NEIGHBORHOODS DEPARTMENT

Jacksonville
Where Florida Begins.

Permittee:
Metalplate Galvanizing, L. P.
7123 Moncrief Road West
Jacksonville, FL 32219-3313

Permit Number: 0310260-005-AO
Facility ID Number: 0310260
SIC Number: 3479
Project: Hot Dip Galvanizing Kettle

This permit is for the operation of a hot dip galvanizing kettle. This facility is located in Duval County at 7123 Moncrief Road West, Jacksonville, FL 32219-3313. The Universal Transverse Mercator coordinates of the facility are Zone 17, 426.57 km East and 3362.85 km North. The latitude and longitude coordinates are 30° 23'43" North and 81° 45'52" West.

This permit is issued under the provisions of Chapter 403, Florida Statutes (F.S.) and Chapters 62-4, 62-204, 62-210, 62-296, and 62-297, Florida Administrative Code (F.A.C.), and applicable Rules of the Jacksonville Environmental Protection Board (JEPB). The permittee is authorized to perform the work and operate the facility as described in the permit application, approved drawings, plans, and other documents, attached hereto or on file with the City of Jacksonville, Neighborhoods Department, Environmental Quality Division (Permitting Authority) and in accordance with the terms and conditions of this permit.

Operation Permit Renewal Application Due Date: **February 28, 2018**
Expiration Date: **April 30, 2018**

Neighborhoods Department
Environmental Quality Division

Richard J. Robison for

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

RSP/CBJ

Section I. Facility Information

Subsection A. Facility/Project Description

This project is for the operation of a hot dip galvanizing kettle. Emissions are vented through two (2) series 37, 54 inch, Hartgelle Fiberglass up blast roof ventilators.

The facility is a non-Title V 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's) are less than 10 tons per year for a single HAP and less than 25 tons per year for total HAP's pursuant to Rule 62-210.200, F.A.C., and Rule 2.301, JEPB.

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

EU No.	EU Description	Control Equipment
001	Hot Dip Galvanizing Kettle	None

Subsection C. Relevant documents

Air operation permit renewal application received March 25, 2013

Section II. Facility Wide Conditions

Subsection A. General Conditions

1. The terms, conditions, requirements, limitations and restrictions set forth in this permit, are "permit conditions" and are binding and enforceable pursuant to Sections 403.141, 403.727, or 403.859 through 403.861, F.S. 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(6) and 403.722(5), F.S, 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 Permitting Authority 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 acknowledgment 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 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 for revocation of this permit.

9. In accepting this permit, the permittee understands and agrees that all records, notes, monitoring data and other information relating to the construction or operation of this permitted source which are submitted to the 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, F.S. 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 Rules 62-4.120 and 62-730.300, F.A.C., as applicable. The permittee shall be liable for any non-compliance 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)
    ( ) 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 the permit, copies of all reports required by this permit, and records of all data used to complete the application for this permit. These materials shall be retained at least three years from the date of the sample, measurement, report, or application unless otherwise specified by Permitting Authority rule.

c. Records of monitoring information shall include:
   i. The date, exact place, and time of sampling or measurements;
   ii. The person responsible for performing the sampling or measurements;
   iii. The dates analyses were performed;
   iv. The person responsible for performing the analyses;
   v. The analytical techniques or methods used;
   vi. 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.
[Rule 62-4.160, F.A.C., and Rule 2.1401, JEPB]

Subsection B. Specific Conditions

1. The permittee shall apply to the Permitting Authority for a desired modification to an air permit or application, accompanied by the proper processing fee, and receive the approval of the Permitting Authority prior to implementation of the modification.
[Rule 62-4.080(2), F.A.C., and Rule 2.1401, JEPB]

2. The permittee shall submit an "Application for Non-Title V Air Permit Renewal" (DEP Form 62-210.900(4)) to the Permitting Authority no later than sixty (60) days prior to the expiration of this operation permit.
[Rule 62-4.090, F.A.C., and Rule 2.1401, JEPB]

3. The permittee shall not cause, let, permit, suffer, or allow the emission of air pollutants which cause or contribute to an objectionable odor.
[Rule 62-296.320(2), F.A.C., and Rule 2.1101, JEPB]

4. The permittee shall not cause, let, permit, suffer or allow the emission of unconfined particulate matter 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 but are not limited to the following:
   a. Reduced speed for vehicular traffic.
   b. Use of liquid resinous adhesives or other liquid dust suppressants or wetting agents.
   c. Use of paving or other asphaltic materials.
   d. Removal of particulate matter from paved roads and/or other paved areas by vacuum cleaning or otherwise by wetting prior to sweeping.
   e. Covering of trucks, trailers, front end loaders, and other vehicles or containers to prevent spillage of particulate matter during transport.
   f. Use of mulch, hydro seeding, grassing, and/or other vegetative ground cover on barren areas to prevent or reduce particulate matter from being windblown.
   g. Use of hoods, fans, filters, and similar equipment to contain, capture, and vent particulate matter.

h. Enclosure or covering of conveyor systems.
[Rule 62-296.320(4)(c), F.A.C., and Rule 2.1101, JEPB]

5. The permittee shall conduct emission testing with the EU operating at permitted capacity. Permitted capacity is defined as 90-100 percent of the maximum operating rate allowed by the air permit. If it is impractical to test at permitted capacity, then 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, operation at higher capacities is allowed for no more than 15 consecutive days solely for the purposes of additional compliance testing to regain the permitted capacity in the air permit.
[Rule 62-297.310(2), F.A.C., and Rule 2.1201, JEPB]

6. The permittee shall provide stack sampling facilities, upon Permitting Authority request, with a method of access that is safe and readily accessible in accordance with Occupational Safety and Health Administration (OSHA) standards (29CFR1910, Subparts D and E). Permanent sampling facilities are not required.
[Rule 62-297.310(6), F.A.C., and Rule 2.1201, JEPB]

7. The permittee shall notify the Permitting Authority at least fifteen (15) days prior to EU compliance testing.
[Rule 62-297.310(7)(a)9, F.A.C., and Rule 2.1201, JEPB]

8. The permittee shall file a report with the Permitting Authority on the results of any compliance test as soon as practical but no later than forty-five (45) days after completion of testing. The test report shall provide sufficient detail on the emissions unit tested and the test procedures used to allow the Permitting Authority to determine if the test was properly conducted and the test results properly computed.
[Rule 62-297.310(8), F.A.C., and Rule 2.1201, JEPB]

9. The permittee shall submit all documents related to applications for permits to construct or operate an emissions unit and all documents related to compliance activities such as reports, tests, and notifications to the Permitting Authority. The Permitting Authority for this project is the City of Jacksonville, Neighborhoods Department, Environmental Quality Division. The Permitting Authority's mailing address is:

Neighborhoods Department
Environmental Quality Division
214 North Hogan Street, 5th Floor
Jacksonville, FL 32202
Telephone: (904) 255-7100
Fax: (904) 588-0518

Section III. Emission Units and Conditions

Emission Unit 001-Hot Dip Galvanizing Kettle

Emission Unit Description –	Hot dip galvanizing kettle applying zinc coating to steel products
Control Device(s) -	None

Essential Potential to Emit (PTE) Parameters

1. This emissions unit is permitted to operate continuously, i.e., 8,760 hours per year.
[Rule 62-210.200(PTE), F.A.C., and Rule 2.301, JEPB]

2. Zinc usage shall not exceed 1638 tons per calendar year.
   [Rule 62-210.200(PTE), F.A.C., and Rule 2.301, JEPB]

Emission Limitations and Standards

3. The permittee shall not cause, let, permit, suffer, or allow the emission of air pollutants the density of which is equal to or greater than 20 percent opacity.
   [Rule 62-296.320(4)(b)1, F.A.C., and Rule 2.1101, JEPB]

4. The permittee shall not cause, let, permit, suffer, or allow the emission of unconfined particulate matter from the galvanizing operation through the use of the following reasonable precautions:
   a. Ventilation fans shall be used at all times when the galvanizing kettle is being heated or operated.
   b. The building enclosing the galvanizing operation shall be operated in such a manner so as to prevent the escape of unconfined particulate matter from:
      i. Open ends of the building
      ii. Doors, hatches, crane access points, and other openings exclusive of the ventilation fans
   c. Ventilation fans shall be inspected weekly for proper operation. Records of the inspections and findings shall be kept for a minimum period of two years, and shall be made available for inspection upon request of the Permitting Authority.
   d. Galvanizing operations shall be performed only when the two (2) ventilation fans are being properly operated.

   [Rule 62-296.320(4)(c), F.A.C., and Rule 2.1101, JEPB]

Test Methods and Procedures

5. Testing for demonstration of compliance for the visual determination of opacity shall be performed annually from the date of February 1, 2013 in accordance with Environmental Protection Agency Reference Method 9, (as described in 40CFR60, Appendix A).
   [Rule 62-297.310(4)(a)2., F.A.C., and Rule 2.1201, JEPB]

Recordkeeping and Reporting

6. The permittee shall submit quarterly reports of zinc usage to the Permitting Authority on or before the 20th day of the month following each quarter, (January-March), (April-June), (July-September), (October-December).
   [Rule 62-4.070(3), F.A.C., and Rule 2.1401, JEPB]