

Department of Environmental Protection

Jeb Bush
Governor

Twin Towers Office Building
2600 Blair Stone Road
Tallahassee, Florida 32399-2400

David B. Struhs
Secretary

June 19, 2003

Mr. John Horne
Atlantic Coast Recycling, Inc.
3301 Avenue D
Fort Pierce, Florida 34947-2584

Re: Facility No.: 1110046-006

Dear Mr. Horne:

The Department has received the Title V General Permit Notification Form for the secondary aluminum sweat furnace facility that you submitted on May 16, 2003.

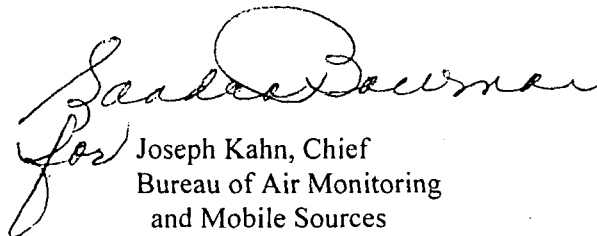
Please note that in January of each year the Department will be mailing fee notices to those facilities using the Title V general permit. This annual operation fee is \$50 and it is due and payable between January 15 and March 1 of each year the facility is in operation and is subject to the requirements of the Title V general permit.

If you have or expect to have any changes in your mailing address, location address, responsible official, or phone number, please notify the Department at the following address:

Title V General Permits Office
Bureau of Air Monitoring and Mobile Sources MS 5510
Department of Environmental Protection
2600 Blair Stone Road
Tallahassee, FL 32399-2400

If there are any changes in the facility status, including change of operating parameters or equipment, or if you have any additional questions regarding the Title V General Permit Program, please contact the district or local air program compliance inspector in your area.

Sincerely,


Joseph Kahn, Chief
Bureau of Air Monitoring
and Mobile Sources

JK/jw

cc: Mr. Tom Tittle, Southeast District

"More Protection, Less Process"

Printed on recycled paper.

SECONDARY ALUMINUM SWEAT FURNACE
AIR GENERAL PERMIT REGISTRATION FORM

RECEIVED
MAY 19 2003
Bureau of Air Management
& Mobile Source

Registration Type

Check one:

- NEW:** Initial registration for general permit for proposed *new* secondary aluminum sweat furnace(s).
- EXISTING:** Initial registration for general permit for *existing* secondary aluminum sweat furnace(s).
- RE-REGISTRATION:** Re-registration for general permit for secondary aluminum sweat furnace(s) upon expiration of current general permit.

Facility Registration

Facility Owner/Company Name (Name of corporation, agency, or individual owner):

Atlantic Coast Recycling, Inc.

Site Name (For example, plant name or number):

Atlantic Coast Recycling, Inc.

Facility Location...

Street Address or Other Locator: **3301 Avenue D**

City: **Fort Pierce**

County: **Saint Lucie**

Zip Code: **34947-2584**

Facility Identification Number (DEP use only; do not fill in):

1110046-006

Responsible Official

Responsible Official Name:

John Horne

Responsible Official Qualification (Check one or more of the following options, as applicable):

For a corporation, the president, secretary, treasurer, or vice-president of the corporation in charge of a principal business function, or any other person who performs similar policy or decision-making functions for the corporation, or a duly authorized representative of such person if the representative is responsible for the overall operation of one or more manufacturing, production, or operating facilities applying for or subject to a permit under Chapter 62-213, F.A.C.

For a partnership or sole proprietorship, a general partner or the proprietor, respectively.

For a municipality, county, state, federal, or other public agency, either a principal executive officer or ranking elected official.

Responsible Official Mailing Address...

Organization/Firm: **Atlantic Coast Recycling, Inc.**

Street Address: **3301 Avenue D**

City: **Fort Pierce**

County: **Saint Lucie**

Zip Code: **34947-2584**

Responsible Official Telephone Numbers...

Business: **(772) 461-1831**

Fax: **(772) 489-0799**

Mobile: **(772) 528-2260**

Responsible Official Email Address (optional):

Atcorecy@aol.com

Facility Description and Comments

Atlantic Coast Recycling, Inc. is engaged in the recycling of nonferrous metals. We sort, package and sell these metals to companies through out the United States and overseas. We smelt aluminum and irony aluminum to sell to aluminum primaries and foundries in our two secondary aluminum sweat furnaces.

We operate on approximately 4 and ½ acres, of which only 2 are really being utilized at this time.

Number of secondary aluminum sweat furnaces on site: Two (2)

Is each secondary aluminum sweat furnace equipped with an afterburner that has a design residence time of at least 0.8 seconds and a design operating temperature of at least 1600 degrees Fahrenheit, and is the manufacturer's documentation of these design specifications maintained on-site? Y N (circle one)

If 'No,' explain

Does each secondary aluminum sweat furnace have an afterburner temperature monitoring device and temperature data recorder? Y N (circle one)

If 'No,' explain

Does each secondary aluminum sweat furnace have a written operation, maintenance, and monitoring (OM&M) plan, and is this plan maintained on-site? Y N (circle one)

If 'No,' explain

Does each secondary aluminum sweat furnace have a written startup, shutdown and malfunction plan, and is this plan maintained on-site? Y N (circle one)

If 'No,' explain

List and briefly describe all other process operations at the site that may emit air pollutants (for example, scrap shredders, degreasers, paint shops, boilers, emergency generators, etc.). Add any comments about the facility that would be helpful to the Department in understanding the nature of your operation (for example, describe the products made, amount of materials used, air pollution control equipment employed, and hours of operation).

We operate a Saturn 96-50 HT Roto-Shear to shear cut irony aluminum to remove the iron and steel from the aluminum. This is a slow speed rotating four-inch wide shear, which does not produce any significant amounts of dust or other pollutants. We plan to move the roto-shear to the center of the yard and use a misting system to control dust and allow us to process aluminum dross and steel to recover the aluminum. We currently operate the roto-shear about three days per week averaging five to six hours.

Facility Contact (If different from Responsible Official)

Facility Contact Name:			
Facility Contact Address...			
Street Address:			
City:	County:	Zip Code:	
Facility Contact Telephone Numbers...			
Business:	() -	Fax:	() -
Mobile:	() -		
Facility Contact Email Address (optional):			

Surrender of Existing DEP Air Permit(s)

Rule 62-213.300(2)(a)2., F.A.C., makes the surrender of all existing DEP air permits, other than the air general permit, a condition precedent for the entitlement to a general permit. Indicate with an "X" whether the responsible official surrenders such permit(s), listing the permit number(s), or whether no such permit(s) exist. Complete this portion of the form **ONLY** if this is an initial registration for general permit:

- I hereby surrender all existing DEP air permits (other than the air general permit for which this registration form is submitted). The permit number(s) are:
1110046-005-AV.
- No DEP air permits currently exist for the operation of the facility indicated in this registration form.

Responsible Official Certification

I, the undersigned, am the responsible official of the facility addressed in this registration form. I hereby certify, based on information and belief formed after reasonable inquiry, that the statements made in this registration form are true, accurate and complete, and that the facility addressed in this registration form is entitled to use the Title V air general permit for secondary aluminum sweat furnaces. Further, I agree to operate and maintain the air pollutant emissions units and air pollution control equipment described in this registration form so as to comply with all terms and conditions of the Title V air general permit for secondary aluminum sweat furnaces as set forth at Rule 62-213.300(1)(f), F.A.C.

I will promptly notify the Department of any changes to the information contained in this registration form.

John Horne

Print name of responsible official


Signature

5/12/2003

Date

Atlantic Coast Recycling, Inc.

Furnace Start-up, Shut-down & Malfunction Plans

Start-up Plan

1. Visually inspect furnace for any broken equipment or items in need of repair.
2. Check for gas leaks prior to igniting furnace.
3. Turn on furnace afterburner and holding chamber burners.
4. After afterburner temperature has reached a minimum of 1600° Fahrenheit, turn on primary burners.
5. You may now begin charging the primary chamber with scrap aluminum.

Shut-down Plan

1. Be certain all molten aluminum has been poured from holding chamber.
2. Turn the primary and holding chamber burners off.
3. Allow the afterburners to run while raking and cleaning primary and holding chambers.
4. After all metals and ash have been removed from the furnace, you may turn the afterburners off.

Malfunction Plan

1. Turn off all burners, but leave fan motors running to prevent back flow of heat to all burners.
2. Turn GAS supply off.
3. Pour molten aluminum from the holding chamber into sow molds.
4. Notify a supervisor of the malfunction(s).

OPERATOR TRAINING RECORDS

I, _____ have been trained for the safety and operation of the MS-1500 and the AS-990 United Sweat Furnaces including but not limited to the Start-up, Shut-down and Malfunction Plans.

Date: _____

Employee Name: _____

X _____
Employee Signature

X _____
Supervisor, Skip Horne

Atlantic Coast Recycling, Inc.

Furnace Operation, Maintenance & Monitoring Plan

OPERATION

1. Visually inspect furnace for any broken equipment or items in need of repair.
2. Turn furnace holding & afterburners on.
3. Allow for afterburner temperature to reach 1600° Fahrenheit.
4. Turn on primary burners.
5. Begin loading scrap aluminum in the primary chamber, not exceeding permit limits.
6. Check holding temperature throughout the day, making sure minimum temperature is maintained.
7. Pour molten aluminum into molds when sufficient quantity is in holding chamber.
8. Visually check stack emission discharge for visible emissions.
9. Make necessary adjustments if visible emissions occur.
10. Repeat steps 5, 6 & 7 until working day is near end.
11. After all molten aluminum is poured into molds for the day, turn furnace off.
12. After primary chamber has cooled, remove all none aluminum metals.

MAINTENANCE

1. Daily, before firing up furnace, visually and mechanically inspect all components of furnace for proper function.
2. Daily, inspect refractory for cracks, including floor, walls & ceiling.
3. Daily, inspect doors for proper operation and the ability to close completely.
4. As needed, repair or replace any non-functioning equipment, refractory or doors.

MONITORING

1. Maintain and operate afterburner temperature data logger as per instructed. Retain data logger floppy discs data for five (5) years.
2. Maintain a log of operations, including, hours of operation, quantities of aluminum processed, and natural gas consumed.
3. Maintain a log of repairs performed and any periods of visible emissions.

OPERATOR TRAINING RECORDS

I, _____ have been trained for the safety and operation of the MS-1500 and the AS-990 United Sweat Furnaces including but not limited to the Operation, Maintenance and Monitoring Plan (OM&M).

Date: _____ Employee Name: _____

X _____
Employee Signature

X _____
Supervisor, Skip Horne

U.S. Postal Service
CERTIFIED MAIL RECEIPT
(Domestic Mail Only; No Insurance Coverage Provided)

996E 9552 7000 0001 1140 0001 7001

OFFICIAL USE

Postage	\$
Certified Fee	
Return Receipt Fee (Endorsement Required)	
Restricted Delivery Fee (Endorsement Required)	

Handwritten: 1/20/03
 Postmark Here

ID# 1110046
 JOHN HORNE
Se ATLANTIC COAST RECYCLING
 3301 AVENUE D
Str FT PIERCE, FL 34947
or
Cit.

PS Form 3800, January 2001 See Reverse for Instructions

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1 Article Addressed to:

ID# 1110046
 JOHN HORNE
 ATLANTIC COAST RECYCLING
 3301 AVENUE D
 FT PIERCE, FL 34947

COMPLETE THIS SECTION ON DELIVERY

A. Signature *[Handwritten Signature]* Agent
 Addressee

B. Received by (Printed Name) *[Handwritten Name]* Date of Delivery *[Handwritten Date]*

D. Is delivery address different from item 1? Yes
 If YES, enter delivery address below: No

3. Service Type
 Certified Mail Express Mail
 Registered Return Receipt for Merchandise
 Insured Mail C.O.D.

4. Restricted Delivery? (Extra Fee) Yes

2 Article Number
(Transfer from service label)

7001 1140 0001 7556 3968

UNITED STATES POSTAL SERVICE

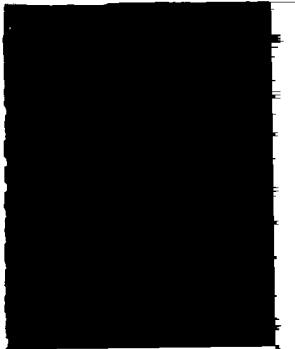


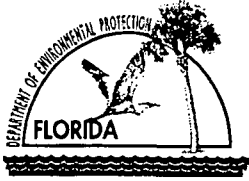
First-Class Mail
Postage & Fees Paid
USPS
Permit No. G-10

• Sender: Please print your name, address, and ZIP+4 in this box •

BUR. OF AIR MONITORING & MOBILE SOURCES
DEPT. OF ENVIRONMENTAL PROTECTION
MAIL STOP 15510
2600 BLAIR STONE ROAD
TALLAHASSEE, FLORIDA 32399-2400

RECEIVED
FEB 10 2004
Bureau of Air Monitoring
Tallahassee, Florida





Department of Environmental Protection

Division of Air Resource Management

SECONDARY ALUMINUM SWEAT FURNACE AIR GENERAL PERMIT REGISTRATION FORM

General Information

The Florida Department of Environmental Protection has established a Title V air general permit at Rule 62-213.300(1)(f), F.A.C., for secondary aluminum sweat furnaces that are subject to the federal emission limiting standards and other requirements of 40 CFR Part 63, Subpart RRR, and that choose to comply with such requirements by installing and operating an afterburner device in accordance with the provisions of 40 CFR 63.1505(f)(1). A facility with one or more secondary aluminum sweat furnaces may use this Title V air general permit provided the facility meets the eligibility criteria set forth in the rule and, throughout the term of the general permit, maintains its eligibility to use the general permit and complies with all terms and conditions of the general permit.

Any facility wishing to use the Title V air general permit for secondary aluminum sweat furnaces must register its intent to use such general permit by completing and submitting this form to the Department of Environmental Protection. The form must be signed and certified by the "responsible official" of the facility. As defined at Rule 62-210.200, F.A.C., the responsible official is any one of the following:

- (a) For a corporation, the president, secretary, treasurer, or vice-president of the corporation in charge of a principal business function, or any other person who performs similar policy or decision-making functions for the corporation, or a duly authorized representative of such person if the representative is responsible for the overall operation of one or more manufacturing, production, or operating facilities applying for or subject to a permit under Chapter 62-213, F.A.C.;
- (b) For a partnership or sole proprietorship, a general partner or the proprietor, respectively; or
- (c) For a municipality, county, state, federal, or other public agency, either a principal executive officer or ranking elected official.

Questions regarding this Title V air general permit, including registration procedures and information on the specific terms and conditions of its use, should be directed to:

General Permits Section
Bureau of Air Monitoring and Mobile Sources, MS 5510
Department of Environmental Protection
2600 Blair Stone Road
Tallahassee, FL 32399-2400

Telephone: (850) 488-0114 or the Small Business Assistance Program at 1-800-722-7457

Conditions and general procedures for use of the Title V air general permit for secondary aluminum sweat furnaces are found at Rules 62-213.300(1)(f) and 62-213.300(2)-(4), F.A.C. To assist persons registering for use of this air general permit, an abbreviated summary of these conditions and procedures follows.

Disclaimer: The Title V air general permit for secondary aluminum sweat furnaces is a "permit-by-rule." Therefore, please refer to Rules 62-213.300(1)(f) and 62-213.300(2)-(4), F.A.C., for complete and up-to-date rule language. The summary that follows is not official rule language.

Abbreviated Summary of Conditions and General Procedures

(1) Eligibility Determination. The responsible official of the facility containing the secondary aluminum sweat furnace(s) shall determine the facility's eligibility for the Title V air general permit and notify the Department of intent to use the general permit.

- (a) A facility with one or more secondary aluminum sweat furnaces is eligible to operate under the terms and conditions of the Title V air general permit established at Rule 62-213.300(1)(f), F.A.C., provided the responsible official has submitted a completed Secondary Aluminum Sweat Furnace Air General Permit Registration Form to the Department at least 30 days prior to beginning operations under the general permit and, throughout the term of the general permit, all of the following conditions are met:
1. The facility operates no emissions units other than the secondary aluminum sweat furnace(s) and emissions units which are considered insignificant pursuant to the criteria of Rule 62-213.300(2)(a)1. F.A.C. (set forth in paragraph (1)(b) of this summary).
 2. The facility is classified as a Title V source pursuant to paragraph (f), only, of the definition of "major source of air pollution" at Rule 62-210.200, F.A.C.; that is, the facility is a Title V source by virtue of being subject to 40 CFR Part 63, Subpart RRR; adopted and incorporated by reference at Rule 62-204.800, F.A.C., but does not emit any pollutant in a major amount as set forth in paragraphs (a) through (e) of the definition of "major source of air pollution"; and
 3. The facility is not subject to any requirement of 40 CFR Parts 61 or 63, other than 40 CFR Part 63, Subparts A and RRR, adopted and incorporated by reference at Rule 62-204.800, F.A.C.
 4. The facility complies with all general conditions of Rule 62-213.300(3), F.A.C., and all requirements of 40 CFR Part 63, Subparts A and RRR, as applicable, except that:
 - a. In lieu of conducting a performance test to demonstrate compliance with the emission standard of 40 CFR 63.1505(f)(2), the owner or operator shall comply with the residence time and operating temperature requirements of 40 CFR 63.1505(f)(1); and
 - b. In lieu of submitting a written operation, maintenance, and monitoring plan to the Department, the owner or operator shall prepare and implement a plan that meets the criteria of 40 CFR 63.1510(b), operate the sweat furnace(s) in compliance with the operation, maintenance and monitoring plan at all times, and maintain the plan on-site and available for inspection by the Department.
- (b) No facility which contains an emissions unit, other than a secondary aluminum sweat furnace or a unit considered insignificant pursuant to this paragraph, shall be eligible to use the air general permit. No facility is eligible to use more than one air general permit. An emissions unit or activity shall be considered insignificant if all of the following criteria are met:
1. The emissions unit or activity would be subject to no unit-specific applicable requirement.
 2. The emissions unit or activity would neither emit nor have the potential to emit:
 - a. 500 pounds per year or more of lead and lead compounds expressed as lead;
 - b. 1,000 pounds per year or more of any hazardous air pollutants;
 - c. 2,500 pounds per year or more of total hazardous air pollutants; or
 - d. 5.0 tons per year or more each of any other regulated pollutants.
 3. The emissions unit or activity, in combination with other units and activities at the facility, would neither cause the facility to emit nor have the potential to emit:

- a. 100 tons per year or more of carbon monoxide, nitrogen oxides, particulate matter, sulfur dioxide, or volatile organic compounds;
 - b. 5 tons per year or more of lead and lead compounds expressed as lead;
 - c. 10 tons per year or more of any hazardous air pollutant;
 - d. 25 tons per year or more of total hazardous air pollutants; or
 - e. 100 tons per year or more of any other regulated pollutant.
- (c) Any facility that would use a Title V air general permit under Rule 62-213.300, F.A.C., must surrender all existing air permits other than the air general permit indicated in this registration form.
- (d) If a facility at any time becomes ineligible for the use of the Title V air general permit and is subject to the source-specific Title V air operation permit requirements of Chapter 62-213, F.A.C., it shall be subject to enforcement action for operating without an air operation permit.
- (e) Notwithstanding the shield provisions of Rule 62-213.460, F.A.C., any facility utilizing a Title V air general permit will be subject to enforcement action for operation without a permit under Chapter 62-213, F.A.C., if it is determined to be initially ineligible for the air general permit which is being utilized.
- (2) **Registration.** For each facility intending to operate under the provisions of a Title V air general permit, the responsible official must submit the correct registration form for the specific general permit to be utilized to give notice to the Department of intent to use such permit.

Note: To register for use of the Title V air general permit for secondary aluminum sweat furnaces, complete pages 5-7 of this form, retain a copy for your files, and submit the completed form, signed and certified by the responsible official, to:

**General Permits Section
Bureau of Air Monitoring and Mobile Sources, MS 5510
Department of Environmental Protection
2600 Blair Stone Road
Tallahassee, FL 32399-2400**

- (3) **Administrative Corrections.** Within 30 days of any changes requiring corrections to information contained in this notification form, the responsible official shall notify the Department in writing. Such changes shall include:
- (a) Any change in name of the responsible official or facility address or phone number;
 - (b) A change in facility status requiring more frequent monitoring or reporting by the responsible official from that noted on the most recent notification form; and
 - (c) Any other similar minor administrative change at the facility.
- (4) **Violation of Permit.** The Title V air general permit for secondary aluminum sweat furnaces is valid only for the specific activity indicated. Any deviation from the specified activity and the conditions for undertaking that activity is a violation of the permit. The responsible official is placed on notice that violation of the permit constitutes grounds for revocation and suspension pursuant to Rules 62-4.100 and 62-4.530(4), F.A.C., and initiation of enforcement action pursuant to s. 403.141 through 403.161, F.S. No revocation shall become effective except after notice is served by personal service, certified mail, or newspaper notice pursuant to Section 120.60(5), F.S., upon the person or persons named therein and a hearing held, if requested within the time specified in the notice. The notice shall specify the provision of the law or rule alleged to be violated, or the permit condition or Department order alleged to be violated, and the facts alleged to constitute a violation thereof.

- (5) **Nullification of Eligibility.** Eligibility for use of a Title V air general permit is automatically nullified by:
- (a) Submission of false or inaccurate information in the registration form for use of the Title V air general permit or in the required reports;
 - (b) Refusal of lawful inspection by Department staff;
 - (c) Failure to submit operational reports or other information required by the general permit; or
 - (d) Failure to timely pay the required annual emissions fee, penalty, or interest.
- (6) **Use of Permit.** Any facility eligible to operate under the terms of a Title V air general permit may use the permit 30 days after giving notice to the Department without any agency action.

Dept. of Environmental Protection

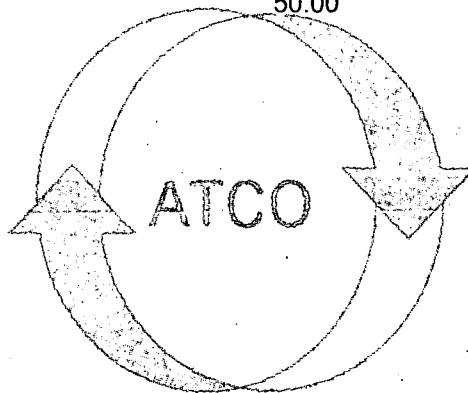
1/12/2007

Date	Type	Reference
1/12/2007	Bill	

Original Amt.
50.00

Balance Due	Discount
50.00	
Check Amount	

Payment
50.00
50.00



First Peoples Bank

Annual Permit 2007

50.00

THIS PORTION MUST BE ATTACHED TO REMITTANCE FOR PROPER HANDLING

467217 JAN 16 2007

Please include your AIRS ID# on your check or money order. This number is located on the mailing label.

TOTAL AMOUNT DUE: \$50.00

Do NOT Remove Label

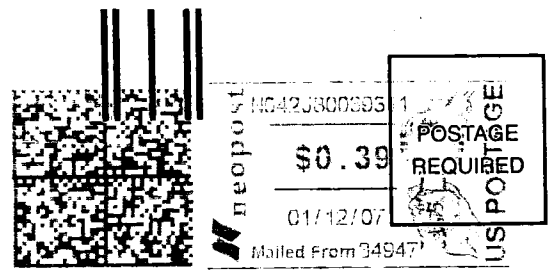
AIRS ID# 1110046
 ATLANTIC COAST RECYCLING,
 INC.
 3301 AVENUE D
 FT PIERCE, FL 34947

Mobile
 JAN 22 2007

FLAIR ACCT. CODE 372020350013755010000
 BENEFITTING OBJECT CODE 002000
 BENEFITTING CATEGORY 000200

FOR GOVERNMENT USE ONLY
 ORG.: 37550101000 EO: A1
 FUND: 20-2-035001
 OBJECT: 002273

ATLANTIC COAST RECYCLING, INC.
" CONSERVING THE FUTURE BY
RECYCLING THE PAST "
3301 AVENUE D
FORT PIERCE, FL 34947-2538



TITLE V - General Permit
Receipts
Post Office Box 3070
Tallahassee, FL 32315-3070

THIS PORTION MUST BE ATTACHED TO REMITTANCE FOR PROPER HANDLING

456900 DEC16 2005

Please include your AIRS ID# on your check or money order. This number is located on the mailing label.

TOTAL AMOUNT DUE: \$50.00

Do NOT Remove Label

1110046 40
ATLANTIC COAST RECYCLING
3301 AVENUE D
FT PIERCE, FL 34947

Bureau of Air Monitoring
& Mobile Sources

DEC 19 2005

FLAIR ACCT. CODE 372020350013755010000
BENEFITTING OBJECT CODE 002000
BENEFITTING CATEGORY 000200

FOR GOVERNMENT USE ONLY
ORG.: 37550101000 EO: A1
FUND: 20-2-035001
OBJECT: 002273

Printed on recycled paper.



THIS PORTION MUST BE ATTACHED TO REMITTANCE FOR PROPER HANDLING

436148 FEB 9 2004

Please include your AIRS ID# on your check or money order. This number can be found below on your mailing label.

TOTAL AMOUNT DUE: \$50.00

Do **NOT** Remove Label

ID# 1110046
JOHN HORNE
ATLANTIC COAST RECYCLING
3301 AVENUE D
FT PIERCE, FL 34947

FOR GOVERNMENT USE ONLY
Org.: 37550101000, EO: A1
Fund: 20-2-03500
Obj.: 002273

RECEIVED
FEB 13 2004
Merrill Lynch