

MEMORANDUM

DATE: May 12, 2014

TO: Richard D. Garrity, Ph.D.

FROM: Diana M. Lee, P.E.

**SUBJECT: Final Construction Permit No. 0571435-001-AC
Bay Port Shredding and Metal Recycling**

Attached is Final Permit No. 0571435-001-AC for the relocation of an existing permitted aluminum recycling operation. Bay Port Shredding is an aluminum scrap recycling facility that is requesting to relocate to 6910 E. 14th Avenue in Tampa. They previously operated at 4902 South 50th Street, Tampa, FL 33619.

Bay Port Shredding and Metal Recycling operates an aluminum scrap recycling facility. The operation at the new site will involve a crane; a shredder; a "dirt screener", which separates aluminum scrap and dirt, four (4) bobcats and two (2) front end loaders. Bay Port Shredding will collect cast aluminum parts, radiators and other aluminum sheets, siding, etc., which can either be delivered by open-bed trucks or roll-offs, and then weighed before dumped onto the ground (piles). From these piles a crane will be used to lift the scrap into a shredder which will reduce the material to a smaller workable size and will discharge it to a pile. The shredded material will be inspected to remove non-aluminum materials and also a magnet will be used to remove steel. The prepped material will then be processed in the dirt screener. The screener will discharge to two different piles, an aluminum pile and a dirt pile. The material will be then ready to load onto a truck and be sent to the client.

The Draft AC permit was issued on April 18, 2014, and no comments were received from the facility.

On April 30, 2014, the EPC received the proof of the Public Notice of Intent to Issue Permit, which was published in the La Gaceta on April 25, 2014. No comments were received from the public since the intent was published.

Based on our review, we recommend an issuance of the Final AC permit as drafted.

KRZ: 0571435-001-AC

FINAL DETERMINATION

FOR

Bay Port Shredding and Metal Recycling

Hillsborough County

Construction Permit

Application Number

0571435-001-AC

Environmental Protection Commission of

Hillsborough County

Tampa, FL

May 12, 2014

FINAL DETERMINATION

The Environmental Protection Commission of Hillsborough County mailed a public notice package on April 18, 2014 that included Intent to Issue Air Construction Permit No. 0571435-001-AC to Bay Port Shredding and Metal Recycling for its relocation to the new site at 6910 E. 14th Avenue, Tampa, FL 33619. The facility previously located at 4902 South 50th Street, Tampa, FL 33619.

Bay Port Shredding is an aluminum scrap recycling facility. The operation at the new site will involve a crane; a shredder; a "dirt screener", which separates aluminum scrap and dirt, four (4) bobcats and two (2) front end loaders. Bay Port Shredding will collect cast aluminum parts, radiators and other aluminum sheets, siding, etc., which can either be delivered by open-bed trucks or roll-offs, and then weighed before dumped onto the ground (piles). From these piles a crane will be used to lift the scrap into a shredder which will reduce the material to a smaller workable size and will discharge it to a pile. The shredded material will be inspected to remove non-aluminum materials and also a magnet will be used to remove steel. The prepped material will then be processed in the dirt screener. The screener will discharge to two different piles, an aluminum pile and a dirt pile. The material will be then ready to load onto a truck and be sent to the client.

The Public Notice of Intent to Issue was published on April 25, 2014 in the La Gaceta.

No comments were received since the Intent was published.

The final action of the Environmental Protection Commission of Hillsborough County is to issue the final permit.

ENVIRONMENTAL PROTECTION COMMISSION OF
HILLSBOROUGH COUNTY, as Delegated by

STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL PROTECTION

NOTICE OF PERMIT

Jon Hale, Owner
Bay Port Shredding and Metal Recycling
6910 E. 14th Avenue
Tampa, FL 33619

Dear Mr. Hale:

Re: Hillsborough County - AP

Enclosed is Permit Number 0571435-001-AC to operate an aluminum scrap processing facility to be located at 6910 E. 14th Avenue, Tampa, FL 33619, issued pursuant to Section 403.087, Florida Statutes.

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 Drive, Tampa, Florida, 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,

Richard D. Garrity, Ph.D.
Executive Director

cc: Kenneth E. Given, P.E. - Air Testing & Consulting, Inc.

CERTIFICATE OF SERVICE

This is to certify that this NOTICE OF PERMIT and all copies were mailed 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

PERMITTEE:
Bay Port Shredding and Metal Recycling
6910 E. 14th Avenue
Tampa, FL 33619

PERMIT/CERTIFICATION
Permit No.: 0571435-001-AC
County: Hillsborough
Expiration Date: May 1, 2015
Project: Aluminum Scrap Processing 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 is being issued to Bay Port Shredding and Metal Recycling, an aluminum scrap recycling facility, to relocate their operations to 6910 E. 14th Avenue in Tampa. The operation at the new site will involve a crane; a shredder; a "dirt screener", which separates aluminum scrap and dirt, four (4) bobcats and two (2) front end loaders. Bay Port Shredding will collect cast aluminum parts, radiators and other aluminum sheets, siding, etc., which can either be delivered by open-bed trucks or roll-offs, and then weighed before dumped onto the ground (piles). From these piles a crane will be used to lift the scrap into a shredder which will reduce the material to a smaller workable size and will discharge it to a pile. The shredded material will be inspected to remove non-aluminum materials and also a magnet will be used to remove steel. The prepped material will then be processed in the dirt screener. The screener will discharge to two different piles, an aluminum pile and a dirt pile. The material will be then ready to load onto a truck and be sent to the client.

The shredder is driven by a 700 HP diesel fired reciprocating internal combustion engine (RICE) and the dirt screener is driven by a 110 HP diesel fired RICE. Neither engine is subject to the federal regulations of 40 CFR 60, Subpart IIII or 40 CFR 63, Subpart ZZZZ since they are non-road engines, as defined under 40 CFR 1068.30. The shredder and the dirt screener are operated at other facility sites.

Emissions from this operation will be controlled by using best management practices, which include minimizing the material drop heights and the use of water, as needed. Visible emissions from the scrap aluminum handling operations are limited to 5% opacity standard, pursuant to Chapter 1-3.52(1), Rules of the EPC. Visible emissions from the diesel engines is limited to a 20% opacity standard pursuant to Rule 62-296.320(4)(b)1., F.A.C.

Bay Port Shredding and Metal Recycling
Tampa, FL 33619

Permit No.: 0571435-001-AC
Project: Relocation - Scrap Aluminum Processing Facility

Location: 6910 E. 14th Avenue, Tampa, FL 33619

UTM Coordinates: 17-364.44 E 3094.14 N

Latitude: 27° 57' 55.6" N Longitude: 82° 22' 41.5" W

Facility ID No.: 0571435

Emission Unit (EU) Nos.: EU 001 – Material Handling
EP 1 - Truck unloading to pile
EP 2 - Pile to pile transfer
EP 3 - Crane to Shredder
EP 4 - Shredding
EP 5 - Shredder discharge to pile
EP 6 - Pile to Dirt Screener
EP 7 - Screening
EP 8 - Dirt Screener to aluminum pile
EP 9 - Dirt Screener to dirt pile
EP 10 - Dirt pile to truck
EP 11 - Aluminum pile to truck

EU 002 – Diesel Engine - Shredder

EU 003 - Diesel Engine - Dirt Screener

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.
5. Operating hours for the material handling at this facility are not limited. Therefore, this facility is authorized to operate 8,760 hours per consecutive 12 month period. [Rule 62-4.070(3), F.A.C., and Air Construction (AC) Permit Application submitted March 26, 2014]
6. As requested by the permittee, the facility shall not process more than 20,000 tons of scrap aluminum and consume more than 52,000 gallons of diesel fuel in any consecutive 12 month period. [Rule 62-4.070(3), F.A.C., and AC Permit Application submitted March 26, 2014]
7. Visible emissions from all scrap material handling activities (EU No. 001) shall not exceed 5% opacity. Visible emissions from the diesel engines that power the equipment shall not be equal to or greater than 20% opacity. [Rule 62-296.320, F.A.C., and Chapter 1-3.52, Rules of the EPCHC and AC Permit Application submitted March 26, 2014]
8. The permittee shall maintain a truck scale to determine the amount of scrap aluminum received with an error of less than or equal to 10 percent. [Rule 62-4.070(3), F.A.C.]
9. The permittee shall not cause, suffer, allow or permit the discharge of air pollutants which cause or contribute to an objectionable odor. An objectionable odor is any odor present in the outdoor atmosphere which by itself or in combination with other odors, is or may be harmful or injurious to human health or welfare, which unreasonably interferes with the comfortable use and enjoyment of life or property, or which creates a nuisance. [Rule 62-210.200 (Objectionable Odor) and Rule 62-296.320, F.A.C.]
10. In order to comply with the visible emission standards in Specific Condition No. 7, the permittee shall implement the following work practices: [Rule 62-4.070(3)]
 - A) Crane & loader operators shall minimize the material drop heights as much as possible;
 - B) Apply water to material stockpiles, as needed, prior to processing.

SPECIFIC CONDITIONS:

11. 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) Vehicle speeds will be limited to 10 mph in unpaved areas and 15 mph in paved areas of the facility.
- B) Wet roadways and unpaved areas as necessary to prevent excessive fugitive emissions. Paved areas shall be kept free of dirt and or debris by sweeping or vacuuming (no blowers permitted). If paved areas are not kept free of dirt and debris, they shall be maintained wet to the extent necessary to prevent excessive fugitive emissions.
- C) Equipment shall be properly maintained to perform its designed function.
- D) Maintain piles wet to the extent necessary to operate in compliance with the applicable visible emission standard.
- E) Operator of the crane, bobcats and front end loaders used to move scrap in the site must have a clear, unobstructed view of the area of hazardous operations at all times.

12. In order to demonstrate compliance with Specific Condition No. 7, the permittee shall perform visible emission (VE) tests for EU 001 that include all the emission points (EP 1 thru EP 11) listed in this permit, EU 002 and EU 003, the first time that material is processed at the new facility site, and annually thereafter, between October 1 and September 30 (once per federal fiscal year). Testing procedures shall be consistent with the requirements of Rule 62-297.340, F.A.C. [Rules 62-296.711(3), and 62-297.310(7), F.A.C.]

13. All Visible emissions shall be tested by a certified observer in accordance with EPA Method 9 for a minimum of thirty (30) minutes and shall be taken at the point of highest opacity.
[Rules 62-297.310(4)(a)2, and (7)(a), and 62-297.320, F.A.C.]

14. The permittee shall notify the Air Compliance Section of the Environmental Protection Commission of Hillsborough County at least 15 days prior to the date on which each formal compliance test is to begin. The notification will include 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(7)(a)9., F.A.C]

15. The permittee will submit two copies of the compliance test report to the Air Management Division of the Environmental Protection Commission of Hillsborough County within 45 days of such testing. The test report shall contain sufficient detail on the source tested and the test procedures used to allow the EPC to determine if the test was properly conducted and the test results properly computed. The operational data shall include the truck unloading and loading rates as determined by the weight of material processed during the visible emission test observation period and the specific work practices utilized to control particulate emissions. [Rules 62-297.310(8), F.A.C.]

SPECIFIC CONDITIONS:

16. 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.

17. 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 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(7)(b), F.A.C.]

18. In order to demonstrate continuous compliance with Specific Condition 6, the permittee shall maintain a recordkeeping system for the most recent three-year period. The records shall be made available to the EPC upon request. The records shall include, but not limited to, the following:
[Rule 62-4.070(3) and 62-4.160(14)(b), F.A.C.]

- A) Day, month and year of the data recorded;
- B) Monthly and 12-month rolling total of aluminum scrap processed (tons);
- C) Monthly and 12-month rolling total of diesel fuel consumed (gallons);
- D) Record of the annual certification of the truck scale;

19. The permittee must submit to the Environmental Protection Commission of Hillsborough County each calendar year, a completed DEP Form 62-210.900(5), "Annual Operating Report (AOR) for Air Pollutant Emitting Facility", for the preceding calendar year. The AOR shall be submitted by April 1 of the following year. [Rule 62-210.370(3), F.A.C.]

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

22. A minimum of two copies of an operating permit application with applicable compliance test report for incorporating this construction Permit No. 0571435-001-AC into an operating permit shall be submitted to the Environmental Protection Commission of Hillsborough County within 60 days of completion of testing or 90 days before the expiration date of this permit, whichever comes first.
[Rules 62-4.070(3) and 62-210.300(2), F.A.C.]

Bay Port Shredding and Metal Recycling
Tampa, FL 33619

Permit No. 0571435-001-AC
Project: Relocation -Scrap Aluminum Processing Facility

SPECIFIC CONDITIONS:

ENVIRONMENTAL PROTECTION COMMISSION
OF HILLSBOROUGH COUNTY

Richard D. Garrity, Ph.D.
Executive Director

P.E. Certification Statement

Permittee:
Bay Port Shredding and Metal Recycling
Tampa, Florida

DRAFT Permit No.: 0571435-001-AC
Facility ID No.: 0571435

Project Type: Air Construction

I HEREBY CERTIFY that the engineering features described in the above referenced application and subject to the proposed permit conditions provide reasonable assurance of compliance with applicable provisions of Chapter 403, Florida Statutes, and Florida Administrative Code Chapters 62-4 and 62-204 through 62-297. However, I have not evaluated and I do not certify aspects of the proposal outside of my area of expertise (including but not limited to the electrical, mechanical, structural, hydrological, and geological features).

(Seal)

Diana M. Lee, P.E.
Registration No.: 56082

Date

Permitting Authority:
Environmental Protection Commission
of Hillsborough County
Air Management Division
3629 Queen Palm Dr
Tampa, FL 33619
Telephone: (813) 2627-2600
Fax: (813) 627-2660