



Richard Broughton  
Environmental Services Manager  
Carolina South District

March 29, 2018

CERTIFIED MAIL  
RETURN RECEIPT REQUESTED  
7017 3380 0000 3350 5131

Mr. Joseph Koon  
Manager, Mining & Reclamation Section  
Division of Mining and Solid Waste Permitting  
Bureau of Land & Waste Management  
SCDHEC  
2600 Bull Street  
Columbia, SC 29201

**RECEIVED**

APR 03 2018

**DIVISION OF MINING &  
SOLID WASTE MANAGEMENT  
BL&WM**

RE: Orangeburg Quarry, Permit No. I-000802  
Mine Permit Modification Application

Dear Mr. Koon:

In 2015 Martin Marietta purchased 4,357 acres of property known as the Walworth Plantation Property from Mead Westvaco. This property contained the 1040.3 acres of leased property in our Orangeburg Quarry Mine Permit and considerable property to the north and west of the existing quarry. Martin Marietta has prepared a major modification application for the Orangeburg Quarry to add 1,017 acres to the permit for the expansion of our current pit. This additional property will allow us to continue to develop the new pit and keep the electric dragline operating efficiently.

In preparation for the application we had S&ME conduct a cultural resources survey of 2,713 acres of the Walworth Plantation Property and an additional 92 acres of property we already owned. This survey found two new archeological sites eligible for inclusion in the National Register of Historic Places (NRHP). Avoidance or mitigation of these sites is recommended. The Walworth Cemetery is on the property dating from the early 20<sup>th</sup> century. Additionally the survey found 4 structures associated with the Walworth Farms operated on this property from 1946 – 1986 that are eligible for the NRHP. Adjacent to the property to the north is the Numertia Plantation which was listed on the NRHP in 1982 and the Walworth and Apsley Plantation houses which are both eligible for the NRHP.

Keely Lewis with the State Historic Preservation Office (SHPO) reviewed this report and in a letter dated October 12, 2017 accepted the report as final. SHPO recommends the following:

- Avoidance of the two new unevaluated sites (30OR0371 & 38OR0372) with a 100 foot buffer around the perimeter of the sites.

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- The establishment of appropriate buffer zones to ensure the 3 off site plantations and the 4 farm structures are not adversely impacted.
- Avoidance of the Walworth Cemetery with a 50 foot buffer around the perimeter.
- Consultation with DHEC and SHPO regarding the erection of a roadside historic marker along Gardensgate Road as mitigation for the demolition of two concrete silos to avoid an uncontrolled collapse.

All of the above referenced sites, including the cemetery and the farm structures are in the 1500+ acres of property that will be outside of the proposed mining operation. The Walworth Plantation house will be 3,990 feet from the nearest point of the new permitted property. The Numertia and Aspley Plantations will be over 7,000 feet from the nearest point. This modification will not affect any of these sites. Martin Marietta will probably demolish the two concrete silos referenced in the report for safety reasons at some point in the future. We will coordinate with SHPO and work out the wording and erection of a roadside historic marker as recommended. All of the sites are shown in red on the revised Land Use Map.

In January 2018 Martin Marietta conducted a wetland delineation of the proposed additional property, as well as property already permitted for future mining. The wetlands delineated are shown in blue on both the Land Use Map and the Mining Plan. We believe that most, if not all of these delineated wetlands are isolated. Many of them are simply historical sinkhole features. On February 6, 2018 a request for a Jurisdictional Determination was submitted to the USACOE. We had hoped to at least have a site visit from the COE prior to submittal of this application, but to date we have had no response to our request. Our proposed mining plan calls for mining through many of these wetlands. If, after review by the COE, some of these wetlands are deemed jurisdictional, Martin Marietta will proceed with an application for a 404 permit. We will forward a copy of the JD once it is issued from the COE and will keep you apprised of any required permitting.

On May 27, 2016 we turned the pit pumps off and stopped dewatering the active pit. To date, water levels have returned almost to top of rock and we have not discharged any pit water. We do maintain a pump in Pit 3 to recharge Pit 1. Pit 1 is the source of water for the plant to provide wash water and dust suppression and it appears to be hydraulically isolated from Pit 3. While we have not had to discharge any water from the active pit since May 2016, we do not want to give up that ability at this time. It is possible in the future after significant rain events, such as hurricanes, water levels could rise above top of rock. Situations like this would cause the electric dragline to be operating in water. In this case we would want the ability to pump off enough water to bring the level back down to the top of the rock to keep the dragline on dry ground.

Enclosed with this letter please find the following:

- A completed MR-1300 – Application for Modifying a Mine Operating Permit
- Two 11 X 17 copies of the revised Mine Maps (Land Use, Mining Plan & Reclamation Map)
- Two full size copies of the revised Mine Maps (Land Use, Mining Plan & Reclamation Map)
- A revised reclamation cost estimate
- A revised LEA for the additional Property

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- A full size and 11X17 copy of the property map showing locations of adjoining property owners and a printout of all adjoining property owners' names and addresses.
- A copy of the October 12, 2017 letter from SHPO regarding the Cultural Resources Survey of the property.
- A check in the amount of \$600 to cover the application fee.

If you need a copy of the full cultural resources survey report, we can provide you with one. Additional maps can be submitted as needed, we can also email PDF versions of the maps to you if these are needed.

If you have any questions about this application or if you should need any additional information, please email me at [richard.broughton@martinmarietta.com](mailto:richard.broughton@martinmarietta.com) or give me a call at 803 978-6275.

Sincerely,

A handwritten signature in black ink, appearing to read 'Richard Broughton', with a long horizontal flourish extending to the right.

Richard Broughton  
Environmental Services Manager  
Carolina South District