LEGEND:

- PROPERTY BOUNDARY
- COMPLIANCE BOUNDARY
- COMPLIANCE BOUNDARY COINCIDENT WITH DUKE ENERGY PROPERTY BOUNDARY
- WASTE BOUNDARY
- ASH STORAGE AREA BOUNDARY
- TOPOGRAPHIC CONTOUR
- COMPLIANCE GROUNDWATER MONITORING WELL

NOTES:
1. PARCEL DATA FOR THE SITE WAS OBTAINED FROM DUKE ENERGY AND ROCKINGHAM COUNTY AND IS APPROXIMATE.
2. WASTE BOUNDARY IS APPROXIMATE.
3. AS-BUILT MONITORING WELL LOCATIONS PROVIDED BY DUKE ENERGY.
4. (S) SHALLOW MONITORING WELLS - WELL SCREEN INSTALLED ACROSS THE SURFICIAL WATER TABLE. SEE SHEET 2.
5. (D) DEEP MONITORING WELLS - WELL SCREEN INSTALLED IN THE TRANSITION ZONE BETWEEN COMPETENT BEDROCK AND THE REGOLITH. SEE SHEET 2.
6. TOPOGRAPHY DATA FOR THE SITE WAS OBTAINED FROM NC DOT GEOGRAPHIC INFORMATION SYSTEM (GIS) WEB SITE.
7. ORTHOPHOTOGRAPHY WAS OBTAINED FROM NC ONEMAP GIS WEB SITE (DATED 2007).
8. THE COMPLIANCE BOUNDARY IS ESTABLISHED ACCORDING TO THE DEFINITION FOUND IN 15A NCAC 02L .0107 (a).

Dan River Steam Station
Ash Basin Compliance Groundwater Monitoring Well Construction Data
As-Built Data

Well ID	Coordinates		TOC Elevation	Screen Interval	Top of Rock
	Northing (feet)	Easting (feet)	(feet)	(feet bgs)	(feet bgs)
MW-20S	1,000,690.53	1,788,917.72	562.28	4 - 19	---
MW-20D	1,000,692.39	1,788,922.72	562.23	36.5 - 41.5	29.8
MW-21S	998,981.03	1,790,997.03	498.80	3.5 - 8.5	---
MW-21D	998,974.10	1,790,995.70	498.90	13.6 - 18.6	9.0
MW-23D	999,329.97	1,786,365.57	528.22	6.7 - 16.7	8.0

NOTES:
1. COORDINATES SHOWN ARE BASED ON THE NORTH CAROLINA STATE PLANE COORDINATE SYSTEM.
2. HORIZONTAL DATUM OF NC GRID NAD 1983 (NSRS 2007).
3. ELEVATIONS SHOWN ARE REFERENCED TO THE NAVD 88 VERTICAL DATUM.
4. COORDINATES AND ELEVATIONS SHOWN ARE IN U.S. SURVEY FOOT.
5. MONITORING WELL LOCATIONS ARE OBTAINED FROM DUKE ENERGY PER AS-BUILT SURVEY MAP TITLED 003018-378566 MONITORING WELLS.
6. SCREEN INTERVAL AND TOP OF ROCK INFORMATION FROM MACTEC PROJECT NO.6228-10-5284.
7. TOC = TOP OF CASING.
8. BGS = BELOW GROUND SURFACE.

SHEET NO. 1 OF 2

ASH BASIN COMPLIANCE
GROUNDWATER MONITORING WELLS

DUKE ENERGY DAN RIVER STEAM STATION
ROCKINGHAM COUNTY, NORTH CAROLINA

Duke Energy®

REV.	DATE	DESCRIPTION	BY	CHK	APV
0	3-22-2011	SUBMITTED TO NC DENR	MV	WMM	JDL

FILE PATH: P:\Duke - Ash Basin GW Support - 2370\2370.01 Project Mgmt. - General Eng\Dan River - DENR Letter and Figures\Dan River Letter to DENR - Figures

ALTAMONT ENVIRONMENTAL, INC.
ENGINEERING & HYDROGEOLOGY
231 HAYWOOD STREET, ASHEVILLE, NC 28801
TEL.828.281.3350 FAC.828.281.3351
WWW.ALTAMONTENVIRONMENTAL.COM
NC ENGINEERING FIRM #C-2185

DRAWN BY:
MARTA VANDUSSEN
PROJECT MANAGER:
BILL MILLER
CLIENT:
DUKE ENERGY

SCALE (FEET)
150' 0 150' 300'
1" = 300'

NORTH CAROLINA PROFESSIONAL SEAL 17661 ENGINEER WILLIAM M. MILLER
3/22/11