Belews Creek 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 bgs)	Top of Rock (feet bgs)
MW-200S	929,458.70	1,683,065.88	635.89	2.4 - 10	---
MW-200D	929,457.98	1,683,060.81	636.05	11.5 - 16.5	11
MW-201D	928,562.86	1,686,914.24	783.98	30.8 - 40.8	30
MW-202S	921,472.88	1,683,331.79	789.97	37 - 57	---
MW-202D	921,477.01	1,683,327.04	790.78	84 - 89	79
MW-203S	925,599.25	1,681,605.68	786.14	24.6 - 39.6	---
MW-203D	925,588.28	1,681,611.54	785.57	84.4 - 89.4	80
MW-204S	926,748.45	1,681,146.05	776.29	16 - 31	---
MW-204D	926,744.91	1,681,144.75	776.78	33 - 38	33

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 007310-378567 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.

NOTES:
1. PARCEL DATA FOR THE SITE WAS OBTAINED FROM STOKES COUNTY AND DUKE ENERGY AND IS APPROXIMATE.
2. WASTE , STRUCTURAL FILL, AND ASH LANDFILL BOUNDARIES ARE APPROXIMATE.
3. MONITORING WELL LOCATIONS PROVIDED BY DUKE ENERGY.
4. SHALLOW MONITORING WELLS (S) - WELL SCREEN INSTALLED ACROSS THE SURFICIAL WATER TABLE.
5. DEEP MONITORING WELLS (D) - WELL SCREEN INSTALLED IN THE TRANSITION ZONE BETWEEN COMPETENT BEDROCK AND THE REGOLITH.
4. TOPOGRAPHY DATA FOR THE SITE WAS OBTAINED FROM NC DOT GEOGRAPHIC INFORMATION SYSTEM (GIS) WEB SITE.
5. ORTHOPHOTOGRAPHY WAS OBTAINED FROM NC ONEMAP GIS WEB SITE (DATED 2008).
6. THE COMPLIANCE BOUNDARY IS ESTABLISHED ACCORDING TO THE DEFINITION FOUND IN 15A NCAC 02L .0107 (a).

SHEET NO. 1 OF 2

ASH BASIN COMPLIANCE
GROUNDWATER MONITORING WELLS

DUKE ENERGY BELEWS CREEK STEAM STATION
STOKES COUNTY, NORTH CAROLINA

Duke Energy®

REV.	DATE	DESCRIPTION	BY	CHK	APV
0	04-13-2011	SUBMITTED TO NCDENR	PD	WMM	JDL

FILE PATH: P:\P:\Duke - Ash Basin GW Support - 2370\2370.03 As-Built Drawings - Ash Basin\Belews Creek\Figures\CAD\BCS MW As Built.dwg

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NC ENGINEERING FIRM #C-2185

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

SCALE (FEET)
250' 0 250' 500'
1" = 500'

NORTH CAROLINA PROFESSIONAL SEAL 17661 ENGINEER WILLIAM M. MILLER
4/13/11