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**ENVIRONMENTAL PROTECTION COMMISSION OF  
HILLSBOROUGH COUNTY, as Delegated by**

**STATE OF FLORIDA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION**

**NOTICE OF PERMIT ISSUANCE**

**CERTIFIED MAIL**

Jeffrey M. Ames, VP  
Tampa Steel Erecting Company  
5127 Bloomingdale Avenue  
Tampa, Florida 33619

File No.: 0570324-013-AF  
County: Hillsborough

Enclosed is revised Permit Number 0570324-013-AF for the abrasive grit blasting and coating of fabricated steel structures, 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 Dr, 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.

A petitioner shall mail a copy of the petition to the applicant at the address indicated above, at the time of filing. The failure of any person to file a petition within the appropriate time period shall constitute a waiver of that person's right to request an administrative determination (hearing) under Sections 120.569 and 120.57, F.S., or to intervene in this proceeding and participate as a party

to it. Any subsequent intervention will be only at the approval of the presiding officer upon the filing of a motion in compliance with Rule 28-106.205 of the F.A.C.

A petition that disputes the material facts on which the EPC's action is based must contain the following information:

- (a) The name and address of each agency affected and each agency's file or identification number if known;
- (b) The name, address, and telephone number of the petitioner and the name, address, and telephone number of each petitioner's representative, if any, which shall be the address for service purposes during the course of the proceedings; and an explanation of how the petitioner's substantial interests will be affected by the EPC's determination;
- (c) A statement of how and when the petitioner received notice of the EPC action;
- (d) A statement of all disputed issues of material fact. If there are none, the petition must so indicate;
- (e) A concise statement of the ultimate facts alleged, including the specific facts the petitioner contends warrant reversal or modification of the EPC's proposed action;
- (f) A statement of specific rules or statutes the petitioner contends requires reversal or modification of the EPC's proposed action, including an explanation of how the alleged facts relate to the specific rules or statutes; and
- (g) A statement of the relief sought by the petitioner, stating precisely the action petitioner wishes the EPC to take with respect to the EPC's proposed action.

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

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

Mediation under section 120.573, F.S. is not available in this proceeding.

This action is final and effective on the date filed with the Clerk of the EPC unless a petition is filed in accordance with above. Upon the timely filing of a petition, this order will not be effective until further order of the EPC.

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.

Tampa Steel Erecting Company  
Tampa, FL 33605

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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 Dr, 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

  
Janet L. Dougherty  
Executive Director

cc: Omana Taylor, P.E., ETG, Inc. (via e-mail)

CERTIFICATE OF SERVICE

The undersigned duly designated deputy agency clerk hereby certifies that this Air Permit package was sent by electronic mail, or a link to these documents made available electronically on a publicly accessible server, with received receipt requested before the close of business on the date indicated below to the following persons.

Jeffrey Ames – Tampa Steel Erecting Co. [jeff@tampasteelerecting.com](mailto:jeff@tampasteelerecting.com)  
Ross Wallace - Tampa Steel Erecting Co. [ross@tampasteelerecting.com](mailto:ross@tampasteelerecting.com)  
Omana Taylor, P.E. - ETG, Inc. [omana@comcast.net](mailto:omana@comcast.net)

Clerk Stamp

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



Clerk

11/17/2015

Date



**COMMISSION**

Kevin Beckner      Lesley "Les" Miller, Jr.  
Victor D. Crist     Sandra L. Murman  
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**EXECUTIVE DIRECTOR**  
Janet L. Dougherty

**PERMITTEE:**

Tampa Steel Erecting Company  
5127 Bloomingdale Avenue  
Tampa, Florida 33619

**PERMIT/CERTIFICATION**

Permit No.: 0570324-013-AF  
Expiration Date: April 7, 2020  
County: Hillsborough  
Project: Structural Steel Fabricating 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 hereof and specifically described as follows:

This permit incorporates Air Construction (AC) Permit No. 0570324-012-AC, which authorized the use of staurolite sand (non-silica sand) as an alternative blasting media to coal slag for the hand-held blasting operation. In addition, the facility is authorized to perform the spray coating operation and the hand-held blasting operation in any of the buildings onsite. Tampa Steel Erecting Company is a structural steel fabricating facility that includes abrasive blasting, welding, and spray coating activities. The process begins by blasting the metal components with either one of the two blasting machines or with hand-held grit blasting nozzles.

The facility operates two Wheelabrator blasting machines which use steel shot as the abrasive material. Particulate matter emissions generated from the larger machine, Wheelabrator No. 1, are controlled with two parallel dust collectors, a 9,000 DSCFM, Wheelabrator-Frye, Model No. 126-D, baghouse and a 4,000 DSCFM, Torit, Model No. 49PJD, dust collector. Both dust collectors operate when Wheelabrator No. 1 is in operation. The smaller machine, Wheelabrator No. 2, which is used for smaller metal pieces, is controlled by one 5,000 DSCFM, B.C.P., Model No. 15, dust collector.

Alternatively, the metal components that cannot be blasted in the Wheelabrator blasting machines, or which require spot-blasting, are blasted with hand-held blasting nozzles. These metal components are moved into either the grit blasting and coating building or the small Wheelabrator/large Wheelabrator/fabrication buildings. Dry abrasive blasting is performed in these buildings using staurolite sand or coal slag as the abrasive grit material. Each blasting area within the buildings is required to be enclosed with tarps and/or barriers that have a minimum shade factor of 70%.

The staurolite sand or the coal slag is stored in two storage silos. One silo is located outside of the north side of the grit blasting and coating building. The second silo is located inside the south side of the grit blasting and coating building. Particulate matter emissions from loading the outside silo are controlled by venting the dust-laden air into a water immersing trap.

*An agency with values of environmental stewardship, fairness, and cooperation*

**Roger P. Stewart Center**

**3629 Queen Palm Drive, Tampa, FL 33619 - (813) 627-2600 - [www.epchc.org](http://www.epchc.org)**

*An Affirmative Action / Equal Opportunity Employer*

After blasting, a base coat is applied to the metal components, as needed. The coating can be applied in any of the buildings listed above and are applied using hand-held airless spray guns. The metal components are welded together as needed using either Submerged Arc Welding, or Flux Cord Welding. The submerged arc process uses a flux and carbon steel wire and the flux cord process uses tubular wire, where the flux is inside the wire, and CO2 is used as a shielding gas. Small pieces and spot welds are done using stick or welding rods.

The spent steel shot from the Wheelabrators, the spent coal slag, and the spent staurolite sand are stored in a 3-walled bin onsite and is periodically disposed of by a licensed agent. A plastic liner is underneath the bin and a berm is used to prevent stormwater runoff. The waste paints and cleanup materials generated by the operation are collected by a licensed agent. The spray guns are cleaned with acetone, which is recovered in a still located onsite.

The facility is subject to Rules 62-296.513, F.A.C. - Surface Coating of Miscellaneous Metal Parts and Products and 62-296.712, F.A.C. - Miscellaneous Manufacturing Process Operations. In addition, the facility is subject to 40 CFR 63, Subpart XXXXXX - National Emission Standards for Hazardous Air Pollutants Area Source Standards for Nine Metal Fabrication and Finishing Source Categories, however, the State of Florida has not adopted the federal regulation into the Florida Administrative Code.

Location: 5127 Bloomingdale Avenue, Tampa, Hillsborough County

UTM: 17- 362.00 E and 3089.20 N

Facility ID No.: 0570324

Emission Unit ID No.: 001 - Surface Coating Operations

003 - Abrasive Blasting

Emission Point (EP) 1 - Abrasive Blasting and Coating Building

EP 3 - Fabrication/Wheelabrator Buildings

EP 5 - Outside Storage Silo

004 – Two Wheelabrator Shot Blasting Machines

SPECIFIC CONDITIONS:

1. A part of this permit is the attached General Conditions. [Rule 62-4.160, F.A.C.]
2. Issuance of this permit does not relieve the permittee from complying with applicable emission limiting standards or other requirements of Chapters 62-204, 62-210, 62-212, 62-296 and 62-297, F.A.C., or any other requirements under federal, state, or local law. [Rule 62-210.300, F.A.C.]
3. All applicable rules of the Environmental Protection Commission of Hillsborough County including design discharge limitations specified in the application shall be adhered to. The permit holder may also need to comply with county, municipal, federal, or other state regulations prior to construction. [Rule 62-4.070(7), F.A.C.]
4. The use of property, facilities, equipment, processes, products, or compounds, or any other act that causes or materially contributes to a public nuisance is prohibited, pursuant to the Hillsborough County Environmental Protection Act, Section 16, Chapter 84-446, Laws of Florida, as Amended.

Surface Coating Operation

5. As requested by the permittee, in order to limit the potential to emit and establish the facility as a Synthetic Non-Title V Source for both Volatile Organic Compound (VOCs) and Hazardous Air Pollutants (HAP), the following emission limitation shall apply: [Rules 62-296.320, 62-296.513, and 62-4.070(3), F.A.C.]
  - A) VOC emissions from the surface coating operations shall not exceed 48.4 tons per any 12 consecutive month period;
  - B) HAP, as defined in Rule 62-213.200, F.A.C., emissions shall be less than 10 tons in any 12 consecutive month periods for any individual HAP, and less than 25 tons in any 12 consecutive month periods for the total of all HAPs combined.
6. The allowable volatile organic compound emissions from the coating(s) shall not exceed 3.5 pounds of VOC per gallon mixture of coatings, binders, fillers and thinners, excluding water, delivered to a coating applicator in a coating application system that is air dried or forced warm air dried at temperatures up to 194° F. [Rule 62-296.513(2)(a)2., F.A.C.]
7. All volatile organic compound emissions from cleanup solvent(s) shall be considered in the emission limitation of Specific Condition No. 6, unless the solvent is directed into containers that prevent evaporation into the atmosphere. [Rule 62-296.513(2)(c), F.A.C.]
8. In order to ensure compliance with Specific Condition Nos. 5, 6, and 7, the following restrictions and limitations shall apply: [Rules 62-4.070(3) and 62-210.200 – “Potential to Emit”, F.A.C.]

SPECIFIC CONDITIONS:

- A) The amount of coating(s), as applied, and coating solvent(s) used during any consecutive 12 month period shall not exceed the following:

<b>Material</b>	<b>Usage/Throughput (gallons)</b>
Coating(s)	17,589
Coating Solvent(s)	4,620

- B) The addition of a solvent or thinner to the coating(s) is permitted to the extent to make the coating(s) usable, but in no case shall the VOC content of the coating(s), as applied, exceed the standard as specified in Specific Condition No. 6;
- C) The spray coating operation shall be performed only inside a building with an impervious layer to prevent paint overspray and solvents from entering the soil and contaminating the ground water;
- D) The permittee is authorized to perform solvent clean up operations;
- E) The permittee shall not perform clean up or degreasing operations as described in 40 CFR 63, Subpart T (using halogenated solvents);
- F) A material safety data sheet for each coating and solvent shall be maintained on site and made available upon request to any local, state, or federal air pollution agency;
- G) The permittee shall collect on a regular basis and dispose of or recycle the soiled waste rags/papers with the overspray paint through a licensed agent.

9. Compliance with Specific Condition No. 6 shall be determined using EPA Method 24 contained in 40 CFR 60, Appendix A and adopted by reference in Rule 62-297, F.A.C. The EPC will accept, instead of the coating analysis methods required under Rules 62-296.500(2)(b)2. and 3., F.A.C., a certification by the coating manufacturer of the composition of the coating if it is supported by actual batch formulation records. The manufacturer's certification shall be consistent with EPA's document number 450/3-84-019, titled, "Procedures for Certifying Quantity of Volatile Organic Compounds Emitted by Paint, Ink, and Other Coatings". The certifications shall be kept on site for each material and made available upon request to the Environmental Protection Commission of Hillsborough County. [Rule 62-296.500(2)(b)4., F.A.C.]

10. The permittee shall not store, handle, process, or use in any process the volatile organic compounds or organic solvents without applying known and existing vapor emission control devices or systems as follows and as deemed necessary and ordered by the Environmental Protection Commission of Hillsborough County: [Rule 62-296.320(1)(a), F.A.C.]

- A) Maintain tightly fitting cover, lids, etc. on all containers when they are not being handled, tapped, etc;

**SPECIFIC CONDITIONS:**

- B) Where possible and practical, procure/fabricate a tightly fitting cover for any open trough, basin, etc. of VOC so that it can be covered when not in use;
- C) Immediately attend to all spills/waste as appropriate;
- D) Use portable screens or other barriers to totally enclose the painting area(s) to prevent paint overspray as necessary. The screens and/or barriers shall have a minimum shade factor of 70%;
- E) Use only airless spray applicators;
- F) Use high solids coatings whenever they are available and they meet the customer's specifications.

11. In order to demonstrate compliance with Specific Condition Nos. 6, 7, and 8, the permittee shall maintain daily records of the surface coating operation, inventory records, and other data necessary to substantiate daily coating(s) and solvent usage. These records shall be maintained onsite and made available to the Environmental Protection Commission of Hillsborough County, state or federal air pollution agency upon request and kept on file for at least three years. The records shall include, but not limited to, the following: [Rules 62-4.160(14)(b) and 62-296.500(2)(b), F.A.C.]

- A) Day, month, year;
- B) Type and amount of coating and clean up solvent used (in gals.);
- C) Application method and substrate type;
- D) VOC and HAP content of coating(s) and solvent(s) as applied and/or used;
- E) Monthly summary of the coating and solvent usage (in gallons), individual HAP species and total HAP emissions, and the total VOC emissions (in tons);
- F) Net individual HAP, total HAP, and total VOC emissions generated during the previous twelve (12) calendar months (in tons);

Abrasive Blasting Operation

12. The maximum allowable particulate matter (PM) emissions from the steel shot blasting machines (EU 004) shall not exceed 0.03 grains per dry standard cubic feet (gr/dscf). In addition, the potential PM emissions (tons/year) shall not exceed the following: [Rules 62-210.200 – “Potential to Emit” and 62-296.712(2), F.A.C.]

<b>Emission Source</b>	<b>Air Flow (dscfm)</b>	<b>gr/dscf</b>	<b>PM Emissions (tons/year)</b>
Wheelabrator #1 (BH:126-D)	9,000	0.03	10.1
Wheelabrator #1 (BH:49PJD)	4,000	0.03	4.5
Wheelabrator #2 (BH:Model 15)	5,000	0.03	5.6

SPECIFIC CONDITIONS:

13. The visible emissions from the exhaust of each dust collector that controls PM emissions from the Wheelabrator Shot Blasting Machines (EU 004) shall not exceed 5% opacity. [Rules 62-4.070(3), F.A.C. and 62-296.712(2), F.A.C. and Chapter 1-3.51, Rules of the EPC]
14. The visible emissions from the loading of the abrasive storage silo located outside of the north grit blasting and coating building shall not exceed 5% opacity, and the visible emissions from the abrasive blasting activities including any openings at any of the buildings shall not exceed 20% opacity. [Rule 62-4.070(3), F.A.C., 62-296.320(4)(b) and 62-296.712(2), F.A.C., and Chapter 1-3.51, Rules of the EPC]
15. In order to demonstrate continuous compliance with Specific Conditions Nos. 12, 13 and 14, the permittee shall: [Rule 62-4.070(3), and 62-210.200 – “Potential to Emit”, F.A.C.]
- A) Use only staurolite sand or coal slag abrasives as the blast media for the abrasive blasting operation (EU 003).
  - B) The combined amount of new staurolite sand and coal slag shall not exceed 5,000 tons in any 12 consecutive month period.
  - C) For the Abrasive Blasting and Coating Building (EU 003, EP 1) the maximum number of blasting nozzles that can operate simultaneously shall not exceed sixteen (16) and be no larger than ½” bore;
  - D) For the Small Wheelabrator Building, the Large Wheelabrator Building, and the Fabrication Building (EU 003, EP 3), the maximum number of blasting nozzles that can operate simultaneously shall not exceed two (2) nozzles per building and be no larger than ½” bore.
  - E) All dust-laden air displaced during the silo loading activities shall be vented through the water immersing trap.
  - F) No spent abrasive blast media (EU 003) shall be reused.
  - G) All the blasting activities shall be performed in a building with the use of tarps and/or barriers to totally enclose the blasting activities to prevent unconfined particulate matter emissions. No unconfined blasting shall be allowed. The tarps and/or barriers shall have a minimum shade factor of 70%.
  - H) The permittee shall conduct all blasting from the top of the part down, and shall blast with the nozzle directed downward in order to control airborne emissions except when blasting beneath the part or when it is physically impractical.
  - I) The permittee shall require all blasting operators to be trained on procedures which minimize airborne emissions of blasting materials. Records of training (when it was offered and who attended) will be maintained and made available for inspectors of the Environmental Protection Commission of Hillsborough County upon request.

SPECIFIC CONDITIONS:

16. All reasonable precautions shall be taken to prevent and control generation of unconfined emissions of particulate matter in accordance with the provision in Rule 62-296.320, F.A.C. These provisions are applicable to any source, including, but not limited to, vehicular movement, transportation of materials, construction, alterations, demolition or wrecking, or industrial related activities such as loading, unloading, storing and handling. Reasonable precautions shall include, but not be limited to, the following: [Rules 62-4.070(3) and 62-296.320, F.A.C.]

- A) The permittee shall use only manual sweeping and vacuum systems to cleanup spent blasting materials. No blowers are permitted.
- B) The permittee shall wet the grounds as necessary to prevent fugitive emissions.
- C) To minimize the potential impact of the abrasive media storage to the soil, berms or dikes should be used to minimize the effect of material run-off from the building(s). The permittee shall also coat the spent abrasive media as needed to minimize fugitive emissions.
- D) All solid waste shall be recycled or disposed of in a permitted Class I or II landfill or other facility approved by the Environmental Protection Commission of Hillsborough County. Receipt of disposal shall be maintained on site for a period of two years and be made available to inspectors upon request.

17. Test the following sources for opacity annually once per calendar year (January 1 – December 31) and submit two copies of the test data to the Air Management Division of the Environmental Protection Commission of Hillsborough County within forty-five (45) days of such testing. Testing procedures shall be consistent with the requirements of Rule 62-297.340, F.A.C. [Rules 62-296.712(3) and 62-297.310(8)(a)3., F.A.C.]

- A) The buildings which house the two (2) Wheelabrator shot blasting machines (EU 004)
- B) The three baghouses associated with the Wheelabrator shot blasting machines (EU 004)
- C) The abrasive blasting and coating building (EP 1 of EU 003)
- D) The fabrication/wheelabrator buildings (EP 3 of EU 003)
- E) The outside storage silo (EP 5 of EU 003)

18. Compliance with the emission limitations of Specific Condition Nos. 13 and 14 shall be determined using EPA Method 9 contained in 40 CFR 60, Appendix A and adopted by reference in Rule 62-297, F.A.C. The visible emissions test shall be conducted by a certified observer and be a minimum of thirty (30) minutes in duration. The test observation period shall include the period during which the highest opacity can reasonably be expected to occur. The minimum requirements for stack sampling facilities, source sampling and reporting, shall be in accordance with Rule 62-297, F.A.C. and 40 CFR 60, Appendix A. [Rules 62-296.712(3)(a) and 62-297.310(5)(b), F.A.C.]

19. Testing of emissions shall be conducted with the source operating at capacity. Capacity for the Wheelabrator shot blasting operation is defined as using 356,000 lbs/hr of steel shot for Wheelabrator

Tampa Steel Erecting Company  
Tampa, Florida

PERMIT No.: 0570324-013-AF  
PROJECT: Structural Steel Fabricating Facility

SPECIFIC CONDITIONS:

No. 1 and 110,000 lbs/hr of steel shot for Wheelabrator No. 2. Capacity for abrasive blasting inside the Abrasive Blasting and Coating Building (EP 1 of EU 003) is defined as blasting with 16 nozzles operating simultaneously. Capacity for abrasive blasting in any of the buildings (EP 3 of EU 003), is defined as blasting with two nozzles operating simultaneously per building. Capacity for the silo loading operation (EP 5 of EU 003) is defined as actively loading the silo. If it is impracticable to test at capacity, then the source may be tested at less than capacity; in this case subsequent source operation is limited to 110% of the test load until a new test is conducted. Once the unit is so limited, then operation at higher capacities is allowed for no more than 15 fifteen days for purposes of additional compliance testing to regain the rated capacity in the permit, with prior notification to the EPC. Failure to submit the actual operating conditions, including the number of blasting nozzles used and the pressure differential across the dust collector(s), may invalidate the test. [Rules 62-4.070(3) and 62-297.310(3), F.A.C.]

20. At least 15 days prior to the date on which each required emissions test is to begin, the permittee shall notify the Air Compliance Section of the Environmental Protection Commission of Hillsborough County (EPC). The notification shall include the date, time, place of each such test, Facility ID Number, Emission Unit ID Number(s) and description(s), Emission Point Number(s) and description(s), test method(s), pollutant(s) to be tested, along with the name and telephone number of the person who will be responsible for conducting such test(s) for the owner or operator. If a scheduled emissions test needs to be re-scheduled, the owner or operator shall submit to the Air Compliance Section of the EPC a revised notification at least seven days prior to the re-scheduled emissions test date or arrange a re-scheduled test date with the Air Compliance Section of the EPC by mutual agreement. [Rule 62-297.310(9), F.A.C.]

21. When the Environmental Protection Commission of Hillsborough County (EPC) after investigation, has good reason (such as complaints, increased visible emissions, or questionable maintenance of control equipment) to believe that any applicable emission standard contained in Rules 62-204, 62-210, 62-212, 62-296, or 62-297, F.A.C., or in a permit issued pursuant to those rules is being violated, it shall require the owner or operator of the source to conduct compliance tests which identify the nature and quantity of pollutant emissions from the source and to provide a report on the results of said tests to the EPC. [Rule 62-297.310(8)(c), F.A.C.]

22. In order to demonstrate compliance with Specific Condition Nos. 12 and 15, the permittee shall maintain records of operations for at least three years from the date of measurement. The records shall be made available to the Environmental Protection Commission of Hillsborough County, State, or Federal air pollution agency upon request. The records shall include, but not be limited to, the following: [Rules 62-4.070(3), and 62-4.160(14)(b), F.A.C.]

- A) Day, Month
- B) Amount of steel shot used in the Wheelabrator shot blasting operation
- C) Amount of abrasive blasting media used during the blasting operation

SPECIFIC CONDITIONS:

D) Rolling twelve (12) month totals of B) and C) above

23. In order to provide reasonable assurance that the pollution control equipment (baghouses) shall be maintained in good repair to perform adequately the function for which it was intended, the permittee shall comply with the attached Operation and Maintenance Plan. Maintenance shall include, but is not limited to, the following and shall include replacement or repair of faulty equipment when necessary or as required by the manufacturer. [Rules 62-62-4.070(3) and 62-296.700(6), F.A.C.]

A) An Operation and Maintenance (O&M) Plan for EU 004 – Two (2) Wheelabrator Shot Blasting Machines is attached as part of this permit (see Attachment A). The permittee shall operate and maintain the control devices according to the O&M Plan.

B) Any maintenance/repair performed should be recorded. Records shall be maintained for the most recent 24 month period and made available for inspection upon request.

24. By April 1 of the year following each calendar year, an annual operating report (AOR) shall be submitted to the Environmental Protection Commission of Hillsborough County (EPC). However, if the annual operating report is submitted using the DEP's electronic annual operating report software, there is no requirement to submit DEP Form No. 62-210.900(5) to the EPC. [Rule 62-210.370(3)(c), F.A.C.]

25. If the permittee wishes to transfer this permit to another owner, an "Application for Transfer of Air 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.]

26. The permittee shall provide timely notification to the Environmental Protection Commission of Hillsborough County prior to implementing any changes that may result in a modification to this permit pursuant to Rule 62-210.200, 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 62-210.300 and 62-4.070(3), 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;

\*Not applicable to routine maintenance, repair, or replacement of component parts of an air emissions unit.

27. Prior to 60 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 and submit the most recent 3 months of records required by this permit. 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

Tampa Steel Erecting Company  
Tampa, Florida

PERMIT No.: 0570324-013-AF  
PROJECT: Structural Steel Fabricating Facility

SPECIFIC CONDITIONS:

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. [Rules 62-4.090, F.A.C. and 62-4.070(3), F.A.C.]

ENVIRONMENTAL PROTECTION COMMISSION  
OF HILLSBOROUGH COUNTY

  
Janet L. Dougherty  
Executive Director

**Attachment A**

**Operation & Maintenance Plan for Wheelabrator Blasting**

## **Wheelabrator No. 1 (two baghouses)**

### **Process Parameters:**

1. Source Designators: Wheelabrator #1
2. Control Device: Baghouse (Wheelabrator-Frye)
3. Baghouse Serial Number: A-131060
4. Model Number: 126-D
5. Design Flow Rate: 9,000 cfm
6. Monitoring Device: Manometer
7. Pressure drop range: 0 to 6 inches of water
8. Efficiency Rating at Design Capacity: 99.9%
9. Air to Cloth Ratio: 3.8:1
10. Number of Bags: 168 (2352 ft<sup>2</sup>)
11. Bag Cleaning Conditions: Shaker (duration -10 sec., frequency-2/day)
12. Gas Temperatures: Ambient
13. Stack Height above Ground: 20 ft
14. Material Handling Rate: 337,200 lbs/hr
15. Operation Schedule: 24 hrs per day/7 days per week/52 weeks per year

### **Process Parameters:**

1. Source Designators: Wheelabrator #1
2. Control Device: Baghouse (Torit)
3. Baghouse Serial Number: IC309247
4. Model Number: 49PJD
5. Design Flow Rate: 4,000 cfm
6. Monitoring Device: Manometer
7. Pressure drop range: 0 to 6 inches of water
8. Efficiency Rating at Design Capacity: 99.9%
9. Air to Cloth Ratio: 8.2:1
10. Number of Bags: 49 (483 ft<sup>2</sup>)
11. Bag Cleaning Conditions: Reverse Air (duration -5 sec., frequency-automatic)
12. Gas Temperatures: Ambient
13. Stack Height above Ground: 20 ft
14. Material Handling Rate: 337,200 lbs/hr
15. Operation Schedule: 24 hrs per day/7 days per week/52 weeks per year

## **Wheelabrator No. 2**

### **Process Parameters:**

1. Source Designators: Wheelabrator #2
2. Control Device: Baghouse (B.C.P)
3. Baghouse Serial Number: SN/90-5755-1
4. Model Number: Model 15
5. Design Flow Rate: 5,000 cfm
6. Monitoring Device: Manometer

7. Pressure drop range: 0 to 6 inches of water
8. Efficiency Rating at Design Capacity: 99.9%
9. Air to Cloth Ratio: Cartridge type (1.6:1)
10. Number of Bags: 15 Cartridges (208 sq ft x 15 = 3120 ft sq)
11. Bag Cleaning Conditions: Manual Reverse Air (duration 5-10 sec., frequency -2/day)
12. Gas Temperatures: Ambient
13. Stack Height above Ground: 20 ft
14. Material Handling Rate: 91,200 lbs/hr
15. Operation Schedule: 24 hrs per day/7 days per week/52 weeks per year

### **Schedule of Maintenance Inspections for all baghouses**

#### **Daily Maintenance**

1. Empty hoppers
2. Check and record the differential pressure readings on each baghouse when in operation
3. Check for visible emissions from the dust collector and record any corrective actions taken
4. Shake or pulse at least twice daily

#### **Quarterly Maintenance**

1. Thoroughly inspect bags and filter cartridges
2. Check ducts for dust build-up
3. Check the differential pressure manometers for plugged lines
4. Check operation/general condition of pulse or shaker
5. Check fan motors and drive belts for wear and proper tension
6. Check bolts, welds, and overall condition of hoppers
7. Keep written records of maintenance checks

## ATTACHMENT - 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, Florida Statutes (F.S.). The permittee is placed on notice that the Department 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 Department.
3. As provided in subsections 403.087(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 Department permit that may be required for other aspects of the total project which are not addressed in this permit.
4. Not applicable to Air Permits.
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 Department rules, unless specifically authorized by an order from the Department.
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, are required by Department 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 Department rules.
7. The permittee, by accepting this permit, specifically agrees to allow authorized Department 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 reasonable necessary to assure compliance with this permit or Department 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 Department 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 Department for penalties or for revocation of this permit.

## ATTACHMENT - GENERAL CONDITIONS

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 Department may be used by the Department as evidence in any enforcement case involving the permitted source arising under the Florida Statutes or Department rules, except where such use is prescribed by Section 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 Department 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 Department rules.

11. This permit is transferable only upon Department approval in accordance with Rule 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 Department.

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)
- 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 Department rules. During enforcement actions, the retention period for all records will be extended automatically unless otherwise stipulated by the Department.
- 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 Department 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 dates 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 Department, 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 Department, such facts or information shall be corrected promptly.

16. Not applicable to Air Permits.

17. Not applicable to Air Permits.