



Permit No.	Scan Date	DIN
1812-INDUS-2008	September 21, 2016	26746

526 South Church Street:
Mail Code EC13K
Charlotte, North Carolina 28202
980-373-5697

RECEIVED
September 20, 2016
Solid Waste Section
Asheville Regional Office

September 19, 2016

North Carolina Department of Environmental Quality
Division of Waste Management
Solid Waste Section
2090 U.S. Highway 70
Swannanoa, North Carolina 28778

Attn: Mr. Larry Frost

Re: Industrial Landfill No.1 Compaction Modification Request
Permit No.: 1812-INDUS
Marshall Steam Station
Catawba County
Terrell, North Carolina 28682

Dear Mr. Frost,

As discussed via phone conversation on September 7, 2016, Duke Energy requests approval for modification to the intermediate cover compaction specification for exterior slopes at Marshall Steam Station's Industrial Landfill No. 1 (Permit No. 1812-INDUS). The requested modification is to revise the minimum compaction requirement from 95 percent of Standard Proctor (ASTM D 698) maximum dry density to 90 percent; this requirement is found in Section 2.4 of the *Operations Quality Assurance Plan* located in the *Operations Plan – Revision 5, Duke Energy Carolinas, LLC – Marshall Steam Station, Industrial Landfill No. 1 – Phase 1, Permit No. 1812, Catawba County, Terrell, North Carolina*. The requested modification is shown below by an underline. The current moisture content requirement would not change.

2.4 QA Field Testing

QA field testing shall be performed to monitor the compaction and moisture conditioning during waste placement. Waste ~~and interim cover soil~~ shall be compacted to a minimum 95 percent of its Standard Proctor (ASTM D 698) maximum dry density, and interim cover soil shall be compacted to a minimum 90 percent of its Standard Proctor (ASTM D 698) maximum dry density. Compacted moisture content of waste shall be within 5 percent of the material's optimum moisture content and within 3 percent for interim cover soil as determined by ASTM D 698.

Duke Energy proposes to revise this section of the Operations Plan to include the above requested modification during the next Permit amendment or modification. If there are any questions regarding this request, please contact me at (980) 373-5697.

Respectfully Submitted,

A handwritten signature in blue ink that reads "B. Tyler Hardin". The signature is written in a cursive style and is positioned above the typed name.

Tyler Hardin

Environmental Services

Cc (via e-mail): Ed Mussler, NCDEQ

Kyle Baucom, Duke Energy
Dan Zakary, Duke Energy
Jeff Jones, Duke Energy