



November 23, 2010

Ms. Elizabeth Werner, Hydrogeologist
North Carolina Department of Environment and Natural Resources
Division of Waste Management
1646 Mail Service Center
Raleigh, NC 27699-1646



Reference: **REQUEST TO INSTALL ADDITIONAL GROUNDWATER
MONITORING WELLS
Marshall Dry Ash Landfill Permit #18-04
Duke Energy Marshall Steam Station
Catawba County, North Carolina
S&ME Project No. 1411-09-097**

Dear Ms. Werner:

On behalf of Duke Energy (Duke), S&ME, Inc. submits this request to voluntarily install two (2) additional groundwater monitoring wells at the Marshall Dry Ash Landfill (Permit #18-04). As we discussed in our telephone conversation on November 8, 2010, Duke requests to install monitoring well MW-6 inside of the Waste Boundary and monitoring well MW-7 inside of the Review Boundary, at the approximate locations shown on Figure 1.

As we discussed in our telephone conversation, the Marshall Ash Landfill is located adjacent to the Marshall ash basin. As shown on Figure 1, the landfill is located inside of the ash basin Compliance Boundary. Due to the proximity of the landfill and the ash basin, groundwater monitoring wells MW-2, MW-3, and MW-5 may be influenced by the landfill and the ash basin.

Duke is requesting to voluntarily install wells MW-6 and MW-7 to assist in understanding the groundwater flow in the area of the landfill and to assist in evaluating the analytical results for wells MW-2, MW-3, and MW-5.

We understand that the analytical results obtained from wells MW-6 and MW-7 will not be used to determine compliance with groundwater standards since these wells are located inside of the Review Boundary. These wells will be sampled during the regular required sampling event for the other groundwater monitoring wells at the Marshall landfill and the results submitted to NCDENR. As we discussed, Duke may elect to continue to monitor these wells or may elect to discontinue monitoring.

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Wells MW-7 and MW-8 will be installed in accordance with regulation NCAC Subchapter 2C Section .0108 (Standards of Construction for Wells Other than Water Supply). The wells will be installed under the on-site supervision of a North Carolina registered geologist. After installation, the completed Well Construction Records will be submitted.

If you have any questions regarding this request, please contact me at 828-687-9080.

Sincerely,

S&ME, Inc.



William M. Miller, PE
Senior Project Engineer

Attachment: Figure 1

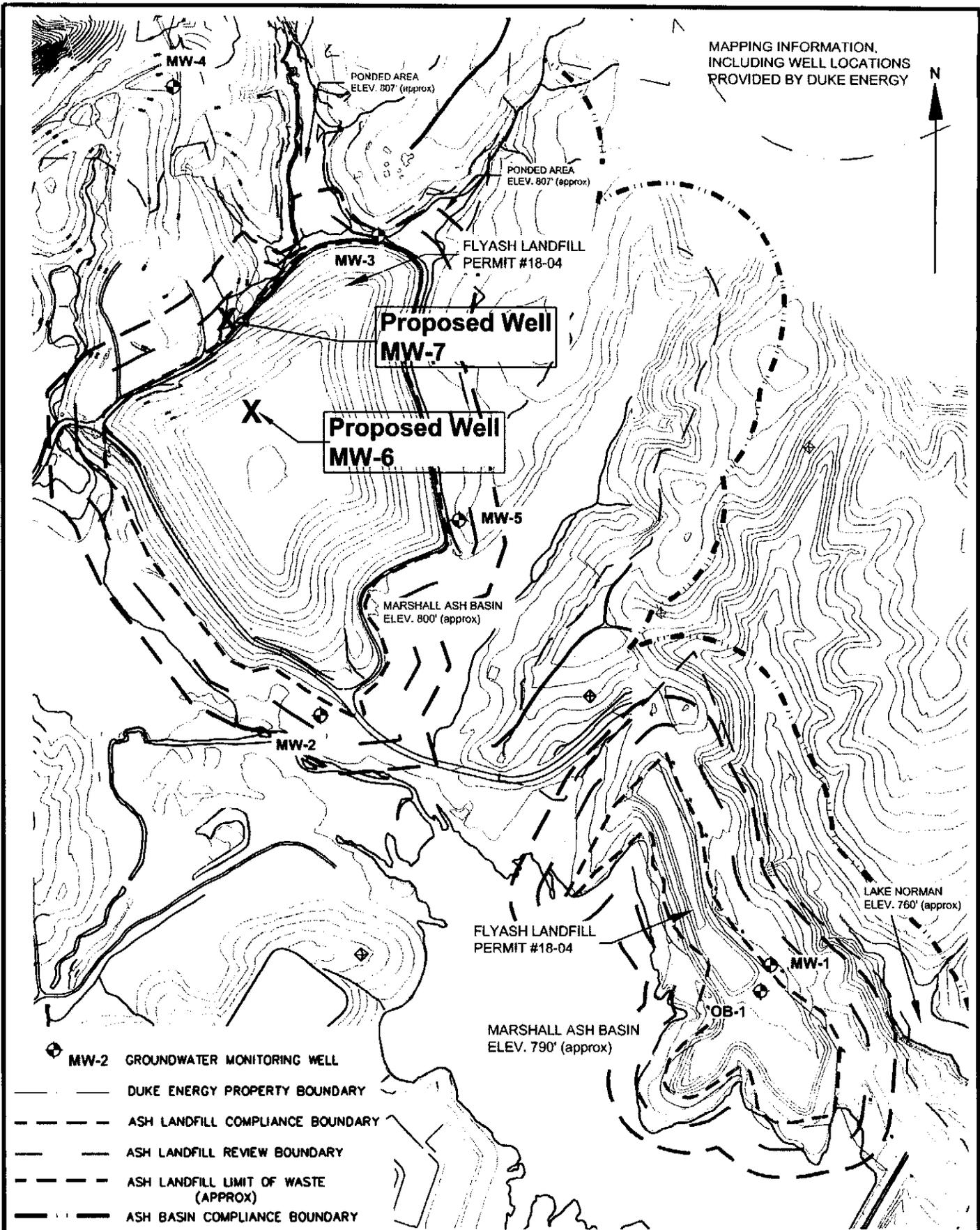
WMM/DRL

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cc:

Duke Energy
PO Box 1006
Charlotte, NC 28201-1006
Attn: Ed Sullivan, P.E. Mail Code EC13K

Duke Energy
Marshall Steam Station
8320 East Highway 150
Terrell, NC 28682
Attn: Donna Burrell, Environmental Coordinator



SCALE:	1 inch = 600 ft
CHECKED BY:	
DRAWN BY:	W.MILLER
DATE:	11-23-2010



DUKE ENERGY
 MARSHALL STEAM STATION
 FLYASH LANDFILL PERMIT #18-04
 PROPOSED ADDITIONAL
 MONITORING WELLS

PROJECT: 1411-09-097

FIGURE NO:
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