

**OPERATIONS PLAN  
ROCK CRUSHING  
PERDIDO LANDFILL  
ESCAMBIA COUNTY WASTE SERVICES DEPARTMENT  
ESCAMBIA COUNTY, FLORIDA**

**Prepared for:**

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June 27, 2017

## **INTRODUCTION**

### **1.1 PERMIT BACKGROUND**

Escambia County owns and operates an active Class I landfill known as the Perdido Landfill, located in Cantonment, Florida. The facility is managed and operated by the Escambia County Waste Services Department (WASTE SERVICES DEPARTMENT) under the jurisdiction of multiple State and/or Federal Permits. The Perdido Landfill occupies a total area of 424 acres which includes an active Class I Landfill, a closed Class I Landfill (FDEP Permit No. 0000667-031-SO-01), a Class III Landfill (FDEP Permit No. 0000667-033-SO-T3), a yard trash collection and processing facility, a waste tire collection center (FDEP Permit No. 0000667-034-WT-05), and a citizen's drop off center.

Per FDEP Environmental Resources regulations, the 424-acre site is regulated by an existing Stormwater Permit, No. 17-0000667-018-EI. The subject facility is also operating in full compliance with an issued Title V (NSPS) Air Permit, No. 0330246-008-AV. The subject facility is designed with a gas collection system, which regularly collects landfill gas and sends it to a blower flare station and then off-site to a gas-to-energy (GTE) facility operated by Gulf Power.

### **1.2 PURPOSE**

The Perdido Landfill accepts demolition debris, consisting of: concrete, asphalt and brick and stores these materials in a designated area on-site. The stockpile is maintained in an area less than 1 acre. This material is often re-used onsite (un-processed) for erosion control or in road construction. In the past, as the size of the stockpile has reached capacity (estimated at 10,000 cubic yards), a rock-crushing contractor has been mobilized onsite to perform rock recycling.

Per the Escambia County Development Services Department, the proposed processing activity requires the landowner (Escambia County) to obtain a "Recycling Permit" as stipulated by the County's Recycling Ordinance. This Operations Plan is intended to supplement the Waste Services Department Recycling Permit Application.

A Site Plan is included as Exhibit A showing the location of the proposed operation.

### **1.3 OPERATION**

Generally, the rock crushing contractor will possess a separate operating plan and be required to obtain any necessary permits to operate their equipment. It is the understanding of the Waste Services Department that the contractor will be required to possess an FDEP general air permit and will submit a "Facility Relocation Notification" form to the FDEP before operating. Additionally, the contractor will adhere to the operating conditions specified in the Escambia County's operation plan.

The project involves the crushing/recycling of 6,000 tons of used concrete, asphalt and brick at the Perdido Landfill. The debris will be crushed on-site and will be recycled for use on-site as road construction material. The crushing machine will be located at the stockpile area as shown

in Exhibit A. The crushing operation will be contracted in accordance with Escambia County purchasing requirements. The contractor will be licensed, insured and possess all necessary permits.

Quality control measures will be implemented by the engineering staff at the Waste Services Department, including monitoring the overall progress of the operation and to make sure that strict adherence to all County permits are being enforced. Most notably, air and stormwater quality should not be adversely impacted by the proposed operation. WASTE SERVICES DEPARTMENT staff will routinely inspect the site to ensure that existing drainage patterns and runoff are maintained in accordance with the site ERP Stormwater Permit. In addition, County staff may conduct environmental testing to determine and monitor respirable dust emission levels at the Perdido Landfill property. Respirable dust, which includes silica dust, emission levels shall not exceed the PM<sub>2.5</sub> fine particle standard of 35 µg/m<sup>3</sup> (micrograms per cubic meter of air) consistent with the protective human health emission standards established by the U.S. Environmental Protection Agency, the Centers for Disease Control and Prevention, and the Florida Department of Health. If a qualified expert determines that respirable dust emission levels exceed the PM<sub>2.5</sub> standard of 35 µg/m<sup>3</sup> on any single occasion, based upon an hourly average of sixty (60) samples taken at a rate of one sample per minute, such determination shall result in the immediate ceasing of crushing operations. The operation will be limited to non-windy days in addition to employing water spraying to limit dust emission and maintain compliance with the above requirements.

In accordance with the negotiated contractual price (\$/ton), the processed material will be weighed using a loader bucket scale as a means of compensation. The processed material will be stored in a separate pile from the unprocessed material but still contained within the stockpile area footprint. At no point should the processed material be placed outside of the stockpile area. Upon mobilization, the operation is expected to last between 2-4 weeks.

# EXHIBIT A



