



Form/Army/Co ID #	Date	Doc ID#
CCB0011	8/11/11	DIN 14813

UNITED STATES MARINE CORPS
MARINE CORPS AIR STATION
POSTAL SERVICE CENTER BOX 8003
CHERRY POINT, NORTH CAROLINA 28533-0003

IN REPLY REFER TO:
5090/11401
LN
November 3, 2009

Ms. Elizabeth S. Werner
NC Division of Waste Management
Solid Waste Section
1646 Mail Service Center
Raleigh, NC 27699-1646



Dear Ms. Werner:

In accordance with 15A NCAC 13B .1706(d), enclosed is the engineer's certification of compliance with 15A NCAC 13B rules governing use of coal ash as structural fill in the Marine Corps Air Station Cherry Point rifle range impact berm improvement project.

If you have questions or comments, please direct them to Ms. Alicia Filzen of the Environmental Affairs Department at (252) 466-5391.

Sincerely,

D. A. McFARLAND
Supervisory Environmental Engineer
By direction of the
Commanding Officer

Enclosure: 1. Carolina Engineers certification



CAROLINA ENGINEERS, PA

Geotechnical • Construction Materials • Forensic • Site Development • Surveying

October 29, 2009

North Carolina Department of Environment and Natural Resources
Division of Waste Management, Solid Waste
1646 Mail Service Center,
Raleigh, NC 27699-1646

Attention: Mrs. Elizabeth S. Werner

Subject: Increase Impact Berm Height
MCAS Cherry Point, North Carolina
Bottom Ash Product Structural Fill Cover

Dear Mrs. Werner:

I, Carl C. Huddle, PE, as a duly registered Professional Engineer in the State of North Carolina, having been authorized to test and inspect the placement of structural fill for the building of the Impact Berm at MCAS Cherry Point located in Craven County, North Carolina hereby state that, to the best of my abilities, due care and diligence was used in the field inspection and testing such that the structural fills were properly placed and compacted in compliance and intent of the Geotechnical Engineering Evaluation prepared by Carolina Engineers, PA dated February 23, 2009. In addition, Per 15A NCAC 13B.1706, I certify that the final surface of the structural fill was graded and provided with drainage systems minimizing erosion of structural fill cover materials, promoting the drainage of area precipitation, and minimizing infiltration and preventing the ponding of surface water on the structural fill. During the construction process, North Carolina Solid Waste Management 15A NCAC 13B Rules .1701, .1702, .1704, .1705, .1706, .1707, .1708, .1709, and .1710 were adhered to.

Sincerely,
CAROLINA ENGINEERS, P.A.

CARL C. HUDDLE, P. E.
President

North Carolina Registration No. 20670

