# Department of
# Environmental Protection
## Northeast District Office

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Michael W. Sole
Secretary

**NOTICE OF ADMINISTRATIVELY CORRECTED TITLE V AIR OPERATION PERMIT**

In the Matter of a Request for Administrative Correction:

| | |
|---|---|
| Mr. George Q. Langstaff | Project No.: 0890003-017-AV |
| V.P. Regional Mill Operations | Administrative Correction to Permit No.: 0890003-009-AV |
| Smurfit-Stone Container Enterprises, Inc.<br>North 8th Street<br>Fernandina Beach, FL 32034 | Fernandina Beach Mill<br>Nassau County |

Enclosed are Administratively Corrected pages to the Title V Air Operation Permit, No. 0890003-009-AV, for the operation of the Fernandina Beach Mill located at North 8th Street, Fernandina Beach, Nassau County. This correction is issued pursuant to Rule 62-210.360, Florida Administrative Code (F.A.C.), and Chapter 403, Florida Statutes (F.S.). These changes are made based on comments from the applicant received during the 30-day public comment period on October 30, 2006. The comments noted typographical errors in the permit, which are corrected herein. This corrective action does not alter the effective dates of the existing permit.

The Department of Environmental Protection (Department) will consider the above-noted action final unless a timely petition for an administrative hearing is filed pursuant to Sections 120.569 and 120.57, F.S. Mediation under Section 120.573, F.S., will not be available for this proposed action.

A person whose substantial interests are affected by the proposed permitting decision may petition for an administrative hearing in accordance with Sections 120.569 and 120.57, F.S. The petition must contain the information set forth below and must be filed (received) by the Agency Clerk in the Department's Office of General Counsel, MS #35, 3900 Commonwealth Boulevard, Tallahassee, Florida 32399-3000 (Telephone: 850/488-9314, Fax: 850/487-4938). Petitions filed by the permit applicant or any of the parties listed below must be filed within 14 (fourteen) days of receipt of this notice. Petitions filed by any other person must be filed within 14 (fourteen) days of receipt of this proposed action. A petitioner must mail a copy of the petition to the applicant at the address indicated above, at the time of filing. The failure of any person to file a petition within the appropriate time period shall constitute a waiver of that person's right to request an administrative determination (hearing) under Sections 120.569 and 120.57, F.S., or to intervene in this proceeding and participate as a party to it. Any subsequent intervention will be only at the approval of the presiding officer upon the filing of a motion in compliance with Rule 28-106.205, F.A.C.

A petition must contain the following information:

(a) The name and address of each agency affected and each agency's file or identification number, if known;

(b) The name, address, and telephone number of the petitioner; the name, address and telephone number of the petitioner's representative, if any, which shall be the address for service purposes during the course of the proceeding; and an explanation of how the petitioner's substantial interests will be affected by the agency determination;

(c) A statement of how and when each petitioner received notice of the agency action or proposed action;

(d) A statement of all disputed issues of material fact. If there are none, the petition must so indicate;

(e) A concise statement of the ultimate facts alleged, as well as the rules and statutes, which entitle the petitioner to relief;

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

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

A petition that does not dispute the material facts upon which the permitting authority's action is based shall state that no such facts are in dispute and otherwise shall contain the same information as set forth above, as required by Rule 28-106.301, F.A.C.

Because the administrative hearing process is designed to formulate final agency action, the filing of a petition means that the permitting authority's final action may be different from the position taken by it in this notice. Persons whose substantial interests will be affected by any such final decision of the permitting authority on the application have the right to petition to become a party to the proceeding, in accordance with the requirements set forth above.

Any party to this order (permit) has the right to seek judicial review of it under Section 120.68, F.S., by the filing of a Notice of Appeal, under Rule 9.110 of the Florida Rules of Appellate Procedure, with the Clerk of the Department in the Office of General Counsel, 3900 Commonwealth Boulevard, Mail Station #35, Tallahassee, Florida, 32399-3000; 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 thirty days from the date this notice is filed with the Clerk of the permitting authority.

Executed in Jacksonville, Florida.

Christopher L. Kirts, P.E.
District Air Program Administrator

copy furnished to:

David A. Buff., P.E.
Mr. Jac Capp, Program Manager, Stationary Source Permitting Program, State of Georgia
Barbara Friday, BAR [barbara.friday@dep.state.fl.us] (for posting with Region 4 , U.S. EPA)

FILING AND ACKNOWLEDGEMENT FILED, on this date, pursuant to Section 120.52(7), Florida statutes, with the designated agency Clerk, receipt of which is hereby acknowledged.

Monique Jordan

1/4/07

(Clerk) (Date)

**1. The Statement of Basis – No. 4 Smelt Dissolving Tank (Emissions Unit No. 013) is hereby changed:**

**FROM:**

This emissions unit receives molten smelt from the No. 4 Recovery Boiler. The smelt is dissolved in weak wash to yield green liquor for the slaking process. A Venturi scrubber manufactured by Air Pollution, Inc. controls particulate emissions. Scrubber liquid (weak wash- caustic) flow rate is the surrogate parameter to assure continuing compliance with the TRS emissions standard. The scrubber liquid recirculation rate and the pressure drop across the scrubber are surrogate parameters to assure continuing compliance with the Subpart MM particulate matter emissions standard. The maximum operating rate of this unit is 137,500 pounds per hour of black liquor solids being fired on the No. 4 Recovery Boiler. This emissions unit is regulated under Rule 62-296.404, F.A.C., Kraft Pulp Mills, CAM for particulate matter, and 40 CFR 63, Subpart MM.

**TO:**

This emissions unit receives molten smelt from the No. 4 Recovery Boiler. The smelt is dissolved in weak wash to yield green liquor for the slaking process. A Venturi scrubber manufactured by Air Pollution, Inc. controls particulate emissions. Scrubber liquid (weak wash- caustic) flow rate is monitored pursuant to Rule 62-296.404, F.A.C. The scrubber liquid recirculation rate and the pressure drop across the scrubber are required to be monitored pursuant to the requirements of 40 CFR 63 Subpart MM. The maximum operating rate of this unit is 137,500 pounds per hour of black liquor solids being fired on the No. 4 Recovery Boiler. This emissions unit is regulated under Rule 62-296.404, F.A.C., Kraft Pulp Mills, CAM for TRS, and 40 CFR 63, Subpart MM.

**2. The Statement of Basis – No. 5 Smelt Dissolving Tank (Emissions Unit No. 014) is hereby changed:**

**FROM:**

This emissions unit receives molten smelt from the No. 5 Recovery Boiler. The smelt is dissolved in weak wash to yield green liquor for the slaking process. A Venturi scrubber manufactured by Air Pollution, Inc., controls particulate emissions. The scrubber liquid (weak wash – caustic), recirculation rate and the pressure drop across the scrubber are surrogate parameters to assure continuing compliance with the Subpart MM particulate matter emissions standard. The maximum operating rate of this unit is 156,780 pounds per hour of black liquor solids being fired on the No. 5 Recovery Boiler. This emissions unit is regulated under Rule 62-296.404, F.A.C., Kraft Pulp Mills, 40 CFR 60, Subpart BB, 40 CFR 52.21(d)(2)(ii), CAM for particulate matter, and 40 CFR 63, Subpart MM.

**TO:**

This emissions unit receives molten smelt from the No. 5 Recovery Boiler. The smelt is dissolved in weak wash to yield green liquor for the slaking process. A Venturi scrubber manufactured by Air Pollution, Inc., controls particulate emissions. The scrubber liquid (weak wash – caustic) is monitored pursuant to Rule 62-296.404, F.A.C., while the recirculation rate and the pressure drop across the scrubber are monitored pursuant to the standards of 40 CFR 63 Subpart MM. The pressure drop across the scrubber is required to be monitored pursuant to the standards of 40 CFR 60 Subpart BB as well as the scrubbing liquid supply pressure. The maximum operating rate of this unit is 156,780 pounds per hour of black liquor solids being fired on the No. 5 Recovery Boiler. This emissions unit is regulated under Rule 62-296.404, F.A.C., Kraft Pulp Mills, 40 CFR 60, Subpart BB, 40 CFR 52.21(d)(2)(ii), CAM for TRS, and 40 CFR 63, Subpart MM.

**3. Subsection B (No. 4 Recovery Boiler) Condition B.24. is hereby changed:**

**FROM:**

**B.24.** Additional Records. In addition to the general records required by 40 CFR 63.10(b)(2), the owner or operator shall maintain records of the following information:

(1) Records of black liquor solids firing rates in units of Mg/d or ton/d

(2) N/A

(3) Records of parameter monitoring data required under 40 CFR 63.864, including any period when the operating parameter levels were inconsistent with the levels established during the initial performance test, with a brief explanation of the cause of the deviation, the time the deviation occurred, the time corrective action was initiated and completed, and the corrective action taken;

(4) Records and documentation of supporting calculations for compliance determinations made under Conditions B.7 through B.10.;

(5) Records of monitoring parameter ranges established for each affected source or process unit;

(6) N/A

(7) N/A

[40 CFR 63.866(c)]

**TO:**

**B.24.** Additional Records. In addition to the general records required by 40 CFR 63.10(b)(2), the owner or operator shall maintain records of the following information:

(1) Records of black liquor solids firing rates in units of Mg/d or ton/d

(2) N/A

(3) Records of parameter monitoring data required under 40 CFR 63.864, including any period when the operating parameter levels were inconsistent with the levels established during the initial performance test, with a brief explanation of the cause of the deviation, the time the deviation occurred, the time corrective action was initiated and completed, and the corrective action taken;

(4) Records and documentation of supporting calculations for compliance determinations made under Conditions B.7 through B.10.;

(5) N/A;

(6) N/A

(8) N/A

[40 CFR 63.866(c)]

**4. Subsection C (No. 5 Recovery Boiler) Condition C.25. is hereby changed:**

**FROM:**

**C.25.** Additional Records. In addition to the general records required by 40 CFR 63.10(b)(2), the owner or operator shall maintain records of the following information:

(1) Records of black liquor solids firing rates in units of Mg/d or ton/d

(2) N/A

(3) Records of parameter monitoring data required under Condition C.16., including any period when the operating parameter levels were inconsistent with the levels established during the initial performance test, with a brief explanation of the cause of the deviation, the time the deviation occurred, the time corrective action was initiated and completed, and the corrective action taken;

(4) Records and documentation of supporting calculations for compliance determinations made under Conditions C.8. through C.13.;

(5) Records of monitoring parameter ranges established for each affected source or process unit;

(6) N/A

(7) N/A

[40 CFR 63.866(c)]

**TO:**

**C.25.** Additional Records. In addition to the general records required by 40 CFR 63.10(b)(2), the owner or operator shall maintain records of the following information:

(1) Records of black liquor solids firing rates in units of Mg/d or ton/d

(2) N/A

(3) Records of parameter monitoring data required under Condition C.16., including any period when the operating parameter levels were inconsistent with the levels established during the initial performance test, with a brief explanation of the cause of the deviation, the time the deviation occurred, the time corrective action was initiated and completed, and the corrective action taken;

(4) Records and documentation of supporting calculations for compliance determinations made under Conditions C.8. through C.11.;

(5) N/A;

(6) N/A

(7) N/A

[40 CFR 63.866(c)]

**5. Subsection E (No. 5 Smelt Dissolving Tank) Condition E.13. is hereby changed:**

**FROM:**

**E.13**. PM Emissions – Corrective Action. The owner or operator shall implement corrective action, as specified in the startup, shutdown, and malfunction plan prepared under Condition E.21. if the following monitoring exceedance occurs:

- when any 3-hour average parameter value is outside the range of values established in Condition E.11. and E.12.

[40 CFR 63.864(k)(1)(ii)]

**TO:**

**E.13**. PM Emissions – Corrective Action. The owner or operator shall implement corrective action, as specified in the startup, shutdown, and malfunction plan prepared under Condition E.21. if the following monitoring exceedance occurs:

- when any 3-hour average parameter value is outside the range of values established in Condition E.11.a. and E.12.

[40 CFR 63.864(k)(1)(ii)]

**6. Subsection E (No. 5 Smelt Dissolving Tank) Condition E.14. is hereby changed:**

**FROM:**

**E.14.** PM Emissions – Violations**.** It shall be considered a violation of the standards of Condition E.3. if the following monitoring exceedance occurs:

- when six or more 3-hour average parameter values within any 6-month reporting period are outside the range of values established in Condition E.11. and E.12.

For purposes of determining the number of nonopacity monitoring exceedances, no more than one exceedance will be attributed in any given 24-hour period.
[63.864(k)(2)(iii) and (k)(3)]

**TO:**

**E.14.** PM Emissions – Violations**.** It shall be considered a violation of the standards of Condition E.3. if the following monitoring exceedance occurs:

- when six or more 3-hour average parameter values within any 6-month reporting period are outside the range of values established in Condition E.11.a. and E.12.

For purposes of determining the number of nonopacity monitoring exceedances, no more than one exceedance will be attributed in any given 24-hour period.
[63.864(k)(2)(iii) and (k)(3)]

**7. Subsection E. (No. 5 Smelt Dissolving Tank) Condition E.21. is hereby changed:**

**FROM:**

**E.21.** Startup Shutdown Malfunction Plan. The owner or operator must develop and implement a written plan as described in 40 CFR 63.6(e)(3) that contains specific procedures to be followed for operating the source and maintaining the source during periods of startup, shutdown, and malfunction, and a program of corrective action for malfunctioning process and control systems used to comply with the standards. In addition to the information required in 40 CFR 63.6(e), the plan must include the requirements in paragraphs (1) and (2) of this Condition.

(1) Procedures for responding to any process parameter level that is inconsistent with the level(s) established under Condition E.11 and E.12. including the procedures in paragraphs (1)(i) and (ii) of this Condition:

(i) Procedures to determine and record the cause of an operating parameter exceedance and the time the exceedance began and ended; and

(ii) Corrective actions to be taken in the event of an operating parameter exceedance, including procedures for recording the actions taken to correct the exceedance.

(2) The startup, shutdown, and malfunction plan also must include the schedules listed in paragraphs (2)(i) and (ii) of this Condition:

(i) A maintenance schedule for each control technique that is consistent with, but not limited to, the manufacturer's instructions and recommendations for routine and long-term maintenance; and

(ii) An inspection schedule for the continuous monitoring system required under Condition E.14. to ensure, at least once in each 24-hour period, that the continuous monitoring system is properly functioning.

[40 CFR 63.866(a)]

**TO:**

**E.21.** Startup Shutdown Malfunction Plan. The owner or operator must develop and implement a written plan as described in 40 CFR 63.6(e)(3) that contains specific procedures to be followed for operating the source and maintaining the source during periods of startup, shutdown, and malfunction, and a program of corrective action for malfunctioning process and control systems used to comply with the standards. In addition to the information required in 40 CFR 63.6(e), the plan must include the requirements in paragraphs (1) and (2) of this Condition.

(1) Procedures for responding to any process parameter level that is inconsistent with the level(s) established under Condition E.11.a. and E.12. including the procedures in paragraphs (1)(i) and (ii) of this Condition:

(i) Procedures to determine and record the cause of an operating parameter exceedance and the time the exceedance began and ended; and

(ii) Corrective actions to be taken in the event of an operating parameter exceedance, including procedures for recording the actions taken to correct the exceedance.

(2) The startup, shutdown, and malfunction plan also must include the schedules listed in paragraphs (2)(i) and (ii) of this Condition:

(i) A maintenance schedule for each control technique that is consistent with, but not limited to, the manufacturer's instructions and recommendations for routine and long-term maintenance; and

(ii) An inspection schedule for the continuous monitoring system required under Condition E.11.a. to ensure, at least once in each 24-hour period, that the continuous monitoring system is properly functioning.

[40 CFR 63.866(a)]

**8. Subsection H. (No. 5 Smelt Dissolving Tank) Condition H.37. is hereby changed:**

**FROM:**

**H.37.** Additional Records. In addition to the general records required by 40 CFR 63.10(b)(2), the owner or operator shall maintain records of the following information:

(1) N/A

(2) Records of CaO production rates in units of Mg/d or ton/d

(3) Records of parameter monitoring data required under Condition H.23., including any period when the operating parameter levels were inconsistent with the levels established during the initial performance test, with a brief explanation of the cause of the deviation, the time the deviation occurred, the time corrective action was initiated and completed, and the corrective action taken;

(4) Records and documentation of supporting calculations for compliance determinations made under Conditions H.12. through H.15;

(5) Records of monitoring parameter ranges established for each affected source or process unit;

(6) N/A

(7) N/A

[40 CFR 63.866(c)]

**TO:**

**H.37.** Additional Records. In addition to the general records required by 40 CFR 63.10(b)(2), the owner or operator shall maintain records of the following information:

(1) N/A

(2) Records of CaO production rates in units of Mg/d or ton/d

(3) Records of parameter monitoring data required under § 63.864., including any period when the operating parameter levels were inconsistent with the levels established during the initial performance test, with a brief explanation of the cause of the deviation, the time the deviation occurred, the time corrective action was initiated and completed, and the corrective action taken;

(4) Records and documentation of supporting calculations for compliance determinations made under Conditions H.12. through H.15;

(5) N/A;

(6) N/A

(7) N/A

[40 CFR 63.866(c)]

**9. Subsection I. (C-Line Brownstock Washer System) Condition I.7. is hereby changed:**

**FROM:**

**I.7.** Periods of excess emissions reported under Condition No. I.9. shall not be considered to be indicative of a violation of 40 CFR 60.11(d) provided that the Administrator determines that the affected facility, including air pollution control equipment, is maintained and operated in a manner, which is consistent with good air pollution control practice for minimizing emissions during periods of excess emissions.
[40 CFR 60.284(e)(2)]

**TO:**

**I.7.** Periods of excess emissions reported under Condition No. I.6. shall not be considered to be indicative of a violation of 40 CFR 60.11(d) provided that the Administrator determines that the affected facility, including air pollution control equipment, is maintained and operated in a manner, which is consistent with good air pollution control practice for minimizing emissions during periods of excess emissions.
[40 CFR 60.284(e)(2)]

**10. Subsection M. (Pulping System MACT I) Condition M.17. is hereby changed:**

**FROM:**

**M.17.** UNOX Operating Parameters – Excursions. A UNOX Operating Parameter Excursion occurs whenever either of the operating parameters specified in Condition M.14. are either below the established minimum or above the established maximum operating parameter values for 3 consecutive 1-hour averages, and the mill and/or waste water treatment process is not in a Startup, Shutdown, Malfunction mode or the SSM Plan is not followed.

(1) As soon as practical after the beginning of the UNOX Operating parameter excursion, the following requirements shall be met:

(i) Before the steps in paragraph (1)(ii) or (iii) of this Condition are performed, all sampling and measurements necessary to meet the requirements in paragraph (2) of this Condition shall be conducted.

(ii) Steps shall be taken to repair or adjust the operation of the process to end the parameter excursion period.

(iii) Steps shall be taken to minimize total HAP emissions to the atmosphere during the parameter excursion period.

(2) Composited samples of the UNOX influent from the primary clarifier, the collected condensate (UNOX Feed Tank) and the UNOX effluent will be collected daily in accordance with Condition M.32, and retained for 24 hours.

(3) A UNOX Operating parameter excursion shall not be considered a violation of the treatment limit established in Condition M.9., if the results of the direct measurement performance test conducted, using the procedures as described below, demonstrate that at least 92% or more by weight of total HAPs has been removed.

(i) Conduct a direct measurement performance test using the samples collected per paragraph (2) of this Condition for the day of, the day before, and the day after the excursion. The HAP fraction removed shall be calculated using the equation specified in Condition M.37(2):

(ii) The results of the direct measurement performance test specified in paragraph (2)(i) of this Condition shall be recorded as specified in Condition M.24.

(iii) The owner or operator may apply to the Department pursuant to Condition M 30., for an expansion of the compliance operating parameter range. Reestablishment of the operating parameter range shall be in accordance with the following:

a. During subsequent performance tests, continuously record the operating parameter;

b. Determinations shall be based on the control performance and parameter data monitored during the performance test, supplemented if necessary by engineering assessments and the manufacturer's recommendations;

c. The owner or operator shall provide for the Department's approval the rationale for the selected operating parameter value, and monitoring frequency, and averaging time. Include all data and calculations used to develop the value and a description of why the value, monitoring frequency, and averaging time demonstrate continuous compliance with the applicable emission standard.

(3) A UNOX Operating parameter excursion shall be considered a violation of removal limit established in Condition M.9., if the results of the hardpipe treatment efficiency test conducted, using the procedures specified in paragraph (2)(i) of this Condition, do not demonstrate that at least 92% or more by weight of total HAPs has been removed.

[Condensate Compliance Plan as amended 3/5/01, 40 CFR 63.453(n)]

**TO:**

**M.17.** UNOX Operating Parameters – Excursions. A UNOX Operating Parameter Excursion occurs whenever either of the operating parameters specified in Condition M.14. are either below the established minimum or above the established maximum operating parameter values for 3 consecutive 1-hour averages, and the mill and/or waste water treatment process is not in a Startup, Shutdown, Malfunction mode or the SSM Plan is not followed.

(4) As soon as practical after the beginning of the UNOX Operating parameter excursion, the following requirements shall be met:

(i) Before the steps in paragraph (1)(ii) or (iii) of this Condition are performed, all sampling and measurements necessary to meet the requirements in paragraph (2) of this Condition shall be conducted.

(ii) Steps shall be taken to repair or adjust the operation of the process to end the parameter excursion period.

(iii) Steps shall be taken to minimize total HAP emissions to the atmosphere during the parameter excursion period.

(5) Composited samples of the UNOX influent from the primary clarifier, the collected condensate (UNOX Feed Tank) and the UNOX effluent will be collected daily in accordance with Condition M.30, and retained for 24 hours.

(6) A UNOX Operating parameter excursion shall not be considered a violation of the treatment limit established in Condition M.9., if the results of the direct measurement performance test conducted, using the procedures as described below, demonstrate that at least 92% or more by weight of total HAPs has been removed.

(i) Conduct a direct measurement performance test using the samples collected per paragraph (2) of this Condition for the day of, the day before, and the day after the excursion. The HAP fraction removed shall be calculated using the equation specified in Condition M.35(2):

(ii) The results of the direct measurement performance test specified in paragraph (3)(i) of this Condition shall be recorded as specified in Condition M.24.

(iii) The owner or operator may apply to the Department pursuant to Condition M 30., for an expansion of the compliance operating parameter range. Reestablishment of the operating parameter range shall be in accordance with the following:

a. During subsequent performance tests, continuously record the operating parameter;

b. Determinations shall be based on the control performance and parameter data monitored during the performance test, supplemented if necessary by engineering assessments and the manufacturer's recommendations;

c. The owner or operator shall provide for the Department's approval the rationale for the selected operating parameter value, and monitoring frequency, and averaging time. Include all data and calculations used to develop the value and a description of why the value, monitoring frequency, and averaging time demonstrate continuous compliance with the applicable emission standard.

(4) A UNOX Operating parameter excursion shall be considered a violation of removal limit established in Condition M.9., if the results of the hardpipe treatment efficiency test conducted, using the procedures specified in paragraph (3)(i) of this Condition, do not demonstrate that at least 92% or more by weight of total HAPs has been removed.

[Condensate Compliance Plan as amended 3/5/01, 40 CFR 63.453(n)]

**11. Subsection M. (Pulping System MACT I) Condition M.24. is hereby changed:**

**FROM:**

**M.24.** UNOX Operating Parameter Excursions – Records. The owner or operator shall prepare a written record specifying the results of the performance test specified in Condition M.17.(2)(ii).

**TO:**

**M.24.** UNOX Operating Parameter Excursions – Records. The owner or operator shall prepare a written record specifying the results of the performance test specified in Condition M.17.(3)(ii).