



## Public Informational Drop-in

November 30, 2017

### Project Overview

On August 3, 2017, the Bureau of Water (BOW) received the RDA Quarry application for coverage under the National Pollutant Discharge Elimination System (NPDES) General Permit for Discharges Associated with Nonmetal Mineral Mining Facilities. DHEC renewed the NPDES General Permit in 2017 after holding a public comment period. The renewed NPDES General Permit will be effective January 1, 2018. DHEC is currently evaluating the facility's application for coverage under the NPDES General Permit. Below is a summary of what DHEC expects as a result of this process. ***Please also refer to the map on the back of this page.***

### Permit Features & Process

The NPDES General Permit would allow the RDA Quarry to discharge water from mine dewatering, process-generated wastewater and stormwater to Murray Swamp, which flows to Johnson's Swamp and then Horse Pen Swamp before reaching the Black River. The General Permit contains technology-based and water quality-based limits derived from standards designed to protect water quality, as established in SC Regulation 61-68. The BOW does not expect any negative impacts to recreational uses or scenic corridors, and it does not expect any fish kills or deterioration of the river and associated wetlands as a result of the proposed quarry's discharge. The discharge is subject to **monthly** monitoring for flow, total suspended solids (TSS) and pH, and **quarterly** monitoring for oil and grease (O&G). The limits are below:

Flow	Daily Maximum - Monitor & Report	Monthly Average - Monitor & Report
TSS	Daily Maximum - 45 milligrams per liter	Monthly Average - 25 milligrams per liter
pH	6.0 to 8.5 standard units	
O&G	Daily Maximum - 15 milligrams per liter	Monthly Average - 10 milligrams per liter

The quarry must also have, and follow, a Stormwater Pollution Prevention Plan (SWPPP) that establishes Best Management Practices (BMPs) to effectively limit the amount of pollutants, mainly sediment, that are discharged from the site. To accomplish this, the facility proposes to route most of the stormwater into the pit for containment and settling. From there, a portable pump will transfer water to an on-site 9.9 acre sediment/retention pond located near Murray Swamp. When the retention pond is full, the water will discharge through the outfall into Murray Swamp.

Some of the water from the retention pond will be used to wash the stone removed from the mine. The wash water will be routed through a closed circuit series of clarification ponds to remove limestone fine particles prior to discharge back to the retention pond. As the retention ponds and clarification ponds become full of this material, the sediment and fine particles will be removed and back-filled into the pit.

#### **BOW Contact**

*To ask questions regarding BOW's permitting process, contact:*

**Brett Caswell**

Email: [caswelbm@dhec.sc.gov](mailto:caswelbm@dhec.sc.gov)

Phone: (803) 898-4396