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**EXECUTIVE DIRECTOR**  
Richard D. Garrity, Ph.D.

ENVIRONMENTAL PROTECTION COMMISSION OF  
HILLSBOROUGH COUNTY, as Delegated by

STATE OF FLORIDA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION

NOTICE OF PERMIT ISSUANCE

CERTIFIED MAIL

Kirk Kempnich  
General Manager  
Industrial Galvanizers America, Inc.  
9520 East Broadway Avenue  
Tampa, FL 33619

File No.: 0570069-017-AO  
County: Hillsborough

Enclosed is Permit Number 0570069-017-AO for the operation of a hot dip zinc galvanizing facility, issued pursuant to Section 403.087, Florida Statutes. Please read this new permit thoroughly as there are changes from the previous permit.

The EPC will issue the final permit with the attached conditions unless a timely petition for an administrative hearing is filed pursuant to Section 120.569 and 120.57 F.S. before the deadline for filing a petition. The procedures for petitioning for a hearing are set forth below.

A person whose substantial interests are affected by the proposed permitting decision may petition for an administrative proceeding (hearing) under Sections 120.569 and 120.57, F.S. The petition must contain the information set forth below and must be filed (received) in the Legal Department of the EPC at 3629 Queen Palm Drive, Tampa, Florida 33619, Phone 813-627-2600, Fax 813-627-2602. Petitions filed by the permit applicant or any of the parties listed below must be filed within 14 (fourteen) days of receipt of this notice of intent. Petitions filed by any persons other than those entitled to written notice under Section 120.60(3), F.S. must be filed within 14 (fourteen) days of receipt of this permit. Under Section 120.60(3), however, any person who asked the EPC for notice of agency action may file a petition within 14 (fourteen) days of receipt of that notice, regardless of the date of publication.

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**Roger P. Stewart Center**  
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Industrial Galvanizers America, Inc.  
Tampa, FL 33619

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Any person listed below may request to obtain additional information, a copy of the application (except for information entitled to confidential treatment pursuant to Section 403.111, F.S.), all relevant supporting materials, and all other materials available to the EPC that are relevant to the permit decision. Interested persons may contact Diana M. Lee, P.E., at the above address or call (813) 627-2600, for additional information.

Any party to this order has the right to seek judicial review of it under Section 120.68 of the Florida Statutes, by filing a notice of appeal under rule 9.110 of the Florida rules of Appellate Procedure with the EPC's Legal Office at 3629 Queen Palm Drive, Tampa, Florida 33619 and with the clerk of the Department of Environmental Protection in the Office of General Counsel, Mail Station 35, 3900 Commonwealth Boulevard, Tallahassee, Florida 32399-3000, and by filing a copy of the notice of appeal accompanied by the applicable filing fees with the appropriate district court of appeal. The notice must be filed within thirty days after this order is filed with the clerk of the Department.

Executed in Tampa, Florida

ENVIRONMENTAL PROTECTION COMMISSION  
OF HILLSBOROUGH COUNTY



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Richard D. Garrity, Ph.D.  
Executive Director

RDG/LAW/law

CERTIFICATE OF SERVICE

This is to certify that this NOTICE OF PERMIT and all copies were mailed before the close of business on May 7, 2014 to the listed persons.

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

Madlin Mishriki 5/7/2014  
Clerk Date



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#### PERMITTEE:

Industrial Galvanizers America, Inc.  
9520 East Broadway Avenue  
Tampa, FL 33619

#### PERMIT/CERTIFICATION

Permit No: 0570069-017-AO  
County: Hillsborough  
Expiration Date: May 7, 2019  
Project: Hot Dip Zinc Galvanizing  
Facility

This permit is issued under the provisions of Chapter 403, Florida Statutes, and Florida Administrative Code Rules 62-204, 62-210, 62-212, 62-296, 62-297, and 62-4. 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 EPC and made a part of hereof and specifically described as follows:

Industrial Galvanizers America, Inc. (IGA) is a hot dip zinc galvanizing facility that coats steel products with a protective zinc coating to control corrosion of the steel and extend the functional life of the coated product. The metal parts are galvanized by using a cleaning/conditioning operation, which is described below.

Steel products are suspended from a crane and move through a series of immersion tanks in order to clean, condition, and galvanize the metal surfaces. The galvanizing operation consists of a caustic dip and spray rinse, acid pickling, rinsing, fluxing, and hot dip galvanizing. Steel entering the galvanizing operation is dipped in an aqueous, hot, caustic solution of NaOH to remove any oils and grease that may interfere with the galvanizing process. This tank is heated by a 0.5 MMBtu/hr natural gas fired heater. As the steel pieces are lifted out of the bath, they are spray-rinsed with water using spray nozzles. The rinsate falls into the tank to replenish the water evaporated due to the heating of the tank.

After rinsing, the cleaned steel is dipped into the first of four ambient temperature, dilute (up to 9%), HCl acid pickling baths to remove scale. The steel is dipped in each bath in succession. Each of the succeeding baths is more dilute than the previous bath. The hydrogen chloride concentration ranges of the four tanks are 7-9%, 5-7%, 1-5%, and 1%, respectively.

After pickling, the steel is rinsed by dipping it in a tank of water prior to fluxing. The fluxing tank contains an aqueous solution of zinc chloride and ammonium chloride. This tank is heated by a single, natural gas, Thermaflow unit, which is a state of the art, submerged combustion heater that has a maximum heat input of 0.75 MMBtu/hr. The HCl used in the acid pickling tanks is exempt

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PERMITTEE:  
Industrial Galvanizers America, Inc.

PERMIT/CERTIFICATION NO.:0570069-016-AO  
PROJECT: Molten Zinc Galvanizing Kettle

SPECIFIC CONDITIONS:

Hillsborough County prior to implementing any changes that may result in a modification to this permit pursuant to Rule 62-210.200(185), F.A.C., Modification. The changes do not include normal maintenance, but may include, and are not limited to, the following, and may also require prior authorization before implementation: [Rules 62-4.070(3) and 62-210.300, F.A.C.]

- A) Alteration or replacement of any equipment or major component of such equipment.
- B) Installation or addition of any equipment which is a source of air pollution.

24. If the permittee wishes to transfer this permit to another owner, an "Application for Transfer of Permit" (DEP Form 62-210.900(7)) shall be submitted, in duplicate, to the Environmental Protection Commission of Hillsborough County within 30 days after the sale or legal transfer of the permitted facility. [Rule 62-4.120, F.A.C.]

25. Prior to sixty days before the expiration of this operating permit, the permittee shall apply for a renewal of the permit using the current version of the permit renewal application form. A renewal application shall be timely and sufficient. If the application is submitted prior to sixty days before the expiration of the permit, it will be considered timely and sufficient. If the renewal application is submitted at a later date, it will not be considered timely and sufficient unless it is submitted and made complete prior to the expiration of the operation permit. When the application for renewal is timely and sufficient, the existing permit shall remain in effect until the renewal application has been finally acted upon by the EPC or, if there is court review of the final agency action, until a later date is required by Section 120.60, Florida Statutes. [Rule 62-4.090, F.A.C.]

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