

DRAFT EMERGENCY AND FIRE FIGHTING AGREEMENT

To Serve:

*All-Rite Recycling Materials Recovery Facility
3401 Overland Road
Apopka, Florida 32703*

Class I Waste Recycling

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1.0 Purpose

This document is to be used as a guideline for procedures and preparedness in the event of a major fire and/or emergency was to take place within the recycling facility.

1.1 Site Location and Access

The All-Rite Recycling Materials Recovery Facility (MRF) is located off of Overland Road in Apopka, Florida. Primary access to the site is from SR 441, west on Beggs Road, north on Overland Road to the site entrance, see attached location map.

The site gate is typically open from 7:00 a.m. to 5:30 p.m. Monday through Friday, and 7:00 a.m. to 2:00 p.m. on Saturday. The site's access gate will be locked at all other times; however, **three (3) 24-hour contact numbers** are posted on the facility's sign, **each of whom can respond to the site and operate equipment within 45 minutes.**

1.2 Notification in Case of an Emergency or Fire

*** Orange County Fire and Rescue Department (OCFRD) Communications Center must be contacted immediately upon all fires on the property. The Florida Fire Prevention Code requires that in the event fire occurs on any property, the owner or occupant shall immediately report such fire to the Fire Department (911).**

Orange County Fire/Rescue	911
Facility's Telephone Number	407-293-5726
General Manager's Telephone Number	<u>904407-669850-16487410</u>
Operations Manager's Telephone Number	To Be Determined

The operator of the site will first and immediately notify the **Orange County Fire Rescue Department (911)**, Florida Department of Environmental Protection (FDEP) (407-8974-41007555), and Orange County Environmental Protection Division (OCEPD) (407-836-1400) in case of a fire or other emergency that poses an unanticipated threat to the public's health or the environment. Within two weeks of a fire emergency, the Operator of the site will submit to the OCEPD and FDEP a written report on the emergency. This report will describe the origins of the emergency, the actions taken to control the emergency, the results of the action taken, and an evaluation of the success or failure of the actions.

1.3 Fire Protection and Fire Fighting Facilities

A fire hydrant is located on Overland Road near the facility entrance and an additional fire hydrant will be located within 300-feet of the scalehouse and proposed waste processing building to be used in the event of a fire within the building. See the attached Site Plan for the proposed fire hydrant location. Soil stockpiles will not be kept on-site.

Further details of fire fighting procedures (**containment and extinguishment**) follow. **Methods of fire suppression will ultimately be determined by Orange County Fire Rescue Department's command for the different types of fires that may be encountered (structure, vehicle, and landfill). The various methods of suppression are as follows:**

- **Separation**
- **Copious amounts of water**

*** Specialized fire fighting equipment and materials, required by Orange County Fire Rescue Department's Command, will be provided solely at the facility owner's expense to protect the public health and environmental issues.**

1.4 Equipment Inventory

The equipment planned to be used at the MRF site includes the following at a minimum, or its' equivalent:

- Two (2) Loaders
- One (1) Bobcat

No on-site water truck is used since all roadways are paved and a fire hydrant will be located near the processing building. All facility on-site personnel will have two-way radios or equivalent communication device.

*** Fire Extinguishers in accordance with NFPA 10 are provided on each piece of equipment operating at the recycling property.**

1.5 Safety Devices

All operating equipment at the facility site will be fitted with protective structures and fire extinguishers. Personnel safety gear, such as hard hats, safety glasses, and appropriate lace-up work boots, are required for operational personnel.

*** The above safety devices will be provided solely at the facility owner's expense.**

1.6 Emergency Access

In the event of a fire, debris originally destined for this facility will be rerouted to another permitted site. Site access allows passage of vehicles under all expected weather conditions. The facility entrance will provide suitable access for all emergency vehicles. Access roadway shall be all weather surfaces, 20' 0" wide, 13'-6" vertical clearance, and shall accommodate fire apparatus with a minimum weight of 32 tons.

1.7 Communication Facilities

Telephone service will be present at the ticket gate. In addition, all facility on-site personnel will have two-way radios. All emergency numbers (i.e., 911, fire department, police department, etc.) will be posted at the ticket booth. One (1) additional two-way radio will be available on site for emergency fire department command officer.

2.0 Fire Suppression Methods and Procedures

Site fires can start by spontaneous combustion of facility's material under excessive heat and pressure. The following sections describe some suppression methods, but do not supersede the methods used by the responding fire department. MRF personnel will work together with the Fire/Rescue personnel by providing heavy equipment and logistical support during a fire or emergency. Orange County Fire Rescue Department's command officers will be in charge of the scene upon arrival and work closely with the facility's personnel to mitigate any emergency situation. Emergency operations will adhere to Orange County Fire Rescue Department's Standard Operating Procedures. Structural and vehicle fires will be suppressed in accordance with Emergency Operation Guidelines.

2.1 Fire and Emergency Response

MRF personnel are expected to immediately respond to a fire or emergency during regular business hours, since response time could be the difference between a controlled or out of control situation. Next, Orange County Fire Rescue Department will respond to insure adequate fire control. Orange County Fire Rescue Department is to be notified immediately of any fire at this property.

Practice Emergency Plan

Effective fire prevention maintenance program, including regular yard inspections by trained personnel and suppression operations shall be practiced periodically.

Orange County Fire Rescue Department's review is limited solely to ensuring compliance with the minimum criteria as set forth in the applicable section of Florida Administrative Code, and is not intended to guarantee the effectiveness of the plan. To enhance your plan's effectiveness, the Florida Fire Prevention Code requires that it be exercised periodically and that your staff be briefed and trained on your procedures so that the plan can be implemented at a moment's notice.

Extinguisher Training

All employees operating at the facility shall be periodically instructed in the use of portable fire extinguishers.

2.2 Construction of a Fire Line

Site access is available to allow truck access, see attached site plan.

2.3 Use of Heavy Earthmoving Equipment

The use of heavy equipment (front end loaders) to assist in the suppression of site fires is effective because they can separate the material that is on fire from material that is not burning. Orange County Fire Rescue Department will support and protect heavy equipment operators by way of exposure lines and oversight. Fire/Rescue will maintain control and have oversight of all emergency operations.

2.4 Water Supply and Use

A fire hydrant will be located near the waste processing building and should be used in the event of a fire. The fire hydrant will be installed during construction of the new processing building.

2.5 Personnel Safety and Fire Control

Fighting fires is a dangerous activity and could cause serious injury or fatality if hurried or incorrect decisions are rendered. Remember: The safety of personnel and equipment always comes first. The following standards are adopted from the U.S. Forest Service and are good rules to follow when encountering a fire:

1. **Keep informed of fire weather conditions and forecasts.** Be aware of the weather conditions, particularly to direction and velocity of the wind.
2. **Know what your fire is doing at all times.** Many small fires become large if not kept under constant observation.
3. **Base all actions on the current and expected behavior of the fire.** The action taken should be determined by everything that is happening and everything that might happen. Every fire has to be approached differently because of the changing conditions encountered.
4. **Have escape routes for everyone and make them known.** Identify escape routes and notify personnel where they are and what to do when they get to the safety zone. Use natural barriers as much as possible.
5. **Post a lookout when there is a possible danger.** A lookout observer, with communications capability, can view the "large picture" of the fire containment process and can see if any potential danger may exist for those fighting the fire directly.
6. **Be alert, keep calm, think clearly, act decisively.** When faced with a situation, think, know, understand what is happening and keep calm. Panic can injure personnel.
7. **Maintain prompt communication with personnel, supervisor, and adjoining forces.** Adequate communication is essential to good fire control safety.
8. **Give clear instructions and be sure they are understood.** Issue concise instructions and make sure the personnel understand the directions precisely.
9. **Maintain control of personnel at all times.** When issuing assignments, one consideration should be the reliability of the personnel. Other considerations will include inspection of tools and coordination of available equipment.

10. **Fight fire aggressively, but provide for safety first.** Aggressive action is the key to fire suppression, but it must neither shortcut nor violates any safety rule covering a particular situation.

2.6 Protective Clothing

One of the best ways to prevent injury during a fire is to wear gloves, goggles, and protective clothing, including proper footwear. Gloves should be comfortable and the right size to prevent abrasions and blisters. Goggles should have vents in the side and should be designed for the greatest possible field of vision. Lace-up boots are preferred, especially for uneven terrain. Heavy socks should be worn with boots.

2.7 Operational Fire Prevention.

1. Combustible waste materials such as paper, cardboard, and other debris shall not be permitted to accumulate in a quantity or location that constitutes an undue fire hazard.
2. Smoking shall be prohibited except in specified safe locations approved by the authority having jurisdiction. Signs that read "No Smoking" shall be posted in those areas where smoking is prohibited, and signs indicating areas designated, as safe for smoking shall be posted in those locations.
 - (A) Smoking areas shall be provided with approved, noncombustible ash receptacles.
3. Access into yard areas by unauthorized persons shall be prohibited.
4. Storage areas shall be enclosed with a suitable fence equipped with proper gates located as necessary to allow the entry of fire department apparatus.
5. Miscellaneous occupancy hazards such as vehicle storage and repair shops, cutting and welding operations, flammable liquid storage, liquefied petroleum gas storage, and similar operations shall be safeguarded in accordance with recognized good practice.
6. Reference shall be made to NFPA standards that apply to specific occupancy hazards.
7. Vehicles and other power devices shall be of an approved type and shall be safely maintained and operated.

- (A) Vehicle fueling operations shall be conducted in specified safe locations, isolated from storage areas and principal operating buildings.
 - (B) Diesel- or gasoline-fueled vehicles that operate on hogged material or chip piles, in log storage areas, or in lumber storage areas shall be equipped with fixed fire-extinguishing systems of a type approved for off-road vehicles.
8. All electrical equipment and installations shall conform to the provisions of NFPA 70, *National Electrical Code*[®].
 9. Salamanders, braziers, open fires, and similar dangerous heating arrangements shall be prohibited.
 10. Heating devices shall be limited to approved-type equipment installed in an approved manner.
 11. Suitable safeguards shall be provided to minimize the hazard of sparks caused by equipment such as refuse burners, boiler stacks, vehicle exhausts, and locomotives.
 12. Cutting, welding, or other use of open flames or spark-producing equipment shall not be permitted in the storage area unless by an approved permit system.

2.8 Exposure Protection.

Exposure to the yard shall be protected in accordance with the following requirements:

1. Storage areas shall be separated from plant operations and other structures so that fire exposure into the product storage is minimized.
 - (A) Minimum separation shall be by means of a clear space permanently available for fire-fighting operations.
 - (B) The width of the clear space shall be based on the severity of exposure, which varies with the area, height, occupancy, construction, and protection of the exposing structure and the type of stacking and height of adjacent stacks.
2. Providing adequate clear space that is carefully kept free of combustible vegetation shall minimize forest, brush, and grass fire exposure.

(A) Clear space of a width at least equivalent to the driveway shall be provided for grass exposures, and clear space of a width not less than 30 m (100 ft) shall be provided between on-site buildings and adjacent wooded areas.

(B) In forested areas, a wider clear space shall be provided.

3. The intent of these provisions shall be to provide minimum fire protection requirements to minimize the fire hazard in large site storage areas containing lumber, wood panels, landscape and yard debris, and other similar wood products not intended for retail or wholesale distribution at the site.
4. The fire hazard potential inherent in forest product storage operations (logs, tree products, mulch, or other vegetative products) with large quantities of combustible material shall be controlled by a positive fire prevention program under the direct supervision of site manager that shall include the following:
 - (1) Selection, design, and arrangement of storage product areas and materials-handling equipment based on sound fire prevention and protection principles
 - (2) Means for early fire detection, transmission of alarm, and fire extinguishment, i.e., implementation of applicable parts of the Fire Fighting Agreement.
 - (3) Driveways to separate large stacks and provide access for effective fire-fighting operations
 - (4) Separation of storage from other plant operations and other exposing properties
 - (5) Effective fire prevention maintenance program, including regular site inspections by trained personnel

3.0 Fire Investigation

When determined by the Orange County Fire Rescue Department, fire investigation will be referred to the State Fire Marshal's Office and/or Division of Forestry for further investigation. Safety of the fire department and facility personnel will be the primary concern.

4.0 Disposal of Burned Debris

The burned debris will be isolated as much as practicable from the rest of the MRF using various means, such as earthen berms, pits, transport bins, etc. Once all hot spots have cooled and the fire is fully suppressed, the remains of burned debris will be disposed off-site at a properly permitted landfill. Oily residuals from burned tires will be stored in roll-off containers to be transported to appropriate facility for disposal.

The undersigned, as of this date, approve this agreement.

Carl L. Plaucher, Fire Chief
Manager
Orange County Fire and Rescue Department

~~Brian Short~~Bryant Thornton, General
All-Rite Recycling MRF

Date: _____

Date: _____