pounds of black liquor solids per hour. This is the operating rate at which compliance with standards shall be demonstrated.

16. Particulate emissions shall not exceed 112.5 pounds per hour at operating rate of 112,500 pounds of black liquor solids or higher. At lesser operating rates, the particulate emissions shall not exceed 3 pounds per 3,000 pounds of black liquor solids fed.

17. TRS emissions shall not exceed 17.5 ppm by volume on a dry basis at standard conditions corrected to 8% oxygen as a 12-hour average.

18. Visible emissions shall not exceed 45% opacity except that up to 60% shall be allowed for one six-minute period during any one hour.

19. Particulates and visible emissions tests are required to show continuing compliance with the standards of the Department. The test results must provide reasonable assurance that the source is capable of compliance at the permitted maximum operating rate. Tests shall be conducted in accordance with EPA methods 1, 2, 3, 5 and 9. Such tests shall be conducted once per year before the end of October. Results shall be submitted to the Department within 45 days after testing. The Department shall be notified at least 15 days prior to testing to allow witnessing.

20. Florida Administrative Code (FAC) Rules 17-2.710(3) and (4) are attached.

The TRS continuous emissions monitoring (CEM) system shall be operated, calibrated and maintained in accordance with FAC Rule 17-2.710(3)(b), specifically:

A. Daily low level (0-20% of span) and span (90 to 100%) drift calibrations, with adjustments as required.

B. The 12-hour average TRS emissions concentration, corrected to 8% oxygen shall be calculated for comparison against the standard.

PERMITTEE:
Stone Container Corporation

I.D. Number: 10PCY03000901
Permit/Certification Number: A003-141024
Date of Issue: **MAR 21 1988**
Expiration Date: March 1, 1993

SPECIFIC CONDITIONS:

A written report summarizing all instances of excess emissions shall be submitted to the Department quarterly (postmarked by the 30th day following the end of each calendar quarter) in accordance with FAC Rule 17-2.710(4). In addition, all instances of excess emissions shall be reported to the Northwest District Panama City Branch Office as soon as possible by telephone.

The file of CEM information shall be maintained in accordance with FAC Rule 17-2.710(4)(b) and shall be available for Department inspections.

21. An annual operation report (DER Form 17-1.202(6) attached) shall be submitted by March 1 each year. The attached form shall be reproduced by the permittee and used for future annual submittals.

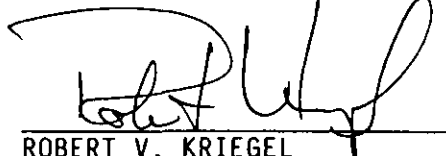
22. The permanent source identification number for this point source is 10PCY03000901. Please cite this number on all test reports and other correspondence specific to this permitted point source.

Expiration date:

Issued this 21st day of March,
1988.

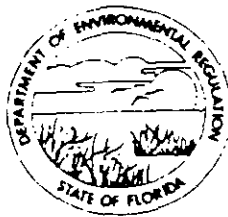
March 1, 1993

STATE OF FLORIDA DEPARTMENT
OF ENVIRONMENTAL REGULATION



ROBERT V. KRIEGEL
District Manager

STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL REGULATION



NORTHWEST DISTRICT

160 GOVERNMENTAL CENTER
PENSACOLA, FLORIDA 32501

BOB GRAHAM
GOVERNOR

VICTORIA J. TSCHINKEL
SECRETARY

ROBERT V. KRIEDEL
DISTRICT MANAGER

ANNUAL OPERATION REPORT FORM FOR AIR EMISSIONS SOURCES

For each permitted emission point, please submit a separate report for calendar year 19__
prior to March 1st of the following year.

I GENERAL INFORMATION

1. Source Name: _____
2. Permit Number: _____
3. Source Address: _____

4. Description of Source: _____

II ACTUAL OPERATING HOURS: _____ hrs/day _____ days/wk _____ wks/yr

III RAW MATERIAL INPUT PROCESS WEIGHT: (List separately all materials put into process
and specify applicable units if other than tons/yr)

| Raw Material | Input Process Weight |
|--------------|----------------------|
| _____ | _____ tons/yr |
| _____ | _____ tons/yr |
| _____ | _____ tons/yr |
| _____ | _____ tons/yr |
| _____ | _____ tons/yr |

IV PRODUCT OUTPUT (Specify applicable units)

V TOTAL FUEL USAGE including standby fuels. If fuel is oil, specify type and sulfur content (e.g., No. 6 oil with 1% S).

_____ 10⁶ cubic feet Natural Gas _____ 10³ Kerosene
_____ 10³ gallons _____ Oil, _____ %S _____ tons Coal
_____ 10³ gallons Propane _____ tons Carbonaceous
_____ 10⁶ Black Liquor Solids _____ tons Refuse

Other (Specify type and units) _____

VI EMISSION RATE(S) (tons/yr)

_____ Particulates _____ Sulfur Dioxide _____ Total Reduced Sulfur
_____ Nitrogen Oxide _____ Carbon Monoxide _____ Fluoride
_____ Hydrocarbon Other (Specify type and units) _____

VII METHOD OF CALCULATING EMISSION RATES (e.g., use of fuel and materials balance, emission factors drawn from AP 42, etc.)

VIII CERTIFICATION:

I hereby certify that the information given in this report is correct to the best of my knowledge.

SIGNATURE OF OWNER OR
AUTHORIZED REPRESENTATIVE

TYPED NAME AND TITLE

DATE

(c) Where two or more sources as set forth in Subsection (1)(a) emit through a common stack, continuous monitoring systems, if required, shall be installed on each source prior to combination of the emission.

(2) Quarterly Reporting Requirements for Fossil Fuel Steam Generators and Sulfuric Acid Plants - The owners or operators of facilities for which monitoring is required shall submit to the Department a written report of emissions in excess of emission limiting standards as set forth in Section 17-2.600(5) and (6) for each calendar quarter. The nature and cause of the excessive emissions shall be explained. This report does not relieve the owner or operator of the legal liability for violations. All recorded data shall be maintained on file by the Source for a period of two (2) years.

17-2.710 (3) General Requirements - Kraft (Sulfate) Pulp Mills. Each owner or operator of a kraft (sulfate) pulp mill or tall oil plant shall install continuous monitoring systems for monitoring total reduced sulfur (TRS) emissions, or the performance of total reduced sulfur air pollution control systems as specified in this subsection.

(a) Straight kraft recovery furnaces, whether new or old design, cross recovery furnaces, lime kilns and calciners, shall be equipped with total reduced sulfur continuous emissions monitoring systems as specified in Rule 17-2.710(3)(b), FAC. All digester systems and multiple effect evaporator systems, shall be equipped with total reduced sulfur continuous emissions monitoring systems as specified in Rule 17-2.710(3)(b), FAC, (Continuous Emission Monitoring) if a technology other than incineration is used.

(b) Continuous determination of total reduced sulfur emissions from stationary sources.

1. A total reduced sulfur continuous emissions monitoring system shall be installed, calibrated, certified and operated pursuant to all of the following provisions:

a. The continuous emissions monitoring system shall monitor and record the concentration of total reduced sulfur (TRS) emissions on a dry basis and the percentage of oxygen by volume on a dry basis.

b. The continuous emissions monitoring system shall complete a minimum of one cycle of operation (sampling, analyzing, and data recording) for each successive 15-minute period.

c. The continuous emissions monitoring system shall be located downstream of the control device such that representative measurements of process parameters can be obtained.

d. The continuous emissions monitoring system shall be located, installed and certified pursuant to the provisions of 40 CFR 60, Appendix B, Performance Specification 2 and Performance Specification 3, 48 FR 23610, May 25, 1983; and 40 CFR 60, Appendix B, Performance Specification 5, 48 FR 32986, July 20, 1983 which are adopted by reference. The exception is that the phrase "or other approved alternative" in 3.2 of Performance Specification 5 is not adopted. For the purposes of compliance testing and certification of continuous emissions monitoring systems, 40 CFR 60, Appendix A, Reference Method 15, July 1, 1983, and Method 16A, 50 FR 09579 (03/08/85) are adopted by reference.

17-2.710(1)(c) -- 17-2.710(3)(b)1.d.

e. The continuous emissions monitoring system shall be in continuous operation, except when the source is not operating, or during system breakdowns, repairs, calibration checks, and zero and span adjustments.

f. During any initial compliance tests conducted pursuant to Rule 17-2.700, FAC, or within 30 days thereafter, and at such times as may be required by the Department, the owner or operator of any affected source shall conduct continuous monitoring system performance evaluations and furnish the Department within sixty days thereof two, or more if requested, copies of a written report of the results of such tests. These continuous emissions monitoring systems performance evaluations shall be conducted in accordance with the requirements and procedures contained in Rule 17-2.710(3)(b)1.d., FAC.

g. The continuous emissions monitoring system shall have a maximum span value not to exceed:

(i) A total reduced sulfur concentration of 30 ppm for the total reduced sulfur continuous emissions monitoring system on any new design direct-fired kraft recovery furnace that is not a new design direct-fired suspension-burning kraft recovery furnace, incinerator, digester system or multiple effect evaporator system.

(ii) A total reduced sulfur concentration of 50 ppm for the total reduced sulfur continuous emissions monitoring system on any old design kraft recovery furnace, new design kraft recovery furnace that is not direct-fired, new design direct-fired suspension-burning kraft recovery furnace, cross recovery furnace, lime kiln or calciner.

(iii) 20 percent oxygen for the continuous oxygen monitoring system.

h. The continuous emissions monitoring system shall be checked by the owner or operator in accordance with a written procedure at least once daily and after any maintenance to the system. The owner or operator shall check the zero (or low level value between 0 and 20 percent of span value) and span (90 to 100 percent of span value) calibration drifts. The zero and span shall be adjusted, as a minimum, whenever the 24-hour zero drift or 24-hour span drift exceeds two times the limits of the applicable performance specifications referenced in Rule 17-2.710(3)(b)1.d., FAC. The system must allow the amount of excess zero and span drift measured at the 24-hour interval checks to be recorded and quantified.

2. The owner or operator of any source of total reduced sulfur emissions who is required to install a total reduced sulfur continuous emissions monitoring system pursuant to Rule 17-2.710(3)(a), FAC, shall:

a. Reduce all data to one-hour averages for each 60-minute period beginning on the hour. One-hour averages shall be computed from a minimum of four data points equally spaced over each one-hour period. Data recorded during periods of system breakdowns, repairs, calibration checks, and zero and span adjustments shall not be included in the computation. Either an arithmetic or integrated average shall be used. The data output of the continuous emissions monitoring system may, at the owner's or operator's option, include a numerical format showing individual numerical readings and averages in addition to the required strip chart format with legible ink tracings and calibration information. All data output shall be clearly and properly

17-2.710(3)(b)1.e. -- 17-2.710(3)(b)2.a.

identified by the operator. All system breakdowns, repairs, calibration checks, span adjustments and periods of excess emissions shall legibly appear on all data output.

b. Calculate and record on a daily basis the 12-hour average total reduced sulfur concentrations for two consecutive 12-hour periods of each operating day. Each 12-hour average shall be determined as the arithmetic mean of the appropriate 12 contiguous one-hour average total reduced sulfur concentrations provided by the continuous emissions monitoring system.

c. Calculate and record on a daily basis 12-hour average oxygen concentrations for two consecutive 12-hour periods of each operating day. These 12-hour averages shall correspond to the 12-hour average total reduced sulfur concentrations from Rule 17-2.710(3)(b)2.b., FAC, and shall be determined as an arithmetic mean of the appropriate 12 contiguous one-hour average oxygen concentrations provided by each continuous emissions monitoring system.

d. Correct all 12-hour average total reduced sulfur (TRS) concentrations using the following equation:

$$C_{corr} = C_{meas} (21-X)/(21-Y)$$

where:

C_{corr} = the TRS concentration corrected for oxygen.

C_{meas} = the TRS concentration uncorrected for oxygen.

X = the volumetric oxygen concentration in percentage that the measured TRS concentration is to be corrected to (8 percent for all recovery furnaces and 10 percent for all lime kilns, incinerators or other devices, except those sources subject to Rule 17-2.600(4)(c)1.b., FAC, and Rule 17-2.600(4)(c)2., FAC, which shall be corrected to the actual oxygen content of the untreated flue gas stream).

Y = the measured 12-hour average volumetric oxygen concentration.

e. The data shall be rounded to the same number of significant digits as the standard.

(c) Incinerators subject to Rule 17-2.600(4)(c)6., FAC, shall be equipped with devices to continuously monitor temperature at the point of combustion and oxygen. The temperature devices shall be certified by the manufacturer to be accurate to within ± 1 percent of the temperature being measured. The oxygen monitors shall be certified by the manufacturer to be accurate to within 0.1 percent oxygen by volume.

(d) The owner or operator of any kraft pulp mill shall provide the Department with a list of physical and chemical parameters for each regulated source of total reduced sulfur emissions that is not required to be equipped with a total reduced sulfur continuous emissions monitor, which will be regularly monitored to demonstrate that the source is being operated in a manner that can reasonably be expected to result in compliance with the applicable total reduced sulfur emission limiting standards. The owner or operator shall provide information showing the correlation between the specific magnitudes of the specific surrogate parameters and the associated emissions of total reduced sulfur. The owner or operator shall recommend the frequency and method of monitoring for each parameter. The Department shall issue notice to the company pursuant to Rule 17-103, FAC, that specifies the parameters that are to be monitored, the frequency of monitoring, and the

17-2.710(3)(b)2.a. -- 17-2.710(3)(d)

parameter limits that must be maintained. The parameters, parameter limits and frequency of monitoring shall become a modification to the permit for each affected source. Excess emissions shall be deemed to occur if the parameters exceed the parameter limits specified in the permit.

Such parameter limits may be in the form of the applicable total reduced sulfur emission standard, if an equation is used that estimates the 12-hour average total reduced sulfur emission rate based on the surrogate parameter values during each 12-hour averaging period; or the parameter limits may be in the form of specific parameter values that are not to be exceeded (or dropped below) more often than a specified period of time during each 12-hour averaging period.

(4) Quarterly Reporting Requirements - Kraft (Sulfate) Pulp Mills. The owner or operator of any digester system, multiple effect evaporator system, condensate stripper system, tall oil plant, kraft recovery furnace, lime kiln, calciner or other source subject to the provisions of Rule 17-2.710, FAC, (Continuous Monitoring Requirements) shall submit a written total reduced sulfur emissions and surrogate parameter data report to the Department post-marked by the 30th day following the end of each calendar quarter.

(a) The report shall include the following information:

1. The magnitude of excess emissions and the date and time of commencement and completion of each time period in which excess emissions occurred.

2. Specific identification of each period of excess emissions that occurs including startups, shutdowns, and malfunctions of the affected facility. An explanation of the cause of each period of excess emissions, and any corrective action taken or preventive measures adopted. Excess emissions shall be all 12-hour periods for which the appropriate surrogate parameter data or total reduced sulfur continuous emissions monitoring data indicates that an applicable 12-hour average total reduced sulfur emission limiting standard for the source was exceeded.

3. The date and time identifying each period during which each continuous emissions monitoring system used to measure total reduced sulfur emissions or surrogate parameters was inoperative except for zero and span checks, and the nature of the system repairs or adjustments.

4. When no excess emissions have occurred or the continuous emissions monitoring system(s) have not been operative, or have been repaired or adjusted, such information shall be stated in the report.

(b) Any owner or operator subject to the provisions of Rule 17-2.710(3) and (4), FAC, shall maintain a complete file of all measurements, including continuous emissions monitoring system, monitoring device, and performance testing measurements; all continuous emissions monitoring system performance evaluations; all continuous emissions monitoring system or monitoring device calibration checks; adjustments and maintenance performed on these systems or devices; and all other information required, recorded in a permanent legible form suitable for inspection. The file shall be retained for at least two years following the date of such measurements, maintenance, reports and records.

(c) Evaluation of Excess Emissions. The Department shall consider periods of excess emissions from any kraft recovery furnace, lime kiln,

17-2.710(3)(d) -- 17-2.710(4)(c)

calciner or any other regulated TRS emitting source to be evidence of improper operation and maintenance of the monitored source provided that:

1. For kraft recovery furnaces subject to the emissions limits of Rule 17-2.600(4)(c)3., FAC, the excess emissions occur during more than one percent of the total number of possible contiguous 12-hour periods of excess emissions in a calendar quarter rounded to the nearest whole number (excluding only the actual 12-hour periods during which a startup, shutdown or malfunction of the kraft recovery furnace occurred and only the actual 12-hour periods when the kraft recovery furnace was not operating), or

2. For lime kilns and calciners subject to the emissions limits of Rule 17-2.600(4)(c)5., FAC, the excess emissions occur during more than two percent of the total number of possible contiguous 12-hour periods of excess emissions in a calendar quarter rounded to the nearest whole number (excluding only the actual 12-hour periods during which a startup, shutdown or malfunction of the lime kiln, calciner, or their control equipment occurred and only the actual 12-hour periods when the lime kiln or calciner was not operating), or

3. For other regulated non-NSPS total reduced sulfur emitting sources, the excess emissions as indicated by the appropriate surrogate parameters occur during more than one percent of the total number of possible contiguous 12-hour periods of excess emissions in a calendar quarter rounded to the nearest whole number (excluding only the actual 12-hour periods during which a startup, shutdown, or malfunction of the source or its control equipment occurred and only the actual 12-hour periods when the source was not operating), and

4. The Department determines that the affected facility, including air pollution control equipment, is not maintained and operated in a manner which is consistent with good air pollution control practice for minimizing emissions. Such determination may be based on the failure of the owner or operator of the facility to provide adequate explanation of the exceedances together with the appropriate records for maintenance and operation of the source and related equipment. Good air pollution control practices shall include, but not necessarily be limited to:

a. Operation of all equipment within permit limits for loading rates and other process parameters,

b. An adequate preventive maintenance program based on manufacturer's recommendations or other accepted industry practices,

c. Appropriate training of personnel in the operation and maintenance of equipment, and

d. Visual and instrument inspections of equipment on a regular basis, and

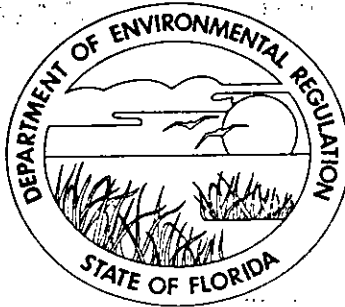
e. Maintenance of an adequate on-site, or readily available, supply of equipment for routine repairs.

(d) The owner or operator of any kraft pulp mill or tall oil plant shall notify the Department in writing within fourteen days of the date on which periods of excess emissions exceed the percentages allowed by Rule 17-2.710(4)(b)1.-3., FAC.

Specific Authority: 403.051, F.S.

Law Implemented: 403.021, 403.031, 403.051, 403.087, F.S.

History: Formerly 17-2.07, 17-2.08; Revised 1-18-72; Amended 1-3-78; Amended and Renumbered 6-8-78; Renumbered 11-1-81; Amended 1-12-81, 4-10-85, 10-20-86.



**STATE OF FLORIDA
DEPARTMENT OF
ENVIRONMENTAL REGULATION**

SOUTHWEST FOREST INDUSTRIES
BAY COUNTY
RECOVERY BOILER #1

**OPERATION
PERMIT**

NO. AO03-63151

DATE OF ISSUANCE

February 11, 1983

DATE OF MODIFICATION

July 25, 1986

DATE OF EXPIRATION

January 1, 1988

Robert V. Kriegel

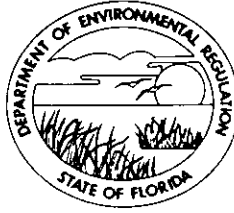
ROBERT V. KRIEGEL
District Manager

STATE OF FLORIDA

DEPARTMENT OF ENVIRONMENTAL REGULATION

NORTHWEST DISTRICT

160 GOVERNMENTAL CENTER
PENSACOLA, FLORIDA 32501-5794



BOB GRAHAM
GOVERNOR

VICTORIA J. TSCHINKEL
SECRETARY

ROBERT V. KRIEDEL
DISTRICT MANAGER

PERMITTEE:

Southwest Forest
Industries

I.D. Number: 10/03/0009/01
Permit/Certification Number: A003-63151
Date of Issue: February 11, 1983
Date of Modification: JUL 25 1986

Expiration Date: January 1, 1988
County: Bay
Latitude/Longitude: 30°08'31"N/85°37'16"W
Section/Township/Range: Parker/4S/14W
Project: Recovery Boiler #1

This permit is issued under the provisions of Chapter 403, Florida Statutes, and Florida Administrative Code Rules 17-2 and 17-4. The above named applicant, hereinafter called Permittee, is hereby authorized to perform the work or operate the facility shown on the application and approved drawing(s), plans, and other documents attached hereto or on file with the department and made a part hereof and specifically described as follows:

Operation of Recovery Boiler #1 to produce 398,000 pounds of steam per hour. Fueled by 112,500 pounds of black liquor solids per hour; #6 fuel oil or natural gas is used as auxiliary fuel. The maximum sulfur content of the fuel oil is 2.5%. Particulates are controlled by an electrostatic precipitator manufactured by Koppers, two sections of four fields each. Total reduced sulfur (TRS) emissions are controlled by oxidation of the black liquor prior to entering boiler fire box.

Located: #1 Everett Avenue, Parker (Panama City).

This recovery boiler shall be subject to TRS emission standards of Florida Administrative Code (FAC) Rule 17-2.600(4)(c)3.a.(i), the Continuous Emission Monitoring requirements of FAC Rule 17-2.710(3)(a) and (b), and the Compliance Schedules of FAC Rules 17-2.960(1) and 17-2.971(1)(a).

PERMITTEE: I.D. Number: 10/03/0009/01
Southwest Forest Industries Permit/Certification Number: A003-63151
Date of Issue: February 11, 1983
Date of Modification: JUL 25 1986
Expiration Date: January 1, 1988

GENERAL CONDITIONS:

7. The permittee, by accepting this permit, specifically agrees to allow authorized department personnel, upon presentation of credentials or other documents as may be required by law, access to the premises, at reasonable times, where the permitted activity is located or conducted for the purpose of:

- a. Having access to and copying any records that must be kept under the conditions of the permit;
- b. Inspecting the facility, equipment, practices, or operations regulated or required under this permit; and
- c. Sampling or monitoring any substances or parameters at any location reasonably necessary to assure compliance with this permit or department rules.

Reasonable time may depend on the nature of the concern being investigated.

8. If, for any reason, the permittee does not comply with or will be unable to comply with any condition or limitation specified in this permit, the permittee shall immediately notify and provide the department with the following information:

- a. A description of and cause of noncompliance; and
- b. The period of noncompliance, including exact dates and times; or, if not corrected, the anticipated time the noncompliance is expected to continue, and steps being taken to reduce, eliminate, and prevent recurrence of the noncompliance.

The permittee shall be responsible for any and all damages which may result and may be subject to enforcement action by the department for penalties or revocation of this permit.

9. In accepting this permit, the permittee understands and agrees that all records, notes, monitoring data and other information relating to the construction or operation of this permitted source, which are submitted to the department, may be used by the department as evidence in any enforcement case arising under the Florida Statutes or department rules, except where such use is proscribed by Sections 403.73 and 403.111, Florida Statutes.

PERMITTEE:

Southwest Forest Industries I.D. Number: 10/03/0009/01
Permit/Certification Number: A003-63151
Date of Issue: February 11, 1983
Date of Modification: JUL 25 1986

Expiration Date: January 1, 1988

GENERAL CONDITIONS:

10. The permittee agrees to comply with changes in department rules and Florida Statutes after a reasonable time for compliance, provided however, the permittee does not waive any other rights granted by Florida Statutes or department rules.
11. This permit is transferable only upon department approval in accordance with Florida Administrative Code Rules 17-4.12 and 17-30.30, as applicable. The permittee shall be liable for any noncompliance of the permitted activity until the transfer is approved by the department.
12. This permit is required to be kept at the work site of the permitted activity during the entire period of construction or operation.
13. The permittee shall comply with the following monitoring and record keeping requirements:
 - a. Upon request, the permittee shall furnish all records and plans under department rules. The retention period for all records will be extended automatically, unless otherwise stipulated by the department, during the course of any unresolved enforcement action.
 - b. The permittee shall retain at the facility or other location designated by this permit records of all monitoring information (including all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation), copies of all reports required by this permit, and records of all data used to complete the application for this permit. The time period of retention shall be at least three years from the date of the sample, measurement, report or application unless otherwise specified by department rule.
 - c. Records of monitoring information shall include:
 - the date, exact place, and time of sampling or measurement;
 - the person responsible for performing the sampling or measurement;
 - the date(s) analyses were performed;
 - the person responsible for performing the analyses;
 - the analytical techniques or methods used; and
 - the results of such analyses.

PERMITTEE: I.D. Number: 10/03/0009/01
Southwest Forest Industries Permit/Certification Number: A003-63151
Date of Issue: February 11, 1983
Date of Modification: JUL 25 1986
Expiration Date: January 1, 1988

GENERAL CONDITIONS:

14. When requested by the department, the permittee shall within a reasonable time furnish any information required by law which is needed to determine compliance with the permit. If the permittee becomes aware that relevant facts were not submitted or were incorrect in the permit application or in any report to the department, such facts or information shall be submitted or corrected promptly.

SPECIFIC CONDITIONS:

15. The maximum allowable operating rate is 112,500 pounds of black liquor solids per hour. This is the operating rate at which compliance with standards shall be demonstrated.

16. Particulate emissions shall not exceed 112.5 pounds per hour at the maximum allowable operating rate. At lesser operating rates the particulate emissions shall not exceed 3 pounds per 3,000 pounds of black liquor solids fed.

17. TRS emissions shall not exceed 17.5 ppm by volume on a dry basis at standard conditions corrected to 8% oxygen as a 12-hour average. Compliance with this standard shall become effective with installation and certification of continuous emission monitoring system (Condition 19) unless delayed by an acceptable plan and schedule submitted in accordance with Condition 20 below.

18. Particulates emissions tests are required to show continuing compliance with the standards of the Department. The test results must provide reasonable assurance that the source is capable of compliance at the permitted maximum operating rate. Tests shall be conducted in accordance with EPA methods 1, 2, 3 and 5. Such tests shall be conducted once per year before the end of September. Results shall be submitted to the Department within 45 days after testing. The Department shall be notified at least 15 days prior to testing to allow witnessing.

19. A continuous emission monitor system that complies with performance specifications of FAC Rule 17-2.710(3) shall be installed on the recovery boiler emissions prior to April 1, 1986. This system shall be certified and in operation by July 1, 1986.

PERMITTEE: I.D. Number: 10/03/0009/01
Southwest Forest Industries Permit/Certification Number: AO03-63151
Date of Issue: February 11, 1983
Date of Modification: JUL 25 1986
Expiration Date: January 1, 1988

SPECIFIC CONDITIONS:

20. If continuing compliance with TRS emission standard (Condition 17) is not demonstrated by the continuous monitoring system, the permittee shall submit an acceptable plan and schedule to achieve final compliance. This plan and schedule shall be submitted to the Department as expeditiously as possible but no later than six months after May 12, 1986. The plan and schedule shall specify the applicability of FAC Rule 17-2.960(1)(c) [final compliance prior to 18 months after May 12, 1986] or FAC Rule 17-2.960(1)(d) [final compliance prior to 36 months after May 12, 1986].

21. For emissions inventory purposes, the TRS emissions required to be met by this source on the date of final compliance is estimated to be less than 18.19 pounds per hour (79.68 tons per year).

Also for emissions inventory purposes, the 1985 compliance tests (one series) showed emissions of 7.99 pounds per hour. Without continuous testing no estimate of tons per year is possible. For the interim period (prior to final compliance), it is estimated that the final compliance emissions shall not be exceeded.

22. An annual operation report (DER Form 17-1.202(6) attached) shall be submitted by March 1 each year. The attached form shall be reproduced by the permittee and used for future annual submittals.

23. The permanent source identification number for this point source is 10/03/0009/01. Please cite this number on all test reports and other correspondence specific to this permitted point source.

Expiration Date: Modified this 25 day of July, 1986.

January 1, 1988

STATE OF FLORIDA DEPARTMENT
OF ENVIRONMENTAL REGULATION

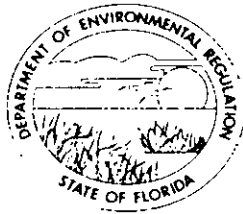
Norman L. Richards for
ROBERT V. KRIEDEL
District Manager

STATE OF FLORIDA

DEPARTMENT OF ENVIRONMENTAL REGULATION

NORTHWEST DISTRICT

160 GOVERNMENTAL CENTER
PENSACOLA, FLORIDA 32501-5794



BOB GRAHAM
GOVERNOR

VICTORIA J. TSCHINKEL
SECRETARY

ROBERT V. KRIEDEL
DISTRICT MANAGER

July 25, 1986

Mr. J. F. Stewart
Vice-President & General Manager
Southwest Forest Industries
Post Office Box 2560
Panama City, Florida 32401

Dear Mr. Stewart:

By this letter, permit numbers AO03-63151, 78464, 63149, 78459, 63150, 90960 and 90958 are modified to include the following additional specific condition:

To comply with the requirements of FAC Rule 17-2.971(3)(b), the permittee shall continue to operate in the manner described in letter from L. D. Riley, Jr., dated July 16, 1986, to minimize TRS emissions during the interim period prior to final compliance.

This letter shall be attached to and made a part of each of the referenced permits.

Sincerely,

Robert V. Kriegel
District Manager

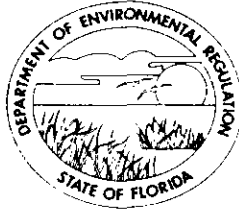
RVK/jpl

STATE OF FLORIDA

DEPARTMENT OF ENVIRONMENTAL REGULATION

NORTHWEST DISTRICT

160 GOVERNMENTAL CENTER
PENSACOLA, FLORIDA 32501-5794



BOB GRAHAM
GOVERNOR

VICTORIA J. TSCHINKEL
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ROBERT V. KRIEDEL
DISTRICT MANAGER

July 25, 1986

Mr. J. F. Stewart
Vice-President & General Manager
Southwest Forest Industries
Post Office Box 2560
Panama City, Florida 32401

Dear Mr. Stewart:

By this letter, permit numbers A003-63151, 78464, 63149, 78459, 63150, 90960 and 90958 are modified to include the following additional specific condition:

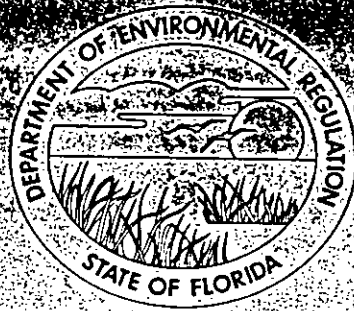
To comply with the requirements of FAC Rule 17-2.971(3)(b), the permittee shall continue to operate in the manner described in letter from L. D. Riley, Jr., dated July 16, 1986, to minimize TRS emissions during the interim period prior to final compliance.

This letter shall be attached to and made a part of each of the referenced permits.

Sincerely,

Robert V. Kriegel
District Manager

RVK/jpl



STATE OF FLORIDA
DEPARTMENT OF
ENVIRONMENTAL REGULATION

Southwest Forest Industries
Recovery Boiler #1
Bay County


OPERATION
PERMIT

NO. A003-63151

DATE OF ISSUANCE
FEB 11 1983

DATE OF EXPIRATION

January 1, 1988

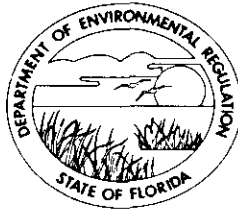

Robert V. Krieger
District Manager

STATE OF FLORIDA

DEPARTMENT OF ENVIRONMENTAL REGULATION

NORTHWEST DISTRICT

160 GOVERNMENTAL CENTER
PENSACOLA, FLORIDA 32501-5794



BOB GRAHAM
GOVERNOR

VICTORIA J. TSCHINKEL
SECRETARY

ROBERT V. KRIEGEL
DISTRICT MANAGER

PERMITTEE:

Southwest Forest
Industries

I.D. Number: 10/03/0009/01

Permit/Certification Number: A003-63151

Date of Issue: **FEB 11 1983**

Expiration Date: January 1, 1988

County: Bay

Latitude/Longitude: 30° 08' 31"/85° 37' 16"

Section/Township/Range: Parker/4S/13W

Project: Recovery Boiler #1

This permit is issued under the provisions of Chapter 403, Florida Statutes, and Florida Administrative Code Rules 17-2 and 17-4. The above named applicant, hereinafter called Permittee, is hereby authorized to perform the work or operate the facility shown on the application and approved drawing(s), plans, and other documents attached hereto or on file with the department and made a part hereof and specifically described as follows:

Operation of Recovery Boiler #1 - 398,000 pounds of steam per hour and 61,875 pounds (solids as Na_2SO_4) of green liquor per hour are produced. Fueled by 112,500 pounds per hour of black liquor solids with #6 fuel oil and natural gas as auxiliary fuels. The fuel oil has a maximum of 2.5% sulfur. Particulates are controlled by an electrostatic precipitator, manufactured by Koppers, two sections of four cells each. Total reduced sulfur (TRS) emissions are controlled by oxidation of the black liquor prior to entering boiler fire box.

Located: #1 Everett Avenue, Panama City

PERMITTEE:
Southwest Forest
Industries

I.D. Number: 10/03/0009/01
Permit/Certification Number: A003-63151
Date of Issue: FEB 11 1983

Expiration Date: January 1, 1988

GENERAL CONDITIONS:

1. The terms, conditions, requirements, limitations, and restrictions set forth herein are "Permit Conditions", and as such are binding upon the permittee and enforceable pursuant to the authority of Sections 403.161, 403.727, or 403.859 through 403.861, Florida Statutes. The permittee is hereby placed on notice that the Department will review this permit periodically and may initiate enforcement action for any violation of the "Permit Conditions" by the permittee, its agents, employees, servants or representatives.
2. This permit is valid only for the specific processes and operations applied for and indicated in the approved drawings or exhibits. Any unauthorized deviation from the approved drawings, exhibits, specifications, or conditions of this permit may constitute grounds for revocation and enforcement action by the department.
3. As provided in Subsections 403.087(6) and 403.722(5), Florida Statutes, the issuance of this permit does not convey any vested rights or any exclusive privileges. Nor does it authorize any injury to public or private property or any invasion of personal rights, nor any infringement of federal, state or local laws or regulations. This permit does not constitute a waiver of or approval of any other department permit that may be required for other aspects of the total project which are not addressed in the permit.
4. This permit conveys no title to land or water, does not constitute state recognition or acknowledgement of title, and does not constitute authority for the use of submerged lands unless herein provided and the necessary title or leasehold interests have been obtained from the state. Only the Trustees of the Internal Improvement Trust Fund may express state opinion as to title.
5. This permit does not relieve the permittee from liability for harm or injury to human health or welfare, animal, plant or aquatic life or property and penalties therefore caused by the construction or operation of this permitted source, nor does it allow the permittee to cause pollution in contravention of Florida Statutes and department rules, unless specifically authorized by an order from the department.
6. The permittee shall at all times properly operate and maintain the facility and systems of treatment and control (and related appurtenances) that are installed or used by the permittee to achieve compliance with the conditions of this permit, as required by department rules. This provision includes the operation of backup or auxiliary facilities or similar systems when necessary to achieve compliance with the conditions of the permit and when required by department rules.

PERMITTEE:
Southwest Forest
Industries

I.D. Number: 10/03/0009/01
Permit/Certification Number: A003-63151
Date of Issue: **FEB 11 1983**
Expiration Date: January 1, 1988

GENERAL CONDITIONS:

7. The permittee, by accepting this permit, specifically agrees to allow authorized department personnel, upon representation of credentials or other documents as may be required by law, access to the premises, at reasonable times, where the permitted activity is located or conducted for the purpose of:

- a. Having access to and copying any records that must be kept under the conditions of the permit;
- b. Inspecting the facility, equipment, practices, or operations regulated or required under this permit; and
- c. Sampling or monitoring any substances or parameters at any location reasonably necessary to assure compliance with this permit or department rules.

Reasonable time may depend on the nature of the concern being investigated.

8. If, for any reason, the permittee does not comply with or will be unable to comply with any condition or limitation specified in this permit, the permittee shall immediately notify and provide the department with the following information:

- a. A description of and cause of noncompliance; and
- b. The period of noncompliance, including exact dates and times; or, if not corrected, the anticipated time the noncompliance is expected to continue, and steps being taken to reduce, eliminate, and prevent recurrence of the noncompliance.

The permittee shall be responsible for any and all damages which may result and may be subject to enforcement action by the department for penalties or revocation of this permit.

9. In accepting this permit, the permittee understands and agrees that all records, notes, monitoring data and other information relating to the construction or operation of this permitted source, which are submitted to the department, may be used by the department as evidence in any enforcement case arising under the Florida Statutes or department rules, except where such use is proscribed by Sections 403.73 and 403.111, Florida Statutes.

PERMITTEE:
Southwest Forest
Industries

I.D. Number: 10/03/0009/01
Permit/Certification Number: A003-63151
Date of Issue: **FEB 11 1983**

Expiration Date: January 1, 1988

GENERAL CONDITIONS:

10. The permittee agrees to comply with changes in department rules and Florida Statutes after a reasonable time for compliance, provided however, the permittee does not waive any other rights granted by Florida Statutes or department rules.

11. This permit is transferable only upon department approval in accordance with Florida Administrative Code Rules 17-4.12 and 17-30.30, as applicable. The permittee shall be liable for any noncompliance of the permitted activity until the transfer is approved by the department.

12. This permit is required to be kept at the work site of the permitted activity during the entire period of construction or operation.

13. This permit also constitutes:

- () Determination of Best Available Control Technology (BACT)
- () Determination of Prevention of Significant Deterioration (PSD)
- () Certification of Compliance with State Water Quality Standards (Section 401, PL 92-500)
- () Compliance with New Source Performance Standards

14. The permittee shall comply with the following monitoring and record keeping requirements:

- a. Upon request, the permittee shall furnish all records and plans under department rules. The retention period for all records will be extended automatically, unless otherwise stipulated by the department, during the course of any unresolved enforcement action.
- b. The permittee shall retain at the facility or other location designated by this permit records of all monitoring information (including all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation), copies of all reports required by this permit, and records of all data used to complete the application for this permit. The time period of retention shall be at least three years from the date of the sample, measurement, report or application unless otherwise specified by department rule.

PERMITTEE:
Southwest Forest
Industries

I.D. Number: 10/03/0009/01
Permit/Certification Number: A003-63151
Date of Issue: FEB 11 1983

Expiration Date: January 1, 1988

GENERAL CONDITIONS:

c. Records of monitoring information shall include:

- the date, exact place, and time of sampling or measurement;
- the person responsible for performing the sampling or measurement;
- the date(s) analyses were performed;
- the person responsible for performing the analyses;
- the analytical techniques or methods used; and
- the results of such analysis.

15. When requested by the department, the permittee shall within a reasonable time furnish any information required by law which is needed to determine compliance with the permit. If the permittee becomes aware that relevant facts were not submitted or were incorrect in the permit application or in any report to the department, such facts or information shall be submitted or corrected promptly.

SPECIFIC CONDITIONS:

16. The maximum allowable operating rate is 112,500 pounds of black liquor solids per hour. This is the operating rate at which compliance with standards shall be demonstrated.

17. Particulate emissions shall not exceed 112.5 pounds per hour at the rated capacity of 112,500 pounds of black liquor solids per hour. At lesser operating rates the particulate emissions shall not exceed .0010 pounds per pound of black liquor solids.

18. Total reduced sulfur (TRS) emissions shall not exceed 17.5 parts per million.

19. Particulates and TRS tests are required to show continuing compliance with the standards of the Department. The test results must provide reasonable assurance that the source is capable of compliance at the permitted maximum operating rate. Tests shall be conducted in accordance with EPA methods 1, 2, 3 and 5 and with Barton TRS instrument (or equivalent). Such tests shall be conducted once per year before the end of September. Results shall be submitted to the Department within 45 days after testing. The Department shall be notified at least 15 days prior to testing to allow witnessing.

20. An annual operation report (DER Form 17-1.202(6) attached) shall be submitted by March 1 each year. The attached form shall be reproduced by the permittee and used for future annual submittals.

PERMITTEE:
Southwest Forest
Industries

I.D. Number: 10/03/0009/01
Permit/Certification Number: AO03-63151
Date of Issue: **FEB 11 1983**

Expiration Date: January 1, 1988

SPECIFIC CONDITIONS:

21. If at any time this source is not in compliance with standards and regulations of the Department or the conditions of this permit, the owner shall discontinue its use until measures are provided to correct the cause of such performance. The Department shall be advised of all such instances.

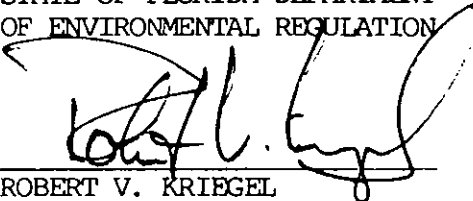
22. This source shall be operated in such a fashion so as to preclude objectionable odors.

Expiration Date:

January 1, 1988

Issued this 11th day of Feb,
1983.

STATE OF FLORIDA DEPARTMENT
OF ENVIRONMENTAL REGULATION

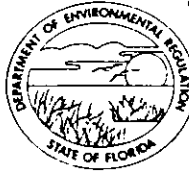


ROBERT V. KRIEGEL
District Manager

RECEIVED

DEC 03 1982

NORTHWEST FLORIDA
DER



PAID
\$500.00 mel
DEC 03 1982

17003-63151

STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL REGULATION

APPLICATION FOR RENEWAL OF
PERMIT TO OPERATE AIR POLLUTION SOURCE(S)

If major alterations have occurred, the applicant should complete the Standard Air Permit Application Form.

Source Type: No. 1 Recovery Boiler Renewal of DER Permit No.: A003-4717

Company Name: Southwest Forest Industries County: Bay

Identify the specific emission point source(s) addressed in this application (i.e.; Lime Kiln No. 4 with Venturi Scrubber; Peaking Unit No. 2. Gas Fired):

No. 1 Chemical Recovery Boiler

Source Location: Street: No. 1 Everitt Avenue City: Panama City, Florida

UTM: East 632.81 North 3,335.13

Latitude: 0 "N. Longitude: 0 "

(\$500)

- Attach herewith a twenty dollar (~~\$20~~) check made payable to the "Department of Environmental Regulation."
- Have there been any alterations to the plant since last permitted? Yes No
If minor alterations have occurred, describe on a separate sheet and attach.
- Attach the last compliance test report required per permit conditions if not submitted previously.
- Have previous permit conditions been adhered to? Yes No If no, explain on a separate sheet and attach.
- Has there been any malfunction of the pollution control equipment during tenure of current permit? Yes No
If yes, and not previously reported, give brief details and what action was taken on separate sheet and attach.
- Has the pollution control equipment been maintained to preserve the collection efficiency last permitted by the Department?
 Yes No
- Has the annual operating report for the last calendar year been submitted? Yes No If no, please attach.
- Please provide the following information if applicable:

A. Raw Materials and Chemical Used in Your Process:

| Description | Type | Contaminant | % Wt | Rate | Utilization | lbs/hr |
|---------------------|------|-------------|------|------|-------------|---------|
| Black Liquor Solids | | Unknown | | | | 112,500 |
| | | | | | | |
| | | | | | | |

B. Product Weight (lbs/hr): 61,875 Smelt as Na2SO4

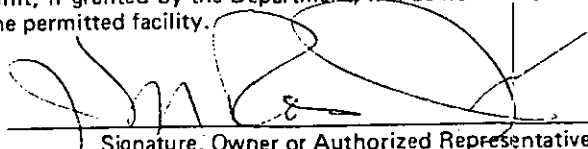
C. Fuels

| Type (Be Specific) | Consumption* | | Maximum Heat Input (MMBTU/hr) |
|-----------------------|--------------|----------|----------------------------------|
| | Avg/hr* | Max/hr** | |
| Black Liquor Solids | 99,100 | 112,500 | 686.25 |
| No. 6 Fuel Oil | 14 | 39 | 245.7 |
| Natural Gas | 0.4 | 0.4 | 4.4 |
| | | | |

D. Normal Equipment Operating Time: hrs/day 24 ; days/wk 7 ; wks/yr 350 ; hrs/yr (power plants only) _____ ; if seasonal, describe _____

The undersigned owner or authorized representative*** of _____ is fully aware that the statements made in this application for a renewal of a permit to operate an air pollution source are true, correct and complete to the best of his knowledge and belief. Further, the undersigned agrees to maintain and operate the pollution source and pollution control facilities in such a manner as to comply with the provisions of Chapter 403, Florida Statutes, and all the rules and regulations of the Department. He also understands that a permit, if granted by the Department, will be non-transferable and he will promptly notify the Department upon sale or legal transfer of the permitted facility.

Helen W. Mills
 Notary Public, State of Florida at Large
 My Commission Expires April 24, 1984
Bonded thru Troy F&N Insurance Inc.


 Signature, Owner or Authorized Representative
 (Notarization is mandatory)
 J. M. Ros, Jr.
 Vice-President and General Manager

 Typed Name and Title

No. 1 Everitt Avenue; P.O. Box 2560
 Address
Panama City, Florida 32401
 City State Zip
November 23, 1982 904/785-4311
 Date Telephone No.

*During actual time of operation.
 **Limits: Natural Gas-MMCF/hr; Fuel Oils-barrels/hr; Coal-lbs/hr.
 ***Attach a letter of authorization if not previously submitted.

STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
NOTICE OF PERMIT ISSUANCE



CERTIFIED MAIL

In the matter of an
Application for Permit
By:
Jack B. Prescott
General Manager
Stone Container Corporation
Post Office Box 2560
Panama City, Florida 32401

DEP File No. A003-240555
Bay County

Enclosed is Permit Number A003-240555 to operate the No. 2 Recovery Boiler, issued pursuant to Section 403.087, Florida Statutes.

A person whose substantial interests are affected by this permit may petition for an administrative proceeding (hearing) in accordance with Section 120.57, Florida Statutes. The petition must contain the information set forth below and must be filed (received) in the Office of General Counsel of the Department at 2600 Blair Stone Road, Tallahassee 32399-2400, within 14 days of receipt of this Permit. Petitioner shall mail a copy of the petition to the applicant at the address indicated above at the time of filing. Failure to file a petition within this time period shall constitute a waiver of any right such person may have to request an administrative determination (hearing) under Section 120.57, Florida Statutes.

The Petition shall contain the following information;

- (a) The name, address, and telephone number of each petitioner, the applicant's name and address, the Department Permit File Number and the county in which the project is proposed;
- (b) A statement of how and when each petitioner received notice of the Department's action or proposed action;
- (c) A statement of how each petitioner's substantial interests are affected by the Department's action or proposed action;
- (d) A statement of the material facts disputed by petitioner, if any;
- (e) A statement of facts which petitioner contends warrant reversal or modification of the Department's action or proposed action;
- (f) A statement of which rules or statutes petitioner contends require reversal or modification of the Department's action or proposed action; and
- (g) A statement of the relief sought by petitioner, stating precisely the action petitioner wants the Department to take with respect to the Department's action or proposed action.

If a petition is filed, the administrative hearing process is designed to formulate agency action. Accordingly, the Department's final action may be different from the position taken by it in this permit. Persons whose substantial interests will be affected by any decision of the Department with

regard to the application have the right to petition to become a party to the proceeding. The petition must conform to the requirements specified above and be filed (received) within 14 days of receipt of this notice in the Office of General Counsel at the above address of the Department. Failure to petition within the allowed time frame constitutes a waiver of any right such person has to request a hearing under Section 120.57, Florida Statutes, and to participate as a party to this proceeding. Any subsequent intervention will only be at the approval of the presiding officer upon motion filed pursuant to Rule 28-5.207, F.A.C.

This permit is final and effective on the date filed with the Clerk of the Department unless a petition is filed in accordance with the above paragraphs or unless a request for extension of time in which to file a petition is filed within the time specified for filing a petition and conforms to Rule 17-103.070, F.A.C. Upon timely filing of a petition or a request for an extension of time this permit will not be effective until further Order of the Department.

When the Order (Permit) is final, any party to the Order has the right to seek judicial review of the Order pursuant to Section 120.68, Florida Statutes, by the filing of a Notice of Appeal pursuant to Rule 9.110, Florida Rules of Appellate Procedure, with the Clerk of the Department in the Office of General Counsel, 2600 Blair Stone Road, Tallahassee, Florida 32399-2400; and by filing a copy of the Notice of Appeal accompanied by the applicable filing fees with the appropriate District Court of Appeal. The Notice of Appeal must be filed within 30 days from the date the Final Order is filed with the Clerk of the Department.

Executed in Pensacola, Florida.

State of Florida Department
of Environmental Protection



BOBBY A. COOLEY
District Director

160 Governmental Center
Pensacola, Florida 32501-5794
(904) 444-8300

CERTIFICATE OF SERVICE

The undersigned duly designated deputy agency clerk hereby certifies that this NOTICE OF PERMIT ISSUANCE and all copies were mailed by certified mail before the close of business on February 11, 1994 to the listed persons.

FILING AND ACKNOWLEDGMENT FILED,
on this date, pursuant to §120.52(9),
Florida Statutes, with the designated
Department clerk, receipt of which is
hereby acknowledged.

 2/11/94
Clerk Date

Copies furnished to:
L. D. Riley, Jr.
DEP Panama City Branch Office



Lawton Chiles
Governor

Florida Department of Environmental Protection

Northwest District
160 Governmental Center
Pensacola, Florida 32501-5794

Virginia B. Wetherell
Secretary

PERMITTEE:

Stone Container Corporation

I.D. Number: 10PCY03000919
Permit/Certification Number: A003-240555
Date of Issue: February 11, 1994
Expiration Date: December 31, 1998
County: Bay
Latitude/Longitude: 30°08'30"N\85°37'15W
Project: Recovery Boiler No. 2

This permit is issued under the provisions of Section 403.087, Florida Statutes, and Florida Administrative Code Rules 17-296, 17-297 and 17-4. The above named applicant, hereinafter called Permittee, is hereby authorized to perform the work or operate the facility shown on the application and approved drawing(s), plans, and other documents attached hereto or on file with the Department and made a part hereof and specifically described as follows:

Operation of Recovery Boiler No. 2 to produce approximately 398,000 pounds of steam per hour, and smelt. This boiler is fueled by 123,700 pounds of black liquor solids per hour; No. 6 fuel oil is used as auxiliary fuel; and, natural gas is used as a igniter fuel. The maximum sulfur content of the fuel oil is 2.5%. Particulates are controlled by an electrostatic precipitator manufactured by Koopers, with two sections with four fields each. Total reduced sulfur (TRS) emissions are controlled by oxidation of the black liquor prior to combustion.

Located at 1 Everitt Avenue, Parker (Bay County).

Specific Condition No. 2 establishes a maximum operating and testing rate.

Specific Condition No. 4 establishes maximum allowable emission rates.

Specific Condition No. 5 establishes emission testing requirements.

Specific Condition No. 6 establishes CEM operation requirements.

Specific Condition No. 7 limits the fuel oil sulfur content.

Specific Condition No. 9 requires quarterly TRS emissions reports.

Specific Condition No. 10 requires annual operation reports.

Specific Condition No. 11 requires Annual Operation Fee Forms.

Specific Condition No. 13 requires submission of a renewal permit application by October 31, 1998.

PERMITTEE:

Stone Container Corporation

I.D. Number: 10PCY03000919

Permit/Certification Number: A003-240555

Date of Issue: February 11, 1994

Expiration Date: December 31, 1998

SPECIFIC CONDITIONS:

1. The attached General Conditions are part of this permit.
2. The maximum allowable operating rate is 123,700 pounds of black liquor solids per hour (721.17 MMBtu/hr). This is the operating rate at which compliance with standards shall be demonstrated. Testing of emissions shall be conducted with the source operating at capacity. Capacity is defined as 90 to 100% of rated capacity. If it is impracticable to test at capacity, then sources may be tested at less than capacity; if the source is tested at less than capacity subsequent source operation is limited to 110% of the test load until a new test is conducted. Once the unit is so limited, then operation at higher capacity is allowed for no more than fifteen days for purposes of additional compliance testing to regain the rated capacity in the permit with prior notification to the Department.
3. The maximum hours of operation are 24 hours/day, 7 days/week, and 52 weeks/year.

4. The maximum allowable emission rate for each pollutant is as follows:

| <u>Pollutant</u> | <u>FAC Rule</u> | <u>Emission Rate</u> |
|--------------------|-------------------|--|
| Particulate Matter | 17-296.404(2)(a) | 3 lbs PM/3000 lbs BLS or 112.5 lbs/hr PM at 112,500 lbs BLS/hr or greater |
| TRS | 17-296.404(3)(c)1 | 17.5 ppm by volume, dry basis, at 8% O2, 12 hour average |
| Visible emissions | 17-296.404(1)(a) | 45% opacity, six minute average; except up to 60% for one six minute period/hour |

5. Emissions tests for the following pollutants shall be performed annually between June 1 and July 31, in accordance with the test methods and frequency indicated, with notification to the Department 15 days prior to testing. The test results must provide reasonable assurance that the source is capable of compliance at the permitted maximum operating rate. For good cause, the Permittee may request an extension of a compliance test due date. However, inadequate planning of testing does not constitute good cause for an extension of the compliance test due date. The test report documentation must be submitted to the Department within 45 days after completion of testing.

| <u>Pollutant</u> | <u>Frequency</u> | <u>Test Method</u> |
|------------------|------------------|-------------------------------|
| PM | Annually | EPA method 5 |
| VE | " | DEP method 9 |
| TRS | Continuous | EPA method 16, or 16a, or 16b |

The VE test shall be conducted during one of the P.M. test runs. Test reports shall comply with F.A.C. Rule 17-297.570, Test Reports. The Department can require special compliance tests in accordance with F.A.C. Rule 17-297.340(2).

PERMITTEE:

Stone Container Corporation

I.D. Number: 10PCY03000919

Permit/Certification Number: A003-240555

Date of Issue: February 11, 1994

Expiration Date: December 31, 1998

SPECIFIC CONDITIONS:

6. The continuous monitor (CEM) for TRS shall be calibrated, maintained, and operated in accordance with FAC Rule 17-297.500(3).

A. In the event of replacement of a major component (i.e., the analyzer, or changes to the moisture removal, scrubbing, dilution or combustion systems having different design efficiencies) of a CEM, a performance specification test (40 CFR 60, Appendix B, Performance Specification 5) shall be conducted within 60 days of such replacement. A reassessment of the QA Program Plan shall be made and submitted to the Northwest District of the Department within 60 days of the performance specification test.

B. CEM data shall be recorded during periods of startup, shutdown, and malfunction but shall be excluded from the emission averaging calculations. A malfunction means any sudden and unavoidable failure of air pollution control equipment or process equipment to operate in a normal or usual manner. Failures that are caused entirely or in part by poor maintenance, careless operation, or any preventable upset condition or preventable equipment breakdown shall not be considered malfunctions.

C. All required records shall be maintained and be available for Department inspections.

7. The maximum sulfur content of the (back up No. 6 fuel oil) is limited to 2.5% sulfur by weight. Records of the sulfur content of the No. 6 fuel oil shall be maintained and be available for inspection by the Department.

8. Satisfactory ladders, platforms, and other safety devices as well as necessary parts shall be provided, maintained, and made available as necessary to facilitate compliance inspections.

9. A written total reduced sulfur emissions and surrogate parameter data report shall be submitted no later than the 30th day following the end of each calendar quarter in accordance with FAC Rule 17-297.500(4).

10. An annual operation report [DEP Form 17-210.900(4) attached] shall be submitted by March 1 each year. The attached form shall be reproduced by the Permittee and used for future annual submittals.

11. In accordance with F.A.C. Rule 17-213, a Major Air Pollution Source Annual Operation Fee Form [DEP Form 17-213.900(11) attached] must be completed and submitted with appropriate fee between January 15 and March 1 of each year. If the Department has not received the fee payment by March 1, the Department shall impose, in addition to the fee, a penalty of 50 percent of the amount of the fee, plus interest on such amount computed in accordance with s.220.807, Florida Statutes. The Department may revoke any major air pollution source operation permit if it finds that the permit holder has failed to pay timely and required annual operation license fee, penalty or interest. The attached form shall be reproduced by the Permittee and used for future annual submittals. The completed form and appropriate fees must be submitted to the Department of Environmental Protection, Title V (Facility I.D. Number), 2600 Blair Stone Road, Tallahassee, Florida 32399-2400.

PERMITTEE:
Stone Container Corporation

I.D. Number: 10PCY03000919
Permit/Certification Number: A003-240555
Date of Issue: February 11, 1994
Expiration Date: December 31, 1998

SPECIFIC CONDITIONS:

12. This source shall be operated in such a fashion so as to preclude objectionable odors.

13. An application to renew this permit shall be submitted prior to October 31, 1998.

14. The permanent source identification number for this point source is 10PCY03000919. Please cite this number on all test reports and other correspondence specific to this permitted point source.

15. The Department telephone number for reporting problems, malfunctions or exceedances under this permit is (904) 444-8300, day or night, and for emergencies involving a significant threat to human health or the environment is (904) 488-1320. For routine business, use telephone number (904) 872-4375 during normal working hours.

Expiration Date:

Issued this 11th day of February,
1994.

December 31, 1998

STATE OF FLORIDA DEPARTMENT
OF ENVIRONMENTAL PROTECTION


BOBBY A. COOLEY
District Director

PERMITTEE:

Stone Container Corporation

I.D. Number: 10PCY03000919

Permit/Certification Number: AO03-240555

Date of Issue: February 11, 1994

Expiration Date: December 31, 1998

GENERAL CONDITIONS:

1. The terms, conditions, requirements, limitations, and restrictions set forth in this permit are "permit conditions", and are binding and enforceable pursuant to Sections 403.141, 403.727, or 403.859 through 403.861, Florida Statutes. The Permittee is placed on notice that the Department will review this permit periodically and may initiate enforcement action for any violation of these conditions.
2. This permit is valid only for the specific processes and operations applied for and indicated in the approved drawings or exhibits. Any unauthorized deviation from the approved drawings, exhibits, specifications, or conditions of this permit may constitute grounds for revocation and enforcement action by the Department.
3. As provided in Subsections 403.087(6) and 403.722(5), Florida Statutes, the issuance of this permit does not convey any vested rights or any exclusive privileges. Nor does it authorize any injury to public or private property or any invasion of personal rights, nor any infringement of federal, state or local laws or regulations. This permit does not constitute a waiver of or approval of any other Department permit that may be required for other aspects of the total project which are not addressed in the permit.
4. This permit conveys no title to land or water, does not constitute state recognition or acknowledgment of title, and does not constitute authority for the use of submerged lands unless herein provided and the necessary title or leasehold interests have been obtained from the state. Only the Trustees of the Internal Improvement Trust Fund may express state opinion as to title.
5. This permit does not relieve the Permittee from liability for harm or injury to human health or welfare, animal, or plant life, or property caused by the construction or operation of this permitted source, or from penalties therefore; nor does it allow the Permittee to cause pollution in contravention of Florida Statutes and Department rules, unless specifically authorized by an order from the Department.
6. The Permittee shall properly operate and maintain the facility and systems of treatment and control (and related appurtenances) that are installed and used by the Permittee to achieve compliance with the conditions of this permit, are required by Department rules. This provision includes the operation of backup or auxiliary facilities or similar systems when necessary to achieve compliance with the conditions of the permit and when required by Department rules.
7. The Permittee, by accepting this permit, specifically agrees to allow authorized Department personnel, upon presentation of credentials or other documents as may be required by law, access to the premises, at reasonable times, where the permitted activity is located or conducted for the purpose of:
 - a. Having access to and copying any records that must be kept under the conditions of this permit;
 - b. Inspecting the facility, equipment, practices, or operations regulated or required under this permit; and,

PERMITTEE:
Stone Container Corporation

I.D. Number: 10PCY03000919
Permit/Certification Number: A003-240555
Date of Issue: February 11, 1994
Expiration Date: December 31, 1998

GENERAL CONDITIONS:

c. Sampling or monitoring any substances or parameters at any location reasonably necessary to assure compliance with this permit or Department rules.

Reasonable time may depend on the nature of the concern being investigated.

8. If, for any reason, the Permittee does not comply with or will be unable to comply with any condition or limitation specified in this permit, the Permittee shall immediately provide the Department with the following information:

a. A description of and cause of noncompliance; and

b. The period of noncompliance, including exact dates and times; or, if not corrected, the anticipated time the noncompliance is expected to continue, and steps being taken to reduce, eliminate, and prevent recurrence of the noncompliance. The Permittee shall be responsible for any and all damages which may result and may be subject to enforcement action by the Department for penalties or for revocation of this permit.

9. In accepting this permit, the Permittee understands and agrees that all records, notes, monitoring data and other information relating to the construction or operation of this permitted source which are submitted to the Department may be used by the Department as evidence in any enforcement case involving the permitted source arising under the Florida Statutes or Department rules, except where such use is proscribed by Sections 403.73 and 403.111, Florida Statutes. Such evidence shall only be used to the extent it is consistent with Florida Rules of Civil Procedure and appropriate evidentiary rules.

10. The Permittee agrees to comply with changes in Department rules and Florida Statutes after a reasonable time for compliance, provided however, the Permittee does not waive any other rights granted by Florida Statutes or Department rules.

11. This permit is transferable only upon Department approval in accordance with Florida Administrative Code Rules 17-4.120 and 17-730.300, as applicable. The Permittee shall be liable for any noncompliance of the permitted activity until the transfer is approved by the Department.

12. This permit is required to be kept at the work site of the permitted activity during the entire period of construction or operation.

13. The Permittee shall comply with the following:

a. Upon request, the Permittee shall furnish all records and plans required under Department rules. During enforcement actions, the retention period for all records will be extended automatically unless otherwise stipulated by the Department.

b. The Permittee shall hold at the facility or other location designated by this permit records of all monitoring information (including all calibration and maintenance records and all original strip chart recordings for continuous

PERMITTEE:

Stone Container Corporation

I.D. Number: 10PCY03000919

Permit/Certification Number: A003-240555

Date of Issue: February 11, 1994

Expiration Date: December 31, 1998

GENERAL CONDITIONS:

monitoring instrumentation) required by the permit, copies of all reports required by this permit, and records of all data used to complete the application for this permit. These materials shall be retained at least three years from the date of the sample, measurement, report or application unless otherwise specified by Department rule.

c. Records of monitoring information shall include:

- the date, exact place, and time of sampling or measurement;
- the person responsible for performing the sampling or measurement;
- the date(s) analyses were performed;
- the person responsible for performing the analyses;
- the analytical techniques or methods used; and
- the results of such analyses.

14. When requested by the Department, the Permittee shall within a reasonable time furnish any information required by law which is needed to determine compliance with the permit. If the Permittee becomes aware the relevant facts were not submitted or were incorrect in the permit application or in any report to the Department, such facts or information shall be corrected promptly.

#2 RECOVERY 1/1/94



Florida Department of Environmental Regulation

Northwest District • 160 Governmental Center • Pensacola, Florida 32501-5794 • 904-436-8300

Bob Martinez, Governor

Dale Twachtmann, Secretary

John Shearer, Assistant Secretary
Robert Kriegel, Deputy Assistant Secretary

PERMITTEE:

Stone Container Corporation

I.D. Number: 10PCY03000919

Permit/Certification Number: A003-156518

Date of Issue: JAN 30 1989

Expiration Date: January 1, 1994

County: Bay

Latitude/Longitude: 30°08'30"N/85°37'15"W

Section/Township/Range: Parker 4S/14W

Project: Recovery Boiler #2

This permit is issued under the provisions of Section 403, Florida Statutes, and Florida Administrative Code Rules 17-2 and 17-4. The above named applicant, hereinafter called Permittee, is hereby authorized to perform the work or operate the facility shown on the application and approved drawing(s), plans, and other documents attached hereto or on file with the department and made a part hereof and specifically described as follows:

Operation of Recovery Boiler #2 to produce steam. This boiler is fueled by 123,700 pounds of black liquor solids per hour; #6 fuel oil or natural gas is used as auxiliary fuel. The maximum sulfur content of the fuel oil is 2.5%. Particulates are controlled by an electrostatic precipitator manufactured by Koppers, two sections of four fields each. Total reduced sulfur (TRS) emissions are controlled by oxidation of the black liquor prior to entering boiler fire box.

Located: #1 Everett Avenue, Parker (Panama City).

This recovery boiler shall be subject to TRS emission standards of Florida Administrative Code (FAC) Rule 17-2.600(4)(c)3.a.(i), the Continuous Emission Monitoring requirements of FAC Rule 17-2.710(3)(a) and (b), and the Compliance Schedules of FAC Rules 17-2.960(1) and 17-2.971(1)(a). Final compliance of this source shall be attained by May 12, 1989.

PERMITTEE: I.D. Number: 10PCY03000919
Stone Container Corporation Permit/Certification Number: A003-156518
Date of Issue: JAN 30 1989
Expiration Date: January 1, 1994

GENERAL CONDITIONS:

1. The terms, conditions, requirements, limitations, and restrictions set forth herein are "Permit Conditions", and as such are binding upon the permittee and enforceable pursuant to the authority of Sections 403.161, 403.727, or 403.859 through 403.861, Florida Statutes. The permittee is hereby placed on notice that the Department will review this permit periodically and may initiate enforcement action for any violation of the "Permit Conditions" by the permittee, its agents, employees, servants or representatives.
2. This permit is valid only for the specific processes and operations applied for and indicated in the approved drawings or exhibits. Any unauthorized deviation from the approved drawings, exhibits, specifications, or conditions of this permit may constitute grounds for revocation and enforcement action by the department.
3. As provided in Subsections 403.087(6) and 403.722(5), Florida Statutes, the issuance of this permit does not convey any vested rights or any exclusive privileges. Nor does it authorize any injury to public or private property or any invasion of personal rights, nor any infringement of federal, state or local laws or regulations. This permit does not constitute a waiver of or approval of any other department permit that may be required for other aspects of the total project which are not addressed in the permit.
4. This permit conveys no title to land or water, does not constitute state recognition or acknowledgement of title, and does not constitute authority for the use of submerged lands unless herein provided and the necessary title or leasehold interests have been obtained from the state. Only the Trustees of the Internal Improvement Trust Fund may express state opinion as to title.
5. This permit does not relieve the permittee from liability for harm or injury to human health or welfare, animal, plant or aquatic life or property and penalties therefor caused by the construction or operation of this permitted source, nor does it allow the permittee to cause pollution in contravention of Florida Statutes and department rules, unless specifically authorized by an order from the department.
6. The permittee shall at all times properly operate and maintain the facility and systems of treatment and control (and related appurtenances) that are installed or used by the permittee to achieve compliance with the conditions of this permit, as required by department rules. This provision includes the operation of backup or auxiliary facilities or similar systems when necessary to achieve compliance with the conditions of the permit and when required by department rules.

PERMITTEE: I.D. Number: 10PCY03000919
Stone Container Corporation Permit/Certification Number: A003-156518
Date of Issue: JAN 30 1989
Expiration Date: January 1, 1994

GENERAL CONDITIONS:

7. The permittee, by accepting this permit, specifically agrees to allow authorized department personnel, upon presentation of credentials or other documents as may be required by law, access to the premises, at reasonable times, where the permitted activity is located or conducted for the purpose of:

- a. Having access to and copying any records that must be kept under the conditions of this permit;
- b. Inspecting the facility, equipment, practices, or operations regulated or required under this permit; and,
- c. Sampling or monitoring any substances or parameters at any location reasonably necessary to assure compliance with this permit or department rules.

Reasonable time may depend on the nature of the concern being investigated.

8. If, for any reason, the permittee does not comply with or will be unable to comply with any condition or limitation specified in this permit, the permittee shall immediately notify and provide the department with the following information:

- a. A description of and cause of noncompliance; and
- b. The period of noncompliance, including exact dates and times; or, if not corrected, the anticipated time the noncompliance is expected to continue, and steps being taken to reduce, eliminate, and prevent recurrence of the noncompliance.

The permittee shall be responsible for any and all damages which may result and may be subject to enforcement action by the department for penalties or revocation of this permit.

9. In accepting this permit, the permittee understands and agrees that all records, notes, monitoring data and other information relating to the construction or operation of this permitted source, which are submitted to the department, may be used by the department as evidence in any enforcement case arising under the Florida Statutes or department rules, except where such use is proscribed by Sections 403.73 and 403.111, Florida Statutes.

PERMITTEE:

Stone Container Corporation

I.D. Number: 10PCY03000919

Permit/Certification Number: A003-156518

Date of Issue: JAN 30 1993

Expiration Date: January 1, 1994

GENERAL CONDITIONS:

10. The permittee agrees to comply with changes in department rules and Florida Statutes after a reasonable time for compliance, provided however, the permittee does not waive any other rights granted by Florida Statutes or department rules.

11. This permit is transferable only upon department approval in accordance with Florida Administrative Code Rules 17-4.12 and 17-30.30, as applicable. The permittee shall be liable for any noncompliance of the permitted activity until the transfer is approved by the department.

12. This permit is required to be kept at the work site of the permitted activity during the entire period of construction or operation.

13. The permittee shall comply with the following monitoring and record keeping requirements:

- a. Upon request, the permittee shall furnish all records and plans under department rules. The retention period for all records will be extended automatically, unless otherwise stipulated by the department, during the course of any unresolved enforcement action.
- b. The permittee shall retain at the facility or other location designated by this permit records of all monitoring information (including all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation), copies of all reports required by this permit, and records of all data used to complete the application for this permit. The time period of retention shall be at least three years from the date of the sample, measurement, report or application unless otherwise specified by department rule.
- c. Records of monitoring information shall include:
 - the date, exact place, and time of sampling or measurement;
 - the person responsible for performing the sampling or measurement;
 - the date(s) analyses were performed;
 - the person responsible for performing the analyses;
 - the analytical techniques or methods used; and
 - the results of such analyses.

PERMITTEE:

Stone Container Corporation

I.D. Number: 10PCY03000919

Permit/Certification Number: A003-156518

Date of Issue: JAN 30 1989

Expiration Date: January 1, 1994

GENERAL CONDITIONS:

14. When requested by the department, the permittee shall within a reasonable time furnish any information required by law which is needed to determine compliance with the permit. If the permittee becomes aware that relevant facts were not submitted or were incorrect in the permit application or in any report to the department, such facts or information shall be submitted or corrected promptly.

SPECIFIC CONDITIONS:

15. The maximum allowable operating rate is 123,700 pounds of black liquor solids per hour. This is the operating rate at which compliance with standards shall be demonstrated.

16. Particulate emissions shall not exceed 112.5 pounds per hour at operating rates of 112,500 pounds of black liquor solids or higher. At lesser operating rates the particulate emissions shall not exceed 3 pounds per 3,000 pounds of black liquor solids fed.

17. TRS emissions shall not exceed 17.5 ppm by volume on a dry basis at standard conditions corrected to 8% oxygen as a 12-hour average. Compliance with this standard shall become effective with installation and certification of continuous emission monitoring system (Condition 19).

18. Visible emissions shall not exceed 45% opacity except that up to 60% shall be allowed for one six-minute period during any one hour.

19. Particulates and visible emissions tests are required to show continuing compliance with the standards of the Department. The test results must provide reasonable assurance that the source is capable of compliance at the permitted maximum operating rate. Tests shall be conducted in accordance with EPA Methods 1, 2, 3, 5, and 9. Such tests shall be conducted once per year before the end of September. Results shall be submitted to the Department within 45 days after testing. The Department shall be notified at least 15 days prior to testing to allow witnessing.

20. Performance specification tests on the TRS continuous emissions monitor (CEM) system shall be completed prior to May 12, 1989.

21. The CEM shall be operated, calibrated and maintained in accordance with Florida Administrative Code Rule 17-2.710(3)(b), specifically:

- A. Daily low level (0-20% of span) and span (90 to 100%) drift calibrations, with adjustments as required.
- B. The 12-hour average TRS emissions concentration, corrected to 8% oxygen shall be calculated for comparison against the standard.

PERMITTEE:

Stone Container Corporation

I.D. Number: 10PCY03000919

Permit/Certification Number: A003-156518

Date of Issue: **JAN 30 1989**

Expiration Date: January 1, 1994

SPECIFIC CONDITIONS:

A written report summarizing all instances of excess emissions shall be submitted to the Department quarterly (postmarked by the 30th day following the end of each calendar quarter) in accordance with FAC Rule 17-2.710(4). In addition, all instances of excess emissions shall be reported to the Northwest District Panama City Branch Office as soon as possible by telephone.

The file of CEM information shall be maintained in accordance with FAC Rule 17-2.710(4)(b) and shall be available for Department inspections.

22. An annual operation report (DER Form 17-1.202(6) attached) shall be submitted by March 1 each year. The attached form shall be reproduced by the permittee and used for future annual submittals.

23. An application to renew this permit shall be submitted prior to November 1, 1993.

24. The permanent source identification number for this point source is 10PCY03000919. Please cite this number on all test reports and other correspondence specific to this permitted point source.

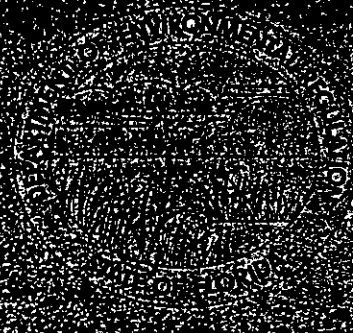
Expiration date:

January 1, 1994

Issued this 30th day of Jan, 1989.

STATE OF FLORIDA DEPARTMENT
OF ENVIRONMENTAL REGULATION


ROBERT V. KRIEDEL
Deputy Assistant Secretary



STATE OF FLORIDA
DEPARTMENT OF
ENVIRONMENTAL REGULATION

OFFICE OF WATER RESOURCES
1900 N. W. 11th Street
Tallahassee, Florida 32304

OPERATION
PERMIT

NO. _____ DATE _____

DATE OF ISSUANCE _____

ISSUED TO _____

DATE OF EXPIRATION _____

ISSUED AT _____



DEPARTMENT OF ENVIRONMENTAL REGULATION

NORTHWEST DISTRICT

160 GOVERNMENTAL CENTER
PENSACOLA, FLORIDA 32501-5794



BOB GRAHAM
GOVERNOR

VICTORIA J. TSCHINKEL
SECRETARY

ROBERT V. KRIEDEL
DISTRICT MANAGER

PERMITTEE:

Southwest Forest
Industries, Inc.

I.D. Number: 10/03/0009/19

Permit/Certification Number: A003-78464

Date of Issue: January 13, 1984

Expiration Date: January 1, 1989

County: Bay

Latitude/Longitude: 30°08'30"N/85°37'15"W

Section/Township/Range: Parker/4S/14W

Project: #2 Recovery Boiler

This permit is issued under the provisions of Chapter 403, Florida Statutes, and Florida Administrative Code Rules 17-2 and 17-4. The above named applicant, hereinafter called Permittee, is hereby authorized to perform the work or operate the facility shown on the application and approved drawing(s), plans, and other documents attached hereto or on file with the department and made a part hereof and specifically described as follows:

Operation of #2 Recovery Boiler - 398,000 pounds of steam per hour and 61,875 pounds of smelt (Na_2SO_4) per hour as produced. Fueled by 112,500 pounds per hour of black liquor solids. #6 oil or natural gas are used as auxiliary fuel. The fuel oil has a maximum sulfur content of 2.5% sulfur. Particulates are controlled by an electrostatic precipitator manufactured by Koppers, two sections of four fields each. Total reduced sulfur (TRS) emissions are controlled by black liquor oxidation prior to entering boiler fire box.

Located: #1 Everett Avenue, Parker (Panama City).

PERMITTEE:

Southwest Forest
Industries, Inc.

I.D. Number: 10/03/0009/19

Permit/Certification Number: A003-78464

Date of Issue: January 13, 1984

Expiration Date: January 1, 1989

GENERAL CONDITIONS:

1. The terms, conditions, requirements, limitations, and restrictions set forth herein are "Permit Conditions", and as such are binding upon the permittee and enforceable pursuant to the authority of Sections 403.161, 403.727, or 403.859 through 403.861, Florida Statutes. The permittee is hereby placed on notice that the Department will review this permit periodically and may initiate enforcement action for any violation of the "Permit Conditions" by the permittee, its agents, employees, servants or representatives.
2. This permit is valid only for the specific processes and operations applied for and indicated in the approved drawings or exhibits. Any unauthorized deviation from the approved drawings, exhibits, specifications, or conditions of this permit may constitute grounds for revocation and enforcement action by the department.
3. As provided in Subsections 403.087(6) and 403.722(5), Florida Statutes, the issuance of this permit does not convey any vested rights or any exclusive privileges. Nor does it authorize any injury to public or private property or any invasion of personal rights, nor any infringement of federal, state or local laws or regulations. This permit does not constitute a waiver of or approval of any other department permit that may be required for other aspects of the total project which are not addressed in the permit.
4. This permit conveys no title to land or water, does not constitute state recognition or acknowledgement of title, and does not constitute authority for the use of submerged lands unless herein provided and the necessary title or leasehold interests have been obtained from the state. Only the Trustees of the Internal Improvement Trust Fund may express state opinion as to title.
5. This permit does not relieve the permittee from liability for harm or injury to human health or welfare, animal, plant or aquatic life or property and penalties therefor caused by the construction or operation of this permitted source, nor does it allow the permittee to cause pollution in contravention of Florida Statutes and department rules, unless specifically authorized by an order from the department.
6. The permittee shall at all times properly operate and maintain the facility and systems of treatment and control (and related appurtenances) that are installed or used by the permittee to achieve compliance with the conditions of this permit, as required by department rules. This provision includes the operation of backup or auxiliary facilities or similar systems when necessary to achieve compliance with the conditions of the permit and when required by department rules.

PERMITTEE:
Southwest Forest
Industries, Inc.

I.D. Number: 10/03/0009/19
Permit/Certification Number: A003-78464
Date of Issue: January 13, 1984

Expiration Date: January 1, 1989

GENERAL CONDITIONS:

7. The permittee, by accepting this permit, specifically agrees to allow authorized department personnel, upon presentation of credentials or other documents as may be required by law, access to the premises, at reasonable times, where the permitted activity is located or conducted for the purpose of:

- a. Having access to and copying any records that must be kept under the conditions of the permit;
- b. Inspecting the facility, equipment, practices, or operations regulated or required under this permit; and
- c. Sampling or monitoring any substances or parameters at any location reasonably necessary to assure compliance with this permit or department rules.

Reasonable time may depend on the nature of the concern being investigated.

8. If, for any reason, the permittee does not comply with or will be unable to comply with any condition or limitation specified in this permit, the permittee shall immediately notify and provide the department with the following information:

- a. A description of and cause of noncompliance; and
- b. The period of noncompliance, including exact dates and times; or, if not corrected, the anticipated time the noncompliance is expected to continue, and steps being taken to reduce, eliminate, and prevent recurrence of the noncompliance.

The permittee shall be responsible for any and all damages which may result and may be subject to enforcement action by the department for penalties or revocation of this permit.

9. In accepting this permit, the permittee understands and agrees that all records, notes, monitoring data and other information relating to the construction or operation of this permitted source, which are submitted to the department, may be used by the department as evidence in any enforcement case arising under the Florida Statutes or department rules, except where such use is proscribed by Sections 403.73 and 403.111, Florida Statutes.

PERMITTEE:
Southwest Forest
Industries, Inc.

I.D. Number: 10/03/0009/19
Permit/Certification Number: A003-78464
Date of Issue: January 13, 1984

Expiration Date: January 1, 1989

GENERAL CONDITIONS:

10. The permittee agrees to comply with changes in department rules and Florida Statutes after a reasonable time for compliance, provided however, the permittee does not waive any other rights granted by Florida Statutes or department rules.
11. This permit is transferable only upon department approval in accordance with Florida Administrative Code Rules 17-4.12 and 17-30.30, as applicable. The permittee shall be liable for any noncompliance of the permitted activity until the transfer is approved by the department.
12. This permit is required to be kept at the work site of the permitted activity during the entire period of construction or operation.
13. The permittee shall comply with the following monitoring and record keeping requirements:
 - a. Upon request, the permittee shall furnish all records and plans under department rules. The retention period for all records will be extended automatically, unless otherwise stipulated by the department, during the course of any unresolved enforcement action.
 - b. The permittee shall retain at the facility or other location designated by this permit records of all monitoring information (including all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation), copies of all reports required by this permit, and records of all data used to complete the application for this permit. The time period of retention shall be at least three years from the date of the sample, measurement, report or application unless otherwise specified by department rule.
 - c. Records of monitoring information shall include:
 - the date, exact place, and time of sampling or measurement;
 - the person responsible for performing the sampling or measurement;
 - the date(s) analyses were performed;
 - the person responsible for performing the analyses;
 - the analytical techniques or methods used; and
 - the results of such analyses.

PERMITTEE:
Southwest Forest
Industries, Inc.

I.D. Number: 10/03/0009/19
Permit/Certification Number: A003-78464
Date of Issue: January 13, 1984

Expiration Date: January 1, 1989

GENERAL CONDITIONS:

14. When requested by the department, the permittee shall within a reasonable time furnish any information required by law which is needed to determine compliance with the permit. If the permittee becomes aware that relevant facts were not submitted or were incorrect in the permit application or in any report to the department, such facts or information shall be submitted or corrected promptly.

SPECIFIC CONDITIONS:

15. The maximum allowable operating rate is 112,400 pounds of black liquor solids per hour. This is the operating rate at which compliance with standards shall be demonstrated.

16. Particulate emissions shall not exceed 112.5 pounds per hour at the rated capacity of 112,500 pounds of black liquor solids per hour. At lesser operating rates the particulate emissions shall not exceed 0.0010 pounds per pound of black liquor solids.

17. Total reduced sulfur (TRS) emissions shall not exceed 17.5 parts per million (v/v).

18. Particulates and TRS tests are required to show continuing compliance with the standards of the Department. The test results must provide reasonable assurance that the source is capable of compliance at the permitted maximum operating rate. Tests shall be conducted in accordance with EPA methods 1, 2, 3, 5 and 16, 16A or equivalent. Such tests shall be conducted once per year before the end of September. Particulates and TRS tests shall be run simultaneously. Results shall be submitted to the Department within 45 days after testing. The Department shall be notified at least 15 days prior to testing to allow witnessing.

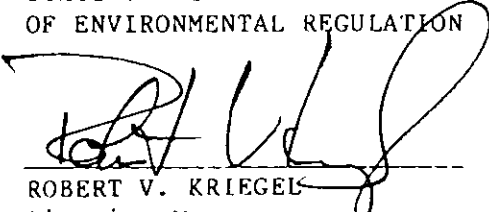
19. An annual operation report (DER Form 17-1.202(6) attached) shall be submitted by March 1 each year. The attached form shall be reproduced by the permittee and used for future annual submittals.

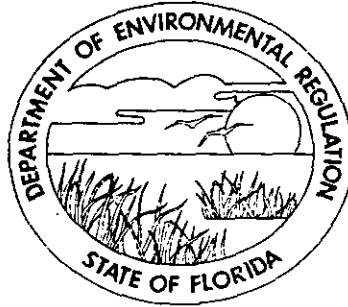
Expiration Date:

January 1, 1989

Issued this 13th day of Jan,
1984.

STATE OF FLORIDA DEPARTMENT
OF ENVIRONMENTAL REGULATION


ROBERT V. KRIEGEL
District Manager



STATE OF FLORIDA
DEPARTMENT OF
ENVIRONMENTAL REGULATION

SOUTHWEST FOREST INDUSTRIES
BAY COUNTY
RECOVERY BOILER #2

OPERATION
PERMIT

NO. AC03-78464

DATE OF ISSUANCE

January 13, 1984

DATE OF MODIFICATION

July 25, 1986

DATE OF EXPIRATION

January 1, 1989

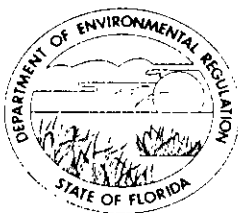
ROBERT V. KRIEGEL
District Manager

STATE OF FLORIDA

DEPARTMENT OF ENVIRONMENTAL REGULATION

NORTHWEST DISTRICT

160 GOVERNMENTAL CENTER
PENSACOLA, FLORIDA 32501-5794



BOB GRAHAM
GOVERNOR

VICTORIA J. TSCHINKEL
SECRETARY

ROBERT V. KRIEGL
DISTRICT MANAGER

PERMITTEE:

Southwest Forest
Industries

I.D. Number: 10/03/0009/19
Permit/Certification Number: A003-78464
Date of Issue: January 13, 1984
Date of Modification: JUL 25 1986
Expiration Date: January 1, 1989
County: Bay
Latitude/Longitude: 30°08'31"N/85°37'16"W
Section/Township/Range: Parker/4S/14W
Project: Recovery Boiler #2

This permit is issued under the provisions of Chapter 403, Florida Statutes, and Florida Administrative Code Rules 17-2 and 17-4. The above named applicant, hereinafter called Permittee, is hereby authorized to perform the work or operate the facility shown on the application and approved drawing(s), plans, and other documents attached hereto or on file with the department and made a part hereof and specifically described as follows:

Operation of Recovery Boiler #2 to produce 398,000 pounds of steam per hour. Fueled by 112,500 pounds of black liquor solids per hour; #6 fuel oil or natural gas is used as auxiliary fuel. The maximum sulfur content of the fuel oil is 2.5%. Particulates are controlled by an electrostatic precipitator manufactured by Koppers, two sections of four fields each. Total reduced sulfur (TRS) emissions are controlled by oxidation of the black liquor prior to entering boiler fire box.

Located: #1 Everett Avenue, Parker (Panama City).

This recovery boiler shall be subject to TRS emission standards of Florida Administrative Code (FAC) Rule 17-2.600(4)(c)3.a.(i), the Continuous Emission Monitoring requirements of FAC Rule 17-2.710(3)(a) and (b), and the Compliance Schedules of FAC Rules 17-2.960(1) and 17-2.971(1)(a).

PERMITTEE: I.D. Number: 10/03/0009/19
Southwest Forest Industries Permit/Certification Number: A003-78464.
Date of Issue: January 13, 1984
Date of Modification: JUL 25 1986

Expiration Date: January 1, 1989

GENERAL CONDITIONS:

1. The terms, conditions, requirements, limitations, and restrictions set forth herein are "Permit Conditions", and as such are binding upon the permittee and enforceable pursuant to the authority of Sections 403.161, 403.727, or 403.859 through 403.861, Florida Statutes. The permittee is hereby placed on notice that the Department will review this permit periodically and may initiate enforcement action for any violation of the "Permit Conditions" by the permittee, its agents, employees, servants or representatives.
2. This permit is valid only for the specific processes and operations applied for and indicated in the approved drawings or exhibits. Any unauthorized deviation from the approved drawings, exhibits, specifications, or conditions of this permit may constitute grounds for revocation and enforcement action by the department.
3. As provided in Subsections 403.087(6) and 403.722(5), Florida Statutes, the issuance of this permit does not convey any vested rights or any exclusive privileges. Nor does it authorize any injury to public or private property or any invasion of personal rights, nor any infringement of federal, state or local laws or regulations. This permit does not constitute a waiver of or approval of any other department permit that may be required for other aspects of the total project which are not addressed in the permit.
4. This permit conveys no title to land or water, does not constitute state recognition or acknowledgement of title, and does not constitute authority for the use of submerged lands unless herein provided and the necessary title or leasehold interests have been obtained from the state. Only the Trustees of the Internal Improvement Trust Fund may express state opinion as to title.
5. This permit does not relieve the permittee from liability for harm or injury to human health or welfare, animal, plant or aquatic life or property and penalties therefore caused by the construction or operation of this permitted source, nor does it allow the permittee to cause pollution in contravention of Florida Statutes and department rules, unless specifically authorized by an order from the department.
6. The permittee shall at all times properly operate and maintain the facility and systems of treatment and control (and related appurtenances) that are installed or used by the permittee to achieve compliance with the conditions of this permit, as required by department rules. This provision includes the operation of backup or auxiliary facilities or similar systems when necessary to achieve compliance with the conditions of the permit and when required by department rules.

PERMITTEE: I.D. Number: 10/03/0009/19
Southwest Forest Industries Permit/Certification Number: A003-78464
Date of Issue: January 13, 1984
Date of Modification: JUL 25 1986

Expiration Date: January 1, 1989

GENERAL CONDITIONS:

7. The permittee, by accepting this permit, specifically agrees to allow authorized department personnel, upon presentation of credentials or other documents as may be required by law, access to the premises, at reasonable times, where the permitted activity is located or conducted for the purpose of:

- a. Having access to and copying any records that must be kept under the conditions of the permit;
- b. Inspecting the facility, equipment, practices, or operations regulated or required under this permit; and
- c. Sampling or monitoring any substances or parameters at any location reasonably necessary to assure compliance with this permit or department rules.

Reasonable time may depend on the nature of the concern being investigated.

8. If, for any reason, the permittee does not comply with or will be unable to comply with any condition or limitation specified in this permit, the permittee shall immediately notify and provide the department with the following information:

- a. A description of and cause of noncompliance; and
- b. The period of noncompliance, including exact dates and times; or, if not corrected, the anticipated time the noncompliance is expected to continue, and steps being taken to reduce, eliminate, and prevent recurrence of the noncompliance.

The permittee shall be responsible for any and all damages which may result and may be subject to enforcement action by the department for penalties or revocation of this permit.

9. In accepting this permit, the permittee understands and agrees that all records, notes, monitoring data and other information relating to the construction or operation of this permitted source, which are submitted to the department, may be used by the department as evidence in any enforcement case arising under the Florida Statutes or department rules, except where such use is proscribed by Sections 403.73 and 403.111, Florida Statutes.

PERMITTEE: I.D. Number: 10/03/0009/19
Southwest Forest Industries Permit/Certification Number: A003-78464
Date of Issue: January 13, 1984
Date of Modification: JUL 25 1985
Expiration Date: January 1, 1989

GENERAL CONDITIONS:

10. The permittee agrees to comply with changes in department rules and Florida Statutes after a reasonable time for compliance, provided however, the permittee does not waive any other rights granted by Florida Statutes or department rules.
11. This permit is transferable only upon department approval in accordance with Florida Administrative Code Rules 17-4.12 and 17-30.30, as applicable. The permittee shall be liable for any noncompliance of the permitted activity until the transfer is approved by the department.
12. This permit is required to be kept at the work site of the permitted activity during the entire period of construction or operation.
13. The permittee shall comply with the following monitoring and record keeping requirements:
 - a. Upon request, the permittee shall furnish all records and plans under department rules. The retention period for all records will be extended automatically, unless otherwise stipulated by the department, during the course of any unresolved enforcement action.
 - b. The permittee shall retain at the facility or other location designated by this permit records of all monitoring information (including all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation), copies of all reports required by this permit, and records of all data used to complete the application for this permit. The time period of retention shall be at least three years from the date of the sample, measurement, report or application unless otherwise specified by department rule.
 - c. Records of monitoring information shall include:
 - the date, exact place, and time of sampling or measurement;
 - the person responsible for performing the sampling or measurement;
 - the date(s) analyses were performed;
 - the person responsible for performing the analyses;
 - the analytical techniques or methods used; and
 - the results of such analyses.

PERMITTEE: I.D. Number: 10/03/0009/19
Southwest Forest Industries Permit/Certification Number: A003-78464
Date of Issue: January 13, 1984
Date of Modification: JUL 25 1986
Expiration Date: January 1, 1989

GENERAL CONDITIONS:

14. When requested by the department, the permittee shall within a reasonable time furnish any information required by law which is needed to determine compliance with the permit. If the permittee becomes aware that relevant facts were not submitted or were incorrect in the permit application or in any report to the department, such facts or information shall be submitted or corrected promptly.

SPECIFIC CONDITIONS:

15. The maximum allowable operating rate is 112,500 pounds of black liquor solids per hour. This is the operating rate at which compliance with standards shall be demonstrated.

16. Particulate emissions shall not exceed 112.5 pounds per hour at the maximum allowable operating rate. At lesser operating rates the particulate emissions shall not exceed 3 pounds per 3,000 pounds of black liquor solids fed.

17. TRS emissions shall not exceed 17.5 ppm by volume on a dry basis at standard conditions corrected to 8% oxygen as a 12-hour average. Compliance with this standard shall become effective with installation and certification of continuous emission monitoring system (Condition 19) unless delayed by an acceptable plan and schedule submitted in accordance with Condition 20 below.

18. Particulates emissions tests are required to show continuing compliance with the standards of the Department. The test results must provide reasonable assurance that the source is capable of compliance at the permitted maximum operating rate. Tests shall be conducted in accordance with EPA methods 1, 2, 3 and 5. Such tests shall be conducted once per year before the end of September. Results shall be submitted to the Department within 45 days after testing. The Department shall be notified at least 15 days prior to testing to allow witnessing.

19. A continuous emission monitor system that complies with performance specifications of FAC Rule 17-2.710(3) shall be installed on the recovery boiler emissions prior to April 1, 1986. This system shall be certified and in operation by July 1, 1986.

PERMITTEE:

Southwest Forest Industries

I.D. Number: 10/03/0009/19

Permit/Certification Number: A003-78464

Date of Issue: January 13, 1984

Date of Modification: JUL 25 1986

Expiration Date: January 1, 1989

SPECIFIC CONDITIONS:

20. If continuing compliance with TRS emission standard (Condition 17) is not demonstrated by the continuous monitoring system, the permittee shall submit an acceptable plan and schedule to achieve final compliance. This plan and schedule shall be submitted to the Department as expeditiously as possible but no later than six months after May 12, 1986. The plan and schedule shall specify the applicability of FAC Rule 17-2.960(1)(c) [final compliance prior to 18 months after May 12, 1986] or FAC Rule 17-2.960(1)(d) [final compliance prior to 36 months after May 12, 1986].

21. For emissions inventory purposes, the TRS emissions required to be met by this source on the date of final compliance is estimated to be less than 18.19 pounds per hour (79.68 tons per year).

Also for emissions inventory purposes, the 1985 compliance tests (one series) showed emissions of 7.99 pounds per hour. Without continuous testing no estimate of tons per year is possible. For the interim period (prior to final compliance), it is estimated that the final compliance emissions shall not be exceeded.

22. An annual operation report (DER Form 17-1.202(5) attached) shall be submitted by March 1 each year. The attached form shall be reproduced by the permittee and used for future annual submittals.

23. The permanent source identification number for this point source is 10/03/0009/19. Please cite this number on all test reports and other correspondence specific to this permitted point source.

Expiration Date:

Modified this 25 day of July,
1986.

January 1, 1988

STATE OF FLORIDA DEPARTMENT
OF ENVIRONMENTAL REGULATION


ROBERT V. KRIEGEL
District Manager

STATE OF FLORIDA

DEPARTMENT OF ENVIRONMENTAL REGULATION

NORTHWEST DISTRICT

160 GOVERNMENTAL CENTER
PENSACOLA, FLORIDA 32501-5794



BOB GRAHAM
GOVERNOR

VICTORIA J. TSCHINKEL
SECRETARY

ROBERT V. KRIEDEL
DISTRICT MANAGER

July 25, 1986

Mr. J. F. Stewart
Vice-President & General Manager
Southwest Forest Industries
Post Office Box 2560
Panama City, Florida 32401

Dear Mr. Stewart:

By this letter, permit numbers A003-63151, 78464, 63149, 78459, 63150, 90960 and 90958 are modified to include the following additional specific condition:

To comply with the requirements of FAC Rule 17-2.971(3)(b), the permittee shall continue to operate in the manner described in letter from L. D. Riley, Jr., dated July 16, 1986, to minimize TRS emissions during the interim period prior to final compliance.

This letter shall be attached to and made a part of each of the referenced permits.

Sincerely,

Robert V. Kriegel
District Manager

RVK/jpl



STATE OF FLORIDA
DEPARTMENT OF
ENVIRONMENTAL REGULATION

Southwest Forest Industries
Bay County
No. 2 Recovery Boiler

OPERATION
PERMIT

NO. AG03-14875A

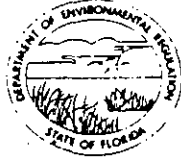
DATE OF ISSUANCE

February 15, 1979

DATE OF EXPIRATION

February 2, 1984

Robert V. Kriegel
District Manager



BOB GRAHAM
GOVERNOR

JACOB D. VARN
SECRETARY

ROBERT V. KRIEGLER
DISTRICT MANAGER

STATE OF FLORIDA

DEPARTMENT OF ENVIRONMENTAL REGULATION

NORTHWEST DISTRICT

APPLICANT:

Mr. J. M. Ros, Jr., Manager
Panama City Mill of
Southwest Forest Industries
P. O. Box 2560
Panama City, FL 32401

Operation
PERMIT/CERTIFICATION
NO. A003-14875A

COUNTY: Bay

PROJECT: Number 2 Recovery
Boiler

This permit is issued under the provisions of Chapter 403, Florida Statutes, and Chapters 17-2 and 17-4, Florida Administrative Code. The above named applicant, herein-after called Permittee, is hereby authorized to perform the work, or operate the facility shown on the approved drawing(s), plans, documents, and specifications attached hereto and made a part hereof and specifically described as follows:

For the operation of Number 2 Recovery Boiler.
Particulates controlled by Kopper Electrostatic Precipitator.
TRS controlled by Black Liquor Oxidation.

Located at No.1 Everitt Street, Panama City (Bay County).

In accordance with the application dated November 7, 1978.

GENERAL CONDITIONS:

1. The terms, conditions, requirements, limitations, and restrictions set forth herein are "Permit Conditions", and as such are binding upon the permittee and enforceable pursuant to the authority of Section 403.161(1), Florida Statutes. Permittee is hereby placed on notice that the department will review this permit periodically and may initiate court action for any violation of the "Permit Conditions" by the permittee, its agents, employees, servants or representatives.

2. This permit is valid only for the specific processes and operations indicated in the attached drawings or exhibits. Any unauthorized deviation from the approved drawings, exhibits, specifications, or conditions of this permit shall constitute grounds for revocation and enforcement action by the department.

3. If, for any reason, the permittee does not comply with or will be unable to comply with any condition or limitation specified in this permit, the permittee shall immediately notify and provide the department with the following information: (a) a description of and cause of non-compliance; and (b) the period of non-compliance, including exact dates and times; or, if not corrected, the anticipated time the non-compliance is expected to continue, and steps being taken to reduce, eliminate, and prevent recurrence of the non-compliance. The permittee shall be responsible for any and all damages which may result and may be subject to enforcement action by the department for penalties or revocation of this permit.

4. As provided in subsection 403.087(6), Florida Statutes, the issuance of this permit does not convey any vested rights or any exclusive privileges. Nor does it authorize any injury to public or private property or any invasion of personal rights, nor any infringement of federal, state or local laws or regulations.

5. This permit is required to be posted in a conspicuous location at the work site or source during the entire period of construction or operation.

6. In accepting this permit, the permittee understands and agrees that all records, notes, monitoring data and other information relating to the construction or operation of this permitted source, which are submitted to the department, may be used by the department as evidence in any enforcement case arising under the Florida Statutes or department rules, except where such use is proscribed by Section 403.111, F.S.

7. In the case of an operation permit, permittee agrees to comply with changes in department rules and Florida Statutes after a reasonable time for compliance, provided however the permittee does not waive any other rights granted by Florida Statutes or department rules.

8. This permit does not relieve the permittee from liability for harm or injury to human health or welfare, animal, plant, or aquatic life or property and penalties therefore caused by the construction or operation of this permitted source, nor does it allow the permittee to cause pollution in contravention of Florida Statutes and department rules, except where specifically authorized by an order from the department granting a variance or exception from department rules or state statutes.

9. This permit is not transferable. Upon sale or legal transfer of the property or facility covered by this permit, the permittee shall notify the department within thirty (30) days. The new owner must apply for a permit transfer within thirty (30) days. The permittee shall be liable for any non-compliance of the permitted source until the transferee applies for and receives a transfer of permit.

10. The permittee, by acceptance of this permit, specifically agrees to allow access to permitted source at reasonable times by department personnel presenting credentials for the purposes of inspection and testing to determine compliance with this permit and department rules.

11. This permit does not indicate a waiver of or approval of any other department permit that may be required for other aspects of the total project.

12. This permit conveys no title to land or water, nor constitutes state recognition or acknowledgement of title, and does not constitute authority for the reclamation of submerged lands unless herein provided and the necessary title or leasehold interests have been obtained from the state. Only the Trustees of the Internal Improvement Trust Fund may express state opinion as to title.

13. This permit also constitutes:

- () Determination of Best Available Control Technology (BACT)
- () Determination of Prevention of Significant Deterioration (PSD)
- () Certification of Compliance with State Water Quality Standards (Section 401, PL 92-500)

SPECIFIC CONDITIONS:

14. The process conditions contained in the application submitted by the Permittee are used by the Department to determine expected compliance status. The application is attached and made a part of the permitted conditions. Process conditions used by the Permittee during a test to prove compliance will be recorded by the Department and made a part of the operation permit conditions.

15. Test results are required to show compliance with standards of the Department. The test results shall show compliance at the permitted operating rate. Such test results shall be obtained one/year commencing June, 1979 and shall be submitted to: Department of Environmental Regulation, 160 Governmental Center, Pensacola, FL 32501. The Department shall be notified prior to testing to allow witnessing. The following parameters shall be tested in accordance with procedures approved by the Department:

Particulates
Total Reduced Sulfur

16. Any modification from the permitted conditions including the rate of operation shall be submitted to the Department for approval with satisfactory evidence that compliance with emissions standards shall be maintained. Test data verifying such compliance shall be required if such approval is granted.

17. All pollution control equipment shall be maintained and operated at all times in acceptable working condition.

18. An annual operations report for the preceding calendar year containing the information on the attached form shall be submitted by March 1st each year.

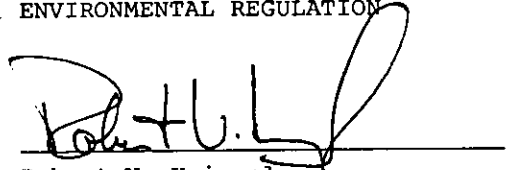
19. The maximum operating rate of this recovery boiler is limited to the rate demonstrated by test to be in compliance with the Florida emission standard. This maximum rate is 133380 pounds per hour of Black Liquor Solids, (44.46 BLT). The maximum allowed particulate emissions at that rate are 133.38 pounds per hour. At lower operating rates the allowed emissions are limited to three (3) pounds of particulates per 3000 pounds of Black Liquor Solids.

Southwest Forest Industries
Appl. Name: Mr. J. M. Ros, Jr., Manager, Panama City Mill
Project: Number 2 Recovery Boiler
Page 4 of 4 of Permit No.: A003-14875A

20. The maximum allowed emissions to Total Reduced Sulfur is:
17.5 ppm expressed as H₂S on a dry gas basis, or one-half (0.5)
pound per 3000 pounds of black liquor solids fed, whichever is
more restrictive.

Expiration Date: February 2, 1984
Issued this 1st day of February
1979.

STATE OF FLORIDA DEPARTMENT OF
ENVIRONMENTAL REGULATION



Robert V. Kriegel
District Manager

Expires December 15, 1978

STATE OF FLORIDA
DEPARTMENT OF
POLLUTION CONTROL

OPERATION PERMIT

FOR International Paper Company
Everitt Avenue
Panama City, Florida 32401

PERMIT NO. A003-2004 DATE December 4, 1973

PURSUANT TO THE PROVISIONS OF SECTION 403.061, (16) OF CHAPTER 403 FLORIDA STATUTES AND CHAPTER 17-4 FLORIDA ADMINISTRATIVE CODE, THIS PERMIT IS ISSUED TO:

Mr. Joel R. Baker, Mill Manager

FOR THE OPERATION OF THE FOLLOWING:

Recovery Boiler #2 of 900 tons equivalent pulp per day with
electrostatic precipitator, stack 229 feet.

LOCATED AT: No. 1 Everitt Avenue, Panama City, Bay County
Florida Lat. 30° 08' 30" Long. 85° 37' 25"

IN ACCORDANCE WITH THE APPLICATION DATED August 10, 1973

AND IN CONFORMITY WITH THE STATEMENTS AND SUPPORTING DATA ENTERED THEREIN, ALL OF WHICH ARE FILED WITH THE DEPARTMENT AND ARE CONSIDERED A PART OF THIS PERMIT.

THIS PERMIT SHALL BE EFFECTIVE FROM THE DATE OF ITS ISSUANCE UNTIL 12/15/78 OR UNTIL REVOKED OR SURRENDERED AND SHALL BE SUBJECT TO ALL LAWS OF THE STATE AND THE RULES AND REGULATIONS OF THE DEPARTMENT.


P.J. Doherty
REGIONAL ENGINEER

OPERATION PERMIT CONDITIONS
FOR AIR POLLUTION SOURCES

(Excluding Incinerators and Fossil Fuel Steam Generators)

Permit No. A003-2004

Date: 12/4/73

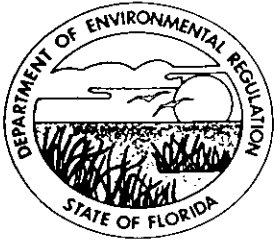
- [X] 1. Fugitive dusts and other pollutants from all sources shall be effectively controlled or eliminated by suitable means. [Chapter 17-2.04(3)]
- [X] 2. The pollution control equipment shall be maintained and operated in such a manner that all emissions will be in compliance with applicable rules and regulations of the DPC. [Chapter 17-2.03(7)]
- [] 3. The density of visible emissions for existing sources, until July 1, 1975, shall not exceed a Ringelmann Number Two or an equivalent 40% opacity. The density of visible emissions for all sources after July 1, 1975, shall not exceed a Ringelmann Number One or an equivalent 20% opacity. If the presence of uncombined water is the only reason for failure to meet these visible emissions standards, such a failure shall not be in violation of this rule. [Chapter 17-2.04(1) (a) (b) (d)]
- [X] *4. Report any problems encountered in the operation of the source that may result in discharge of pollutants in amounts higher than permitted herein. Cease operation forthwith unless permission has been obtained from the regional office of the DPC to operate the source for an interim period. [Chapter 17-4.13]
- [X] 5. This permit is issued on the basis of the data submitted in the application and the existing requirements of this agency as set forth in Chapter 17-2 (revised January 18, 1972) Florida Administrative Code. The owner shall obtain written permission from the DPC before making changes in the operation of the source (i.e. higher production rate, different raw materials and fuels, etc.) that may increase the quantity of pollutants or change their composition. [Chapter 17-2.01]
- [X] 6. This permit is not transferable. Upon the sale or legal transfer of the source covered by this permit, the new owner must apply by letter for a transfer of this permit within thirty days. [Chapter 17-4.12]
- [X] 7. Test the emissions for the following pollutant(s) at intervals of 1 year from the date of this permit and submit four copies of test results to the regional engineer of this agency within fifteen days of such testing. [Chapter 17-2.07(1)] (wet chemistry)
- | | |
|-------------------|----------------------|
| [X] Particulates | [X] Sulfur Oxides |
| [] Fluorides | [] Nitrogen Oxides |
| [] Plume Density | [] Hydrocarbons |
| | (x) Hydrogen Sulfide |
- [X] 8. Air pollutants which cause or contribute to an objectionable odor shall be effectively controlled or eliminated by suitable means. [Chapter 17-2.04(4)]
- [X] 9. Provide such sampling and testing facilities as may be necessary for the proper determination of the nature and quantity of air pollutants emitted from this source. [Chapter 17-2.07]
- [] 10. Identify the pollution source and/or control equipment by its manufacturer, model number, serial number, capacity, and any other pertinent information. Submit this information on or before

Operation Permit Conditions

Permit No. A003-2004Date: 12/4/73

- () 11. According to the Process Weight Table in revised Chapter 17-2 (revised 1/18/72) your maximum allowable emission rate for a process rate of _____ is _____.
- (*) 12. Submit for this facility each calendar year, an emission report for the preceding calendar year containing the following information.
- A. Annual amount of materials utilized with percent of utilization given for December through February, March through May, June through August and September through November.
- B. Annual amount of fuels utilized giving sulfur content with percent of utilization for December through February, March through May, June through August and September through November.
- C. Annual emissions.
- D. Any changes in the information contained in the permit application.
- (x) 13. The allowable emission rate of particulate matter for a black liquor recovery furnace of 112,500 lbs/hr rate is 112.5 lbs/hr.
- (x) 14. Total reduced sulfur shall not exceed 17.5 ppm expressed as H₂S on a dry gas basis.
- (x) 15. If odor problems continue the Department of Pollution Control may require a sampling procedure and/or control program be established.

*Note: The Northwest Department of Pollution Control must be notified in writing within a period of 72 hours and must be informed of the time required to put control device in operation.



Florida Department of Environmental Regulation

Northwest District • 160 Governmental Center • Pensacola, Florida 32501-5794

Lawton Chiles, Governor

Virginia B. Wetherell, Secretary

PERMITTEE:

Stone Container Corporation

I.D. Number: 10PCY03000921

Permit/Certification Number: A003-222668

Date of Issue: June 10, 1993

Expiration Date: March 1, 1998

County: Bay

Latitude/Longitude: 30°08'31"N/85°37'15"W

Project: Smelt Dissolving Tank No. 1

This permit is issued under the provisions of Section 403.087, Florida Statutes, and Florida Administrative Code Rules 17-296, 17-297 and 17-4. The above named applicant, hereinafter called Permittee, is hereby authorized to perform the work or operate the facility shown on the application and approved drawing(s), plans, and other documents attached hereto or on file with the Department and made a part hereof and specifically described as follows:

Operation of Smelt Dissolving Tank No. 1, rated to receive from Recovery Boiler No. 1: 48,500 pounds per hour of molten smelt (36,375 pounds Na_2CO_3 and 12,125 pounds NO_2S) which is dissolved in weak wash containing 8,100 pounds per hour of salts to yield green liquor. The molten smelt creates steam which carries out solid particulates. Particulate matter (PM) emissions are controlled by demister pads made by Otto H. York Company. Total Reduced Sulfur (TRS) emissions are controlled by scrubber water and fresh water applied to demister pads.

Located: 1 Everett Avenue, Parker (Panama City).

Specific Condition No. 4 requires annual PM and visible emissions (VE) tests due before the end of November and TRS tests due in 1997 before the end of November.

Specific Condition No. 5 requires weak wash injection flow rates to be recorded and these records to be available for Department inspection.

Specific Condition No. 6 requires submittal of annual operation reports.

Specific Condition No. 7 requires submittal of permit renewal application by January 1, 1998.

PERMITTEE:
Stone Container Corporation

I.D. Number: 10PCY03000921
Permit/Certification Number: A003-222668
Date of Issue: June 10, 1993
Expiration Date: March 1, 1998

SPECIFIC CONDITIONS:

1. The attached General Conditions are part of this permit.

2. The maximum allowable operating rate is 123,700 pounds of black liquor solids fed to Recovery Boiler No. 1 per hour. This is the operating rate at which compliance with standards shall be demonstrated.

3. The maximum allowable emission rate for each pollutant is as follows:

Visible emissions shall not exceed 45% opacity, except up to 60% opacity is allowed for one six-minute period during any one hour.

| <u>Pollutant</u> | <u>Emission Rate</u> | <u>Allowable Emissions</u> | |
|------------------|--------------------------|----------------------------|-------------|
| | | <u>lb/hr</u> | <u>T/yr</u> |
| PM | 29.71 lb/hr (1) | 29.71 | 124.8 |
| TRS | .048lb TRS/3000lb BLS(2) | 1.98 | 8.3 |

Operating for 8760 hrs/yr

BLS = Black Liquor Solids, produced at a rate of 3000 lbs BLS/2000 lbs dry unbleached pulp

(1) Application to construct, 12/77

(2) F.A.C. Rule 17-296.404(d)(1)

4. Test for emissions of the following pollutants before November 30 according to the test methods and frequency indicated, notify the Department 14 days prior to testing and submit the test report documentation to the Department within 45 days after completion of testing.

| <u>Pollutant</u> | <u>Frequency</u> | <u>Test Method</u> |
|------------------|------------------|----------------------|
| PM | Annual | EPA method 5 |
| VE | Annual | DER method 9 |
| TRS | 1997 | EPA method 16 or 16A |

The VE test shall be conducted during one of the PM test runs. Test reports shall comply with F.A.C. Rule 17-297.570, Test Reports. The Department can require special compliance tests in accordance with F.A.C. Rule 17-297.340(2).

5. Pre-demister weak wash injection shall be maintained at a minimum flow rate of 20 gpm. This weak wash injection is a surrogate parameter used to control TRS emissions and shall be recorded at least once per operator shift per day. Records of weak wash injection flow rates shall be kept and be available for Department inspection for a minimum of two (2) years.

PERMITTEE:

Stone Container Corporation

I.D. Number: 10PCY03000921

Permit/Certification Number: A003-222668

Date of Issue: June 10, 1993

Expiration Date: March 1, 1998

SPECIFIC CONDITIONS:

6. An annual operation report [DER Form 17-210.900(4) attached] shall be submitted by March 1 each year. The attached form shall be reproduced by the permittee and used for future annual submittals.

7. An application to renew this permit shall be submitted prior to January 1, 1998.

8. The permanent source identification number for this point source is 10PCY03000921. Please cite this number on all test reports and other correspondence specific to this permitted point source.

9. The Department telephone number for reporting problems, malfunctions or exceedances under this permit is (904) 436-8300, day or night, and for emergencies involving a significant threat to human health or the environment is (904) 488-1320. For routine business, telephone (904) 872-4375 during normal working hours.

Expiration Date:

March 1, 1998

Issued this 10th day of June,
1993.

STATE OF FLORIDA DEPARTMENT
OF ENVIRONMENTAL REGULATION


BOBBY A. COOLEY
District Director

PERMITTEE:

Stone Container Corporation

I.D. Number: 10PCY03000921

Permit/Certification Number: AO03-222668

Date of Issue: June 10, 1993

Expiration Date: March 1, 1998

GENERAL CONDITIONS:

1. The terms, conditions, requirements, limitations, and restrictions set forth in this permit are "permit conditions", and are binding and enforceable pursuant to Sections 403.141, 403.727, or 403.859 through 403.861, Florida Statutes. The permittee is placed on notice that the Department will review this permit periodically and may initiate enforcement action for any violation of these conditions.
2. This permit is valid only for the specific processes and operations applied for and indicated in the approved drawings or exhibits. Any unauthorized deviation from the approved drawings, exhibits, specifications, or conditions of this permit may constitute grounds for revocation and enforcement action by the Department.
3. As provided in Subsections 403.087(6) and 403.722(5), Florida Statutes, the issuance of this permit does not convey any vested rights or any exclusive privileges. Nor does it authorize any injury to public or private property or any invasion of personal rights, nor any infringement of federal, state or local laws or regulations. This permit does not constitute a waiver of or approval of any other Department permit that may be required for other aspects of the total project which are not addressed in the permit.
4. This permit conveys no title to land or water, does not constitute state recognition or acknowledgment of title, and does not constitute authority for the use of submerged lands unless herein provided and the necessary title or leasehold interests have been obtained from the state. Only the Trustees of the Internal Improvement Trust Fund may express state opinion as to title.
5. This permit does not relieve the permittee from liability for harm or injury to human health or welfare, animal, or plant life, or property caused by the construction or operation of this permitted source, or from penalties therefore; nor does it allow the permittee to cause pollution in contravention of Florida Statutes and Department rules, unless specifically authorized by an order from the Department.
6. The permittee shall properly operate and maintain the facility and systems of treatment and control (and related appurtenances) that are installed and used by the permittee to achieve compliance with the conditions of this permit, are required by Department rules. This provision includes the operation of backup or auxiliary facilities or similar systems when necessary to achieve compliance with the conditions of the permit and when required by Department rules.
7. The permittee, by accepting this permit, specifically agrees to allow authorized Department personnel, upon presentation of credentials or other documents as may be required by law, access to the premises, at reasonable times, where the permitted activity is located or conducted for the purpose of:
 - a. Having access to and copying any records that must be kept under the conditions of this permit;
 - b. Inspecting the facility, equipment, practices, or operations regulated or required under this permit; and,

PERMITTEE:
Stone Container Corporation

I.D. Number: 10PCY03000921
Permit/Certification Number: A003-222668
Date of Issue: June 10, 1993
Expiration Date: March 1, 1998

GENERAL CONDITIONS:

c. Sampling or monitoring any substances or parameters at any location reasonably necessary to assure compliance with this permit or Department rules.

Reasonable time may depend on the nature of the concern being investigated.

8. If, for any reason, the permittee does not comply with or will be unable to comply with any condition or limitation specified in this permit, the permittee shall immediately provide the Department with the following information:

a. A description of and cause of noncompliance; and

b. The period of noncompliance, including exact dates and times; or, if not corrected, the anticipated time the noncompliance is expected to continue, and steps being taken to reduce, eliminate, and prevent recurrence of the noncompliance. The permittee shall be responsible for any and all damages which may result and may be subject to enforcement action by the Department for penalties or for revocation of this permit.

9. In accepting this permit, the permittee understands and agrees that all records, notes, monitoring data and other information relating to the construction or operation of this permitted source which are submitted to the Department may be used by the Department as evidence in any enforcement case involving the permitted source arising under the Florida Statutes or Department rules, except where such use is proscribed by Sections 403.73 and 403.111, Florida Statutes. Such evidence shall only be used to the extent it is consistent with Florida Rules of Civil Procedure and appropriate evidentiary rules.

10. The permittee agrees to comply with changes in Department rules and Florida Statutes after a reasonable time for compliance, provided however, the permittee does not waive any other rights granted by Florida Statutes or Department rules.

11. This permit is transferable only upon Department approval in accordance with Florida Administrative Code Rules 17-4.120 and 17-730.300, as applicable. The permittee shall be liable for any noncompliance of the permitted activity until the transfer is approved by the Department.

12. This permit is required to be kept at the work site of the permitted activity during the entire period of construction or operation.

13. The permittee shall comply with the following:

a. Upon request, the permittee shall furnish all records and plans required under Department rules. During enforcement actions, the retention period for all records will be extended automatically unless otherwise stipulated by the Department.

b. The permittee shall hold at the facility or other location designated by this permit records of all monitoring information (including all calibration and maintenance records and all original strip chart recordings for continuous

PERMITTEE:
Stone Container Corporation

I.D. Number: 10PCY03000921
Permit/Certification Number: A003-222668
Date of Issue: June 10, 1993
Expiration Date: March 1, 1998

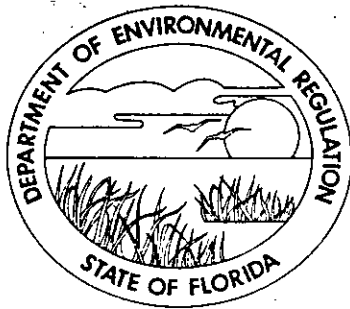
GENERAL CONDITIONS:

monitoring instrumentation) required by the permit, copies of all reports required by this permit, and records of all data used to complete the application for this permit. These materials shall be retained at least three years from the date of the sample, measurement, report or application unless otherwise specified by Department rule.

c. Records of monitoring information shall include:

- the date, exact place, and time of sampling or measurement;
- the person responsible for performing the sampling or measurement;
- the date(s) analyses were performed;
- the person responsible for performing the analyses;
- the analytical techniques or methods used; and
- the results of such analyses.

14. When requested by the Department, the permittee shall within a reasonable time furnish any information required by law which is needed to determine compliance with the permit. If the permittee becomes aware the relevant facts were not submitted or were incorrect in the permit application or in any report to the Department, such facts or information shall be corrected promptly.



STATE OF FLORIDA
DEPARTMENT OF
ENVIRONMENTAL REGULATION

SOUTHWEST FOREST INDUSTRIES
BAY COUNTY
SMELT DISSOLVING #1

OPERATION
PERMIT

NO. AO03-63149

DATE OF ISSUANCE

February 11, 1983

DATE OF MODIFICATION

July 25, 1986

DATE OF EXPIRATION

January 1, 1988

ROBERT V. KRIEGEL
District Manager

DEPARTMENT OF ENVIRONMENTAL REGULATION

NORTHWEST DISTRICT

160 GOVERNMENTAL CENTER
PENSACOLA, FLORIDA 32501-5794



BOB GRAHAM
GOVERNOR

VICTORIA J. TSCHINKEL
SECRETARY

ROBERT V. KRIEGL
DISTRICT MANAGER

PERMITTEE:

Southwest Forest
Industries

I.D. Number: 10/03/0009/21
Permit/Certification Number: A003-63149
Date of Issue: February 11, 1983
Date of Modification: JUL 25 1986

Expiration Date: January 1, 1988
County: Bay
Latitude/Longitude: 30°08'30"N/85°37'15"W
Section/Township/Range: Parker/4S/14W
Project: Smelt Dissolving #1

This permit is issued under the provisions of Chapter 403, Florida Statutes, and Florida Administrative Code Rules 17-2 and 17-4. The above named applicant, hereinafter called Permittee, is hereby authorized to perform the work or operate the facility shown on the application and approved drawing(s), plans, and other documents attached hereto or on file with the department and made a part hereof and specifically described as follows:

Operation of Smelt Dissolving #1; 48,500 pounds per hour of smelt (36,375 pounds Na_2CO_3 and 12,125 pounds Na_2S) from Recovery Boiler #1 are dissolved in weak wash containing 8,100 pounds per hour of salts to yield green liquor. The molten smelt creates steam which carries out liquid as it evolves. Particulate emissions are controlled by demister pads made by Otto H. York Company. Total Reduced Sulfur (TRS) emissions are controlled by scrubber water applied to demister pads.

Located: #1 Everett Avenue, Parker (Panama City).

This smelt dissolver shall be subject to TRS emission standards of Florida Administrative Code (FAC) Rule 17-2.600(4)(c)4.a., Continuous Emission Monitoring requirements of FAC Rule 17-2.710(3)(d) and the Compliance Schedules of FAC Rule 17-2.960(1).

PERMITTEE: I.D. Number: 10/03/0009/21
Southwest Forest Industries Permit/Certification Number: A003-63149
Date of Issue: February 11, 1983
Date of Modification: JUL 25 1986
Expiration Date: January 1, 1988

GENERAL CONDITIONS:

1. The terms, conditions, requirements, limitations, and restrictions set forth herein are "Permit Conditions", and as such are binding upon the permittee and enforceable pursuant to the authority of Sections 403.161, 403.727, or 403.859 through 403.861, Florida Statutes. The permittee is hereby placed on notice that the Department will review this permit periodically and may initiate enforcement action for any violation of the "Permit Conditions" by the permittee, its agents, employees, servants or representatives.
2. This permit is valid only for the specific processes and operations applied for and indicated in the approved drawings or exhibits. Any unauthorized deviation from the approved drawings, exhibits, specifications, or conditions of this permit may constitute grounds for revocation and enforcement action by the department.
3. As provided in Subsections 403.087(6) and 403.722(5), Florida Statutes, the issuance of this permit does not convey any vested rights or any exclusive privileges. Nor does it authorize any injury to public or private property or any invasion of personal rights, nor any infringement of federal, state or local laws or regulations. This permit does not constitute a waiver of or approval of any other department permit that may be required for other aspects of the total project which are not addressed in the permit.
4. This permit conveys no title to land or water, does not constitute state recognition or acknowledgement of title, and does not constitute authority for the use of submerged lands unless herein provided and the necessary title or leasehold interests have been obtained from the state. Only the Trustees of the Internal Improvement Trust Fund may express state opinion as to title.
5. This permit does not relieve the permittee from liability for harm or injury to human health or welfare, animal, plant or aquatic life or property and penalties therefore caused by the construction or operation of this permitted source, nor does it allow the permittee to cause pollution in contravention of Florida Statutes and department rules, unless specifically authorized by an order from the department.
6. The permittee shall at all times properly operate and maintain the facility and systems of treatment and control (and related appurtenances) that are installed or used by the permittee to achieve compliance with the conditions of this permit, as required by department rules. This provision includes the operation of backup or auxiliary facilities or similar systems when necessary to achieve compliance with the conditions of the permit and when required by department rules.

PERMITTEE: I.D. Number: 10/03/0009/21
Southwest Forest Industries Permit/Certification Number: A003-63149
Date of Issue: February 11, 1983
Date of Modification: JUL 25 1986
Expiration Date: January 1, 1988

GENERAL CONDITIONS:

7. The permittee, by accepting this permit, specifically agrees to allow authorized department personnel, upon presentation of credentials or other documents as may be required by law, access to the premises, at reasonable times, where the permitted activity is located or conducted for the purpose of:

- a. Having access to and copying any records that must be kept under the conditions of the permit;
- b. Inspecting the facility, equipment, practices, or operations regulated or required under this permit; and
- c. Sampling or monitoring any substances or parameters at any location reasonably necessary to assure compliance with this permit or department rules.

Reasonable time may depend on the nature of the concern being investigated.

8. If, for any reason, the permittee does not comply with or will be unable to comply with any condition or limitation specified in this permit, the permittee shall immediately notify and provide the department with the following information:

- a. A description of and cause of noncompliance; and
- b. The period of noncompliance, including exact dates and times; or, if not corrected, the anticipated time the noncompliance is expected to continue, and steps being taken to reduce, eliminate, and prevent recurrence of the noncompliance.

The permittee shall be responsible for any and all damages which may result and may be subject to enforcement action by the department for penalties or revocation of this permit.

9. In accepting this permit, the permittee understands and agrees that all records, notes, monitoring data and other information relating to the construction or operation of this permitted source, which are submitted to the department, may be used by the department as evidence in any enforcement case arising under the Florida Statutes or department rules, except where such use is proscribed by Sections 403.73 and 403.111, Florida Statutes.

PERMITTEE:

I.D. Number: 10/03/0009/21
Southwest Forest Industries Permit/Certification Number: A003-63149
Date of Issue: February 11, 1983
Date of Modifications: JUL 25 1986

Expiration Date: January 1, 1988

GENERAL CONDITIONS:

10. The permittee agrees to comply with changes in department rules and Florida Statutes after a reasonable time for compliance, provided however, the permittee does not waive any other rights granted by Florida Statutes or department rules.

11. This permit is transferable only upon department approval in accordance with Florida Administrative Code Rules 17-4.12 and 17-30.30, as applicable. The permittee shall be liable for any noncompliance of the permitted activity until the transfer is approved by the department.

12. This permit is required to be kept at the work site of the permitted activity during the entire period of construction or operation.

13. The permittee shall comply with the following monitoring and record keeping requirements:

- a. Upon request, the permittee shall furnish all records and plans under department rules. The retention period for all records will be extended automatically, unless otherwise stipulated by the department, during the course of any unresolved enforcement action.
- b. The permittee shall retain at the facility or other location designated by this permit records of all monitoring information (including all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation), copies of all reports required by this permit, and records of all data used to complete the application for this permit. The time period of retention shall be at least three years from the date of the sample, measurement, report or application unless otherwise specified by department rule.
- c. Records of monitoring information shall include:
 - the date, exact place, and time of sampling or measurement;
 - the person responsible for performing the sampling or measurement;
 - the date(s) analyses were performed;
 - the person responsible for performing the analyses;
 - the analytical techniques or methods used; and
 - the results of such analyses.

PERMITTEE: I.D. Number: 10/03/0009/21
Southwest Forest Industries Permit/Certification Number: A003-63149
Date of Issue: February 11, 1983
Date of Modification: JUL 25 1986
Expiration Date: January 1, 1988

GENERAL CONDITIONS:

14. When requested by the department, the permittee shall within a reasonable time furnish any information required by law which is needed to determine compliance with the permit. If the permittee becomes aware that relevant facts were not submitted or were incorrect in the permit application or in any report to the department, such facts or information shall be submitted or corrected promptly.

SPECIFIC CONDITIONS:

15. The maximum allowable operating rate is 48,500 pounds of smelt (as is) and 8,100 pounds of weak wash solids (as is) per hour. This is the operating rate at which compliance with standards shall be demonstrated. This maximum allowable operating rate is equivalent to 112,500 pounds of black liquor solids fed to Recovery Boiler #1.

16. Visible emissions shall not exceed 20% opacity under normal operating conditions.

17. Particulate emissions shall not exceed 28.52 pounds per hour at the maximum allowable operating rate of 56,600 pounds of smelt and weak wash solids per hour. At lesser operating rates the particulate emissions shall not exceed the amount shown in the Process Weight Table 610-1 or that calculated from the appropriate equation of Section 17-2.610(1), Florida Administrative Code.

18. TRS emissions shall not exceed 1.80 pounds per hour at the maximum allowed operating rate of 112,500 pounds of black liquor solids per hour. At lesser operating rates these emissions shall not exceed 0.0480 pounds of TRS per 3,000 pounds of black liquor solids.

19. Particulates and visible emissions tests are required to show continuing compliance with the standards of the Department. The test results must provide reasonable assurance that the source is capable of compliance at the permitted maximum operating rate. Tests shall be conducted in accordance with EPA methods 1, 2, 3, 5 and 9. Such tests shall be conducted once per year before the end of September. Results shall be submitted to the Department within 45 days after testing. The Department shall be notified at least 15 days prior to testing to allow witnessing.

PERMITTEE:

Southwest Forest Industries

I.D. Number: 10/03/0009/21

Permit/Certification Number: A003-63149

Date of Issue: February 11, 1983

Date of Modification: JUL 25 1986

Expiration Date: January 1, 1988

SPECIFIC CONDITIONS:

20. TRS emission tests are required to show compliance with the standard (Condition 18). The test results must provide reasonable assurance that the source is capable of compliance at the permitted maximum operating rate. Tests shall be conducted in accordance with EPA method 16. Such tests shall be conducted as expeditiously as possible, but no later than six months after May 12, 1986, unless delayed by a schedule submitted in accordance with Condition 21 below. In conjunction with these tests, all control parameters data required to fulfill FAC Rule 17-2.710(3)(d) shall be recorded and submitted with a recommendation concerning frequency and method of monitoring parameters to assure continuing compliance with the TRS standard (Condition 18).

21. If continuing compliance with TRS emission standard is not demonstrated by tests and control parameters recommendation of Condition 20, the permittee shall submit an acceptable plan and schedule to achieve final compliance. This plan and schedule shall be submitted to the Department as expeditiously as possible but no later than six months after May 12, 1986. The plan and schedule shall specify the applicability of FAC Rule 17-2.960(1)(c) [final compliance prior to 18 months after May 12, 1986] or FAC Rule 17-2.960(1)(d) [final compliance prior to 36 months after May 12, 1986].

The plan and schedule shall conclude with TRS testing and compliance recommendation report required by Condition 20 as final proof of continuing compliance.

22. For emissions inventory purposes, the TRS emissions required to be met by this source on the date of final compliance is estimated to be less than 1.80 pounds per hour (7.88 tons/year).

Also for emissions inventory purposes, the TRS emissions during the interim period (prior to final compliance) are estimated to meet the standard and be less than 1.80 pounds per hour (7.88 tons/year).

23. An annual operation report (DER Form 17-1.202(6) attached) shall be submitted by March 1 each year. The attached form shall be reproduced by the permittee and used for future annual submittals.

24. The permanent source identification number for this point source is 10/03/0009/21. Please cite this number on all test reports and other correspondence specific to this permitted point source.

PERMITTEE:

Southwest Forest Industries

I.D. Number: 10/03/0009/21

Permit/Certification Number: A003-63149

Date of Issue: February 11, 1983

Date of Modification: JUL 25 1986

Expiration Date: January 1, 1988

SPECIFIC CONDITIONS:

Expiration Date:

January 1, 1988

Issued this 25 day of July,
1986.

STATE OF FLORIDA DEPARTMENT
OF ENVIRONMENTAL REGULATION

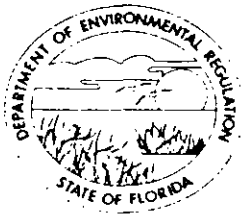
Norman J. Richards, Jr.
ROBERT V. KRIEDEL
District Manager

STATE OF FLORIDA

DEPARTMENT OF ENVIRONMENTAL REGULATION

NORTHWEST DISTRICT

160 GOVERNMENTAL CENTER
PENSACOLA, FLORIDA 32501-5794



BOB GRAHAM
GOVERNOR

VICTORIA J. TSCHINKEL
SECRETARY

ROBERT V. KRIEDEL
DISTRICT MANAGER

July 25, 1986

Mr. J. F. Stewart
Vice-President & General Manager
Southwest Forest Industries
Post Office Box 2560
Panama City, Florida 32401

Dear Mr. Stewart:

By this letter, permit numbers AO03-63151, 78464, 63149, 78459, 63150, 90960 and 90958 are modified to include the following additional specific condition:

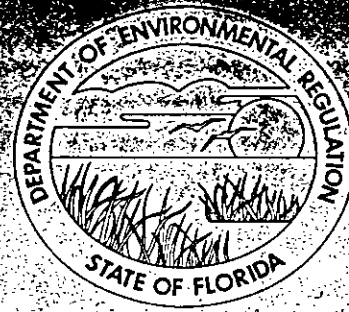
To comply with the requirements of FAC Rule 17-2.971(3)(b), the permittee shall continue to operate in the manner described in letter from L. D. Riley, Jr., dated July 16, 1986, to minimize TRS emissions during the interim period prior to final compliance.

This letter shall be attached to and made a part of each of the referenced permits.

Sincerely,

Robert V. Kriegel
District Manager

RVK/jpl



STATE OF FLORIDA
DEPARTMENT OF
ENVIRONMENTAL REGULATION

Southwest Forest Industries
Dissolver No. 1
Bay County

OPERATION
PERMIT

NO. AO03-63149

DATE OF ISSUANCE

FEB 11 1983



Robert V. Krieger
District Manager

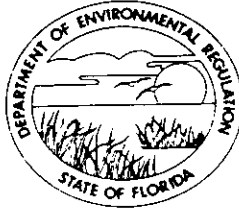
DATE OF EXPIRATION

January 1, 1988

STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL REGULATION

NORTHWEST DISTRICT

160 GOVERNMENTAL CENTER
PENSACOLA, FLORIDA 32501



BOB GRAHAM
GOVERNOR

VICTORIA J. TSCHINKEL
SECRETARY

ROBERT V. KRIEGLER
DISTRICT MANAGER

PERMITTEE:

Southwest Forest
Industries

I.D. Number: 10/03/0009/21
Permit/Certification Number: A003-63149
Date of Issue: **FEB 11 1983**

Expiration Date: January 1, 1988
County: Bay
Latitude/Longitude: 30°08'31"/85°37'16"
Section/Township/Range: Parker/4S/13W
Project: Dissolver #1

This permit is issued under the provisions of Chapter 403, Florida Statutes, and Florida Administrative Code Rules 17-2 and 17-4. The above named applicant, hereinafter called Permittee, is hereby authorized to perform the work or operate the facility shown on the application and approved drawing(s), plans, and other documents attached hereto or on file with the department and made a part hereof and specifically described as follows:

Operation of #1 Smelt Dissolver - 48,500 pounds per hour of smelt (36,375 pounds Na_2CO_3 and 12,125 pounds N_2S) from #1 recovery boiler are dissolved in weak wash containing 8,100 pounds per hour of salts to yield green liquor. The molten smelt creates steam which carries out liquid as it evolves. Particulates emissions are controlled by demister pads made by Otto H. York Co.

Located: #1 Everett Avenue, Panama City.

PERMITTEE:
Southwest Forest
Industries

I.D. Number: 10/03/0009/21
Permit/Certification Number: A003-63149
Date of Issue: **FEB 11 1983**

Expiration Date: January 1, 1988

GENERAL CONDITIONS:

1. The terms, conditions, requirements, limitations, and restrictions set forth herein are "Permit Conditions", and as such are binding upon the permittee and enforceable pursuant to the authority of Sections 403.161, 403.727, or 403.859 through 403.861, Florida Statutes. The permittee is hereby placed on notice that the Department will review this permit periodically and may initiate enforcement action for any violation of the "Permit Conditions" by the permittee, its agents, employees, servants or representatives.
2. This permit is valid only for the specific processes and operations applied for and indicated in the approved drawings or exhibits. Any unauthorized deviation from the approved drawings, exhibits, specifications, or conditions of this permit may constitute grounds for revocation and enforcement action by the department.
3. As provided in Subsections 403.087(6) and 403.722(5), Florida Statutes, the issuance of this permit does not convey any vested rights or any exclusive privileges. Nor does it authorize any injury to public or private property or any invasion of personal rights, nor any infringement of federal, state or local laws or regulations. This permit does not constitute a waiver of or approval of any other department permit that may be required for other aspects of the total project which are not addressed in the permit.
4. This permit conveys no title to land or water, does not constitute state recognition or acknowledgement of title, and does not constitute authority for the use of submerged lands unless herein provided and the necessary title or leasehold interests have been obtained from the state. Only the Trustees of the Internal Improvement Trust Fund may express state opinion as to title.
5. This permit does not relieve the permittee from liability for harm or injury to human health or welfare, animal, plant or aquatic life or property and penalties therefor caused by the construction or operation of this permitted source, nor does it allow the permittee to cause pollution in contravention of Florida Statutes and department rules, unless specifically authorized by an order from the department.
6. The permittee shall at all times properly operate and maintain the facility and systems of treatment and control (and related appurtenances) that are installed or used by the permittee to achieve compliance with the conditions of this permit, as required by department rules. This provision includes the operation of backup or auxiliary facilities or similar systems when necessary to achieve compliance with the conditions of the permit and when required by department rules.

PERMITTEE:
Southwest Forest
Industries

I.D. Number: 10/03/0009/21
Permit/Certification Number: A003-63149
Date of Issue: **FEB 11 1983**
Expiration Date: January 1, 1988

GENERAL CONDITIONS:

7. The permittee, by accepting this permit, specifically agrees to allow authorized department personnel, upon presentation of credentials or other documents as may be required by law, access to the premises, at reasonable times, where the permitted activity is located or conducted for the purpose of:

- a. Having access to and copying any records that must be kept under the conditions of the permit;
- b. Inspecting the facility, equipment, practices, or operations regulated or required under this permit; and
- c. Sampling or monitoring any substances or parameters at any location reasonably necessary to assure compliance with this permit or department rules.

Reasonable time may depend on the nature of the concern being investigated.

8. If, for any reason, the permittee does not comply with or will be unable to comply with any condition or limitation specified in this permit, the permittee shall immediately notify and provide the department with the following information:

- a. A description of and cause of noncompliance; and
- b. The period of noncompliance, including exact dates and times; or, if not corrected, the anticipated time the noncompliance is expected to continue, and steps being taken to reduce, eliminate, and prevent recurrence of the noncompliance.

The permittee shall be responsible for any and all damages which may result and may be subject to enforcement action by the department for penalties or revocation of this permit.

9. In accepting this permit, the permittee understands and agrees that all records, notes, monitoring data and other information relating to the construction or operation of this permitted source, which are submitted to the department, may be used by the department as evidence in any enforcement case arising under the Florida Statutes or department rules, except where such use is proscribed by Sections 403.73 and 403.111, Florida Statutes.

PERMITTEE:
Southwest Forest
Industries

I.D. Number: 10/03/0009/21
Permit/Certification Number: A003-63149
Date of Issue: **FEB 11 1983**

Expiration Date: January 1, 1988

GENERAL CONDITIONS:

10. The permittee agrees to comply with changes in department rules and Florida Statutes after a reasonable time for compliance, provided however, the permittee does not waive any other rights granted by Florida Statutes or department rules.

11. This permit is transferable only upon department approval in accordance with Florida Administrative Code Rules 17-4.12 and 17-30.30, as applicable. The permittee shall be liable for any noncompliance of the permitted activity until the transfer is approved by the department.

12. This permit is required to be kept at the work site of the permitted activity during the entire period of construction or operation.

13. This permit also constitutes:

- () Determination of Best Available Control Technology (BACT)
- () Determination of Prevention of Significant Deterioration (PSD)
- () Certification of Compliance with State Water Quality Standards (Section 401, PL 92-500)
- () Compliance with New Source Performance Standards

14. The permittee shall comply with the following monitoring and record keeping requirements:

- a. Upon request, the permittee shall furnish all records and plans under department rules. The retention period for all records will be extended automatically, unless otherwise stipulated by the department, during the course of any unresolved enforcement action.
- b. The permittee shall retain at the facility or other location designated by this permit records of all monitoring information (including all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation), copies of all reports required by this permit, and records of all data used to complete the application for this permit. The time period of retention shall be at least three years from the date of the sample, measurement, report or application unless otherwise specified by department rule.

PERMITTEE:
Southwest Forest

I.D. Number: 10/03/0009/21
Permit/Certification Number: A003-63149
Date of Issue: **FEB 11 1983**

Expiration Date: January 1, 1988

GENERAL CONDITIONS:

c. Records of monitoring information shall include:

- the date, exact place, and time of sampling or measurement;
- the person responsible for performing the sampling or measurement;
- the date(s) analyses were performed;
- the person responsible for performing the analyses;
- the analytical techniques or methods used; and
- the results of such analyses.

15. When requested by the department, the permittee shall within a reasonable time furnish any information required by law which is needed to determine compliance with the permit. If the permittee becomes aware that relevant facts were not submitted or were incorrect in the permit application or in any report to the department, such facts or information shall be submitted or corrected promptly.

SPECIFIC CONDITIONS:

16. The maximum allowable operating rate is 48,500 pounds of smelt and 8,100 pounds of weak wash solids per hour. This is the operating rate at which compliance with standards shall be demonstrated.

17. Visible emissions shall not exceed 20% opacity under normal operating conditions.

18. Particulate emissions shall not exceed 28.52 pounds per hour at the maximum allowable operating rate of 56,600 pounds of smelt and weak wash solids per hour. At lesser operating rates the particulate emissions shall not exceed the amount shown in the Process Weight Table 610-1 or that calculated from the appropriate equation of Section 17-2.610(1), Florida Administrative Code.

19. Particulates and visible emissions tests are required to show continuing compliance with the standards of the Department. The test results must provide reasonable assurance that the source is capable of compliance at the permitted maximum operating rate. Tests shall be conducted in accordance with EPA methods 1, 2, 3, 5 and 9. Such tests shall be conducted once per year before the end of September. Results shall be submitted to the Department within 45 days after testing. The Department shall be notified at least 15 days prior to testing to allow witnessing.

20. An annual operation report (DER Form 17-1.202(6) attached) shall be submitted by March 1 each year. The attached form shall be reproduced by the permittee and used for future annual submittals.

PERMITTEE:
Southwest Forest

I.D. Number: 10/03/0009/21
Permit/Certification Number: A003-63149
Date of Issue: **FEB 11 1983**

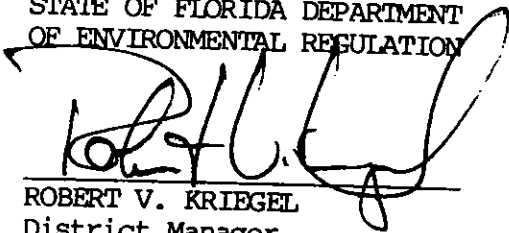
Expiration Date: January 1, 1988

SPECIFIC CONDITIONS:

Expiration Date:
January 1, 1988

Issued this 11th day of Feb,
1983.

STATE OF FLORIDA DEPARTMENT
OF ENVIRONMENTAL REGULATION


ROBERT V. KRIEGEL
District Manager

RECEIVED

DEC 03 1982

NORTHWEST FLORIDA
DER



PAID
\$500.00 med
DEC 03 1982

17003-63144

STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL REGULATION

APPLICATION FOR RENEWAL OF
PERMIT TO OPERATE AIR POLLUTION SOURCE(S)

If major alterations have occurred, the applicant should complete the Standard Air Permit Application Form.

Source Type: No. 1 Dissolving Tank Vent Renewal of DER Permit No.: A003-4715

Company Name: Southwest Forest Industries County: Bay

Identify the specific emission point source(s) addressed in this application (i.e.; Lime Kiln No. 4 with Ventruil Scrubber; Peaking Unit No. 2. Gas Fired):

No. 1 Dissolving Tank Vent

Source Location: Street: No. 1 Everitt Avenue City: Panama City, Florida

UTM: East 632.81 North 3,335.13

Latitude: 0 "N. Longitude: 0 "

(\$500)

1. Attach herewith a twenty dollar (~~\$20~~) check made payable to the "Department of Environmental Regulation."
2. Have there been any alterations to the plant since last permitted? Yes No
If minor alterations have occurred, describe on a separate sheet and attach.
3. Attach the last compliance test report required per permit conditions if not submitted previously.
4. Have previous permit conditions been adhered to? Yes No If no, explain on a separate sheet and attach.
5. Has there been any malfunction of the pollution control equipment during tenure of current permit? Yes No
If yes, and not previously reported, give brief details and what action was taken on separate sheet and attach.
6. Has the pollution control equipment been maintained to preserve the collection efficiency last permitted by the Department?
 Yes No
7. Has the annual operating report for the last calendar year been submitted? Yes No If no, please attach.
8. Please provide the following information if applicable:

A. Raw Materials and Chemical Used in Your Process:

| Description | Type | Contaminant | % Wt | Rate | Utilization | lbs/hr |
|--|------|-------------|------|------|-------------|--------|
| Smelt From No. 1 Recovery Boiler as Na2S04 | | Unknown | | | | 61,875 |
| Solids From Weak Wash As Na2S04 | | Unknown | | | | 11,250 |
| | | | | | | |

B. Product Weight (lbs/hr): 73,125 Green Liquor Solids as Na2S04

C. Fuels

| Type (Be Specific) | Consumption* | | Maximum Heat Input (MMBTU/hr) |
|-----------------------|--------------|----------|----------------------------------|
| | Avg/hr* | Max/hr** | |
| None | None | None | None |
| | | | |
| | | | |
| | | | |

D. Normal Equipment Operating Time: hrs/day 24 ; days/wk 7 ; wks/yr 350 ; hrs/yr (power plants only)
 _____ ; if seasonal, describe _____

The undersigned owner or authorized representative*** of _____ is fully aware that the statements made in this application for a renewal of a permit to operate an air pollution source are true, correct and complete to the best of his knowledge and belief. Further, the undersigned agrees to maintain and operate the pollution source and pollution control facilities in such a manner as to comply with the provisions of Chapter 403, Florida Statutes, and all the rules and regulations of the Department. He also understands that a permit, if granted by the Department, will be non-transferable and he will promptly notify the Department upon sale or legal transfer of the permitted facility.

Helen W. Mills
 Notary Public, State of Florida at Large
 My Commission Expires April 24, 1984
 Bonded Thru Troy Fain Insurance Inc.

Signature, Owner or Authorized Representative
 (Notarization is mandatory)

J. M. Ros, Jr.
 Vice-President and General Manager

Typed Name and Title

No. 1 Everitt Avenue; P.O. Box 2560
 Address

Panama City, Florida 32401
 City State Zip

November 23, 1982 904/785-4311
 Date Telephone No.

*During actual time of operation.
 **Limits: Natural Gas-MMCF/hr; Fuel Oils-barrels/hr; Coal-lbs/hr.
 ***Attach a letter of authorization if not previously submitted.



STATE OF FLORIDA
DEPARTMENT OF
ENVIRONMENTAL REGULATION

Southwest Forest Industries
Bay County
No. 14 Dissolving Tank Vent

OPERATION
PERMIT

NO. 0005-4715A

DATE OF ISSUANCE

February 3, 1978

DATE OF EXPIRATION

February 3, 1983

Robert V. Krieger
District Manager



BOB GRAHAM
GOVERNOR

JACOB D. VARN
SECRETARY

ROBERT V. KRIEDEL
DISTRICT MANAGER

STATE OF FLORIDA

DEPARTMENT OF ENVIRONMENTAL REGULATION
NORTHWEST DISTRICT

APPLICANT:

Mr. J. M. Ros, Jr., Manager
Panama City Mill of
Southwest Forest Industries
P. O. Box 2560
Panama City, FL 32401

Operation

PERMIT/CERTIFICATION
NO. A003-4715A

COUNTY: Bay

PROJECT: #1 Dissolving
Tank Vent

This permit is issued under the provisions of Chapter 403, Florida Statutes, and Chapters 17-2 and 17-4, Florida Administrative Code. The above named applicant, herein-after called Permittee, is hereby authorized to perform the work, or operate the facility shown on the approved drawing(s), plans, documents, and specifications attached hereto and made a part hereof and specifically described as follows:

For the operation of #1 Dissolving Tank Vent - Particulates are controlled by demister pads.

Located at No. 1 Everitt Avenue Panama City, Florida
UTM Zone 16 632.81 East 3335.13 North

In accordance with the application dated December 2, 1977.

GENERAL CONDITIONS:

1. The terms, conditions, requirements, limitations, and restrictions set forth herein are "Permit Conditions", and as such are binding upon the permittee and enforceable pursuant to the authority of Section 403.161(1), Florida Statutes. Permittee is hereby placed on notice that the department will review this permit periodically and may initiate court action for any violation of the "Permit Conditions" by the permittee, its agents, employees, servants or representatives.
2. This permit is valid only for the specific processes and operations indicated in the attached drawings or exhibits. Any unauthorized deviation from the approved drawings, exhibits, specifications, or conditions of this permit shall constitute grounds for revocation and enforcement action by the department.

3. If, for any reason, the permittee does not comply with or will be unable to comply with any condition or limitation specified in this permit, the permittee shall immediately notify and provide the department with the following information: (a) a description of and cause of non-compliance; and (b) the period of non-compliance, including exact dates and times; or, if not corrected, the anticipated time the non-compliance is expected to continue, and steps being taken to reduce, eliminate, and prevent recurrence of the non-compliance. The permittee shall be responsible for any and all damages which may result and may be subject to enforcement action by the department for penalties or revocation of this permit.

4. As provided in subsection 403.087(6), Florida Statutes, the issuance of this permit does not convey any vested rights or any exclusive privileges. Nor does it authorize any injury to public or private property or any invasion of personal rights, nor any infringement of federal, state or local laws or regulations.

5. This permit is required to be posted in a conspicuous location at the work site or source during the entire period of construction or operation.

6. In accepting this permit, the permittee understands and agrees that all records, notes, monitoring data and other information relating to the construction or operation of this permitted source, which are submitted to the department, may be used by the department as evidence in any enforcement case arising under the Florida Statutes or department rules, except where such use is proscribed by Section 403.111, F.S.

7. In the case of an operation permit, permittee agrees to comply with changes in department rules and Florida Statutes after a reasonable time for compliance, provided however the permittee does not waive any other rights granted by Florida Statutes or department rules.

8. This permit does not relieve the permittee from liability for harm or injury to human health or welfare, animal, plant, or aquatic life or property and penalties therefore caused by the construction or operation of this permitted source, nor does it allow the permittee to cause pollution in contravention of Florida Statutes and department rules, except where specifically authorized by an order from the department granting a variance or exception from department rules or state statutes.

9. This permit is not transferable. Upon sale or legal transfer of the property or facility covered by this permit, the permittee shall notify the department within thirty (30) days. The new owner must apply for a permit transfer within thirty (30) days. The permittee shall be liable for any non-compliance of the permitted source until the transferee applies for and receives a transfer of permit.

10. The permittee, by acceptance of this permit, specifically agrees to allow access to permitted source at reasonable times by department personnel presenting credentials for the purposes of inspection and testing to determine compliance with this permit and department rules.

Southwest Forest Industries
Appl. Name: Mr. J. M. Ros, Jr., Manager, Panama City Mill
Project: No. 1 Dissolving Tank Vent
Page 3 of 4 of Permit No.: A003-4715A

11. This permit does not indicate a waiver of or approval of any other department permit that may be required for other aspects of the total project.

12. This permit conveys no title to land or water, nor constitutes state recognition or acknowledgement of title, and does not constitute authority for the reclamation of submerged lands unless herein provided and the necessary title or leasehold interests have been obtained from the state. Only the Trustees of the Internal Improvement Trust Fund may express state opinion as to title.

13. This permit also constitutes:

- () Determination of Best Available Control Technology (BACT)
- () Determination of Prevention of Significant Deterioration (PSD)
- () Certification of Compliance with State Water Quality Standards (Section 401, PL 92-500)

SPECIFIC CONDITIONS:

14. The permit holder must comply with Florida Statute, Chapter 403 and the applicable Chapters of the Department of Environmental Regulation in addition to the conditions of this permit (Chapter 403.161(1)(b), Florida Statutes).

15. Test the emissions for the following pollutant(s) at intervals of one/year from the date January 5, 1979 and submit a copy of test data to the District Engineer of this agency within fifteen days of such testing (Chapter 17-2.07(1), Florida Administrative Code (FAC)

Particulates

16. Testing of emissions must be accomplished at approximately the rates as stated in the application. Failure to submit the input rates or operation at conditions which do not reflect actual operating conditions may invalidate the data (Chapter 403.161(1)(c), Florida Statutes).

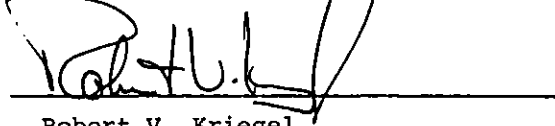
17. According to the Process Weight Table within Chapter 17-2.04(2), FAC, the maximum allowable emission rate of particulate matter for a process rate of 25.8 tons/hour is 26.93 pounds/hour. At lesser process rates, the allowable emission rates can be determined from the graph.

Southwest Forest Industries
Appl. Name: Mr. J. M. Ros, Jr., Manager, Panama City Mill
Project: No. 1 Dissolving Tank Vent
Page 4 of 4 of Permit No.: A003-4715A

Expiration Date:
February 8, 1983

Issued this 8 day of February,
1978.

STATE OF FLORIDA DEPARTMENT OF
ENVIRONMENTAL REGULATION

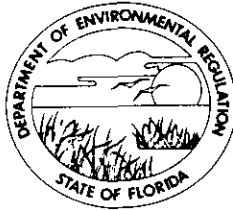


Robert V. Kriegel
District Manager

#1 SMELT - 3/1/93

STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL REGULATION

NORTHWEST DISTRICT
160 GOVERNMENTAL CENTER
PENSACOLA, FLORIDA 32501-5794



BOB MARTINEZ
GOVERNOR
DALE TWACHTMANN
SECRETARY
ROBERT V. KRIEDEL
DISTRICT MANAGER

PERMITTEE:

Stone Container Corporation

I.D. Number: 10PCY03000921
Permit/Certification Number: A003-141022
Date of Issue: MAR 21 1988

Expiration Date: March 1, 1993
County: Bay
Latitude/Longitude: 30°08'31"N/85°37'15"W
Section/Township/Range: Parker/4S/14W
Project: Smelt Dissolving #1

This permit is issued under the provisions of Chapter 403, Florida Statutes, and Florida Administrative Code Rules 17-2 and 17-4. The above named applicant, hereinafter called Permittee, is hereby authorized to perform the work or operate the facility shown of the application and approved drawing(s), plans, and other documents attached hereto or on file with the department and made a part hereof and specifically described as follows:

Operation of Smelt Dissolving #1; 48,500 pounds per hour of smelt (36,375 pounds Na_2CO_3 and 12,125 pounds Na_2S) from Recovery Boiler #1 are dissolved in weak wash containing 8,100 pounds per hour of salts to yield green liquor. The molten smelt creates steam which carries out liquid as it evolves. Particulate emissions are controlled by demister pads made by Otto H. York Company. Total Reduced Sulfur (TRS) emissions are controlled by scrubber water and fresh water applied to demister pads.

Located: #1 Everett Avenue, Parker (Panama City).

PERMITTEE:

Stone Container Corporation

I.D. Number: 10PCY03000921

Permit/Certification Number: A003-141022

Date of Issue:

MAR 21 1993

Expiration Date: March 1, 1993

GENERAL CONDITIONS:

1. The terms, conditions, requirements, limitations, and restrictions set forth herein are "Permit Conditions", and as such are binding upon the permittee and enforceable pursuant to the authority of Sections 403.161, 403.727, or 403.859 through 403.861, Florida Statutes. The permittee is hereby placed on notice that the Department will review this permit periodically and may initiate enforcement action for any violation of the "Permit Conditions" by the permittee, its agents, employees, servants or representatives.
2. This permit is valid only for the specific processes and operations applied for and indicated in the approved drawings or exhibits. Any unauthorized deviation from the approved drawings, exhibits, specifications, or conditions of this permit may constitute grounds for revocation and enforcement action by the department.
3. As provided in Subsections 403.087(6) and 403.722(5), Florida Statutes, the issuance of this permit does not convey any vested rights or any exclusive privileges. Nor does it authorize any injury to public or private property or any invasion of personal rights, nor any infringement of federal, state or local laws or regulations. This permit does not constitute a waiver of or approval of any other department permit that may be required for other aspects of the total project which are not addressed in the permit.
4. This permit conveys no title to land or water, does not constitute state recognition or acknowledgement of title, and does not constitute authority for the use of submerged lands unless herein provided and the necessary title or leasehold interests have been obtained from the state. Only the Trustees of the Internal Improvement Trust Fund may express state opinion as to title.
5. This permit does not relieve the permittee from liability for harm or injury to human health or welfare, animal, plant or aquatic life or property and penalties therefor caused by the construction or operation of this permitted source, nor does it allow the permittee to cause pollution in contravention of Florida Statutes and department rules, unless specifically authorized by an order from the department.
6. The permittee shall at all times properly operate and maintain the facility and systems of treatment and control (and related appurtenances) that are installed or used by the permittee to achieve compliance with the conditions of this permit, as required by department rules. This provision includes the operation of backup or auxiliary facilities or similar systems when necessary to achieve compliance with the conditions of the permit and when required by department rules.

PERMITTEE: I.D. Number: 10PCY03000921
Permit/Certification Number: A003-1341022
Stone Container Corporation Date of Issue: MAR 21 1988
Expiration Date: March 1, 1993

GENERAL CONDITIONS:

7. The permittee, by accepting this permit, specifically agrees to allow authorized department personnel, upon presentation of credentials or other documents as may be required by law, access to the premises, at reasonable times, where the permitted activity is located or conducted for the purpose of:

- a. Having access to and copying any records that must be kept under the conditions of this permit;
- b. Inspecting the facility, equipment, practices, or operations regulated or required under this permit; and,
- c. Sampling or monitoring any substances or parameters at any location reasonably necessary to assure compliance with this permit or department rules.

Reasonable time may depend on the nature of the concern being investigated.

8. If, for any reason, the permittee does not comply with or will be unable to comply with any condition or limitation specified in this permit, the permittee shall immediately notify and provide the department with the following information:

- a. A description of and cause of noncompliance; and
- b. The period of noncompliance, including exact dates and times; or, if not corrected, the anticipated time the noncompliance is expected to continue, and steps being taken to reduce, eliminate, and prevent recurrence of the noncompliance.

The permittee shall be responsible for any and all damages which may result and may be subject to enforcement action by the department for penalties or revocation of this permit.

9. In accepting this permit, the permittee understands and agrees that all records, notes, monitoring data and other information relating to the construction or operation of this permitted source, which are submitted to the department, may be used by the department as evidence in any enforcement case arising under the Florida Statutes or department rules, except where such use is prescribed by Sections 403.73 and 403.111, Florida Statutes.

PERMITTEE: I.D. Number: 10PCY03000921
Permit/Certification Number: A003-141022
Stone Container Corporation Date of Issue: MAR 21 1988
Expiration Date: March 1, 1993

GENERAL CONDITIONS:

10. The permittee agrees to comply with changes in department rules and Florida Statutes after a reasonable time for compliance, provided however, the permittee does not waive any other rights granted by Florida Statutes or department rules.

11. This permit is transferable only upon department approval in accordance with Florida Administrative Code Rules 17-4.12 and 17-30.30, as applicable. The permittee shall be liable for any noncompliance of the permitted activity until the transfer is approved by the department.

12. This permit is required to be kept at the work site of the permitted activity during the entire period of construction or operation.

13. The permittee shall comply with the following monitoring and record keeping requirements:

- a. Upon request, the permittee shall furnish all records and plans under department rules. The retention period for all records will be extended automatically, unless otherwise stipulated by the department, during the course of any unresolved enforcement action.
- b. The permittee shall retain at the facility or other location designated by this permit records of all monitoring information (including all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation), copies of all reports required by this permit, and records of all data used to complete the application for this permit. The time period of retention shall be at least three years from the date of the sample, measurement, report or application unless otherwise specified by department rule.
- c. Records of monitoring information shall include:
 - the date, exact place, and time of sampling or measurement;
 - the person responsible for performing the sampling or measurement;
 - the date(s) analyses were performed;
 - the person responsible for performing the analyses;
 - the analytical techniques or methods used; and
 - the results of such analyses.

PERMITTEE: I.D. Number: 10PCY03000921
Stone Container Corporation Permit/Certification Number: A003-141022
Date of Issue: MAR 21 1988
Expiration Date: March 1, 1993

GENERAL CONDITIONS:

14. When requested by the department, the permittee shall within a reasonable time furnish any information required by law which is needed to determine compliance with the permit. If the permittee becomes aware that relevant facts were not submitted or were incorrect in the permit application or in any report to the department, such facts or information shall be submitted or corrected promptly.

SPECIFIC CONDITIONS:

15. The maximum allowable operating rate is 123,700 pounds of black liquor solids fed to Recovery Boiler #1 per hour.

16. Particulate emissions shall not exceed 28.52 pounds per hour at operating rate of 112,500 pounds of black liquor solids or higher (equivalent to 56,600 pounds of smelt and weak wash solids per hour or higher). At lesser operating rates, the particulate emissions shall not exceed the amount shown in Process Weight Table 610-1 or that calculated from the appropriate equation of FAC Rule 17-2.610(1) (based on smelt and weak wash solids).

17. Visible emissions shall not exceed 20% opacity under normal operating conditions.

18. TRS emissions shall not exceed 0.0480 pounds of TRS per 3,000 pounds of black liquor solids fed to Recovery Boiler #1.

19. Particulate and visible emissions tests are required to show continuing compliance with the standards of the Department. The test results must provide reasonable assurance that the source is capable of compliance at the permitted maximum operating rate. Tests shall be conducted in accordance with EPA methods 1, 2, 3, 5 and 9. Such tests shall be conducted once per year before the end of October. Results shall be submitted to the Department within 45 days after testing. The Department shall be notified at least 15 days prior to testing to allow witnessing.

20. TRS tests are required to show continuing compliance with the standards of the Department. The test results must provide reasonable assurance that the source is capable of compliance at the permitted maximum operating rate. Tests shall be conducted in accordance with EPA method 16 or 16A. Such tests shall be conducted in 1992 before the end of October to be submitted with the application for renewal of this permit. More frequent tests may be required if Department inspections show a need for such tests.

PERMITTEE:
Stone Container Corporation

I.D. Number: 10PCY03000921
Permit/Certification Number: A003-141022
Date of Issue: MAR 21 1988
Expiration Date: March 1, 1993

SPECIFIC CONDITIONS:

21. Install system to control and monitor surrogate parameters used to assure compliance with the TRS emission standards prior to the end of July 1988. Conduct TRS emission tests in accordance with EPA method 16 or 16A while evaluating surrogate parameter control and monitoring prior to the end of October, 1988. Fulfill requirements of FAC Rule 17-2.710(3)(d) with report of surrogate parameter evaluation and recommendation concerning frequency and method of monitoring to assure continuing compliance with TRS emission standard.

22. An annual operation report (DER Form 17-1.202(6)) attached shall be submitted by March 1 each year. The attached form shall be reproduced by the permittee and used for future annual submittals.

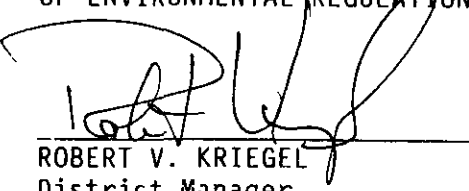
23. The permanent source identification number for this point source is 10PCY03000921. Please cite this number on all test reports and other correspondence specific to this permitted point source.

Expiration date:

Issued this 21st day of March,
1988.

March 1, 1993

STATE OF FLORIDA DEPARTMENT
OF ENVIRONMENTAL REGULATION



ROBERT V. KRIEDEL
District Manager

Expires January 15, 1978

STATE OF FLORIDA
DEPARTMENT OF AIR AND WATER
POLLUTION CONTROL

OPERATION PERMIT

FOR International Paper Company
U.S. Hwy: 98
Panama City, Florida 32401

PERMIT NO. AO-3-1103

DATE 1/8/73

PURSUANT TO THE PROVISIONS OF SECTION 403.061 (16) OF CHAPTER 403 FLORIDA STATUTES AND CHAPTER 17-4 FLORIDA ADMINISTRATIVE CODE, THIS PERMIT IS ISSUED TO:
Mr. Joel R. Baker, Mill Manager

FOR THE OPERATION OF THE FOLLOWING:

No. 1: recovery boiler with electrostatic precipitator and
2 stacks, also smelt dissolving tanks with demister

LOCATED AT: West of U.S. 98, Panama City, Bay County, Florida,
Lat. 30° 08' 30" Long. 85° 37' 25"

IN ACCORDANCE WITH THE APPLICATION DATED December 7, 1972

AND IN CONFORMITY WITH THE STATEMENTS AND SUPPORTING DATA ENTERED THEREIN, ALL OF WHICH ARE FILED WITH THE DEPARTMENT AND ARE CONSIDERED A PART OF THIS PERMIT.

THIS PERMIT SHALL BE EFFECTIVE FROM THE DATE OF ITS ISSUANCE UNTIL REVOKED OR SURRENDERED AND SHALL BE SUBJECT TO ALL LAWS OF THE STATE AND THE RULES AND REGULATIONS OF THE DEPARTMENT. * or 1/15/78, whichever comes first.

K. K. Huffstutler
K. K. Huffstutler, Chief
BUREAU OF PERMITTING

Vincent D. Patton
VINCENT D. PATTON
EXECUTIVE DIRECTOR

Please Reply to:

Department of Pollution Control
Northwest Regional Office

OPERATION PERMIT CONDITIONS
FOR AIR POLLUTION SOURCES

1384 Shoreline Drive
Gulf Breeze, Florida 32561
Phone: 904/932-5323

(Excluding Incinerators and Fossil Fuel Steam Generators)

Permit No. AO-3-1103 No. 1 Recovery Boiler

Date: 1/8/73

- [X] 1. Fugitive dusts and other pollutants from all sources shall be effectively controlled or eliminated by suitable means. [Chapter 17-2.04(3)]
- [X] 2. The pollution control equipment shall be maintained and operated in such a manner that all emissions will be in compliance with applicable rules and regulations of the DPC. [Chapter 17-2.03(7)]
- [X] 3. The density of visible emissions for existing sources, until July 1, 1975, shall not exceed a Ringelmann Number Two or an equivalent 40% opacity. The density of visible emissions for all sources after July 1, 1975, shall not exceed a Ringelmann Number One or an equivalent 20% opacity. If the presence of uncombined water is the only reason for failure to meet these visible emissions standards, such a failure shall not be in violation of this rule. [Chapter 17-2.04(1)(a)(b)(d)]
- [X] 4. Report any problems encountered in the operation of the source that may result in discharge of pollutants in amounts higher than permitted herein. Cease operation forthwith unless permission has been obtained from the regional office of the DPC to operate the source for an interim period. [Chapter 17-4.13]
- [X] 5. This permit is issued on the basis of the data submitted in the application and the existing requirements of this agency as set forth in Chapter 17-2 (revised January 18, 1972) Florida Administrative Code. The owner shall obtain written permission from the DPC before making changes in the operation of the source (i.e. higher production rate, different raw materials and fuels, etc.) that may increase the quantity of pollutants or change their composition. [Chapter 17-2.01]
- [X] 6. This permit is not transferable. Upon the sale or legal transfer of the source covered by this permit, the new owner must apply by letter for a transfer of this permit within thirty days. [Chapter 17-4.12]
- * [X] 7. Test the emissions for the following pollutant(s) at intervals of 1 year from the date of this permit and submit four copies of test results to the regional engineer of this agency within fifteen days of such testing. [Chapter 17-2.07(1)]
- | | |
|-------------------|---------------------|
| [x] Particulates | [x] Sulfur Oxides |
| [] Fluorides | [] Nitrogen Oxides |
| [] Plume Density | [] Hydrocarbons |
- [X] 8. Air pollutants which cause or contribute to an objectionable odor shall be effectively controlled or eliminated by suitable means. [Chapter 17-2.04(4)]
- [x] 9. Provide such sampling and testing facilities as may be necessary for the proper determination of the nature and quantity of air pollutants emitted from this source. [Chapter 17-2.07]
- [] 10. Identify the pollution source and/or control equipment by its manufacturer, model number, serial number, capacity, and any other pertinent information. Submit this information on or before