Permittee:
Dixie Tank
5349 Highway Avenue
Jacksonville, FL 32254

Permit No.: 0310596-002-AO
Facility ID No.: 0310596
SIC No(s).: 34
Project: Tank Fabrication

This permit is for the operation of a tank fabrication facility. Dixie Tank is located at 5349 Highway Avenue, Jacksonville, Duval County, FL 32254; UTM Coordinates: Zone 17, 429.06 km East and 3354.83 km North; Latitude: 30° 19' 23" North and Longitude: 81° 44' 16" West.

This permit is issued under the provisions of Chapter 403, Florida Statutes (FS) and Chapters 62-4, 62-204, 62-210, 62-212, 62-213, 62-296, and 62-297, Florida Administrative Code (FAC). The above named 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 Regulatory Compliance Department, Environmental Quality Division (Permitting Authority) in accordance with the terms and conditions of this permit.

Renewal Application Due Date: **September 1, 2019**
Expiration Date: **October 31, 2019**

Regulatory Compliance Department
Environmental Quality Division

Robert Steven Pace, P.E., Manager
Air Quality Branch

RSP/HDS

Section I. Facility Information

Subsection A. Facility/Project Description

This permit is for the operation of a tank fabrication facility. Dixie Tank constructs potable water tanks from new, raw steel plate, steel end caps, steel fixtures and piping. The tank steel is welded and moved to a sand blasting area. The tanks are sandblasted to remove surface rust and moved to the painting area. Painting activities occur inside a large warehouse with a concrete floor. The exterior of the tanks are painted with a protective primer to prevent future rust. The tank interiors are coated with a food grade epoxy.

This permit incorporates the applicable terms and conditions identified in Air Construction Permit No. 0310596-001-AC issued on October 7, 2014.

The facility is a minor source of air pollution because the potential emissions of regulated air pollutants are less than 100 tons per year and the potential emissions of Hazardous Air Pollutants (HAP) are less than 10 tons per year for a single HAP and less than 25 tons per year for total HAP pursuant to Rule 62-210.200(173), FAC and Rule 2.301, JEPB.

Subsection B. Summary of Emission Unit (EU) ID Nos. and Brief Descriptions

EU No.	EU Description	Control Device
001	Open Air Blasting Operation	Particulate Screen
002	Surface Coating Operation	

Subsection C. Relevant documents

Air Construction Permit No. 0310596-001-AC
Air Operation Permit Application received November 4, 2014

Section II. Facility Wide Conditions

Subsection A. General Conditions

1. The terms, conditions, requirements, limitations, and restrictions set forth herein are "Permit Conditions" and are binding and enforceable pursuant to Section 403.141, FS. The permittee is placed on notice that the Permitting Authority 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 Permitting Authority.

3. As provided in subsections 403.987(7), FS, the issuance of this permit does not convey any vested rights or any exclusive privileges. Neither 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 is not 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 this permit.

4. This permit conveys no title to land or water, does not constitute State recognition or acknowledgement of title, and 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 Permitting Authority rules, unless specifically authorized by an order from the Permitting Authority.

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, as required by Permitting Authority 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 Permitting Authority rules.

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

   a. Have access to and copy any records that must be kept under conditions of the permit;
   b. Inspect the facility, equipment, practices, or operations regulated or required under this permit; and
   c. Sample or monitor any substances or parameters at any location reasonably necessary to assure compliance with this permit or Permitting Authority 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 Permitting Authority with the following information:

   a. A description of and cause of noncompliance; and
   b. The period of noncompliance, including 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 Permitting Authority 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 Permitting Authority may be used by the Permitting Authority as evidence in any enforcement case involving the permitted source arising under the Florida Statutes or Permitting Authority rules, except where such use is prescribed by Sections 403.111 and 403.73, FS. Such evidence shall only be used to the extent it is consistent with the Florida Rules of Civil Procedure and appropriate evidentiary rules.

10. The permittee agrees to comply with changes in Permitting Authority 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 Permitting Authority rules.

11. This permit is transferable only upon Permitting Authority approval in accordance with Rule 62-4.120, FAC, as applicable. The permittee shall be liable for any noncompliance of the permitted activity until the transfer is approved by the Permitting Authority.

12. This permit or a copy thereof shall be kept at the work site of the permitted activity.

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 (NSPS)

14. The permittee shall comply with the following:

    a. Upon request, the permittee shall furnish all records and plans required under Permitting Authority rules. During enforcement actions, the retention period for all records will be extended automatically unless otherwise stipulated by the Permitting Authority.
    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 monitoring instrumentation) required by this 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 Permitting Authority rule.
    c. Records of monitoring information shall include:

        1. The date, exact place, and time of sampling or measurements;
        2. The person responsible for performing the sampling or measurements;
        3. The date(s) analyses were performed;
        4. The person responsible for performing the analyses;
        5. The analytical techniques or methods used;
        6. The results of such analyses.

15. When requested by the Permitting Authority, 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 Permitting Authority, such facts or information shall be corrected promptly.

Subsection B. Specific Conditions

1. Any revision(s) to a permit (and application) shall be submitted to and approved by the Permitting Authority prior to implementing.
   [Rule 62-4.080(2), FAC, and Rule 2.1401, JEPB]

2. The permittee shall apply for a renewal operation permit sixty (60) days prior to the expiration of this permit.
   [Rule 62-4.090, FAC, and Rule 2.1401, JEPB]

3. Permittee shall notify the Permitting Authority fifteen (15) days prior to EU testing.
   [Rule 62-297.310(7)(a)9., FAC, and Rule 2.1201, JEPB]

4. Testing of emissions shall be conducted with the EU operating at permitted capacity. Permitted capacity is defined as 90-100 percent of the maximum operating rate allowed by the permit. If it is impracticable to test at permitted capacity, the EU may be tested at less than capacity; in this case subsequent EU operation is limited to 110 percent of the test load until a new test is conducted. Once the EU is so limited, then operation at higher capacities is allowed for no more than 15 consecutive days for the purposes of additional compliance testing to regain the permitted capacity in the permit.
   [Rule 62-297.310(2), FAC, and Rule 2.1201, JEPB]

5. Copies of the test report(s) shall be filed with the Permitting Authority within forty-five (45) days of completion of testing.
   [Rule 62-297.310(8)(b), FAC, and Rule 2.1201, JEPB]

6. Stack sampling ports and platforms shall not be required.

7. General Pollutant Emission Limiting Standards. Objectionable Odor Prohibited. The permittee shall not cause, suffer, allow, or permit the discharge of air pollutants which cause or contribute to an objectionable odor.
   [Rule 62-296.320(2), FAC, and Rule 2.1101, JEPB]

8. The facility shall be subject to City of Jacksonville Ordinance Code, Title X, Chapter 360 [Environmental Regulation], Chapter 362 [Air and Water Pollution], Chapter 376 [Odor Control], and JEPB Rule 1 [Final Rules with Respect to Organization, Procedure, and Practice].

9. The facility shall be subject to JEPB Rule 2, Part Nos. I through VII, and Part Nos. IX through XIV.

10. The permittee shall submit all compliance related notifications and reports required of this permit to:

Regulatory Compliance Department
Environmental Quality Division
Ed Ball Building, 214 North Hogan Street, Suite 500
Jacksonville, FL 32202
Telephone: (904) 255-7100
Fax: (904) 255-7130

Section III. Emission Units and Conditions

Emission Unit No. 001 – Open Air Blasting Operation

Emission Unit Description: Tanks are sandblasted to remove surface rust

Control Device: Particulate Screen on North, East and Westside of the sandblasting area

Essential Potential to Emit (PTE) Parameters

1. Reasonably Available Control Technology (RACT) requirements including **Specific RACT Emission Limiting Standards for Stationary Emission Units** [Rule 62-296.700(3), FAC, and Rule 2.1101, JEPB]**; Maximum Allowable Emission Rates** [Rule 62-296.700(4), FAC, and Rule 2.1101, JEPB]; **Circumvention** [Rule 62-296.700(5),FAC, and Rule 2.1101, JEPB], and **Operation and Maintenance Plan** [Rule 62-296.700(6), FAC, and Rule 2.1101, JEPB] shall apply to this emission unit.

2. This EU shall be allowed to operate a maximum of 2,080 hours per year (hrs/yr).
   [Rule 62-210.200(225), FAC and Rule 2.301, JEPB]

Emission Limitations and Standards

3. No person shall cause, let, permit, suffer or allow the emissions of unconfined particulate matter emissions from any activity, including vehicular movement; transportation of materials; construction, alteration, demolition or wrecking; or industrially related activities such as loading, unloading, storing or handling; without taking reasonable precautions to prevent such emissions. Reasonable precautions include the following:

   a. Paving and maintenance of roads, parking areas and yards.
   b. Application of water or chemicals to control emissions from such activities as demolition of buildings, grading roads, construction, and land clearing.
   c. Application of asphalt, water, oil, chemicals or other dust suppressants to unpaved roads, yards, open stock piles and similar activities.
   d. Removal of particulate matter from roads and other paved areas under the control of the owner or operator of the facility to prevent re-entrainment, and from buildings or work areas to prevent particulate from becoming airborne.
   e. Landscaping or planting of vegetation.
   f. Use of hoods, fans, filters, and similar equipment to contain, capture and/or vent particulate matter.
   g. Confining abrasive blasting where possible.
   h. Enclosure or covering of conveyor systems.
   i. 27-inch high steel berm on east side of the sandblast concrete pad
   j. Particulate screens on the east, west and north side of the sandblast concrete pad

   [Rule 62-296.320(4)(c)., FAC, and Rule 2.1101, JEPB]

Recordkeeping and Reporting Requirements

4. Records shall be maintained on a monthly basis for the following:

   a. Type of abrasive blast media
   b. Abrasive blast media usage
   c. Hours of operation for open air abrasive blasting

   Records shall be maintained for a minimum of five (5) years and made available to the Permitting Authority upon request.
   [Rule 62-213.440, FAC and Rule 2.501, JEPB]

5. An Operation and Maintenance Plan shall be attached to and shall be part of this permit. All activities shall be performed as scheduled and recorded. Data shall be made available to the Permitting Authority upon request. Records shall be maintained on file for a minimum period of two (2) years.
   [Rule 62-296.700(6)(e), FAC, and Rule 2.1001, JEPB]

Emission Unit No. 002 – Surface Coating Operation

Emission Unit Description: Exterior of tanks are painted with a protective primer and interior of tanks are coated with a food grade epoxy.

Emission Limitations and Standards

1. Reasonably Available Control Technology (RACT) requirements including **Volatile Organic Compounds (VOC) and Nitrogen Oxides (NOx) Emitting Facilities** [Rule 62-296.500(1 & 2), FAC, and Rule 2.1101, JEPB]; and **Surface Coating of Miscellaneous Metal Parts and Products** [Rule 62-296.513, FAC, and Rule 2.1101, JEPB] shall apply to this emission unit.

2. This EU shall be allowed to operate continuously, i.e., 2,080 hrs/year.
   [Rule 62-210.200, FAC, and Rule 2.301, JEPB]

3. Paints and primers (as applied) shall not exceed a maximum of 3.50 pounds of volatile organic compounds (VOC) per gallon of coating, excluding water.
   [Rule 62-296.513(2)(a)2., FAC, and Rule 2.1101, JEPB]

Test Methods and Procedures

4. Testing for demonstration of compliance shall be performed in accordance with EPA Reference Method (RM) 24 (as described in 40 CFR 60, Appendix A) for VOC. Manufacturers data sheets with VOC and HAP contents may be substituted with the approval of the Permitting Authority.
   [Rule 62-296.513(4), FAC and Rule 2.1101, JEPB]

Recordkeeping and Reporting Requirements

5. Records shall be maintained on a monthly basis for the following:

   a. Gallons of coating(s) applied
   b. VOC content (lbs/gal) of coatings as applied
   c. HAP content (lbs/gal) of coatings as applied
   d. Gallons of solvent / thinner usage
   e. VOC content (lbs/gal) of solvent / thinner
   f. HAP content (lbs/gal) of solvent / thinner
   g. Total VOC emissions
   h. Total HAP emissions
   i. Individual HAP emissions

   Records shall be maintained for a minimum of five (5) years and made available to the Permitting Authority upon request.
   [Rule 62-296.500(2), FAC, and Rule 2.1101, JEPB]