



**Buck Steam Station  
Ash Basin Compliance Groundwater Monitoring Well Construction Data  
As-Built Data**

Well ID	Northing (feet)	Easting (feet)	TOC Elevation (feet)	Screen Interval (feet Dgs)	Top of Rock (feet Dgs)
MW-65	712,874.93	1,593,924.34	721.25	18.0 - 28.0	...
MW-6D	712,873.29	1,593,919.79	721.10	103.5 - 108.5	99.3
MW-7S	712,537.28	1,593,013.11	710.62	3 - 18	...
MW-7D	712,532.83	1,593,010.68	710.72	99 - 104	95
MW-8S	711,960.87	1,592,189.10	713.19	6 - 21	...
MW-8D	711,955.48	1,592,190.95	712.94	56 - 61	61.5
MW-9S	714,910.44	1,591,262.00	638.78	3.8 - 13.8	...
MW-9D	714,907.48	1,591,257.96	638.51	24.2 - 29.2	16
MW-10D	716,740.41	1,593,624.80	682.27	34.7 - 49.7	47.5
MW-11S	716,885.10	1,595,175.35	637.46	3 - 18	...
MW-11D	716,889.72	1,595,176.93	636.94	32.5 - 37.5	25
MW-12S	714,893.24	1,595,855.43	681.28	3.3 - 18.3	...
MW-12D	714,889.36	1,595,855.91	681.19	44.5 - 49.5	36
MW-13D	713,258.93	1,594,992.11	696.76	28 - 33	30

- NOTES:
- COORDINATES SHOWN ARE BASED ON THE NORTH CAROLINA STATE PLANE COORDINATE SYSTEM.
  - HORIZONTAL DATUM OF NC GRID NO. 1989 (NRS 2007).
  - ELEVATIONS SHOWN ARE REFERENCED TO THE NAVD 88 VERTICAL DATUM.
  - COORDINATES AND ELEVATIONS SHOWN ARE IN U.S. SURVEY FEET.
  - MONITORING WELL LOCATIONS ARE OBTAINED FROM DUKE ENERGY PER AS-BUILT SURVEY MAP TITLED 02088-378799 MONITORING WELLS.
  - SCREEN INTERVAL AND TOP OF ROCK INFORMATION FROM MACTEC PROJECT NO 6288-10-5284 TITLED ASH BASIN MONITORING WELL INSTALLATION REPORT BUCK STEAM STATION, DATED MARCH 31, 2011.
  - TOC = TOP OF CASING.
  - BGS = BELOW GROUND SURFACE.

- LEGEND:
- PROPERTY BOUNDARY
  - COMPLIANCE BOUNDARY
  - COMPLIANCE BOUNDARY CONCENTRIC WITH DUKE ENERGY PROPERTY BOUNDARY
  - WASTE BOUNDARY
  - ASH STORAGE BOUNDARY
  - TOPOGRAPHIC CONTOUR (4')
  - COMPLIANCE GROUNDWATER MONITORING WELL

- NOTES:
- PARCEL DATA FOR THE SITE WAS OBTAINED FROM DUKE ENERGY AND ROWAN COUNTY AND IS APPROXIMATE.
  - WASTE BOUNDARY AND ASH STORAGE BOUNDARY ARE APPROXIMATE.
  - AS-BUILT MONITORING WELL LOCATIONS OBTAINED FROM DUKE ENERGY. THE SURFICIAL WATER TABLE, SEE SHEET 2.
  - TOPOGRAPHIC DATA FOR THE SITE WAS OBTAINED FROM NC DOT GEOGRAPHIC INFORMATION SYSTEM (GIS) WEB SITE.
  - DEEP MONITORING WELLS (D) - WELL SCREEN INSTALLED IN THE TRANSITION ZONE BETWEEN COMPETENT BEDROCK AND THE REGolith, SEE SHEET 2.
  - TOPOGRAPHY DATA FOR THE SITE WAS OBTAINED FROM NC DOT GEOGRAPHIC INFORMATION SYSTEM (GIS) WEB SITE.
  - ORIENTED GRAPHIC DATA OBTAINED FROM MACTEC PROJECT NO 6288-10-5284 TITLED ASH BASIN MONITORING WELL INSTALLATION REPORT BUCK STEAM STATION, DATED MARCH 31, 2011.
  - THE COMPLIANCE BOUNDARY IS ESTABLISHED ACCORDING TO THE DEFINITION FOUND IN 15A N.C.A.C. 02.1007 (b).

SHEET NO. **1** OF **2**

**ASH BASIN COMPLIANCE  
GROUNDWATER MONITORING WELLS**

**DUKE ENERGY BUCK STEAM STATION  
ROWAN COUNTY, NORTH CAROLINA**

REV.	DATE	DESCRIPTION	BY	CHK.	APV.
0	4-6-2011	SUBMITTED TO MCDENR	WMM	JUL	

**ALTAMONT ENVIRONMENTAL, INC.**

**ENGINEERING & HYDROGEOLOGY**

231 HAYWOOD STREET, ASHEVILLE, NC 28801  
TEL. 828.281.3350 FAX. 828.281.3351  
WWW.ALTAMONTENVIRONMENTAL.COM

NC ENGINEERING FIRM #C-2185

DRAWN BY: PAUL DOW  
PROJECT MANAGER: BILL HULLER  
CLIENT: DUKE ENERGY

SCALE (FEET): 1" = 300'