

COMMISSION

Kevin Beckner      Lesley "Les" Miller, Jr.  
Victor D. Crist      Sandra L. Murman  
Ken Hagan            Stacy White  
Al Higginbotham



DIVISION DIRECTORS

Legal & Admin.      Richard Tschantz, Esq.  
Air Management      Jerry Campbell, P.E.  
Waste Management      Hooshang Boostani, P.E.  
Water Management      Sam Elrabi, P.E.  
Wetlands Management      Scott Emery, Ph.D.

EXECUTIVE DIRECTOR

Janet Dougherty

ENVIRONMENTAL PROTECTION COMMISSION OF  
HILLSBOROUGH COUNTY, as Delegated by

STATE OF FLORIDA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION

NOTICE OF PERMIT

Mr. Jeff Cook  
President  
Custom Fabrication, Inc.  
2604 Highway 92 East  
Plant City, FL 33566

Re: Hillsborough County - AP

Dear Mr. Cook,

Enclosed is Permit No. 0571016-010-AC to modify the miscellaneous metal parts abrasive blasting operation, issued pursuant to Section 403.087, Florida Statutes. This permit authorizes the addition of a second blasting nozzle (a hand-held blasting unit) and the use of black beauty as an alternative to sand.

Any party to this order (permit) has the right to seek judicial review of the permit pursuant to Section 120.68, Florida Statutes, by the filing of a Notice of Appeal pursuant to Rule 9.110, Florida Rules of Appellate Procedure, with the Clerk of the EPC in the Legal Department at 3629 Queen Palm Dr, Tampa, FL, 33619; 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 of Appeal must be filed within 30 days from the date this Notice is filed with the clerk of the EPC.

Executed in Tampa, Florida.

Sincerely,

Janet Dougherty  
Executive Director

JD/KRZ/krz

TECHNICAL EVALUATION  
AND  
PRELIMINARY DETERMINATION  
FOR

Custom Fabrication, Inc.

Hillsborough County

Air Construction Permit

Application Number

0571016-010-AC

Environmental Protection Commission of

Hillsborough County

Tampa, FL

July 10, 2015

## I. Project Description

A. Applicant: Mr. Jeff Cook  
President  
Custom Fabrication, Inc.  
2604 Highway 92 East  
Plant City, FL 33566

B. Engineer: Cory Houchin, P.E.  
Environmental Sciences Group  
P.O. Box 7495  
Tampa, FL 33673

P.E. No.: 58064

### C. Project and Location:

This permit authorizes to add a second blasting nozzle (a hand-held blasting unit) and to use black beauty as an alternative to sand. There are no changes to the currently permitted abrasive usage limit.

This project has been assigned the following NEDS Source Classification Code No. 3-09-002-01 for abrasive blasting operations. The Standard Industrial Code for the project is No. 34. The project is located at 2604 Highway 92 East in Plant City, FL 33566. UTM coordinates for the facility are 17-392.4 E and 3100.1 N.

### D. Process and Controls:

Custom Fabrication operates a miscellaneous metal parts blasting and coating operation facility. Metal parts are blasted in a designated blasting building. The building has two solid steel sides and the remaining two sides are equipped with screened doors to control particulate matter emissions. The abrasive material (sand or black beauty) is pumped from the truck into the silo via a pneumatic pump. The abrasive material flows up the side of the silo through a steel pipe and into the top of the silo. During the blasting operation, sand or black beauty is gravity fed into the blast pot where it is pneumatically pressurized. The pressurization and air flow from the bottom of sandblast pot allows the abrasives to be pushed through the blast hose and onto the steel surface by the blasting nozzles. Compressed air for the blasting operation is provided by an electric air compressor to the blasting nozzles. The storage silo has a fiberglass cartridge filtration device to control particulate matter (PM) emissions from the silo loading operations.

After blasting, the metal parts are spray coated using two air-assisted spray guns and/or two airless spray guns. The spray coating operation is performed inside a designated partially enclosed paint building. The coated parts are air dried at ambient temperature. The paint overspray is captured by sand on the impermeable shop floor which is disposed periodically.

Particulate matter (PM) emissions from the abrasive blasting operation are minimized by use of screens and barriers around the blasting area (total enclosure) and by limits on the blast media usage. PM emissions from the storage silo are limited by the use of a cartridge filter device and

limitations on the loading pressure. The opacity limit on the silo loading operation is 5% opacity pursuant to Rule 1-3.52, Rules of the EPC. The visible emissions limit on the abrasive blasting operation is 20% opacity per Rule 62-296.320(4)(b)1., F.A.C. The facility-wide potential to emit (PTE) PM emissions from the silo loading and the blasting operation are 9.9 TPY.

E. Application Information:

Received on: June 9, 2015  
Information Requested: N/A  
Application Complete: June 9, 2015

## II. Rule Applicability

This project is subject to the preconstruction review requirements of Chapter 403, Florida Statutes, Chapters, 62-204, 62-210, 62-212, 62-296, and 62-297, Florida Administrative Code (F.A.C.) and Chapter 1-3 of the Rules of the Environmental Protection Commission of Hillsborough County.

This project is subject to the requirements of Rule 62-212.300, General Preconstruction Review Requirements, F.A.C., since the project is a proposed modification of the facility for which an air construction permit is required.

This project is not subject to the requirements of Rule 62-212.400, Prevention of Significant Deterioration, F.A.C. or Rule 62-212.500, New Source Review for Nonattainment Areas, F.A.C., since the facility is minor by state definition.

This project is subject to the requirements of Rule 62-296.320, General Pollutant Emission Limiting Standards, F.A.C., since the facility is a source of Particulate Matter and Volatile Organic Compounds (VOC) emissions, and a potential source of odor.

This project is not subject to the requirements of Rule 62-296.401 through 62-296.417, Specific Emission Limiting and Performance Standards, F.A.C., since there is no specific source category.

This project is not subject to the requirements of Rule 62-296.500, Volatile Organic Compounds and Nitrogen Oxide Reasonably Available Control Technology, F.A.C., since there is not an applicable source specific category in this rule.

This project is not subject to the requirements of Rule 62-296.600, Reasonably Available Control Technology, F.A.C., since there is no specific source category.

This project is not subject to the requirements of Rule 62-296.700, Reasonably Available Control Technology, F.A.C., since the facility's particulate matter emissions are less than 5 lbs/hr and 15 tons/year.

This project is not subject to the requirements of Rule 62-204.800, Federal Regulations Adopted by Reference, F.A.C., since there is no applicable source specific category in this rule.

This project is subject to the requirements of Chapter 84-446, Laws of Florida and Chapter 1-3, Rules of the Environmental Protection Commission of Hillsborough County.

### III. Summary of Emissions

<b>Emission Units</b>	<b>Regulated Pollutant</b>	<b>Actual Emissions* (TPY)</b>	<b>PTE (TPY)</b>	<b>Increase (TPY)</b>	<b>Allowable Emissions</b>
002 - Abrasive Blasting Operation	PM	1.1	9.8	8.7	20% opacity
003 – Abrasive Storage Silo	PM	0.01	0.1	0.09	5% opacity

\*Based on average of 2013 and 2014 AORs

PM emissions from the abrasive blasting operation were estimated using an emission factor of 0.041 ton/ton for sand (the worst case scenario) from STAPPA-ALAPCO, 800 tons of sand/year and a 70% control efficiency for the building enclosure.

PM emissions from the silo loading were estimated using an emission factor of 0.73 lb/ton from AP-42, Table 11.12-2, 800 tons of sand/year and an 80% control efficiency for the fiberglass cartridge filter.

Inventory of Title III pollutants is estimated to be less than 10 TPY (none) individually and less than 25 TPY (none) collectively.

### IV. Conclusions:

The emission limits proposed by the applicant will meet all of the requirements of Chapters 62-204, 62-210, 62-212, 62-296, and 62-297, F.A.C., and Chapter 1-3, Rules of the Commission.

The General and Specific Conditions listed in the proposed permit (attached) will assure compliance with all the applicable requirements of Chapters 62-204, 62-210, 62-212, 62-296, and 62-297, F.A.C.

### V. Proposed Agency Action:

Pursuant to Section 403.087, Florida Statutes and Rule 62-4.070, Florida Administrative Code the Environmental Protection Commission of Hillsborough County hereby gives notice of its intent to issue a permit to construct the aforementioned air pollution source in accordance with the revised draft permit and its conditions as stipulated (see attached).

## WRITTEN NOTICE OF INTENT TO ISSUE AIR PERMIT

*In the Matter of an  
Application for Air Permit by:*

Custom Fabrication, Inc.  
2604 Highway 92 East  
Plant City, FL 33566

Project No. 0571016-010-AC  
Minor Air Construction Permit  
Hillsborough County, Florida

*Authorized Representative:*  
Jeff Cook

*Additional Blasting Media - Black Beauty  
and Second Blasting Nozzle*

**Facility Location:** Custom Fabrication, Inc. operates a miscellaneous metal parts blasting and coating operation facility located in Hillsborough County at 2604 Highway 92 East, Plant City, FL 33566.

**Project:** This project authorizes the addition of a second blasting nozzle (a hand-held blasting unit) and the use of black beauty as an alternative to sand. Particulate matter emissions will be controlled through the use of tarps and/or barriers and limitations on material usage.

**Permitting Authority:** Applications for air construction and operation permits are subject to review in accordance with the provisions of Chapter 403, Florida Statutes (F.S.) and Chapters 62-4, 62-210 and 62-212 of the Florida Administrative Code (F.A.C.). The proposed project is not exempt from air permitting requirements and an air permit is required to perform the proposed work. The Permitting Authority responsible for making a permit determination for this project is the Environmental Protection Commission of Hillsborough County. The Permitting Authority's physical address is: 3629 Queen Palm Dr., Tampa, FL 33619. The Permitting Authority's mailing address is: 3629 Queen Palm Dr., Tampa, FL 33619. The Permitting Authority's telephone number is 813/627-2600.

**Project File:** A complete project file is available for public inspection during the normal business hours of 8:00 a.m. to 5:00 p.m., Monday through Friday (except legal holidays), at address indicated above for the Permitting Authority. The complete project file includes the Draft Permit, the Technical Evaluation and Preliminary Determination, the application, and the information submitted by the applicant, exclusive of confidential records under Section 403.111, F.S. Interested persons may contact Diana M. Lee, P.E. for additional information at the address or phone number listed above.

## WRITTEN NOTICE OF INTENT TO ISSUE AIR PERMIT

**Notice of Intent to Issue Permit:** The Permitting Authority gives notice of its intent to issue an air permit to the applicant for the project described above. The applicant has provided reasonable assurance that operation of the proposed equipment will not adversely impact air quality and that the project will comply with all appropriate provisions of Chapters 62-4, 62-204, 62-210, 62-212, 62-296, and 62-297, F.A.C. The Permitting Authority will issue a Final Permit in accordance with the conditions of the proposed Draft Permit unless a timely petition for an administrative hearing is filed under Sections 120.569 and 120.57, F.S. or unless public comment received in accordance with this notice results in a different decision or a significant change of terms or conditions.

**Public Notice:** Pursuant to Section 403.815, F.S. and Rules 62-110.106 and 62-210.350, F.A.C., you (the applicant) are required to publish at your own expense the enclosed Public Notice of Intent to Issue Air Permit (Public Notice). The Public Notice shall be published one time only as soon as possible in the legal advertisement section of a newspaper of general circulation in the area affected by this project. The newspaper used must meet the requirements of Sections 50.011 and 50.031, F.S. in the county where the activity is to take place. If you are uncertain that a newspaper meets these requirements, please contact the Permitting Authority at above address or phone number. Pursuant to Rule 62-110.106(5) and (9), F.A.C., the applicant shall provide proof of publication to the Permitting Authority at the above address within 7 days of publication. Failure to publish the notice and provide proof of publication may result in the denial of the permit pursuant to Rule 62-110.106(11), F.A.C.

**Comments:** The Permitting Authority will accept written comments concerning the proposed Draft Permit for a period of 14 days from the date of publication of the Public Notice. Written comments must be received by the Permitting Authority by close of business (5:00 p.m.) on or before the end of the 14-day period. If written comments received result in a significant change to the Draft Permit, the Permitting Authority shall revise the Draft Permit and require, if applicable, another Public Notice. All comments filed will be made available for public inspection.

**Petitions:** A person whose substantial interests are affected by the proposed permitting decision may petition for an administrative hearing in accordance with Sections 120.569 and 120.57, F.S. Petitions filed by the applicant or any of the parties listed below must be filed within 14 days of receipt of this written notice of Intent to Issue Air Permit. Petitions filed by any persons other than those entitled to written notice under Section 120.60(3), F.S., must be filed within 14 days of publication of the attached Public Notice or within 14 days of receipt of this written notice of Intent to Issue Air Permit, whichever occurs first. Under Section 120.60(3), F.S., however, any person who asked the Permitting Authority for notice of agency action may file a petition within 14 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. A petition for administrative hearing 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, before the deadline. 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 (in a proceeding initiated by another party) will be only at the approval of the presiding officer upon the filing of a motion in compliance with Rule 28-106.205, F.A.C.

## WRITTEN NOTICE OF INTENT TO ISSUE AIR PERMIT

A petition that disputes the material facts on which the Permitting Authority'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, any email address, telephone number and any facsimile number of the petitioner; the name, address, any email address, telephone number, and any facsimile number of the petitioner's representative, if any, which shall be the address for service purposes during the course of the proceeding; and an explanation of how the petitioner's substantial interests will be affected by the agency determination; (c) A statement of when and how each petitioner received notice of the agency action or proposed decision; (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 agency's proposed action; (f) A statement of the specific rules or statutes the petitioner contends require reversal or modification of the agency'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 the petitioner wishes the agency to take with respect to the agency's proposed action. A petition that does not dispute the material facts upon which the Permitting Authority'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, F.A.C.

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

**Mediation:** Mediation is not available in this proceeding.

Executed in Hillsborough County, Florida.

  
Janet Dougherty  
Executive Director

WRITTEN NOTICE OF INTENT TO ISSUE AIR PERMIT

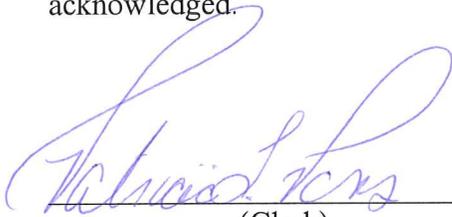
CERTIFICATE OF SERVICE

The undersigned duly designated deputy agency clerk hereby certifies that this Written Notice of Intent to Issue Air Permit package (including the Written Notice of Intent to Issue Air Permit, the Public Notice of Intent to Issue Air Permit, the Technical Evaluation and Preliminary Determination and the Draft Permit) was sent by electronic mail (or a link to these documents made available electronically on a publicly accessible server) with received receipt requested or by certified mail before the close of business on the date indicated below to the persons listed below.

Jeff Cook – Custom Fabrication, Inc.  
Cory Houchin, P.E. - ESG (houchinc@environmentalsciencesgroup.com)  
Ken Given, P.E. - Air Testing & Consulting, Inc. (ken@airtest.fdn.com)

Clerk Stamp

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

  
\_\_\_\_\_  
(Clerk)

  
\_\_\_\_\_  
(Date)

**PUBLIC NOTICE OF INTENT TO ISSUE AIR PERMIT**  
**ENVIRONMENTAL PROTECTION COMMISSION**  
**OF HILLSBOROUGH COUNTY**  
Draft Minor Air Construction Permit  
Project No. 0571016-010-AC  
Custom Fabrication, Inc.  
Hillsborough County, Florida

**Applicant:** The applicant for this project is Custom Fabrication, Inc. The applicant's authorized representative and mailing address is: Jeff Cook, 2604 Highway 92 East, Plant City, FL 33566.

**Facility Location:** Custom Fabrication, Inc. operates a miscellaneous metal parts blasting and coating operation facility located in Hillsborough County at 2604 Highway 92 East, Plant City, FL 33566.

**Project:** This project authorizes the addition of a second blasting nozzle (a hand-held blasting unit) and the use of black beauty as an alternative to sand. Particulate matter emissions will be controlled through the use of tarps and/or barriers and limitations on material usage.

**Permitting Authority:** Applications for air construction and operation permits are subject to review in accordance with the provisions of Chapter 403, Florida Statutes (F.S.) and Chapters 62-4, 62-210 and 62-212 of the Florida Administrative Code (F.A.C.). The proposed project is not exempt from air permitting requirements and an air permit is required to perform the proposed work. The Permitting Authority responsible for making a permit determination for this project is the Environmental Protection Commission of Hillsborough County. The Permitting Authority's physical address is: 3629 Queen Palm Dr., Tampa, FL 33619. The Permitting Authority's mailing address is: 3629 Queen Palm Dr., Tampa, FL 33619. The Permitting Authority's telephone number is 813/627-2600.

**Project File:** A complete project file is available for public inspection during the normal business hours of 8:00 a.m. to 5:00 p.m., Monday through Friday (except legal holidays), at the physical address indicated above for the Permitting Authority. The complete project file includes the Draft Permit, the Technical Evaluation and Preliminary Determination, the application and information submitted by the applicant (exclusive of confidential records under Section 403.111, F.S.). Interested persons may contact Diana M. Lee, P.E. for additional information at the address and phone number listed above.

**Notice of Intent to Issue Air Permit:** The Permitting Authority gives notice of its intent to issue an air construction permit to the applicant for the project described above. The applicant has provided reasonable assurance that operation of proposed equipment will not adversely impact air quality and that the project will comply with all appropriate provisions of Chapters 62-4, 62-204, 62-210, 62-212, 62-296 and 62-297, F.A.C. The Permitting Authority will issue a Final Permit in accordance with the conditions of the proposed Draft Permit unless a timely petition for an administrative hearing is filed under Sections 120.569 and 120.57, F.S. or unless public comment received in accordance with this notice results in a different decision or a significant change of terms or conditions.

**Comments:** The Permitting Authority will accept written comments concerning the proposed Draft Permit for a period of 14 days from the date of publication of this Public Notice. Written comments must be received by the Permitting Authority by close of business (5:00 p.m.) on or before the end of the 14-day period. If written comments received result in a significant change to the Draft Permit, the

Permitting Authority shall revise the Draft Permit and require, if applicable, another Public Notice. All comments filed will be made available for public inspection.

**Petitions:** A person whose substantial interests are affected by the proposed permitting decision may petition for an administrative hearing in accordance with Sections 120.569 and 120.57, F.S. Petitions filed by any persons other than those entitled to written notice under Section 120.60(3), F.S., must be filed within 14 days of publication of the Public Notice or receipt of a written notice, whichever occurs first. Under Section 120.60(3), F.S., however, any person who asked the Permitting Authority for notice of agency action may file a petition within 14 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. A petition for administrative hearing 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, before the deadline. 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 (in a proceeding initiated by another party) will be only at the approval of the presiding officer upon the filing of a motion in compliance with Rule 28-106.205, F.A.C.

A petition that disputes the material facts on which the Permitting Authority'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, any email address, telephone number and any facsimile number of the petitioner; the name, address, any email address, telephone number, and any facsimile number of the petitioner's representative, if any, which shall be the address for service purposes during the course of the proceeding; and an explanation of how the petitioner's substantial interests will be affected by the agency determination; (c) A statement of when and how each petitioner received notice of the agency action or proposed decision; (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 agency's proposed action; (f) A statement of the specific rules or statutes the petitioner contends require reversal or modification of the agency'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 the petitioner wishes the agency to take with respect to the agency's proposed action. A petition that does not dispute the material facts upon which the Permitting Authority'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, F.A.C.

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

**Mediation:** Mediation is not available for this proceeding.

**COMMISSION**  
Kevin Beckner      Lesley "Les" Miller, Jr.  
Victor D. Crist      Sandra L. Murman  
Ken Hagan            Stacy White  
Al Higginbotham



**DIVISION DIRECTORS**  
Legal & Admin.      Richard Tschantz, Esq.  
Air Management      Jerry Campbell, P.E.  
Waste Management      Hooshang Boostani, P.E.  
Water Management      Sam Elrabi, P.E.  
Wetlands Management      Scott Emery, Ph.D.

**EXECUTIVE DIRECTOR**  
Janet Dougherty

ENVIRONMENTAL PROTECTION COMMISSION OF  
HILLSBOROUGH COUNTY, as Delegated by

STATE OF FLORIDA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION

NOTICE OF PERMIT

Mr. Jeff Cook  
President  
Custom Fabrication, Inc.  
2604 Highway 92 East  
Plant City, FL 33566

Re: Hillsborough County - AP

Dear Mr. Cook,

Enclosed is Permit No. 0571016-010-AC to modify the miscellaneous metal parts abrasive blasting operation, issued pursuant to Section 403.087, Florida Statutes. This permit authorizes the addition of a second blasting nozzle (a hand-held blasting unit) and the use of black beauty as an alternative to sand.

Any party to this order (permit) has the right to seek judicial review of the permit pursuant to Section 120.68, Florida Statutes, by the filing of a Notice of Appeal pursuant to Rule 9.110, Florida Rules of Appellate Procedure, with the Clerk of the EPC in the Legal Department at 3629 Queen Palm Dr, Tampa, FL, 33619; 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 of Appeal must be filed within 30 days from the date this Notice is filed with the clerk of the EPC.

Executed in Tampa, Florida.

Sincerely,

**DRAFT**

Janet Dougherty  
Executive Director

JD/KRZ/krz

CERTIFICATE OF SERVICE

This is to certify that this NOTICE OF PERMIT and all copies were sent by certified mail or electronic mail before the close of business on \_\_\_\_\_ to the listed persons.

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

\_\_\_\_\_  
Date

**DRAFT**

Jeff Cook – Custom Fabrication, Inc.

Cory Houchin, P.E. - ESG (houchinc@environmentalsciencesgroup.com)

Ken Given, P.E. - Air Testing & Consulting, Inc. (ken@airtest.fdn.com)

**COMMISSION**

Kevin Beckner	Lesley "Les" Miller, Jr.
Victor D. Crist	Sandra L. Murman
Ken Hagan	Stacy White
Al Higginbotham	



**EXECUTIVE DIRECTOR**  
Janet Dougherty

**DIVISION DIRECTORS**

Legal & Admin.	Richard Tschantz, Esq.
Air Management	Jerry Campbell, P.E.
Waste Management	Hooshang Boostani, P.E.
Water Management	Sam Elrabi, P.E.
Wetlands Management	Scott Emery, Ph.D.

**DRAFT**

**PERMITTEE:**

Custom Fabrication, Inc.  
2604 Highway 92 East  
Plant City, FL 33566

**PERMIT/CERTIFICATION**

Permit No: 0571016-010-AC  
County: Hillsborough  
Expiration Date: July 10, 2016  
Project: Additional Abrasive Blasting Nozzle/Media

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 authorizes the addition of a second blasting nozzle (a hand-held blasting unit) and the use of black beauty as an alternative to sand.

Metal parts are blasted in a designated blasting building. The building has two solid steel sides and the remaining two sides are equipped with screened doors to control particulate matter emissions. The abrasive material (sand or black beauty) is pumped from the truck into the silo via a pneumatic pump. The abrasive material flows up the side of the silo through a steel pipe and into the top of the silo. During the blasting operation, sand or black beauty is gravity fed into the blast pot where it is pneumatically pressurized. The pressurization and air flow from the bottom of sandblast pot allows the abrasives to be pushed through the blast hose and onto the steel surface by the blasting nozzles. Compressed air for the blasting operation is provided by an electric air compressor to the blasting nozzles. The storage silo has a fiberglass cartridge filtration device to control particulate matter (PM) emissions from the silo loading operations.

After blasting, the metal parts are spray coated using two air-assisted spray guns and/or two airless spray guns. The spray coating operation is performed inside a designated partially enclosed paint building. The coated parts are air dried at ambient temperature. The paint overspray is captured by sand on the impermeable shop floor which is disposed periodically.

PM emissions from the abrasive blasting operation are minimized by use of screens and barriers around the blasting area (total enclosure) and by limits on the blast media usage. PM emissions from the storage silo are limited by the use of a cartridge filter device and limitations on the loading pressure. The opacity limit on the silo loading operation is 5% opacity pursuant to Rule 1-3.52, Rules of the EPC. The visible emissions limit on the abrasive blasting operation is 20% opacity per Rule 62-296.320(4)(b)1., F.A.C.

Location: 2604 Highway 92 East, Plant City, FL 33566

UTM: 17-392.40 E 3100.10 N NEDS NO: 1016

Point ID: 002 - Abrasive Blasting Operation  
003 - Abrasive Storage Silo

References Permit No.: 0571016-009-AF

*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*

**DRAFT**

PERMITTEE:  
Custom Fabrication, Inc.

PERMIT/CERTIFICATION NO.: 0571016-010-AC  
PROJECT: Additional Abrasive Blasting Nozzle/Media

SPECIFIC CONDITIONS:

**DRAFT**

1. A part of this permit is the attached General Conditions. [Rule 62-4.160, F.A.C.]
2. All applicable rules of the Environmental Protection Commission of Hillsborough County (EPC) 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.]
3. 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.]
4. The use of property, facilities, equipment, processes, products, or compounds, or the commission of paint overspraying 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.
5. 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, F.A.C.]
6. Visible emissions from the blasting operation shall not be equal to or greater than 20% opacity. Visible emissions from the abrasive storage silo loading operation shall not be greater than or equal to 5% opacity. [Rule 62-296.320(4)(b)1., F.A.C. and Rule 1-3.52, Rules of the EPC]
7. In order to ensure compliance with the emission limitations in Specific Condition No. 6., the following shall apply: [Rule 62-4.070(3), F.A.C., Permit No. 0571016-009-AF, and Permit Application received June 9, 2015]
  - A) No more than 800 tons of black beauty or sand coated with a dust suppressant shall be used in any twelve consecutive month period.
  - B) All dust laden air which is displaced during the silo loading process shall be sent to the cartridge filter before being discharged to the ambient air.
  - C) The truck delivery pressure shall not exceed 12 psig. The permittee shall post a sign at the silo advising operators of the maximum truck delivery pressure.
  - D) No more than two (2) blasting nozzles shall be in use at any time.
  - E) Maximum each nozzle pressure: 100 psig.
  - F) Only electric air compressors shall be used to provide air pressure for the blasting operation.
  - G) No unconfined blasting shall be allowed.
  - H) For parts that are too large to be blasted inside of the blasting building, lateral screens or other barriers shall be used on all sides and the top of the blasting area to provide for total enclosure of the blasting area. Parts that are able to fit inside the blasting building shall be blasted inside the blasting building with the doors closed at all times during blasting operations. The inability of the forklift or other transportation equipment to move parts around the site due to breakdown or other circumstances does not relieve the owner and/or operator from the requirement to comply with this condition.
8. Test the abrasive storage silo (EU 003) and abrasive blasting operation (EU 002) for visible emissions (VE) the first time that the abrasive material is received into the silo and that the blasting operation is conducted with two (2) nozzles, and annual thereafter, once every calendar year (January 1st - December 31st). Submit two copies of test data to the Air Management Division of the Environmental Protection Commission of Hillsborough County within

**DRAFT**

PERMITTEE:  
Custom Fabrication, Inc.

PERMIT/CERTIFICATION NO.: 0571016-010-AC  
PROJECT: Additional Abrasive Blasting Nozzle/Media

**DRAFT**

SPECIFIC CONDITIONS:

forty-five days of such testing. Testing procedures shall be consistent with the requirements of Rule 62-297.310, F.A.C. [Rule 62-297.310(8)(a)1., F.A.C. and Chapter 1-3.50, Rules of the EPCHC]

9. Compliance with the emission limitations of Specific Condition No. 6. 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 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. EPA Method 9 observation periods shall be at least thirty minutes in duration for the abrasive blasting operation. The minimum observation period for the silo filling operation shall be equal to the duration to fill at least one truckload of the abrasive material. The opacity observation shall include the period during which the highest opacity emissions can reasonably be expected to occur. The observation point for the blasting operation tests shall be at the point of maximum opacity leaving the blasting enclosure. [Rule 62-297.310, F.A.C.]

10. Testing of emissions shall be conducted with the source operating at capacity. Capacity is defined as 90-100% of rated capacity described as two (2) blasting nozzles operating at 100 psig each and the abrasive silo loading at 12 psig. 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 rate until a new test is conducted. Once the unit is so limited, then operation at higher capacities is allowed for no more than 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 input rates and actual operating conditions, such as the silo and blasting delivery pressures and silo loading rate, may invalidate the test. Ambient wind speed and wind direction shall be reported with the test. [Rules 62-4.070(3) and 62-297.310(3)(b), F.A.C.]

11. The permittee shall notify the Air Compliance Section of the EPC at least 15 days prior to the date on which each formal compliance test is to begin of the date, time, and place of each such test, and the contact person who will be responsible for coordinating and having such test conducted. [Rule 62-297.310(9), F.A.C.]

12. In order to ensure compliance with Specific Condition Nos. 6. and 7., the permittee shall maintain monthly records of the abrasive blasting operation. The records shall be made available to the EPC, state, or federal air pollution agency upon request. Records shall remain onsite for at least three (3) years and shall include, but not limited to, the following: [Rule 62-4.160(14), F.A.C.]

- A) Monthly total of the type and amount of abrasive blasting material used.
- B) Twelve month rolling total of the amount of abrasive blasting material used.

**DRAFT**

13. 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 limited to, the following: [Rule 62-296.320(4), F.A.C.]

- A) Only black beauty or sand coated with a dust suppressant shall be used for the abrasive blasting operation unless prior approval to use another material is received from the EPC.
- B) No spent abrasive material shall be reused.
- C) Except when blasting beneath a part or when it is physically impractical, all blasting shall be conducted from the top of the part down and the blasting nozzle shall be directed downward in order to control airborne emissions.

PERMITTEE:  
Custom Fabrication, Inc.

PERMIT/CERTIFICATION NO.: 0571016-010-AC  
PROJECT: Additional Abrasive Blasting Nozzle/Media

**DRAFT**

SPECIFIC CONDITIONS:

- D) All blasting operators shall be trained on procedures which minimize airborne emissions of blasting material. Records of training (when it was offered and who attended) will be maintained and be made available upon request to the Environmental Protection Commission of Hillsborough County.
- E) Only manual sweeping and vacuum systems to clean up spent blasting material shall be used. Blowers are not permitted.
- F) The pneumatically loaded abrasive storage silo shall be equipped with a filtration device. The filter shall be maintained in accordance with the manufacturer's specifications to ensure its performance.
- G) A dust suppression system shall be used on the unpaved traffic areas of the facility.

14. When the 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 may 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.]

15. The permittee shall provide timely notification to the EPC prior to implementing any changes which may result in a modification to this permit pursuant to Rule 62-210.200(169), 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.

16. 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 EPC within 30 days after the sale or legal transfer of the permitted facility. [Rule 62-4.120, F.A.C.]

17. Submit to the EPC each calendar year, on or before April 1, completed DEP Form 62-210.900(5), "Annual Operating Report for Air Pollutant Emitting Facility", for the preceding calendar year. [Rule 62.210.370(3), F.A.C.]

18. A complete application for an air operation permit shall be submitted to the EPC within 60 days of the completion of the initial compliance test, or 90 days prior to the expiration date of this permit, whichever occurs first. To properly apply for an operation permit amendment, the applicant shall submit the following: [Rules 62-4.070(3), 62-4.090, 62-210.300(2), and 62-210.900, F.A.C.]

- A) The appropriate Department application form [see Rule 62-210.900, F.A.C. (Forms and Instructions)];
- B) The appropriate operation permit application fee(s);
- C) Copies of the records specified in Specific Condition No. 12 for the most recent three (3) months of operation. If the source has been operating for less than three (3) months, include records for the entire period.
- D) Copy of the visible emissions test, as required in Specific Condition No. 8.

**DRAFT**

PERMITTEE:  
Custom Fabrication, Inc.

PERMIT/CERTIFICATION NO.: 0571016-010-AC  
PROJECT: Additional Abrasive Blasting Nozzle/Media

SPECIFIC CONDITIONS:

ENVIRONMENTAL PROTECTION COMMISSION  
OF HILLSBOROUGH COUNTY

**DRAFT**

---

Janet Dougherty  
Executive Director

## 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.