



ESCAMBIA COUNTY  
WASTE SERVICES DEPARTMENT

**Crushing of Recycled Concrete Rubble at the Perdido Landfill**

SCOPE OF WORK

The Contractor shall process up to **6,000 tons** of concrete rubble stockpiled at the Perdido Landfill.

1. Contractor shall supply the equipment necessary to process the recycled concrete rubble to an approximate size of 1.5”.
2. Contractor shall supply dust control throughout the processing.
3. Materials other than the concrete shall be removed and set aside. Disposal of materials other than concrete shall be the responsibility of Waste Services. The disposal will be at no cost to the Contractor.
4. Waste Services shall pay for the crushed concrete based on the weight verification process agreed upon between the Contractor and Waste Services.
5. Contractor will have access to site 7:00 a.m. through 5:00 p.m. Monday through Saturday. Extended hours available upon request.
6. Please read through the Operations Plan document which describes Contractor permit requirements.
7. Contractor shall supply a quote based on a per-ton price.
8. Contractor to provide a timeframe to complete processing.

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

**Prepared for:**

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## **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 (WSD) 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 citizens' 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, which consists 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 on site (un-processed) for erosion control or in road construction. In the past, as the size of the stockpile has reached capacity, a rock-crushing contractor has been mobilized on site 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 WSD 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 WSD 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 up to 5,000 CY (cubic yards) 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 WSD, 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. WSD 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 PM2.5 fine particle standard of 35  $\mu\text{g}/\text{m}^3$  (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 PM2.5 standard of 35  $\mu\text{g}/\text{m}^3$  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

