ADEQ Arizona Department of Environmental Quality
Janice K. Brewer, Governor
Henry R. Darwin, Director

PERMIT

AIR QUALITY CLASS I PERMIT

COMPANY: SCA Tissue North America LLC
FACILITY: SCA Tissue-Flagstaff
PERMIT #: 55089
DATE ISSUED: **July 24, 2012**
EXPIRY DATE: **July 24, 2017**

SUMMARY

This Class I Title V permit is issued to SCA Tissue North America LLC, the Permittee for the continued operation of the recycle paper mill located at 1600 East Butler Avenue, Flagstaff, AZ 86001. This is a renewal of Operating Permit #38447.

The SCA Tissue Mill produces bulk paper rolls which are converted at other facilities into finished consumer products such as napkins and restroom tissue. The facility uses recycled office waste paper, food cartons box trimmings, food carton box stock, and other grades of waste paper, which would have gone to land fill areas otherwise, as the feedstock.

The facility has potential volatile organic compounds (VOC) emissions of more than 100 tons per year and is therefore classified as a "major source" for VOC. The facility is accepting voluntarily limitations on sodium hypochlorite usage to limit chloroform emissions below the major source threshold of 10 tons per year. Further, the facility is accepting a voluntary limitation on the quantity of solvent spray used for paper machine maintenance. This permit is issued in accordance with Title 49, Chapter 3 of the Arizona Revised Statutes. All definitions, terms, and conditions used in this permit conform to those in Arizona Administrative Code R 18-2-101 et. Seq. (A.A.C.) except as otherwise defined in this permit. Unless noted otherwise, references cited in the permit conditions refer to A. A. C. All terms and conditions in this permit are enforceable by the Administrator of the U.S. Environmental Protection Agency.

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Air Quality Control Permit No. 55089
for
SCA Tissue North America LLC

I. PERMIT EXPIRATION AND RENEWAL [ARS § 49-426.F, A.A.C. R18-2-304.C.2, and -306.A.1]

A. This permit is valid for a period of five years from the date of issuance.

B. The Permittee shall submit an application for renewal of this permit at least 6 months, but not more than 18 months, prior to the date of permit expiration.

II. COMPLIANCE WITH PERMIT CONDITIONS [A.A.C. R18-2-306.A.8.a and b]

A. The Permittee shall comply with all conditions of this permit including all applicable requirements of the Arizona air quality statutes and air quality rules. Any permit noncompliance constitutes a violation of the Arizona Revised Statutes and is grounds for enforcement action; for permit termination, revocation and reissuance, or revision; or for denial of a permit renewal application. In addition, noncompliance with any federally enforceable requirement constitutes a violation of the Clean Air Act.

B. It shall not be a defense for a Permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit.

III. PERMIT REVISION, REOPENING, REVOCATION AND REISSUANCE, OR TERMINATION FOR CAUSE [A.A.C. R18-2-306.A.8.c, -321.A.1, and -321.A.2]

A. The permit may be revised, reopened, revoked and reissued, or terminated for cause. The filing of a request by the Permittee for a permit revision, revocation and reissuance, termination, or of a notification of planned changes or anticipated noncompliance does not stay any permit condition.

B. The permit shall be reopened and revised under any of the following circumstances

1. Additional applicable requirements under the Clean Air Act become applicable to the Class I source. Such a reopening shall only occur if there are three or more years remaining in the permit term. The reopening shall be completed no later than 18 months after promulgation of the applicable requirement. No such reopening is required if the effective date of the requirement is later than the date on which the permit is due to expire, unless an application for renewal has been submitted pursuant to A.A.C. R18-2-322.B. Any permit revision required pursuant to this subparagraph shall comply with the provisions in A.A.C. R18-2-322 for permit renewal and shall reset the five-year permit term.

2. Additional requirements, including excess emissions requirements, become applicable to an affected source under the acid rain program. Upon approval by the Administrator, excess emissions offset plans shall be deemed to be incorporated into the Class I permit.

3. The Director or the Administrator determines that the permit contains a material mistake or that inaccurate statements were made in establishing the emissions standards or other terms or conditions of the permit.

4. The Director or the Administrator determines that the permit needs to be revised or revoked to assure compliance with the applicable requirements.

C. Proceedings to reopen and reissue a permit, including appeal of any final action relating to a permit reopening, shall follow the same procedures as apply to initial permit issuance and shall, except for reopenings under Condition III.B.1 above, affect only those parts of the permit for which cause to reopen exists. Such reopenings shall be made as expeditiously as practicable. Permit reopenings for reasons other than those stated in Condition III.B.1 above shall not result in a resetting of the five-year permit term.

IV. POSTING OF PERMIT [A.A.C. R18-2-315]

A. The Permittee shall post this permit or a certificate of permit issuance where the facility is located in such a manner as to be clearly visible and accessible. All equipment covered by this permit shall be clearly marked with one of the following:

1. Current permit number; or

2. Serial number or other equipment ID number that is also listed in the permit to identify that piece of equipment.

B. A copy of the complete permit shall be kept on site.

V. FEE PAYMENT [A.A.C. R18-2-306.A.9 and -326]

The Permittee shall pay fees to the Director pursuant to ARS § 49-426(E) and A.A.C. R18-2-326.

VI. ANNUAL EMISSION INVENTORY QUESTIONNAIRE [A.A.C. R18-2-327.A and B]

A. The Permittee shall complete and submit to the Director an annual emissions inventory questionnaire. The questionnaire is due by March 31st or ninety days after the Director makes the inventory form available each year, whichever occurs later, and shall include emission information for the previous calendar year.

B. The questionnaire shall be on a form provided by the Director and shall include the information required by A.A.C. R18-2-327.

VII. COMPLIANCE CERTIFICATION [A.A.C. R18-2-309.2.a, -2.c, -2.d, and -5.d]

A. The Permittee shall submit a compliance certification to the Director semiannually, which describes the compliance status of the source with respect to each permit condition. The first certification shall be submitted no later than May 15th, and shall report the compliance status of the source during the period between October 1st of the previous year and March 31st of the current year. The second certification shall be submitted no later than November 15th, and shall report the compliance status of the source during the period between April 1st and September 30th of the current year. The compliance certifications shall include the following:

1. Identification of each term or condition of the permit that is the basis of the certification;

2. Identification of the methods or other means used by the Permittee for determining the compliance status with each term and condition during the certification period,

3. The status of compliance with the terms and conditions of the permit for the period covered by the certification, including whether compliance during the period was continuous or intermittent. The certification shall be based on the methods or means designated in Condition VII.A.2 above. The certifications shall identify each deviation and take it into account for consideration in the compliance certification;

4. For emission units subject to 40 CFR Part 64, the certification shall also identify as possible exceptions to compliance any period during which compliance is required and in which an excursion or exceedance defined under 40 CFR Part 64 occurred;

5. All instances of deviations from permit requirements reported pursuant to Condition XII.B of this Attachment; and

6. Other facts the Director may require to determine the compliance status of the source.

B. A copy of all compliance certifications shall also be submitted to the EPA Administrator.

C. If any outstanding compliance schedule exists, a progress report shall be submitted with the semi-annual compliance certifications required in Condition VII.A above.

VIII. CERTIFICATION OF TRUTH, ACCURACY AND COMPLETENESS [A.A.C. R18-2-304.H]

Any document required to be submitted by this permit, including reports, shall contain a certification by a responsible official of truth, accuracy, and completeness. This certification shall state that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete.

IX. INSPECTION AND ENTRY [A.A.C. R18-2-309.4]

Upon presentation of proper credentials, the Permittee shall allow the Director or the authorized representative of the Director to:

A. Enter upon the Permittee's premises where a source is located, emissions-related activity is conducted, or where records are required to be kept under the conditions of the permit;

B. Have access to and copy, at reasonable times, any records that are required to be kept under the conditions of the permit;

C. Inspect, at reasonable times, any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under the permit;

D. Sample or monitor, at reasonable times, substances or parameters for the purpose of assuring compliance with the permit or other applicable requirements; and

E. Record any inspection by use of written, electronic, magnetic and photographic media.

X. PERMIT REVISION PURSUANT TO FEDERAL HAZARDOUS AIR POLLUTANT STANDARD [A.A.C. R18-2-304.C]

If this source becomes subject to a standard promulgated by the Administrator pursuant to Section 112(d) of the Act, then the Permittee shall, within twelve months of the date on which the standard is promulgated, submit an application for a permit revision demonstrating how the source will comply with the standard.

XI. ACCIDENTAL RELEASE PROGRAM [40 CFR Part 68]

If this source becomes subject to the provisions of 40 CFR Part 68, then the Permittee shall comply with these provisions according to the time line specified in 40 CFR Part 68.

XII. EXCESS EMISSIONS, PERMIT DEVIATIONS, AND EMERGENCY REPORTING

A. Excess Emissions Reporting [A.A.C. R18-2-310.01.A and -310.01.B]

1. Excess emissions shall be reported as follows:

    a. The Permittee shall report to the Director any emissions in excess of the limits established by this permit. Such report shall be in two parts as specified below:

        i. Notification by telephone or facsimile within 24 hours of the time when the Permittee first learned of the occurrence of excess emissions including all available information from Condition XII.A.1.b below.

        ii. Detailed written notification by submission of an excess emissions report within 72 hours of the notification pursuant to Condition XII.A.1.a.(1) above.

    b. The report shall contain the following information:

        i. Identity of each stack or other emission point where the excess emissions occurred;

        ii. Magnitude of the excess emissions expressed in the units of the applicable emission limitation and the operating data and calculations used in determining the magnitude of the excess emissions;

        iii. Date, time and duration, or expected duration, of the excess emissions;

        iv. Identity of the equipment from which the excess emissions emanated;

        v. Nature and cause of such emissions;

        vi. If the excess emissions were the result of a malfunction, steps taken to remedy the malfunction and the steps taken or planned to prevent the recurrence of such malfunctions; and

vii. Steps taken to limit the excess emissions. If the excess emissions resulted from start-up or malfunction, the report shall contain a list of the steps taken to comply with the permit procedures.

2. In the case of continuous or recurring excess emissions, the notification requirements of this section shall be satisfied if the source provides the required notification after excess emissions are first detected and includes in such notification an estimate of the time the excess emissions will continue. Excess emissions occurring after the estimated time period, or changes in the nature of the emissions as originally reported, shall require additional notification pursuant to Condition XII.A.1 above. [A.A.C. R18-2-310.01.C]

B. Permit Deviations Reporting [A.A.C. R18-2-306.A.5.b]

The Permittee shall promptly report deviations from permit requirements, including those attributable to upset conditions as defined in the permit, the probable cause of such deviations, and any corrective actions or preventive measures taken. Prompt reporting shall mean that the report was submitted to the Director by certified mail, facsimile, or hand delivery within two working days of the time when emission limitations were exceeded due to an emergency or within two working days of the time when the owner or operator first learned of the occurrence of a deviation from a permit requirement.

C. Emergency Provision [A.A.C. R18-2-306.E]

1. An "emergency" means any situation arising from sudden and reasonable unforeseeable events beyond the control of the source, including acts of God, that require immediate corrective action to restore normal operation, and that causes the source to exceed a technology-based emission limitation under the permit, due to unavoidable increases in emissions attributable to the emergency. An emergency shall not include noncompliance to the extent caused by improperly designed equipment, lack of preventative maintenance, careless or improper operation, or operator error.

2. An emergency constitutes an affirmative defense to an action brought for noncompliance with such technology-based emission limitations if Condition XII.C.3 is met.

3. The affirmative defense of emergency shall be demonstrated through properly signed, contemporaneous operating logs, or other relevant evidence that:

   a. An emergency occurred and that the Permittee can identify the cause(s) of the emergency;

   b. The permitted facility was being properly operated at the time;

   c. During the period of the emergency, the Permittee took all reasonable steps to minimize levels of emissions that exceeded the emissions standards or other requirements in the permit; and

   d. The Permittee submitted notice of the emergency to the Director by certified mail, facsimile, or hand delivery within two working days of the time when emission limitations were exceeded due to the emergency.

This notice shall contain a description of the emergency, any steps taken to mitigate emissions, and corrective action taken.

4. In any enforcement proceeding, the Permittee seeking to establish the occurrence of an emergency has the burden of proof.

5. This provision is in addition to any emergency or upset provision contained in any applicable requirement.

D. Compliance Schedule [ARS § 49-426.I.5]

For any excess emission or permit deviation that cannot be corrected with 72 hours, the Permittee is required to submit a compliance schedule to the Director within 21 days of such occurrence. The compliance schedule shall include a schedule of remedial measures, including an enforceable sequence of actions with milestones, leading to compliance with the permit terms or conditions that have been violated.

E. Affirmative Defenses for Excess Emissions Due to Malfunctions, Startup, and Shutdown [A.A.C. R18-2-310]

1. Applicability

This rule establishes affirmative defenses for certain emissions in excess of an emission standard or limitation and applies to all emission standards or limitations except for standards or limitations:

a. Promulgated pursuant to Sections 111 or 112 of the Act;

b. Promulgated pursuant to Titles IV or VI of the Clean Air Act;

c. Contained in any Prevention of Significant Deterioration (PSD) or New Source Review (NSR) permit issued by the U.S. EPA;

d. Contained in A.A.C. R18-2-715.F; or

e. Included in a permit to meet the requirements of A.A.C. R18-2-406.A.5.

2. Affirmative Defense for Malfunctions

Emissions in excess of an applicable emission limitation due to malfunction shall constitute a violation. When emissions in excess of an applicable emission limitation are due to a malfunction, the Permittee has an affirmative defense to a civil or administrative enforcement proceeding based on that violation, other than a judicial action seeking injunctive relief, if the Permittee has complied with the reporting requirements of A.A.C. R18-2-310.01 and has demonstrated all of the following:

a. The excess emissions resulted from a sudden and unavoidable breakdown of process equipment or air pollution control equipment beyond the reasonable control of the Permittee;

b. The air pollution control equipment, process equipment, or processes were at all times maintained and operated in a manner consistent with good practice for minimizing emissions;

c. If repairs were required, the repairs were made in an expeditious fashion when the applicable emission limitations were being exceeded. Off-shift labor and overtime were utilized where practicable to ensure that the repairs were made as expeditiously as possible. If off-shift labor and overtime were not utilized, the Permittee satisfactorily demonstrated that the measures were impracticable;

d. The amount and duration of the excess emissions (including any bypass operation) were minimized to the maximum extent practicable during periods of such emissions;

e. All reasonable steps were taken to minimize the impact of the excess emissions on ambient air quality;

f. The excess emissions were not part of a recurring pattern indicative of inadequate design, operation, or maintenance;

g. During the period of excess emissions there were no exceedances of the relevant ambient air quality standards established in Title 18, Chapter 2, Article 2 of the Arizona Administrative Code that could be attributed to the emitting source;

h. The excess emissions did not stem from any activity or event that could have been foreseen and avoided, or planned, and could not have been avoided by better operations and maintenance practices;

i. All emissions monitoring systems were kept in operation if at all practicable; and

j. The Permittee's actions in response to the excess emissions were documented by contemporaneous records.

3. Affirmative Defense for Startup and Shutdown

a. Except as provided in Condition XII.E.3.b below, and unless otherwise provided for in the applicable requirement, emissions in excess of an applicable emission limitation due to startup and shutdown shall constitute a violation. When emissions in excess of an applicable emission limitation are due to startup and shutdown, the Permittee has an affirmative defense to a civil or administrative enforcement proceeding based on that violation, other than a judicial action seeking injunctive relief, if the Permittee has complied with the reporting requirements of A.A.C. R18-2-310.01 and has demonstrated all of the following:

i. The excess emissions could not have been prevented through careful and prudent planning and design;

ii. If the excess emissions were the result of a bypass of control equipment, the bypass was unavoidable to prevent loss of life, personal injury, or severe damage to air pollution control equipment, production equipment, or other property;

iii. The air pollution control equipment, process equipment, or processes were at all times maintained and operated in a manner consistent with good practice for minimizing emissions;

iv. The amount and duration of the excess emissions (including any bypass operation) were minimized to the maximum extent practicable during periods of such emissions;

v. All reasonable steps were taken to minimize the impact of the excess emissions on ambient air quality;

vi. During the period of excess emissions there were no exceedances of the relevant ambient air quality standards established in Title 18, Chapter 2, Article 2 of the Arizona Administrative Code that could be attributed to the emitting source;

vii. All emissions monitoring systems were kept in operation if at all practicable; and

viii. Contemporaneous records documented the Permittee's actions in response to the excess emissions.

b. If excess emissions occur due to a malfunction during routine startup and shutdown, then those instances shall be treated as other malfunctions subject to Condition XII.E.2 above.

4. Affirmative Defense for Malfunctions during Scheduled Maintenance

If excess emissions occur due to a malfunction during scheduled maintenance, then those instances will be treated as other malfunctions subject to Condition XII.E.2 above.

5. Demonstration of Reasonable and Practicable Measures

For an affirmative defense under Condition XII.E.2 or XII.E.3 above, the Permittee shall demonstrate, through submission of the data and information required by Condition XII.E and A.A.C. R18-2-310.01, that all reasonable and practicable measures within the Permittee's control were implemented to prevent the occurrence of the excess emissions.

XIII. RECORD KEEPING REQUIREMENTS [A.A.C. R18-2-306.A.4]

A. The Permittee shall keep records of all required monitoring information including, but not limited to, the following:

1. The date, place as defined in the permit, and time of sampling or measurements;

2. The date(s) analyses were performed;

3. The name of the company or entity that performed the analyses;

4. A description of the analytical techniques or methods used;

5. The results of such analyses; and

6. The operating conditions as existing at the time of sampling or measurement.

B. The Permittee shall retain records of all required monitoring data and support information for a period of at least 5 years from the date of the monitoring sample, measurement, report, or application. Support information includes all calibration and maintenance records and all original strip-chart recordings or other data recordings for continuous monitoring instrumentation, and copies of all reports required by the permit.

C. All required records shall be maintained either in an unchangeable electronic format or in a handwritten logbook utilizing indelible ink.

XIV. REPORTING REQUIREMENTS [A.A.C. R18-2-306.A.5.a]

The Permittee shall submit the following reports:

A. Compliance certifications in accordance with Section VII of Attachment "A".

B. Excess emission; permit deviation, and emergency reports in accordance with Section XII of Attachment "A".

C. Other reports required by any condition of Attachment "B".

XV. DUTY TO PROVIDE INFORMATION [A.A.C. R18-2-304.G and -306.A.8.e]

A. The Permittee shall furnish to the Director, within a reasonable time, any information that the Director may request in writing to determine whether cause exists for revising, revoking and reissuing, or terminating the permit, or to determine compliance with the permit. Upon request, the Permittee shall also furnish to the Director copies of records required to be kept by the permit. For information claimed to be confidential, the Permittee shall furnish an additional copy of such records directly to the Administrator along with a claim of confidentiality.

B. If the Permittee has failed to submit any relevant facts or has submitted incorrect information in the permit application, the Permittee shall, upon becoming aware of such failure or incorrect submittal, promptly submit such supplementary facts or corrected information.

XVI. PERMIT AMENDMENT OR REVISION [A.A.C. R18-2-318, -319, and -320]

The Permittee shall apply for a permit amendment or revision for changes to the facility which do not qualify for a facility change without revision under Section XVII, as follows:

A. Administrative Permit Amendment (A.A.C. R18-2-318);

B. Minor Permit Revision (A.A.C. R18-2-319); and

C. Significant Permit Revision (A.A.C. R18-2-320)

The applicability and requirements for such action are defined in the above referenced regulations.

XVII. FACILITY CHANGE WITHOUT A PERMIT REVISION [A.A.C. R18-2-306.A.4 and -317]

A. The Permittee may make changes at the permitted source without a permit revision if all of the following apply:

1. The changes are not modifications under any provision of Title I of the Act or under ARS § 49-401.01(19);

2. The changes do not exceed the emissions allowable under the permit whether expressed therein as a rate of emissions or in terms of total emissions;

3. The changes do not violate any applicable requirements or trigger any additional applicable requirements;

4. The changes satisfy all requirements for a minor permit revision under A.A.C. R18-2-319.A; and

5. The changes do not contravene federally enforceable permit terms and conditions that are monitoring (including test methods), record keeping, reporting, or compliance certification requirements.

B. The substitution of an item of process or pollution control equipment for an identical or substantially similar item of process or pollution control equipment shall qualify as a change that does not require a permit revision, if it meets all of the requirements of Conditions XVII.A and XVII.C of this Attachment.

C. For each change under Conditions XVII.A and XVII.B above, a written notice by certified mail or hand delivery shall be received by the Director and the Administrator a minimum of 7 working days in advance of the change. Notifications of changes associated with emergency conditions, such as malfunctions necessitating the replacement of equipment, may be provided less than 7 working days in advance of the change, but must be provided as far in advance of the change, as possible or, if advance notification is not practicable, as soon after the change as possible.

D. Each notification shall include:

1. When the proposed change will occur;

2. A description of the change;

3. Any change in emissions of regulated air pollutants; and

4. Any permit term or condition that is no longer applicable as a result of the change.

E. The permit shield described in A.A.C. R18-2-325 shall not apply to any change made under this Section, other than implementation of an alternate to Conditions XVII.A and XVII.B above.

F. Except as otherwise provided for in the permit, making a change from one alternative operating scenario to another as provided under A.A.C. R18-2-306.A.11 shall not require any prior notice under this Section.

G. Notwithstanding any other part of this Section, the Director may require a permit to be revised for any change that, when considered together with any other changes submitted by the same source under this Section over the term of the permit, do not satisfy Condition XVII.A above.

XVIII. TESTING REQUIREMENTS [A.A.C. R18-2-312]

A. The Permittee shall conduct performance tests as specified in the permit and at such other times as may be required by the Director.

B. Operational Conditions during Testing

Tests shall be conducted during operation at the maximum possible capacity of each unit under representative operational conditions unless other conditions are required by the applicable test method or in this permit. With prior written approval from the Director, testing may be performed at a lower rate. Operations during periods of start-up, shutdown, and malfunction (as defined in A.A.C. R18-2-101) shall not constitute representative operational conditions unless otherwise specified in the applicable standard.

C. Tests shall be conducted and data reduced in accordance with the test methods and procedures contained in the Arizona Testing Manual unless modified by the Director pursuant to A.A.C. R18-2-312.B.

D. Test Plan

At least 14 calendar days prior to performing a test, the Permittee shall submit a test plan to the Director in accordance with A.A.C. R18-2-312.B and the Arizona Testing Manual. This test plan must include the following:

1. Test duration;

2. Test location(s);

3. Test method(s); and

4. Source operation and other parameters that may affect test results.

E. Stack Sampling Facilities

The Permittee shall provide, or cause to be provided, performance testing facilities as follows:

1. Sampling ports adequate for test methods applicable to the facility;

2. Safe sampling platform(s);

3. Safe access to sampling platform(s); and

4. Utilities for sampling and testing equipment.

F. Interpretation of Final Results

Each performance test shall consist of three separate runs using the applicable test method. Each run shall be conducted for the time and under the conditions specified in the applicable standard. For the purpose of determining compliance with an applicable standard, the arithmetic mean of the results of the three runs shall apply. In the event that a sample is accidentally lost or conditions occur in which one of the three runs is required to be discontinued because of forced shutdown, failure of an irreplaceable portion of the sample train, extreme meteorological conditions, or other circumstances beyond the Permittee's control, compliance may, upon the Director's approval, be determined using the arithmetic mean of the results of the other two runs. If the Director or the Director's designee is present, tests may only be stopped with the Director's or such designee's approval. If the Director or the Director's designee is not present, tests may only be stopped for good cause. Good cause includes: forced shutdown, failure of an irreplaceable portion of the sample train, extreme meteorological conditions, or other circumstances beyond the Permittee's control. Termination of any test without good cause after the first run is commenced shall constitute a failure of the test. Supporting documentation, which demonstrates good cause, must be submitted.

G. Report of Final Test Results

A written report of the results of all performance tests shall be submitted to the Director within 30 days after the test is performed. The report shall be submitted in accordance with the Arizona Testing Manual and A.A.C. R18-2-312.A.

XIX. PROPERTY RIGHTS [A.A.C. R18-2-306.A.8.d]

This permit does not convey any property rights of any sort, or any exclusive privilege.

XX. SEVERABILITY CLAUSE [A.A.C. R18-2-306.A.7]

The provisions of this permit are severable. In the event of a challenge to any portion of this permit, or if any portion of this permit is held invalid, the remaining permit conditions remain valid and in force.

XXI. PERMIT SHIELD [A.A.C. R18-2-325]

Compliance with the conditions of this permit shall be deemed compliance with all applicable requirements identified in the portions of this permit subtitled "Permit Shield". The permit shield shall not apply to minor revisions pursuant to Condition XVI.B of this Attachment and any facility changes without a permit revision pursuant to Section XVII of this Attachment.

XXII. PROTECTION OF STRATOSPHERIC OZONE [40 CFR Part 82]

If this source becomes subject to the provisions of 40 CFR Part 82, then the Permittee shall comply with these provisions accordingly.

ATTACHMENT "B": SPECIFIC CONDITIONS
Air Quality Control Permit No. 55089
for
SCA Tissue North America LLC

I. FACILITY WIDE REQUIREMENTS

A. The Permittee shall have on site or on call a person certified in EPA Reference Method 9. [A.A.C. R18-2-306.A.3.c]

B. At the time the compliance certifications required by Section VII of Attachment "A" are submitted, the Permittee shall submit reports of all monitoring activities required by this Attachment performed in the same period as applies to the compliance certification period. [A.A.C. R18-2-306.A.5.a]

C. The Permittee shall operate and maintain the plant equipment and associated air pollution equipment in accordance with the manufacturer's specifications**.** [A.A.C. R18-2-306.A.2]

D. The Permittee shall keep the records of all the maintenance activities carried out on the plant equipment. These records shall be made available to ADEQ inspectors upon request. [A.A.C. R18-2-306.A.2]

II. FACILITY WIDE LIMITATIONS

A. Voluntarily Accepted Limitations [A.A.C. R18-2-306.A.2, -306.01.A, and -331.A.3.a]
[Material Permit Conditions are identified by italics and underlines]

1. *The Permittee shall limit the usage of solvent spray in the facility to 28,800 gallons on a rolling twelve-month total basis.*

2. *The Permittee shall limit the usage of sodium hypochlorite in the facility to 584,000 gallons on a rolling twelve-month total basis.*

B. Monitoring, Recordkeeping, and Reporting

1. Solvent Spray Usage

   a. The Permittee shall record the usage of solvent for paper machine maintenance purposes on weekly basis. [A.A.C. R18-2-306.A.3.c]

   b. At the end of every month, the Permittee shall record total usage of solvent spray for that month from the paper machine area. The Permittee shall calculate and record the VOC emissions from the solvent spray used during that month. [A.A.C. R18-2-306.A.3.c]

   c. At the end of every month, the Permittee shall update rolling twelve-month totals of solvent spray usage and VOC emissions. [A.A.C. R18-2-306.A.3.c]

   d. At the time when the semi-annual compliance certifications are due, the Permittee shall submit reports of rolling twelve-month totals of solvent spray usage and associated VOC emissions. [A.A.C. R18-2-306.A.5.a]

2. Hypochlorite Usage

a. The Permittee shall record the usage of hypochlorite in the fiber prep operation on weekly basis. [A.A.C. R18-2-306.A.3.c]

b. At the end of every month, the Permittee shall record total usage of hypochlorite for that month in the fiber prep operation. The Permittee shall calculate and record the facility wide chloroform emissions during that month. [A.A.C. R18-2-306.A.3.c]

c. At the end of every month, the Permittee shall update rolling twelve-month totals of hypochlorite usage and chloroform emissions. [A.A.C. R18-2-306.A.3.c]

d. At the time when semi-annual compliance certifications are due, the Permittee shall submit reports of rolling twelve-month totals of hypochlorite usage and associated chloroform emissions. [A.A.C. R18-2-306.A.5.a]

III. REQUIREMENTS FOR PROCESS SOURCES

This section covers the equipment in Fiber Preparation Operations, Paper Mill, Water Treatment Process, and Storage Tanks.

A. Particulate Matter and Opacity

1. Emission Limitation/Standard

a. The Permittee shall not cause, allow, or permit the discharge of particulate matter into the atmosphere in excess of the amounts calculated by one of the following equations:

i. For process sources having a process weight rate of 60,000 lbs per hour (30 tons per hour) or less, the maximum allowable emissions shall be determined by the following equation:

$E = 4.1\ P^{0.67}$

Where:

E = the maximum allowable particulate emission rate in pounds-mass per hour
P = the process weight rate in tons-mass per hour

ii. For process sources having a process weight rate greater than 60,000 lbs per hour (30 tons per hour), the maximum allowable emissions shall be determined by the following equation:

$E = 55\ P^{0.11}$

Where "E" and "P" are defined as indicated in paragraph III.A.1.a.i. [A.A.C. R18-2-730.A.1]

b. For purposes of this section, the total process weight from all similar units employing a similar type process shall be used in determining the maximum allowable emission of particulate matter. [A.A.C. R18-2-730.B]

c. The Permittee shall not cause, allow or permit the opacity of visible emissions exiting from the stacks of above buildings to exceed 20 percent as measured by EPA Reference Method 9. [A.A.C. R18-2-702.B]

2. Permit Shield [A.A.C. R18-2-325]

Compliance with the conditions of this Part shall be deemed compliance with A.A.C. R18-2-702.B, -730.A.1, and B.

B. Sulfur Dioxide

1. Emission Limitation/Standard

The Permittee shall not cause, allow, or permit the discharge of sulfur dioxide into the atmosphere in excess of 600 parts per million. [A.A.C. R18-2-730.A.2]

2. Permit Shield [A.A.C. R18-2-325]

Compliance with the condition of this Part shall be deemed compliance with A.A.C. R18-730.A.2.

C. Volatile Organic Compounds

1. Emission Limitations/Standards

a. The Permittee shall not emit gaseous or odorous materials from the equipment, operations or premises under his control in such quantities or concentrations as to cause air pollution. [A.A.C. R18-2-730.D]

b. Materials including solvents or other volatile compounds, paints, acids, alkalies, pesticides, fertilizers and manure shall be processed, stored, used, and transported in such a manner and by such means that they will not evaporate, leak, escape or be otherwise discharged into the ambient air so as to cause or contribute to air pollution. Where means are available to reduce effectively the contribution to air pollution from evaporation, leakage, or discharge, the installation and use of such control methods, devices, or equipment shall be mandatory. [A.A.C. R18-2-730.F]

c. Where a stack, vent or other outlet is at such a level that fumes, gas mist, odor, smoke, vapor or any combination thereof constituting air pollution is discharged to adjoining property, the Director may require the installation of abatement equipment or the alteration of such stack, vent, or other outlet by the Permittee to a degree that will adequately dilute, reduce or eliminate the discharge of air pollution to adjoining property.

[A.A.C. R18-2-730.G]

d. The Permittee shall install, operate, and maintain all pieces of equipment covered by this permit in accordance with manufacturer specifications. The pieces of equipment covered by this permit are listed in Attachment "C". [A.A.C. R18-2-306.A.2]

2. Permit Shield [A.A.C. R18-2-325]

Compliance with the conditions of this Part shall be deemed compliance with A.A.C. R18-730.D, F, and G.

IV. REQUIREMENTS FOR CLEAVER BROOKS BOILER

A. Voluntarily Accepted Limitation [A.A.C. R18-2-306.A.2, -306.01.A, and -331.A.3.a]

[Material Permit Conditions are identified by italics and underlines]

The Permittee shall combust only natural gas or propane in the Cleaver Brooks Boiler.

B. Record keeping [40 CFR 60.48c(g)]

The Permittee shall maintain a record of monthly natural gas consumption for the boiler. This may be done maintaining a copy of the monthly natural gas bill for the boiler.

C. Permit Shield [A.A.C. R18-2-325]

Compliance with the condition of this Part shall be deemed compliance with 40 CFR 60.48c(g).

V. REQUIREMENTS FOR AIR CAP BURNERS #1 & #2 in PAPER MACHINE #5 AND #6

A. Voluntarily Accepted Limitation [A.A.C. R18-2-306.A.2, -306.01.A, and -331.A.3.a]

[Material Permit Conditions are identified by italics and underlines]

The Permittee shall combust only natural gas or propane in the air cap burners 1 & 2 in paper machines 5 and 6.

B. Particulate Matter

1. Emission Limitation/Standard

a. The Permittee shall not cause, allow, or permit the discharge of particulate matter into the atmosphere in excess of the amounts calculated by one of the following equations:

i. For process sources having a process weight rate of 60,000 lbs per hour (30 tons per hour) or less, the maximum allowable emissions shall be determined by the following equation:

$E = 4.1\ P^{0.67}$

Where:

E = the maximum allowable particulate emission rate in pounds-mass per hour

P = the process weight rate in tons-mass per hour

ii. For process sources having a process weight rate greater than 60,000 lbs per hour (30 tons per hour), the maximum allowable emissions shall be determined by the following equation:

$E = 55 P^{0.11}$

Where "E" and "P" are defined as indicated in paragraph V.B.1.a.i above. [A.A.C. R18-2-730.A.1]

b. For purposes of this section, the total process weight from all similar units employing a similar type process shall be used in determining the maximum allowable emission of particulate matter. [A.A.C. R18-2-730.B]

2. Permit Shield [A.A.C. R18-2-325]

Compliance with the conditions of this Part shall be deemed compliance with A.A.C. R18-2-730.A.1 and B.

C. Opacity Standards

1. Emission Limitations/Standards

The Permittee shall not cause, allow or permit to be emitted into the atmosphere, any plume or effluent which exceeds 20 percent opacity as measured by EPA Reference Method 9. [A.A.C. R18-2-702.B]

2. Permit Shield [A.A.C. R18-2-325]

Compliance with the condition of this Part shall be deemed compliance with A.A.C. R18-702.B.

D. Sulfur Dioxide

1. Emission Limitations/Standards

The Permittee shall not cause, allow or permit the discharge of sulfur dioxide into the atmosphere in excess of 600 parts per million. [A.A.C. R18-2-730.A.2]

2. Permit Shield [A.A.C. R18-2-325]

Compliance with the condition of this Part shall be deemed compliance with A.A.C. R18-730.A.2.

E. Nitrogen Oxides

1. Emission Limitations/Standards

The Permittee shall not cause, allow or permit the discharge of nitrogen oxides into the atmosphere in excess of 500 parts per million. [A.A.C. R18-2-730.A.3]

2. Permit Shield [A.A.C. R18-2-325]

Compliance with the condition of this Part shall be deemed compliance with A.A.C. R18-730.A.3.

VI. FUGITIVE DUST REQUIREMENTS

A. Applicability

This Section applies to any source of air contaminants which, due to lack of an identifiable emissions point or plume, cannot be considered a point source.

B. Particulate Matter and Opacity

1. Open Areas, Roadways & Streets, Storage Piles, and Material Handling

a. Emission Limitations/Standards

i. Opacity of emissions from any fugitive dust source shall not be greater than 40 percent measured in accordance with the Arizona Testing Manual, Reference Method 9. [A.A.C. R18-2-612]

ii. The Permittee shall not cause, allow or permit visible emissions from any point source, in excess of 20 percent opacity. [A.A.C-R18-2-702.B]

iii. The Permittee shall employ the following reasonable precautions to prevent excessive amounts of particulate matter from becoming airborne:

(a) Keep dust and other types of air contaminants to a minimum in an open area where construction operations, repair operations, demolition activities, clearing operations, leveling operations, or any earth moving or excavating activities are taking place, by good modern practices such as using an approved dust suppressant or adhesive soil stabilizer, paving, covering, landscaping, continuous wetting, detouring, barring access, or other acceptable means; [A.A.C. R18-2-604.A]

(b) Keep dust to a minimum from driveways, parking areas, and vacant lots where motor vehicular activity occurs by using an approved dust suppressant, or adhesive soil stabilizer, or by paving, or by barring access to the property, or by other acceptable means; [A.A.C. R18-2-604.B]

(c) Keep dust and other particulates to a minimum by employing dust suppressants, temporary paving, detouring, wetting down or by other reasonable means when a roadway is repaired, constructed, or reconstructed; [A.A.C. R18-2-605.A]

(d) Take reasonable precautions, such as wetting, applying dust suppressants, or covering the load when transporting material likely to give rise to airborne dust; [A.A.C. R18-2-605.B]

(e) Take reasonable precautions, such as the use of spray bars, wetting agents, dust suppressants, covering the load, and hoods when crushing, handling, or conveying material likely to give rise to airborne dust; [A.A.C. R18-2-606]

(f) Take reasonable precautions such as chemical stabilization, wetting, or covering when organic or inorganic dust producing material is being stacked, piled, or otherwise stored. [A.A.C. R18-2-607.A]

(g) Operate stacking and reclaiming machinery utilized at storage piles at all times with a minimum fall of material, or with the use of spray bars and wetting agents; [A.A.C. R18-2-607.B]

(h) Any other method as proposed by the Permittee and approved by the Director. [A.A.C. R18-2-306.A.3.c]

b. Monitoring and Recordkeeping Requirements [A.A.C. R18-2-306.A.3.c]

i. The Permittee shall maintain records of the dates on which any of the activities listed in Conditions VI.B.1.a.iii.(a) through VI.B.1.a.iii.(h) above were performed and the control measures that were adopted.

ii. Opacity Monitoring Requirements

(a) A certified Method 9 observer shall conduct a quarterly visual survey of visible emissions from the fugitive dust sources. The Permittee shall keep a record of the name of the observer, the date and location on which the observation was made, and the results of the observation.

(b) If the observer sees a plume from a fugitive dust source that on an instantaneous basis appears to exceed 40 percent, then the observer shall, if practicable, take a six-minute Method 9 observation of the plume.

(i) If the six-minute opacity of the plume is less than or equal to 40 percent, the observer shall make a record of the following:

a) Location, date, and time of the observation; and

b) The results of the Method 9 observation.

(ii). If the six-minute opacity of the plume exceeds 40 percent, then the Permittee shall do the following:

a) Adjust or repair the controls or equipment to reduce opacity to below 40 percent; and

b) Report it as an excess emission under Section XII.A of Attachment "A".

c. Permit Shield [A.A.C. R18-2-325]

Compliance with the conditions of this Part shall be deemed compliance with A.A.C. R18-2-604, -605, -606, -607, and -612.

VII. MOBILE SOURCE REQUIREMENTS

A. Applicability

The requirements of this Section are applicable to mobile sources which either move while emitting air contaminants or are frequently moved during the course of their utilization but are not classified as motor vehicles, agricultural vehicles, or are agricultural equipment used in normal farm operations. Mobile sources shall not include portable sources as defined in A.A.C. R18-2-101.89. [A.A.C.R18-2-801.A]

B. Particulate Matter and Opacity

1. Emission Limitations/Standards

a. Off-Road Machinery

The Permittee shall not cause, allow, or permit to be emitted into the atmosphere from any off-road machinery, smoke for any period greater than ten consecutive seconds, the opacity of which exceeds 40%. Visible emissions when starting cold equipment shall be exempt from this requirement for the first ten minutes. Off-road machinery shall include trucks, graders, scrapers, rollers, and other construction and mining machinery not normally driven on a completed public roadway.
[A.A.C.R18-2-802.A and -802.B]

b. Roadway and Site Cleaning Machinery

i. The Permittee shall not cause, allow or permit to be emitted into the atmosphere from any roadway and site cleaning machinery smoke or dust for any period greater than ten consecutive seconds, the opacity of which exceeds 40 percent. Visible

emissions when starting cold equipment shall be exempt from this requirement for the first ten minutes. [A.A.C.R18-2-804.A]

ii. The Permittee shall take reasonable precautions, such as the use of dust suppressants, before the cleaning of a site, roadway, or alley. Earth or other material shall be removed from paved streets onto which earth or other material has been transported by trucking or earth moving equipment, erosion by water or by other means. [A.A.C. R18-2-804.B]

c. Unless otherwise specified, no mobile source shall emit smoke or dust the opacity of which exceeds 40 percent. [A.A.C.R18-2-801.B]

2. Record keeping Requirement

The Permittee shall keep a record of all emissions related maintenance activities performed on the Permittee's mobile sources stationed at the facility as per manufacturer's specifications. [A.A.C.R18-2-306.A.5.a]

3. Permit Shield [A.A.C.R18-2-325]

Compliance with the conditions of this Part shall be deemed compliance with A.A.C. R18-2-801, -802.A, and -804.

VIII. OTHER PERIODIC ACTIVITY REQUIREMENTS

A. Abrasive Blasting

Particulate Matter and Opacity

1. Emission Limitations/Standards [A.A.C. R18-2-726]

a. The Permittee shall not cause or allow sandblasting or other abrasive blasting without minimizing dust emissions to the atmosphere through the use of good modern practices. Good modern practices include:

i. wet blasting;

iii. effective enclosures with necessary dust collecting equipment; or

iii. any other method approved by the Director.

b. Opacity [A.A.C. R18-2-702.B]

The Permittee shall not cause, allow or permit visible emissions from sandblasting or other abrasive blasting operations in excess of 20 percent opacity as measured by EPA Reference Method 9.

2. Monitoring and Recordkeeping Requirement [A.A.C. R18-2-306.A.3.c]

Each time an abrasive blasting project is conducted, the Permittee shall log in ink or in an electronic format, a record of the following:

a. The date the project was conducted;

b. The duration of the project; and

c. Type of control measures employed.

3. Permit Shield [A.A.C.R18-2-325]

Compliance with the conditions of this Part shall be deemed compliance with A.A.C. R18-2-702.B and -726.

B. Use of Paints

1. Volatile Organic Compounds

a. Emission Limitations/Standards

While performing spray painting operations, the Permittee shall comply with the following requirements:

i. The Permittee shall not conduct or cause to be conducted any spray painting operation without minimizing organic solvent emissions. Such operations, other than architectural coating and spot painting, shall be conducted in an enclosed area equipped with controls containing no less than 96 percent of the overspray. [A.A.C.R18-2-727.A]

ii. The Permittee or their designated contractor shall not either:

(a) Employ, apply, evaporate, or dry any architectural coating containing photochemically reactive solvents for industrial or commercial purposes; or

(b) Thin or dilute any architectural coating with a photochemically reactive solvent. [A.A.C.R18-2-727.B]

iii. For the purposes of Conditions VIII.B.1.a.ii and VIII.B.1.a.v, a photochemically reactive solvent shall be any solvent with an aggregate of more than 20 percent of its total volume composed of the chemical compounds classified in Conditions VIII.B.1.a.iii(a) through VIII.B.1.a.iii(c) below, or which exceeds any of the following percentage composition limitations, referred to the total volume of solvent:

(a) A combination of the following types of compounds having an olefinic or cyclo-olefinic type of unsaturation-hydrocarbons, alcohols, aldehydes, esters, ethers, or ketones: 5 percent.

(b) A combination of aromatic compounds with eight or more carbon atoms to the molecule except ethylbenzene: 8 percent.

(c) A combination of ethylbenzene, ketones having branched hydrocarbon structures, trichloroethylene or toluene: 20 percent.

[A.A.C.R18-2-727.C]

iv. Whenever any organic solvent or any constituent of an organic solvent may be classified from its chemical structure into more than one of the groups of organic compounds described in Conditions VIII.B.1.a.iii(a) through VIII.B.1.a.iii(c) above, it shall be considered to be a member of the group having the least allowable percent of the total volume of solvents.

[A.A.C.R18-2-727.D]

b. Monitoring and Recordkeeping Requirements

i. Each time a spray painting project is conducted, the Permittee shall log in ink, or in an electronic format, a record of the following:

(a) The date the project was conducted;

(b) The duration of the project;

(c) Type of control measures employed;

(d) Material Safety Data Sheets for all paints and solvents used in the project; and

(e) The amount of paint consumed during the project.

ii. Architectural coating and spot painting projects shall be exempt from the recordkeeping requirements of Condition VIII.B.1.b.i above.

[A.A.C. R18-2-306.A.3.c]

c. Permit Shield [A.A.C. R18-2-325]

Compliance with the conditions of this Part shall be deemed compliance with A.A.C.R18-2-727.

2. Opacity

a. Emission Limitation/Standard

The Permittee shall not cause, allow or permit visible emissions from painting operations in excess of 20 percent opacity as measured by EPA Reference Method 9. [A.A.C. R18-2-702.B]

b. Permit Shield [A.A.C. R18-2-325]

Compliance with the condition of this Part shall be deemed compliance with A.A.C.R18-2-702.B.

C. Demolition/Renovation - Hazardous Air Pollutants

1. Emission Limitation/Standard [A.A.C. R18-2-1101.A.8]

The Permittee shall comply with all of the requirements of 40 CFR § 61 Subpart M (National Emissions Standards for Hazardous Air Pollutants - Asbestos).

2. Monitoring and Recordkeeping Requirement

The Permittee shall keep all required records in a file. The required records shall include the "NESHAP Notification for Renovation and Demolition Activities" form and all supporting documents. [A.A.C. R18-2-306.A.3.c]

3. Permit Shield [A.A.C. R18-2-325]

Compliance with the condition of this Part shall be deemed compliance with A.A.C. R18-2-1101.A.8.

D. Non-vehicle Air Conditioner Maintenance and/or Services

1. Emission Limitation/Standard

The Permittee shall comply with all of the requirements of 40 CFR 82 Subpart F (Protection of Stratospheric Ozone-Recycling and Emissions Reduction). [40 CFR § 82 Subpart F]

2. Monitoring and Recordkeeping Requirement

The Permittee shall keep all records required by the applicable requirements of 40 CFR 82 Subpart F in a file. [A.A.C. R18-2-306.A.3.c]

3. Permit Shield [A.A.C. R18-2-325]

Compliance with the condition of this Part shall be deemed compliance with 40 CFR 82 Subpart F.

ATTACHMENT "C": EQUIPMENT LIST

Air Quality Control Permit No. 55089

for

SCA Tissue North America LLC

EQUIPMENT ID	EQUIPMENT NAME	MAKE	MODEL	CAPACITY	YEAR INSTALLED
1-2-1	No. 1 Pulper	Voith	HD 18	120 tpd	1986
1-2-2	No. 2 Pulper	Voith	HD 18	120 tpd	1999
1-2-3	No. 3 Pulper	Black Clawson	NA	58 tpd	1970
1-3-1	No. 1 Pulper Dump Chest	Custom	NA	120 tpd	NA
1-3-2	No. 2 Pulper Dump Chest	Custom	NA	120 tpd	1999
1-3-3	No. 1 Drum Screen (5/8"); (2)	Voith	NA	120 tpd	1986
1-3-4	No. 1 Holding Chest	Custom	NA	120 tpd	1990
1-3-5	Coarse Screen (1.5 mm)	Voith	NA	300 tpd	2004
1-3-6	No. 2 Holding Chest	Custom	NA	NA	NA
1-3-7	Flat Screen (4 mm)	Voith	1000 K	60 tpd	1986
1-3-8	Flat Screen (0.015")	Voith	1000 K	10 tpd	1986
1-3-9	Reverse Cleaners	Beloit	Uniflow HF	200 tpd	1990
1-3-10	Holding Tank	Custom	NA	NA	NA
1-3-11	Primary Cleaners	Beloit	NA	184 tpd	1999
1-3-12	Small Holding Tank	Custom	NA	NA	NA
1-3-13	Secondary Stage Cleaners	Beloit	NA	23 tpd	1999
1-3-14	Small Holding Tank	Custom	NA	NA	NA
1-3-15	Tertiary Stage Cleaners	Beloit	NA	3 tpd	1999
1-3-16	Primary Fine Screen (1.5 mm)	Voith	NA	228 tpd	1999
1-3-17	Small Holding Tank	Custom	NA	NA	NA
1-3-18	Secondary Fine Screen (0.08")	Voith	VPS 20	92 tpd	1999
1-3-19	Holding Tank	NA	NA	NA	NA
1-3-20	Tertiary Fine Screen (0.08")	Voith	VPS 05	23 tpd	NA

EQUIPMENT ID	EQUIPMENT NAME	MAKE	MODEL	CAPACITY	YEAR INSTALLED
1-4-1	No. 1 Floatation Cell	Esherwize	NA	100 tpd	1990
1-4-2	Krofta Feed Chest	Custom	NA	NA	1990
1-4-3	No. 2 Floatation Cell	Esherwize	NA	20 tpd	NA
1-5-1	Washers (Qty:3)	Roma	NA	250 tpd	1990
1-5-2	Mill Chest	NA	NA	NA	NA
1-5-3	Washed Stock Tank	NA	NA	NA	NA
2-1-2	Blend Chest (Paper Machine #5)	Custom	NA	NA	NA
2-1-3	Machine Chest (Paper Machine #5)	Custom	NA	NA	NA
2-1-4	Refiner (Paper Machine #5)	Beloit	NA	80 tpd	1980
2-1-5	Blend Chest (Paper Machine #6)	Custom	NA	NA	NA
2-1-6	Machine Chest (Paper Machine #6)	Custom	NA	NA	NA
2-1-7	Refiner (Paper Machine #6)	Beloit	NA	120 tpd	1990
2-2-1	Head Box Pressure Screen (Paper Machine #5)	Voith	NA	100 tpd	1989
2-2-2	Head Box (Paper Machine #5)	Beloit	NA	NA	1986
2-2-3	Wire & Felt Section (Paper Machine #5)	Osborne	NA	NA	1963
2-2-4	Yankee Dryer (Paper Machine #5)	Beloit	NA	NA	1986
2-2-5	Reel (Paper Machine #5)	Osborne	NA	NA	1963
2-3-1	Head Box Pressure Screen (Paper Machine #6)	Julavara	NA	NA	1990
2-3-2	Head Box (Paper Machine #6)	Beloit	NA	NA	1990
2-3-3	Wire & Felt Section (Paper Machine #6)	Beloit	NA	NA	1990
2-3-4	Yankee Dryer (Paper Machine #6)	Beloit	NA	NA	1963
2-3-5	Reel (Paper Machine #6)	Beloit	NA	NA	1963
2-4-1	Winders	Beloit	NA	NA	1963
2-5-1	Paper Machine #5 Coach Pit	NA	NA	NA	NA

EQUIPMENT ID	EQUIPMENT NAME	MAKE	MODEL	CAPACITY	YEAR INSTALLED
2-5-2	Paper Machine #5 Saveall Feed Chest	NA	NA	NA	NA
2-5-3	Paper Machine #5 Connustrenner	NA	NA	NA	NA
2-5-4	Paper Machine #6 Saveall Feed Chest	NA	NA	NA	NA
2-5-5	Paper Machine #6 Connustrenner	NA	NA	NA	NA
2-5-6	Elephant Filter	NA	NA	NA	NA
2-5-7	Saveall Accepts Tank	NA	NA	NA	NA
3-1-1	Paper Machine #5-Air Cap Burner 1	Maxon	400 Overpak	16.5 MMBtu/hr	2003
3-2-1	Paper Machine #5-Air Cap Burner 2	Maxon	400 Overpak	16.5 MMBtu/hr	2003
3-3-1	Paper Machine #6-Air Cap Burner 1	Aerothermic	NA	16.5 MMBtu/hr	1990
3-4-1	Paper Machine #6-Air Cap Burner 2	Aerothermic	NA	16.5 MMBtu/hr	1990
3-5-1	Cleaver Brooks Boiler	Cleaver Brooks	NA	60.7 MMBtu/hr	1998
4-1-1	Aeration Basin	Aqua-Aerobics	NA	800,000 gallons	1990
4-1-2	Settling Clarifier #1	Custom	NA	52,000 gallons	NA
4-1-3	Settling Clarifier #2	Custom	NA	80,000 gallons	2003
4-2-1	DAF Unit 1	Krofta	NA	Avg. 500 gallons/min	1986
	DAF Unit 2	FRC	PLC-90	Avg. 800 gallons/min	1996
	DAF Unit 3	FRC	NA	Avg. 1,200 gallons/min	1996
4-2-2	Sludge Press Feed Chest	Custom	NA	NA	NA
4-2-3	Sludge Press	Andritz	NA	60 tpd	1990
	Sludge Press	Andritz	NA	60 tpd	1990
5-1-1	Solvent Storage Tank	Custom	NA	3,000 gallons	NA
5-1-2	Black Tank	Custom	NA	155,000 gallons	NA
5-1-3	Lean White Water Chest	Custom	NA	NA	NA
5-1-4	Wet Strength Resin Tank (2)	Custom	NA	4,200 gallons	NA
5-1-5	Sodium Hypochlorite Tank (3)	Custom	NA	4,200 gallons	NA
5-1-6	Propane Tank	Custom	NA	1,000 gallons	NA

EQUIPMENT ID	EQUIPMENT NAME	MAKE	MODEL	CAPACITY	YEAR INSTALLED
5-1-7	Phosphoric Acid	Custom	NA	2,500 gallons	NA
5-1-8	Ammonia Tank	Custom	NA	8,500 gallons	NA
5-1-9	Pulper Feed Chest	Custom	NA	NA	NA
5-1-10	FRC Feed Chest	Custom	NA	NA	NA
5-1-11	Krofta Clarified Water Tank	Custom	NA	NA	NA
5-1-12	FRC Clarified Water	Custom	NA	NA	NA
5-1-13	Pulper Water Tank 1	Custom	NA	NA	NA
5-1-14	Pulper Water Tank 2	Custom	NA	NA	NA

Note: NA- Not Available