

Jeb Bush  
Governor

## Department of Environmental Protection

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

04/01/2003

Jack Flaake  
Quicksilver Recycling Services  
8509c Sunstate St  
Tampa, FL 33634-1311

The Florida Department of Environmental Protection has reviewed your application for registration handler for universal waste lamps and devices destined for recycling. Based on the information re located at 8509c Sunstate St, Tampa, FL has been registered with the following status:

Facility ID # **FLR000097204**  
**Transporter of Universal Waste Lamps and Devices**  
**Small Quantity Handler Facility for Universal Waste Lamps and Device**  
(Less than 2,000kg of Lamps (8,000) and/or 100kg of Devices for 1 Year)

This registration is valid through **March 1, 2004**. The registration form for the year 2004 registr the contact person indicated on your application.

Chapter 62-737, Florida Administrative Code (F.A.C.), (copy enclosed) specifies several other req packaging, training and record keeping for transporters and handlers of and reverse distribution ; waste lamps or devices destined for recycling. These requirements are simple, flexible and make environmental sense (summarized on enclosed fact sheets).

This registration does not allow you to transport or handle universal waste lamps or devices whic landfill or other disposal. The transportation or handling of universal waste lamps or devices dest subject to our hazardous waste management regulations under Chapter 62-730, F.A.C.

If any of the information for your facility on the Universal Waste Lamp and Device Transporter an Registration Form changes, please notify me in writing at Mail Stop 4555 at the letterhead addre: assistance, please contact Laurie Tenace at (850)245-8707 or Internet email at Laurie.Tenace@d

Sincerely,

John L. (Jack) Price  
Environmental Manager  
Hazardous Waste Management Section

Enclosures

"More Protection, Less Process"

Printed on recycled paper.



"The Recycling Specialists"

Quicksilver Recycling Services  
1102 N. Rome Avenue • Tampa, Florida 33607-5542  
813.886.1494 • Fax 813.886.6252 • Toll Free 877 WE REUSE  
877 937.3873

QSRecycling.com



"The Recycling Specialists"

**John L. Flaacke**

Quicksilver Recycling Services  
1102 N. Rome Avenue • Tampa, Florida 33607-5542  
813.886.1494 • Fax 813.886.6252 • Toll Free 877 WE REUSE  
JohnFlaacke@QSRecycling.com 877 937.3873

QSRecycling.com



Jeb Bush  
Governor

# Department of Environmental Protection

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

03/20/2003

JACK FLAACKE,  
F & F ENVIRONMENTAL INC  
8509C SUNSTATE ST  
TAMPA, FL 33634-

The Hazardous Waste Regulation Section has reviewed your application for a hazardous Identification Number. Based on the information received you have been issued the following number for the facility located at **8509C SUNSTATE ST, TAMPA.**

**FLR000097204**

Your facility status is the following:

**Non-handler Universal Waste Handler**

**THIS LETTER IS NOT AN APPROVAL TO TRANSPORT HAZARDOUS WASTE OR A HAZARDOUS WASTE TREATMENT, STORAGE, OR DISPOSAL (TSD) FACILITY. PLEASE CONTACT THE DEPARTMENT FOR COMPLETE REQUIREMENTS FOR HAZARDOUS WASTE TRANSPORT.**

Please notify us in writing if there is any change in your operations which would affect the need for assistance, please call (850)245-8707.

Sincerely,

Michael X. Redig  
Environmental Manager  
Hazardous Waste Regulation Section

Site: 211808

"More Protection, Less Process"

Printed on recycled paper.

1-877-WE-REUSE  
Copyright 2003, All Rights Reserved  
**Quicksilver Recycling Services**



Recycle America  
ALLIANCE  
**eCycling<sup>SM</sup> Services**

## PRESS ANNOUNCEMENT

FOR IMMEDIATE RELEASE

**CONTACT:** Kevin McCarthy, Recycle America Alliance, L.L.C., eCycling<sup>SM</sup> Services, 510-563-4214 or 510-501-7070 or [kmccarthy1@wm.com](mailto:kmccarthy1@wm.com)  
Mike Flynn, Quicksilver Recycling Services, 813-886-1494 or [qsrecycling@aol.com](mailto:qsrecycling@aol.com)

### **Recycle America Alliance Announces New Service Affiliate to Process Electronics in the Southeast** **New Effort to Expand Electronics Recycling**

**PHOENIX, ARIZONA - March 18, 2003** -Recycle America Alliance, L.L.C. has announced a new service affiliate to enhance its delivery of electronics recycling services in the southeastern United States. Quicksilver Recycling Services, based in Tampa, Florida, will provide de-manufacturing services for materials collected or managed by Recycle America Alliance under its eCycling<sup>SM</sup> service in Alabama, Florida and Georgia. Both parties will work together on marketing commodities to end markets.

"This is another important milestone in our effort to sustainably build America's leading national infrastructure for electronics recycling services," said Kevin McCarthy, Director of Electronics Recycling for Waste Management, Inc., majority owner of Recycle America Alliance. "Our association with Quicksilver combines a highly regarded local entrepreneur with Recycle America Alliance's national reach and capabilities."

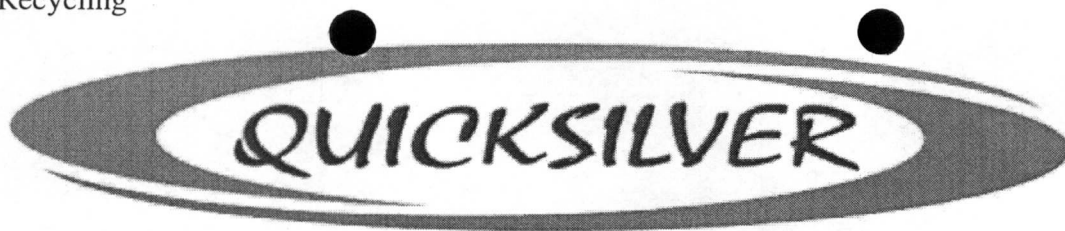
"We are excited about this joint effort with Recycle America Alliance to build quality infrastructure for e-waste recycling in Florida," remarked Mike Flynn, Vice President with Quicksilver Recycling Services. "We are proud to be part of this national alliance and its commitment to increase the nation's electronics recycling capabilities."

Recycle America Alliance's eCycling<sup>SM</sup> service is an innovative, customized approach to recycling discarded electronics, computers, televisions, communications equipment, and other related waste streams. Local and state governments, original equipment manufacturers (OEMs), commercial businesses and nonprofits can utilize a national network of drop-off centers, collection depots and regional processing centers operated by Waste Management and affiliated companies.

Quicksilver Recycling Services operates a comprehensive de-manufacturing facility for end-of-life electronics and surplus electronics equipment. The company was incorporated in 1998 with a mission to manage special wastes in a manner, which results in waste minimization and diversion from landfilling through environmentally sound recycling processes.

Recycle America Alliance's eCycling<sup>SM</sup> service, with operations in more than 20 states, is the nation's leading coast-to-coast provider of electronics recycling. Recycle America Alliance has approximately 3,300 employees; handles more than 8 million tons of commodities per year; and operates 80 recycling plants. It offers marketing services for more than 190 locations in the U.S. and Canada. In addition, RAA operates seven container processing facilities, one plastics recycling facility, and four electronics recycling facilities. Recycle America Alliance processes electronics collected at more than 65 recycling or disposal facilities nationwide. It has four processing facilities in Phoenix, Houston, Minneapolis and Kernersville, N.C. It operates a nonferrous scrap metal facility in Long Branch, N.J., and has service contracts with E-Recycling of Southern California, in Paramount and ElectroniCycle in Gardner, MA.

For more information, please go to [www.recycleamericaalliance.com](http://www.recycleamericaalliance.com), or [www.wm.com/recycling/raa](http://www.wm.com/recycling/raa)



## "The Recycling Specialists"

E.P.A ID # FLR000097204



**Quicksilver Recycling Services (QRS)** is an operating unit of F & F Environmental, Inc. (F&F), a Florida based Corporation formed in 1998. F&F specializes in managing special wastes through recycling.

Doing business as "Quicksilver Recycling Services" (dba) correctly reflects our mission of providing timely solutions to your electronic waste disposal problems using the latest in recycling technologies. Quicksilver Recycling Services is committed to the highest level of customer service, value and regard for using environmentally sound management practices in the handling of your surplus electronic equipment and products (E waste).

Electronic equipment is used everyday, from televisions and computers to personal audio systems and cell phones. Many of the components in these electronic items contain hazardous materials such as lead, cadmium, mercury and arsenic. While in use, these hazardous materials pose no problem, but when improperly discarded they represent an environmental threat.

Environmental regulations are increasingly focused on this area of disposal. Quicksilver's mission is to provide our clients with that needed assurance that their electronic components will be properly handled in accordance with all regulatory requirements.

1-877-WE-REUSE

Copyright 2003, All Rights Reserved

**Quicksilver Recycling Services**

[Services](#) | [Sales](#) | [Contact](#) | [Materials Accepted](#) |  
[Permits](#) | [Newsroom](#)  
[Hazardous Components](#) | [Products of Demanufacture](#) |  
[Home](#)

[Home Page](#)

[Recycling Services](#)

[Materials Accepted](#)

[Permits](#)

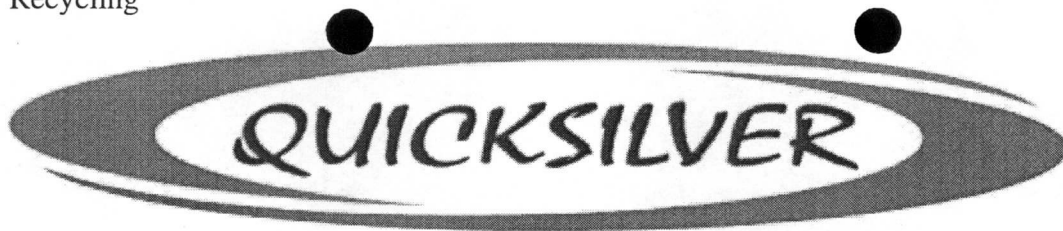
[Hazardous  
Components](#)

[Products of  
Demanufacture](#)

[Surplus Components  
& Equipment Sales](#)

[Contact Us](#)

[Newsroom](#)



## "The Recycling Specialists"

E.P.A ID # FLR000097204

Home Page

Recycling Services

Materials Accepted

Permits

Hazardous  
Components

Products of  
Demanufacture

Surplus Components  
& Equipment Sales

Contact Us

Newsroom

### Recycling Services

QRS can provide you with varying degrees of assistance in managing your electronics, from simply receiving your shipments to a full turnkey program. If required, we have sufficient staff and equipment to come to your facility for the collection and packaging of your spent electronics (E-waste).

Using our transportation or yours, the equipment will be delivered to our facility in Tampa where it will be inventoried, evaluated, and managed in an economical and environmentally sound manner.

Quicksilver Recycling Services accepts the full range of E-waste. If the equipment contains a printed circuit board, we will accept it for processing. For example:

- Computers and peripherals
- Telephones (including cell phones)
- Telecommunication equipment
- Household electronics
- Televisions
- Test equipment
- Copiers
- Printing equipment



### Processing

Processing of E-waste can involve any and all of the following processes:

#### Demanufacturing

When items are obsolete or repairs are unreasonable, QRS will demanufacture the equipment into various commodity groups for recycling. See [Products of Demanufacture](#).

#### Destruction

At the customers request, equipment is rendered unuseable for its intended purpose and none of the units, whole or in part, are



reused or resold. A "Certificate of Destruction" can be issued.

**Refurbished, Reuse or Resale**

In the course of demanufacturing, some components have reuse/resale values which are reflected in our pricing schedules and based on experience. Some equipment lends itself to refurbishment by using good parts from other units, resulting in a useable piece of equipment.

**Asset Management**

In some cases a business will have equipment that is working and of fairly current technology. This surplus equipment will be tested and marketed for sale under a profit sharing agreement.

**Hazardous Components**

When electronic items contain hazardous components, QRS segregates these items into their proper waste management category and dispose of them in accordance with regulatory requirements. See [Hazardous Components](#).

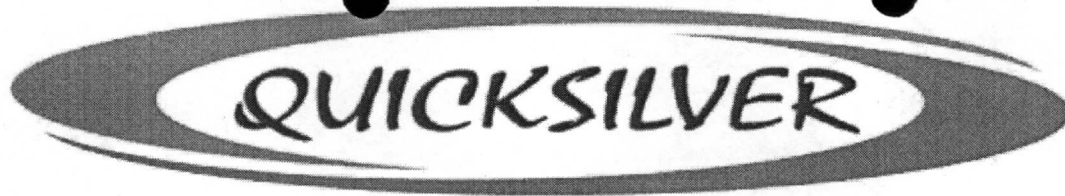
*Certificates of Recycling/Reuse or Destruction can be issued as you desire.*

1-877-WE-REUSE

Copyright 2003, All Rights Reserved

**Quicksilver Recycling Services**

[Services](#) | [Sales](#) | [Contact](#) | [Materials Accepted](#) | [Permits](#) | [Newsroom](#)  
[Hazardous Components](#) | [Products of Demanufacture](#) | [Home](#)



"The Recycling Specialists"

## Batteries

QRS generates numerous sizes and types of batteries through recycling through electronics. We are a registered handler of universal waste batteries.

EPA ID  
#FLR000007204



QRS is a regional representative for the collection and consolidation of batteries to be recycled by Battery Reclamation Inc. (BRI) - EPA ID #TXR000038935. BRI has a part B storage building that has a design capacity of 500 tons. The storage area is divided into bermed cells, sealed against spillage, to receive the various types of battery chemistries.

BRI has developed a permitted process to recycle alkaline batteries in a safe, environmentally sound and cost effective manner. At the core of the process is a pyrolysis furnace. The reclaimed materials include scrap metal and oxides of zinc manganese are ideal for micronutrients in agricultural applications.

All types of batteries are accepted at BRI and those not recycled on site are shipped to permitted facilities in large quantities.





"The Recycling Specialists"

### Cathode Ray Tube Recycling

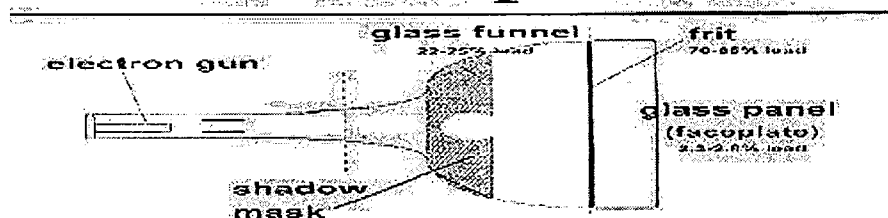
Cathode Ray Tubes (CRTs) are the second largest source of toxic lead in the municipal solid waste stream.

#### What's in a CRT?

A CRT in a TV or a computer monitor can contain from ~ 1.5 to nearly 6 pounds of lead, depending on the size and year of manufacture (4 pounds per CRT is sometimes used as a rough average). The CRT glass can be divided into 4 parts, which have differing amounts of lead in different chemical and physical forms:

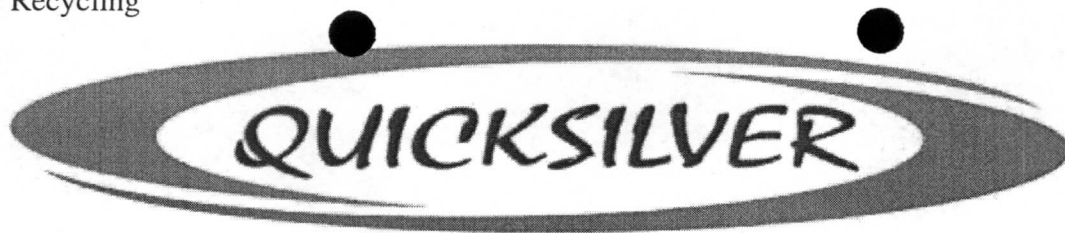
1. **Neck:** The neck glass houses the electron gun (source of the signal leading to the display we see when we look at the TV or monitor).
2. **Funnel:** Lead is bound up in the glass matrix of the funnel (22-25% lead) as "leaded glass" for shielding us from the radiation produced by the gun.
3. **Faceplate or panel:** A minimal amount of lead (~2-3%) bound up in the glass matrix. The function of the lead is not known.
4. **Frit:** Frit is a type of glass solder used to join the faceplate and funnel sections. It contains from ~15 to nearly 100 grams of lead per CRT, depending on the size. The lead from the frit is in a soluble form; primarily lead oxide, as compared to the insoluble lead in the glass matrix of the funnel and faceplate. The lead in the frit readily leaches in both US EPA's TCLP (Toxicity Characteristic Leaching Procedure) hazardous waste characterization test and in the landfill or environment. To a lesser extent, lead may also leach from the funnel or panel glass depending on the particle size of the broken glass.

### CRT Components



QRS removes all of the cabinet surrounding the CRT, leaving only the leaded glass. This leaded glass is separated at the frit line and the two different concentrates of glass are sent to a glass to glass recycling facility in the United States to be reused in the making of new CRTs. We feel that this is the best way to provide our customers with "Cradle to Grave Liability".

1-877-WE-REUSE  
Copyright 2003, All Rights Reserved  
**Quicksilver Recycling Services**



"The Recycling Specialists"

E.P.A ID # FLR000097204

Home Page

Recycling Services

**Materials Accepted**

Permits

Hazardous  
Components

Products of  
Demanufacture

Surplus Components  
& Equipment Sales

Contact Us

Newsroom

### Materials Accepted

Quicksilver Recycling Services will accept a wide range of waste and obsolete electronic equipment (E-waste). An exception is equipment that contains a radioactive substance or is contaminated with waste not related to electronics such as toxic or flammable liquids and biological waste.

Accepted electronic equipment will be processed using a variety of processes to assure it is properly disposed of or recycled.



QRS contracts with its clients in a number of ways in the recycling of electronics. Based on volume, frequency, location and item classification, we may offer a fix price or cost, a per item price or cost, a per pound price or cost and in some cases a possible asset management sharing opportunity.

Contact us for a specific quote tailored to your situation.

Here is a brief list of the materials that we handle:

- ICs
- CPUs
- Circuit Boards
- Software
- PCs
- Monitors
- Telephone Equipment
- Networking Equipment
- Other New/Used Surplus Equipment & Components

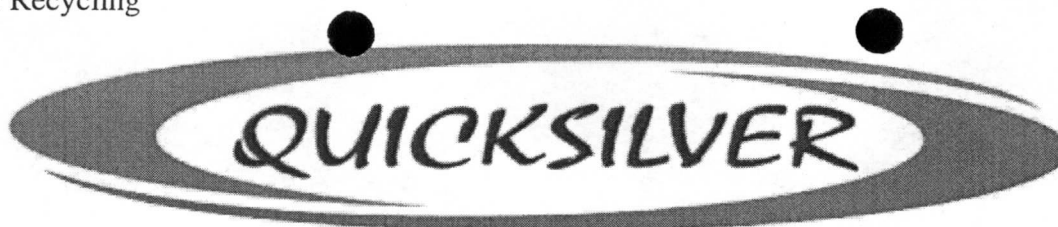


1-877-WE-REUSE

Copyright 2003, All Rights Reserved

**Quicksilver Recycling Services**

[Services](#) | [Sales](#) | [Contact](#) | [Materials Accepted](#) | [Permits](#) | [Newsroom](#)  
[Hazardous Components](#) | [Products of Demanufacture](#) | [Home](#)



"The Recycling Specialists"

E.P.A ID # FLR000097204

Home Page

Recycling Services

Materials Accepted

Permits

Hazardous  
Components

Products of  
Demanufacture

Surplus Components  
& Equipment Sales

Contact Us

Newsroom

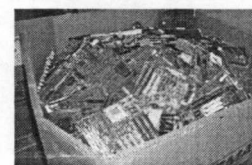
### **Demanufacturing Obsolete and End of Life Equipment**

Eventually all electronic equipment becomes obsolete or quits working and the cost to repair is out of sight. QRS will demanufacture the equipment into commodity groups for recycling. This is accomplished in a labor-intensive process. QRS does not land fill any components from the demanufactured equipment:

- All equipment is manually disassembled and the different end products are separated.



- Circuit boards are cleaned of all batteries and mercury switches, before being shipped to a North American facility for refining of the precious metals.



- Ferrous and Nonferrous metals and aluminum that are generated is sent out locally for recycling, along with copper-bearing components, wire and other low grade metals.

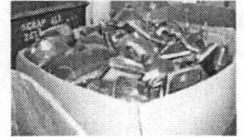


- Plastic is baled and sent to a Florida plastics recycling facility.





- All recovered batteries are separated into their different categories and all are sent out to be properly recycled.
- Mercury switches and other mercury containing devices are consolidated and shipped to a permitted retorting facility.
- Cathode Ray Tubes (CRTs) are stripped of all hardware. The two types of glass in each tube (high and low lead) are separated in a controlled environment and bulked for shipment to a glass recycler.

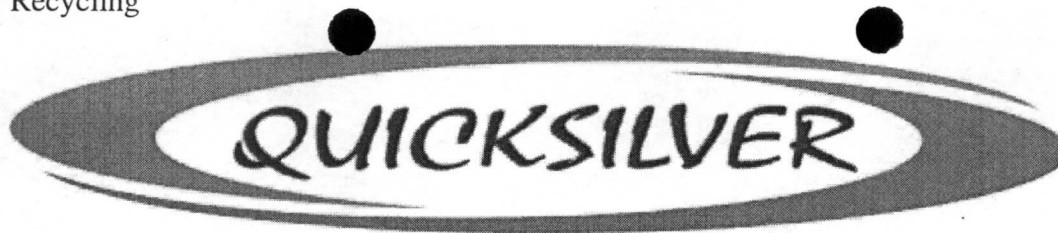


During the receiving and/or demanufacturing process, QRS will identify and handle hazardous components in accordance with the applicable regulations. See the Hazardous Components section of this site for more detail on this issue.

1-877-WE-REUSE  
Copyright 2003, All Rights Reserved  
**Quicksilver Recycling Services**

[Services](#) | [Sales](#) | [Contact](#) | [Materials Accepted](#) | [Permits](#) | [Newsroom](#)  
[Hazardous Components](#) | [Products of Demanufacture](#) | [Home](#)





"The Recycling Specialists"

E.P.A ID # FLR000097204

[Home Page](#)

[Recycling Services](#)

[Materials Accepted](#)

[Permits](#)

[Hazardous  
Components](#)

[Products of  
Demanufacture](#)

[Surplus Components  
& Equipment Sales](#)

[Contact Us](#)

[Newsroom](#)

### Surplus Components & Equipment Sales

Some electronic components are recovered from equipment and offered for sale. Used computer components like drives, memory, and power supplies are tested for operability and then offered for sale. We also sell some select devices like printers, monitors, keyboards and entire PC systems.

### Showroom

Visit our **showroom** to view computer, television, and other electronic devices for sale. See our [Contact](#) page for complete directions to:



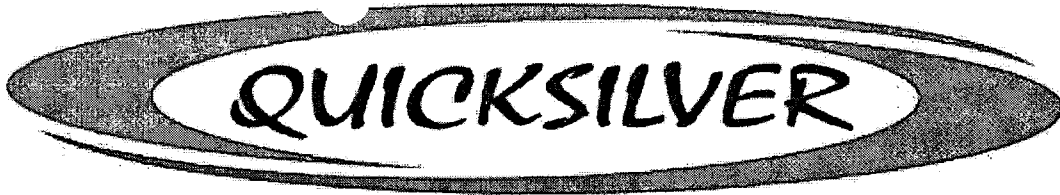
Quicksilver Recycling Services  
8509C Sunstate Street  
Tampa, FL 33634  
Hours: Monday thru Friday  
8am until 4:30pm

1-877-WE-REUSE

Copyright 2003, All Rights Reserved

**Quicksilver Recycling Services**

[Services](#) | [Sales](#) | [Contact](#) | [Materials Accepted](#) | [Permits](#) | [Newsroom](#)  
[Hazardous Components](#) | [Products of Demanufacture](#) | [Home](#)



## "The Recycling Specialists"

E.P.A ID # FLR000097204

### Mailing Address

Quicksilver Recycling Services  
1102 N. Rome Avenue  
Tampa, FL 33607-5542

### Main Phone & General Inquires

Local: 813.886.1494

Toll-Free: 877.937.3873

Fax: 813 886 6252

Email: [sales@qsrecycling.com](mailto:sales@qsrecycling.com)

### Map & Directions

Home Page

Recycling Services

Materials Accepted

Permits

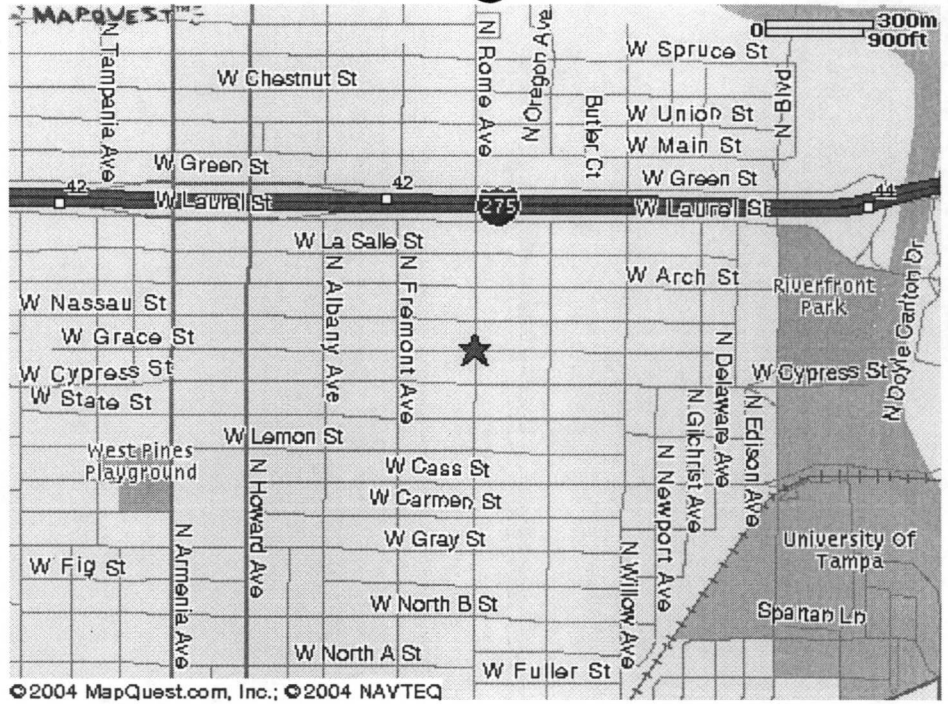
Hazardous  
Components

Products of  
Demanufacture

Surplus Components  
& Equipment Sales

Contact Us

Newsroom



**FROM:**

Address:

City:

State:

ZIP:

Country:

**TO:**

1102 N. Rome Avenue

Tampa FL

33607 U.S.

**Personnel**

Our staff and areas of responsibility for each are listed below. Please feel free to contact anyone of us with your comments and questions.

**Customer Support Services**

Brandi Gallagher

**Electronics Recycling Sales & Marketing**

Mark Cardamone

**Business Development**

Mike Flynn

**Office Management**

Karen Flaacke

**Facility Operations**

John Flaacke

**Material Substitution Programs & Administration**

Jack Flaacke

1-877-WE-REUSE  
Copyright 2003, All Rights Reserved  
**Quicksilver Recycling Services**

[Services](#) | [Sales](#) | [Contact](#) | [Materials Accepted](#) | [Permits](#) | [Newsroom](#)  
[Hazardous Components](#) | [Products of Demanufacture](#) | [Home](#)



# Quicksilver

## The Recycling Specialist



1102 N. Rome Ave.

(813) 886 - 1494

Fax: (813) 886 - 6252

Toll Free: 877 - WE REUSE

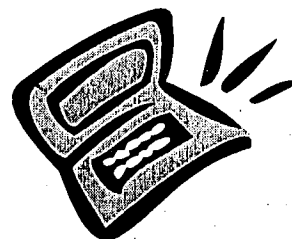
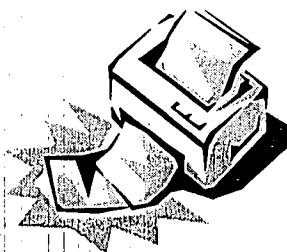
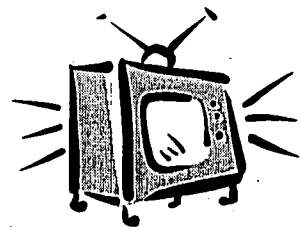
(877 - 937 - 3873)

Hours of Operation:

Mon. - Fri.

8:00 AM - 4:30 PM

- MONITORS
- LAPTOPS
- PRINTERS
- TELEVISION
- COMPUTER PARTS



(ALL SALES ARE FINAL. THIRTY-DAY EXCHANGE ON ALL MERCHANDISE.)