

**Engineering Report  
Updated -1/2017**

battery recycling facility. Batteries to be accepted may include the following:

- Automotive / large equipment lead acid type batteries; and
- Small type batteries, including:

Alkaline,	Gel cells
Lead acid	Lithium ion
Lithium	Magnesium
Mercury	Ni-Cad
Ni-MH	Silver oxide
Zinc	

The facility also accepts Non-RCRA material defined as E-Waste for processing, sorting, and transfer. This includes laptop computers, computer processing units, keyboards, hard drives, motherboards, and retail E-waste. Retail e-waste includes all retail and wholesale items that are battery operated or have an electrical cord. (Batteries and cords may be removed prior to transfer to another facility.)

Material handling / processing activities take place within the Facility building. Materials received at the Facility are sorted / processed, consolidated, and loaded into outbound transfer trailer vehicles for transport to a licensed / permitted facility authorized to receive such materials.

### 1.3 General Facility Information

General information for the Lighting Resources Facility (located in Ocala, Florida) as required by Title 40 § 270.14(b) (1), follows:

- Company Name: Lighting Resources, LLC
- Corporate Address: 1919 Williams St, Suite 350, Simi Valley, CA 93065
- Corporate Telephone Number: (805) 624-3050
- Facility Address: 1007 SW 16<sup>th</sup> Lane, Ocala FL 34471
- Facility Telephone Number: (352) 509-3001
- Facility Facsimile Number: (352) 509-3012
- Facility EPA / DEP Identification Number: FLR 000 070 565
- Facility Contact: Jason Muhlenkamp, Southeast Branch Manager

### 1.4 Other Facility Permits

Lighting Resources, LLC has the following permits or registrations:

- DEP Division of Air Management, General Air Permit Registration – received November 10, 2021 # 0830171-002-AG.
- Florida Hazardous Waste Transporter Approval Certificate of Approval – effective through November 30, 2017.
- DEP Large Quantity Handler Facility for Universal Waste Lamps and Devices Registration and UW Transporter– registered through March 1, 2017.

Please refer to **Appendix A** for copies of the above referenced documents.

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### 3.0 OPERATING PLAN

The following operating plan addresses the proper procedures for the handling, processing, and transport operations for the Lighting Resources, LLC - Mercury Recovery Facility located in Ocala, Florida (Facility). The Facility operates in such a manner that is protective of public health, safety, and welfare. Further, the Facility operates in accordance with applicable federal and state rules and regulations, including but not limited to Rules contained within Chapter 62-737 of the Florida Administrative Code (F.A.C.) - *The Management of Spent Mercury-Containing Lamps and Devices Destined for Recycling*.

Material handling / processing activities takes place solely within the Facility building. Materials received at the Facility are sorted / processed, consolidated, and loaded into outbound transfer vehicles for transport to a licensed / permitted facility authorized to receive such materials.

Facility personnel are appropriately trained and supervised to comply with the contents of this operating plan prior to beginning duties. A copy of the operating plan is located within the Administrative Offices and will remain available for reference to ensure proper management of Facility operations.

#### 3.1 Overview of Facility Operations

The Lighting Resources Facility is by DEP definition a *Mercury Recovery Facility* that accepts for processing (i.e., mercury recovery) both intact and crushed mercury containing lamps. Lighting Resources also accepts other universal wastes for transfer to a reclamation facility or other final destination facility (i.e., recycler, treatment, or disposal type facility). Specifically, Lighting Resources Facility accepts the following mercury containing materials and universal wastes:

- Mercury Containing Lamps (MCLs) - fluorescent lamps, incandescent lamps, LED, and high intensity discharge (HID) lamps (intact and broken);
- Mercury Containing Devices (MCDs) - thermometers, thermostats, switches, relays and manometers, etc.;
- Lighting Ballasts - PCB and Non-PCB ballasts;
- Automotive / Large Equipment Lead Acid Type Batteries; and
- Small type batteries, including:

Alkaline,	Gel cells
Lead acid	Lithium ion
Lithium	Magnesium
Mercury	Ni-Cad
Ni-MH	Silver oxide
Zinc	

Batteries are sorted by type and sent to an authorized battery recycling facility

The facility also accepts Non-RCRA material as E-Waste for processing, sorting, and transfer. This includes laptop computers, computer processing units, keyboards, hard drives, motherboards, and retail E-waste. Retail e-waste includes all retail and wholesale items that are battery operated or have an electrical cord. (Batteries and cords may be removed prior to transfer to another facility.)

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### *Acceptable Waste*

The Lighting Resources Facility accepts only the following wastes *for processing*:

- Intact lamps including mercury containing lamps, and other non-mercury containing lamps, and
- Broken or crushed mercury containing lamps and other broken lamps.

The Facility also accepts the following universal and non-regulated wastes for transfer to an approved facility for either processing, treatment, recycling or disposal:

- Batteries,
- Mercury containing devices (MCDs),
- Non-PCB lighting ballasts, and

Lighting Resources may receive electronic waste items and items containing leaded glass. Electronic waste items received are separated, batteries and cords removed and transferred to an approved facility authorized to process such wastes.

### *Prohibited Waste*

The Lighting Resources Facility is prohibited from processing hazardous waste other than crushed or broken mercury containing lamps. Further, the Facility is prohibited from accepting the following wastes or materials:

- Radioactive Wastes,
- Liquid Wastes,
- Biological and Medical Wastes,
- Municipal Solid Wastes,
- Flammable Wastes,
- Explosive Wastes,
- Pyrophoric Wastes,
- Ignitable Waste,
- Reactive Waste,
- Acute Hazardous Waste,
- Toxic Waste, and
- Free Liquids or Leaking Containers.

Any attempt to deliver the above materials is rejected by Lighting Resources. Waste rejection and load checking procedures are discussed further in **Section 3.9** and **Section 3.13**, respectively.

### *Material Receiving and Acceptance Procedures*

Upon arrival of a shipment at the Lighting Resources Facility, the following sequence of events occurs:

- The driver presents the paperwork for the load to the shipping and receiving individual who is trained to receive material into the Facility.
- Facility personnel will compare shipping documents and material description against the material profiles of the material to be received.

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**4.2 Emergency Contact Information****Emergency Coordinator:**

Name: Jason Muhlenkamp  
 Office Phone: 352-509-3001  
 Cell Phone: 352-789-4009

**Alternate Emergency Coordinator #1:**

Name: Buff Fritz  
 Office Phone: 352-509-3001  
 Cell Phone: 352-342-6051  
 Home Phone: 352-390-6803

**Alternate Emergency Coordinator #2:**

Name: Melanie Jordan  
 Office Phone: 352-509-3001  
 Cell Phone: 352-299-1056

**▪ Emergency Contacts:**

Ocala Police Department: 911  
 (Non-emergency): (352) 369-7134  
 Ocala Fire Department: 911  
 (Non-emergency): (352) 629-8503  
 Local Ambulance Service: 911  
 Ocala Regional Medical Center: (352) 401-1137  
 Florida DEP Central District: (407) 897-4100  
 U.S. EPA Region 4: (404) 562-8700  
 Marion County Emergency Mgmnt: (352) 351-8077  
 State Warning Point: (800) 320-0519

**4.3 Regulatory Agencies Contact Information****Local**

Address  
 Phone

**Marion County Emergency Mngmnt**

692 NW 30<sup>th</sup> Ave., Ocala, FL 34475  
 (352) 351-8077

**State**

Address  
 Phone

**Florida DEP - Central District**

3319 Maguire Blvd., Ste. 232, Orlando, FL 32803  
 (407) 897-4100

**Federal**

Address  
 Phone

**U.S. EPA Region 4**

Hazardous Waste Management Division  
 61 Forsyth St. SW, Atlanta, GA 30303  
 (800) 241-1754

**National Response Center**

(800) 424-8802



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