



United States Department of Agriculture
 Natural Resources Conservation Service
 2070 Northbrook Blvd., Unit A-8
 North Charleston, SC 29406-9253
 843-727-4160 ext. 5079

May 24, 2019

Mr. Ryan Knott
 DHEC – BLWM
 2600 Bull Street Columbia,
 knottrs@dhec.sc.gov

Mr. Knott,

The USDA NRCS North Charleston Service Center was made aware of South Carolina DHEC Application I-002231. The applicant has filed SC DHEC NOI Land Application General Permit for Mine Dewatering and Stormwater Associated with Nonmetallic Mineral Mining Facilities, NDG7300. The underlying engineering for the project appears to rely on an NRCS Custom Soil Resource Report for Charleston County Area.

Site Soils Information

According to National Resource Conservation Service NRSC soils data primary mining area soils are Sk, Seabrook loamy sands presented below. The NRSC soil data report is provided in Attachment A.

<p>Setting</p> <ul style="list-style-type: none"> • Landform: Marine terraces • Landform position (three-dimensional): Tread • Down-slope shape: Linear • Across-slope shape: Linear • Parent material: Sandy marine deposits
<p>Typical Profile</p> <ul style="list-style-type: none"> • 0 to 9 inches: loamy fine sand • 9 to 60 inches and greater: sand • Depth to restrictive zone: more than 80 inches
<p>Slope</p> <ul style="list-style-type: none"> • 0 to 2 percent
<p>Runoff Class</p> <ul style="list-style-type: none"> • Very Low
<p>Hydrologic Group</p> <ul style="list-style-type: none"> • B, moderate to well drained
<p>Depth to Water Table</p> <ul style="list-style-type: none"> • 18 to 30 inches



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The USDA NRCS Resource Soil Scientist has not evaluated the technical merits of the engineering within the application however, we do want to stress the NRCS Soil Survey should not be used as sole support for engineering activities and calculations. The purpose of the area survey is for general farm, local, and wider area planning. For engineering applications, we highly recommend onsite investigation utilizing personnel certified in soil classification.

Should you have any questions about the USDA NRCS Soil Survey please contact me at 843-727-4160 ext. 3 or lori.bataller@usda.gov.

Sincerely,

A handwritten signature in cursive script that reads "Lori Bataller".

Lori Bataller
District Conservationist