

**RECEPTOR SURVEY
ALLEN STEAM STATION ASH BASIN
NPDES PERMIT NC0004979**



**Prepared for:
DUKE ENERGY CAROLINAS, LLC
Charlotte, North Carolina**

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October 10, 2014



REPORT VERIFICATION

**PROJECT: RECEPTOR SURVEY
ALLEN STEAM STATION ASH BASIN
NPDES PERMIT NC0004979**

This document has been reviewed for accuracy and quality commensurate with the intended application.

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Figure 1 Receptor Survey Map

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Table 1 Public and Private Water Supply Wells
 (Within 0.5 Mile Radius of Ash Basin Compliance Boundary)

Section 1

Introduction

Duke Energy Carolinas, LLC (Duke Energy) owns and operates the Allen Steam Station (Allen), located in Gaston County, North Carolina near the town of Belmont (Figure 1). Allen has been operating as a coal-fired generating station since 1957.

Coal ash residue from Allen's coal combustion process has historically been disposed of in the station's ash basin. The discharge from the ash basin is permitted by the North Carolina Department of Environment and Natural Resources (NCDENR) Division of Water Quality (DWQ) under the National Pollutant Discharge Elimination System (NPDES) Permit NC0004979.

HDR Engineering, Inc. of the Carolinas (HDR) has completed a receptor survey to identify water supply wells, public water supplies, surface water bodies, and wellhead protection areas (if present) within a 0.5 mile radius of the Allen ash basin compliance boundary (Figure 1).¹ The compliance boundary for groundwater quality in relation to the ash basin is defined in accordance with 15A NCAC 02L .0107(a) as being established at either 500 feet from the waste boundary or at the property boundary, whichever is closer to the source.

The survey activities performed and the findings of those activities are presented in Sections 3 and 4, respectively.

¹ A *Drinking Water Supply Well and Receptor Survey, Allen Steam Station Ash Basin, NPDES Permit NC0004979* report dated September 30, 2014 (submitted to NCDENR under separate cover), was completed to satisfy the requirements outlined in The Coal Ash Management Act 2014 – General Assembly of North Carolina Senate Bill 729 Ratified Bill (Session 2013) and the NCDENR August 13, 2014 Notice of Regulatory Requirements.

Section 2

Background

2.1 Plant and Ash Basin Description

Allen is a five-unit coal-fired electric generating plant with a capacity of 1,140 megawatts located on the west bank of the Catawba River on Lake Wylie, in Belmont, Gaston County, North Carolina. The site is located east of South Point Road (NC 273) and is generally situated between residential properties and Lake Wylie (Figure 1). The station's ash basin is situated between the Allen station to the north and surface water divides to the west (along South Point Road) and south (along Reese Wilson Road), which both drop in elevation to the east toward Lake Wylie. The surface water divide along South Point Road likely functions as a groundwater divide. The topography at the site generally slopes downward from that divide toward Lake Wylie. The entire Allen site is approximately 1,009 acres in area.

The station's ash basin consists of an active ash basin and an inactive ash basin. The active ash basin was commissioned in 1973 and is currently in operation.² The inactive ash basin is located to the north of the active ash basin and is not in operation. A large portion of the area on top of the inactive ash basin is permitted as an industrial landfill by the NCDENR Division of Waste Management (Permit No. 3612). The ash basin waste boundary, which is shown on Figure 1, is approximately 322 acres in area.

There are two earthen dikes impounding the active ash basin; the East Dike, located along the west bank of Lake Wylie and the North Dike, separating the active and inactive ash basins. The surface area of the active ash basin is approximately 169 acres¹ with an approximate operating pond elevation of 633.5 feet³. The full pond elevation of Lake Wylie is approximately 568.7 feet. The ash basin is an integral part of the station's wastewater treatment system, which receives flows from the ash removal system, coal pile runoff, landfill leachate, flue-gas desulfurization (FGD) wastewater, the station yard drain sump, and stormwater flows.

² Information obtained from Duke Energy Carolinas, LLC CERCLA 104(e) Request for Information to US Environmental Protection Agency, Allen Steam Station, dated March 26, 2009

³ The datum for all elevation information presented in this report is North American Vertical Datum of 1988.

Due to station operations and weather, the inflows to the ash basin are highly variable. The inflows from the ash removal system and other plant discharges are discharged through sluice lines into the ash basin. Prior to 2009, all of the fly ash produced was sluiced to the ash basin. Since 2009 fly ash has been dry-handled and is infrequently sluiced to the ash basin. All of the bottom ash produced by the station is sluiced to the ash basin.

Effluent from the ash basin is discharged from the discharge tower via a 42-inch diameter reinforced concrete pipe, to Lake Wylie. The water surface elevation in the ash basin is controlled by the use of stop logs in the discharge tower.

2.2 Description of Surrounding Properties

Properties located within a 0.5 mile radius of the Allen ash basin compliance boundary generally consist of Allen to the north with residential properties beyond, residential properties in Gaston County to the west and south, and residential properties in Mecklenburg County to the east and southeast across Lake Wylie.

Figure 1 depicts the general land use surrounding Allen.

Section 3

Receptor Survey Activities

3.1 NCDENR Records Review

On July 10, 2014, Mr. Justin Schumacher with HDR contacted Mr. Sean McGuire, Geographic Information System (GIS) Specialist with the NCDENR Department of Environmental Health (DEH) Public Water Supply Section (PWSS), by telephone. Mr. McGuire stated that the Public Water Supply Water Sources GIS point data set was in the process of being updated. The most current GIS data set of public water supply locations available from North Carolina state agencies was provided by Mr. McGuire via electronic mail on July 14, 2014. The GIS point data for the public water supply wells includes, but is not limited to information such as public water supply (PWS) system identification numbers, ownership information, PWS source type, well depth, and well yield. HDR reviewed the GIS data set to identify public water supply sources within a 0.5 mile radius of the Allen ash basin compliance boundary.

On August 14, 2014, HDR reviewed the NCDENR Division of Water Resources (DWR) Source Water Assessment Program (SWAP) online database for public water supply sources to identify wells located within a 0.5 mile radius of the ash basin compliance boundary, to confirm the location of wells included in the Public Water Supply Water Sources GIS point data set, and to identify wellhead protection areas located within a 0.5 mile radius of the compliance boundary. The NCDENR SWAP database provides detailed assessments of all public drinking water intakes and wellhead protection areas in North Carolina. The website address is: (<http://swap.ncwater.org/website/swap/viewer.htm>).

3.2 Gaston County Records Review

HDR contacted the Gaston County Environmental Health Department to inquire about the location and details (if available) for registered private water supply wells located in Gaston County within a 0.5 mile radius of the ash basin compliance boundary. On August 15, 2014, Mr. Justin Schumacher with HDR contacted Ms. Samantha Dye, Assistant Administrator with the

Gaston County Environmental Health Department. Ms. Dye informed Mr. Schumacher that she researched Gaston County's records, which date back to 1989, for private and/or public water supply wells within a 0.5 mile radius of the ash basin compliance boundary.

3.3 Mecklenburg County Records Review

On August 14, 2014, HDR reviewed Mecklenburg County's Groundwater and Wastewater Services Well Information System online database to identify private or public water supply wells located in Mecklenburg County within a 0.5 mile radius of the ash basin compliance boundary. Established in 2002, the database provides Mecklenburg County's collection of data about well and septic system permitting, subsurface investigation permitting, monitoring well registration and abandonment, and Mecklenburg Priority List sites. The website address is: (http://meckmap.mecklenburgcountync.gov/WIS_3/index.html).

3.4 Utility Department Records Review

HDR contacted Charlotte-Mecklenburg Utilities Department (CMUD) to inquire about municipal water supply to properties located in Mecklenburg County within a 0.5 mile radius of the ash basin compliance boundary. On August 15, 2014, Mr. Justin Schumacher with HDR spoke with Ms. Page with CMUD new services. Mr. Schumacher provided tax parcel information obtained from Mecklenburg County's online Property Ownership and Land Records Information System (POLARIS) to inquire about municipal water supply to properties located in Mecklenburg County within a 0.5 mile radius of the ash basin compliance boundary.

HDR contacted the Belmont Water and Sewer Department to inquire about municipal water supply to properties located in Belmont and Gaston County within a 0.5 mile radius of the ash basin compliance boundary. On August 19, 2014, Ms. Brooke Ahrens with HDR spoke with Mr. David Isenhour, Director of Public Works for the Belmont Water and Sewer Department. Mr. Isenhour stated that the referenced PWS wells (Figure 1) are the County's jurisdiction and not the City of Belmont.

3.5 HDR Field Survey

HDR personnel performed a field reconnaissance on March 19, 2014 to attempt to identify water supply wells located within a 0.5 mile radius of the ash basin compliance boundary. A windshield survey was conducted from public roadways to identify water meters, valves, and any potential well heads/well houses. Prior to conducting the field reconnaissance, HDR personnel reviewed orthophotography obtained from NC OneMap GeoSpatial portal (dated 2010) to identify potential well heads/well houses and surface waters within a 0.5 mile radius of the ash basin compliance boundary.

3.6 USGS Hydrography Review

HDR reviewed the United States Geological Survey (USGS) National Hydrography Dataset (NHD) obtained from the USGS National Map Viewer (<http://viewer.nationalmap.gov/viewer/>) to identify any surface waters within a 0.5 mile radius of the ash basin compliance boundary. Hydrography data obtained from the USGS NHD is included on Figure 1.

Section 4

Findings

Details of the findings from the local and state records review and field survey activities are provided in Sections 4.1 through 4.5. A general summary of the receptor survey findings is provided in Section 4.6.

4.1 NCDENR Records

Four public water supply wells were identified in the PWSS's GIS point data set (obtained from NC OneMap GeoSpatial Portal) located within a 0.5 mile radius of the ash basin compliance boundary. These four identified public water supply wells were included on the NCDENR SWAP online database (Figure 1). These wells are identified with PWS preceding the Public Water Supply System ID Number as it is referenced to available well information provided in Table 1.

No wellhead protection areas were identified on the NCDENR SWAP online database within a 0.5 mile radius of the ash basin compliance boundary.

4.2 Gaston County Records

On March 28, 2014, Ms. Lisa Wright, Environmental Health Specialist Tech with the Gaston County Environmental Health Department, provided Gaston County's available well information for 36 registered private water supply wells located within a 0.5 mile radius of the ash basin compliance boundary. These wells are identified with PRW preceding the identification number as it is referenced to available well information provided in Table 1. The locations of the wells are identified on Figure 1 as "recorded" private water supply wells. On August 15, 2014, Ms. Dye confirmed that no new wells have been registered since March.

The Gaston County Environmental Health Department indicated they have no records for public water supply wells within a 0.5 mile radius of the ash basin compliance boundary.

4.3 Mecklenburg County Records

Mecklenburg County's Groundwater and Wastewater Services Well Information System online database, which was established in 2002, included 13 registered private water supply wells located within a 0.5 mile radius of the ash basin compliance boundary. One of the 13 private water supply wells has a status of permanently abandoned. Available well information for the identified wells is provided in Table 1. These wells are labeled with PRW preceding the number as it is referenced to available well information provided in Table 1. The locations of the wells are identified on Figure 1 as "recorded" private water supply wells.

4.4 Utility Department Records

The Belmont Water and Sewer Department maintains a 12-inch water service main located along South Point Road (Highway NC 273) south to Armstrong Road and along Armstrong Road to the Lake Point subdivision. Mr. Isenhour indicated that the City of Belmont supplies water to the Fire Station located at 2300 South Point Road, Duke Energy Allen Steam Station, and two subdivisions located to the south (Reflection Pointe) and the southwest (Lakepoint) beyond the 0.5 mile radius of the ash basin compliance boundary. Furthermore, Mr. Isenhour noted that there are several public water supply wells managed by Aqua North Carolinas, Inc. in the area that provide water service to residential developments. Available property and well information pertaining to four public water supply wells identified in the PWSS's GIS point data set and the NCDENR SWAP online database (described in Section 4.1), and owned by Aqua North Carolinas, Inc., is provided in Table 1 and locations of the wells are shown on Figure 1.

CMUD does not provide water service to the properties located in Mecklenburg County within a 0.5 mile radius of the ash basin compliance boundary.

4.5 HDR Field Survey Findings

During the field reconnaissance, HDR field personnel identified 164 private water supply wells at properties located within a 0.5 mile radius of the ash basin compliance boundary.

Gaston County provided records for 36 of the 164 identified wells. Records for 13 of the 164 identified wells were obtained from the Mecklenburg County online database. The locations of the 49 wells that Gaston County and Mecklenburg County had records for were confirmed in the field and are identified on Figure 1 as “recorded” private water supply wells. General well and property information for these wells is included in Table 1.

The remaining 115 wells identified in the field are included on Figure 1 as “field identified” private water supply wells.

The locations of the four public water supply wells included in NCDENR’s records and located within a 0.5 mile radius of the compliance boundary were confirmed in the field.

For properties where the structures and potential wells were not visible from a public right-of-way, HDR was not able to confirm the location or presence of a well. However, based on the lack of municipal water supply in the area, it is assumed these properties contain private water supply wells. Approximate locations based on structures identified during the field reconnaissance and/or orthophotography review are included on Figure 1 as “assumed” private water supply wells. A total of 22 assumed private water supply wells are located in Gaston County and 11 assumed private water supply wells are located in Mecklenburg County within a 0.5 mile radius of the ash basin compliance boundary.

From the public roadway, HDR personnel did not identify indications of municipal water supply for the properties, other than those identified by Mr. Isenhour with the City of Belmont, located within a 0.5 mile radius of the ash basin compliance boundary.

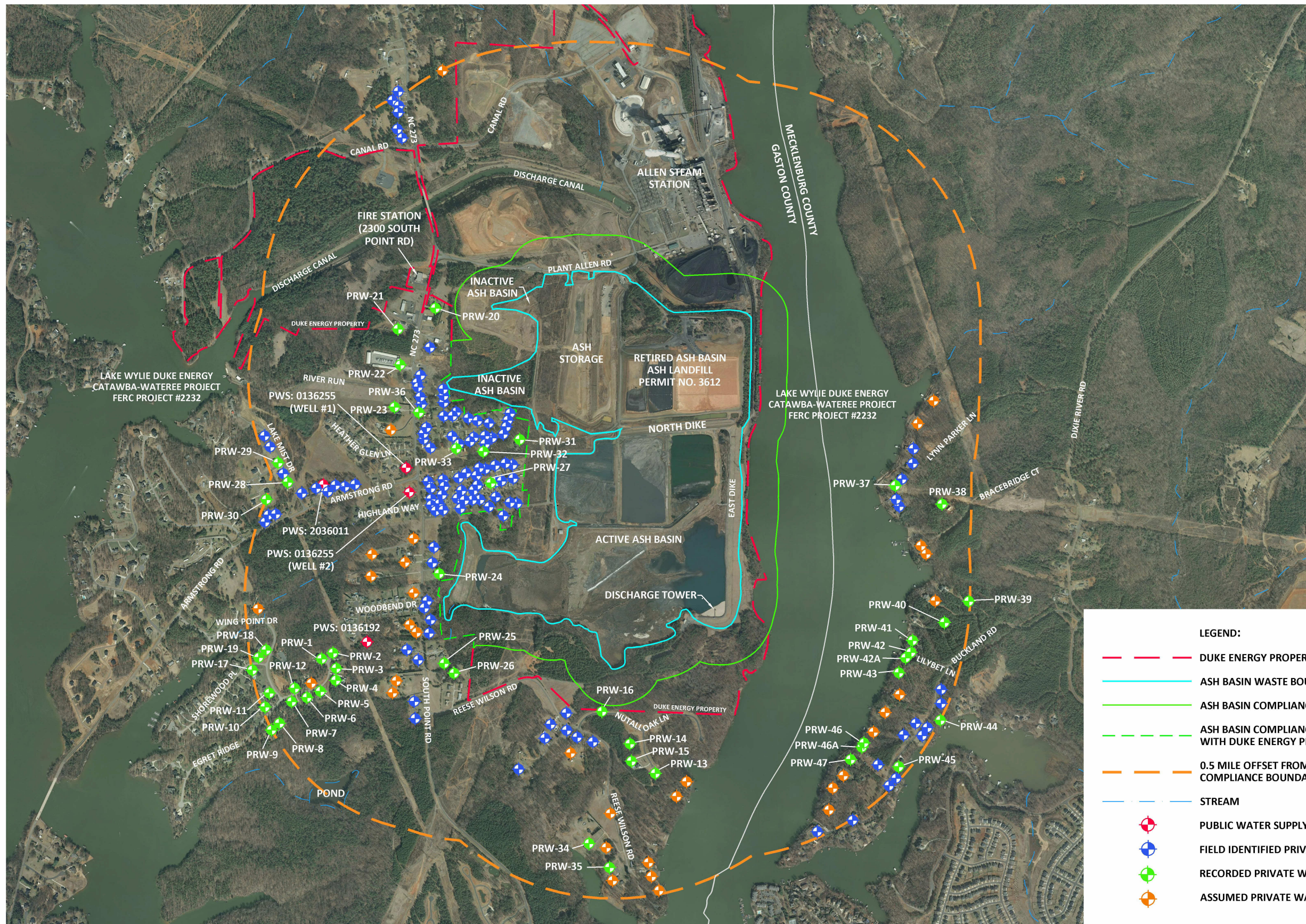
Several surface water bodies were identified and/or confirmed during HDR’s field reconnaissance. The surface water bodies located within a 0.5 mile radius of the ash basin compliance boundary generally flow toward the Catawba River from the topographic divide along South Point Road.

4.6 Summary of Receptor Survey Findings

A summary of the receptor survey findings is provided below. The identified water supply wells and surface water bodies are shown on Figure 1. Available property and well information for the 49 water supply wells registered with Gaston County and Mecklenburg County is provided in Table 1.

- A total of 164 private water supply wells were identified within a 0.5 mile radius of the ash basin compliance boundary during HDR's field survey. The Gaston County Environmental Health Department had records for 36 of the 164 identified private water supply wells, and Mecklenburg County's online database had records for 13 of the 164 identified private water supply wells.
- A total of 33 private water supply wells are assumed at residences located within a 0.5 mile radius of the ash basin compliance boundary. Twenty-two of the 33 assumed wells are located in Gaston County, and the remaining 11 assumed wells are located in Mecklenburg County.
- Four public water supply wells were identified within a 0.5 mile radius of the ash basin compliance boundary.
- Several surface water bodies that flow from the topographic divide along South Point Road toward Lake Wylie were identified within a 0.5 mile radius of the ash basin.
- No wellhead protection areas were identified within a 0.5 mile radius of the ash basin compliance boundary.

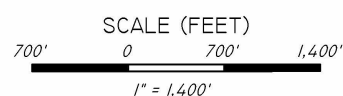
FIGURES



- LEGEND:**
- DUKE ENERGY PROPERTY BOUNDARY
 - ASH BASIN WASTE BOUNDARY
 - ASH BASIN COMPLIANCE BOUNDARY
 - - - ASH BASIN COMPLIANCE BOUNDARY COINCIDENT WITH DUKE ENERGY PROPERTY BOUNDARY
 - - - 0.5 MILE OFFSET FROM ASH BASIN COMPLIANCE BOUNDARY
 - - - STREAM
 - PUBLIC WATER SUPPLY WELL
 - FIELD IDENTIFIED PRIVATE WATER SUPPLY WELL
 - RECORDED PRIVATE WATER SUPPLY WELL
 - ASSUMED PRIVATE WATER SUPPLY WELL

NOTES:

1. PARCEL DATA FOR THE SITE WAS OBTAINED FROM DUKE ENERGY REAL ESTATE AND IS APPROXIMATE.
2. ASH BASIN WASTE BOUNDARY IS APPROXIMATE.
3. ORTHOPHOTOGRAPHY WAS OBTAINED FROM NC ONEMAP GIS WEB SITE (DATED 2010).
4. THE COMPLIANCE BOUNDARY IS ESTABLISHED ACCORDING TO THE DEFINITION FOUND IN 15A NCAC 02L .0107 (a).
5. MECKLENBURG COUNTY BOUNDARY LINE OBTAINED FROM MECKLENBURG COUNTY GIS OPEN MAPPING DATA PORTAL ON JANUARY 30, 2014.
6. FIELD IDENTIFIED WELLS WERE OBSERVED DURING HDR'S FIELD RECONNAISSANCE.
7. RECORDED WELLS ARE BASED ON INFORMATION PROVIDED BY GASTON COUNTY ENVIRONMENTAL HEALTH DEPARTMENT AND MECKLENBURG COUNTY.
8. ASSUMED PRIVATE WELLS ARE APPROXIMATE AND BASED ON THE PRESENCE OF A RESIDENCE AND LACK OF MUNICIPAL WATER SUPPLY IN THE AREA
9. PUBLIC WELLS ARE BASED ON INFORMATION OBTAINED FROM NCDENR'S PUBLIC WATER SUPPLY WELL DATABASE PROVIDED TO HDR.
10. HYDROGRAPHY WAS OBTAINED FROM THE USGS NATIONAL MAP VIEWER AND DOWNLOAD PLATFORM ON MARCH 24, 2014 (<http://nationalmap.gov/viewer.html>)



RECEPTOR SURVEY MAP
 DUKE ENERGY CAROLINAS, LLC
 ALLEN STEAM STATION ASH BASIN
 NPDES PERMIT #NC0004979
 GASTON COUNTY, NORTH CAROLINA

DATE
 OCT. 10, 2014

FIGURE
 1

TABLES

Table 1
Public and Private Water Supply Wells
Within 0.5 Mile Radius of Allen Ash Basin Compliance Boundary
Duke Energy Carolinas, LLC/Allen Steam Station

Well ID (shown on Figure 1)	Public Water System Name	Property Address (well location)	Parcel ID Number	Reported Well Use	Approximate Distance from Ash Basin Compliance Boundary (ft)	Direction from Ash Basin	Well Depth (ft-bgs)	Well Casing Depth (ft-bgs)	Well Yield (gpm)
<i>Gaston County</i>									
PWS: 0136255 (Well #1)	Heather Glen/Highland	Corner of Hwy 273 and Heather Glen Ln Belmont, NC 28012	192166	Community, Active	1,000	W	505	N/A	40
PWS: 0136255 (Well #2)	Heather Glen/Highland	Corner of Hwy 273 and Heather Glen Ln Belmont, NC 28012	199113	Community, Active	780	W	345	N/A	45
PWS: 2036011	River Lakes S/D	Waterview Dr Belmont, NC 28012	193488	Community, Active	1,920	W	900	N/A	34
PWS: 0136192	South Point Landing	At the end of Lake Hill Circle Belmont, NC 28012	193360	Community, Active	1,030	W-SW	340	N/A	40
PRW-1	N/A	9200 Egret Ridge Belmont, NC 28012	198000	Private, Unknown	1,670	SW	505	54	9
PRW-2	N/A	9201 Egret Ridge Belmont, NC 28012	197999	Private, Unknown	1,520	SW	225	54	7
PRW-3	N/A	9205 Egret Ridge Belmont, NC 28012	197998	Private, Unknown	1,510	SW	525	86	7
PRW-4	N/A	9209 Egret Ridge Belmont, NC 28012	197997	Private, Unknown	1,560	SW	805	90	4
PRW-5	N/A	9217 Egret Ridge Belmont, NC 28012	197995	Private, Unknown	1,820	SW	365	94	8
PRW-6	N/A	9221 Egret Ridge Belmont, NC 28012	197994	Private, Unknown	2,030	SW	465	100	12
PRW-7	N/A	9225 Egret Ridge Belmont, NC 28012	197993	Private, Unknown	2,240	SW	385	125	8
PRW-8	N/A	9235 Egret Ridge Belmont, NC 28012	197992	Private, Unknown	2,520	SW	405	115	10
PRW-9	N/A	9239 Egret Ridge Belmont, NC 28012	197991	Private, Unknown	2,640	SW	780	90	12
PRW-10	N/A	9236 Egret Ridge Belmont, NC 28012	197968	Private, Unknown	2,600	SW	N/A	N/A	N/A
PRW-11	N/A	9034 Wing Point Belmont, NC 28012	197967	Private, Unknown	2,500	SW	300	99	25
PRW-12	N/A	9224 Egret Ridge Belmont, NC 28012	198003	Private, Unknown	2,140	SW	505	101	7
PRW-13	N/A	1113 Sawtooth Oak Ln Belmont, NC 28012	213343	Private, Unknown	1,020	S	645	157	80
PRW-14	N/A	1104 Sawtooth Oak Ln Belmont, NC 28012	213340	Private, Unknown	540	S	705	146	8

Table 1
Public and Private Water Supply Wells
Within 0.5 Mile Radius of Allen Ash Basin Compliance Boundary
Duke Energy Carolinas, LLC/Allen Steam Station

Well ID (shown on Figure 1)	Public Water System Name	Property Address (well location)	Parcel ID Number	Reported Well Use	Approximate Distance from Ash Basin Compliance Boundary (ft)	Direction from Ash Basin	Well Depth (ft-bgs)	Well Casing Depth (ft-bgs)	Well Yield (gpm)
PRW-15	N/A	1108 Sawtooth Oak Ln Belmont, NC 28012	213341	Private, Unknown	780	S	205	95	23
PRW-16	N/A	1006 Nutall Oak Ln Belmont, NC 28012	213337	Private, Unknown	110	S	635	66	100
PRW-17	N/A	9105 Shorewood Belmont, NC 28012	197966	Private, Unknown	2,640	SW	325	74	40
PRW-18	N/A	9022 Wing Point Belmont, NC 28012	197943	Private, Unknown	2,420	SW	325	38	40
PRW-19	N/A	9100 Shorewood Belmont, NC 28012	197944	Private, Unknown	2,530	SW	680	41	12
PRW-20	N/A	2309 South Point Rd Belmont, NC 28012	221888	Private, Unknown	550	W	206	100	10
PRW-21	N/A	2320 South Point Rd Belmont, NC 28012	192177	Private, Unknown	750	W	186	83	20
PRW-22	N/A	2330 South Point Rd Belmont, NC 28012	192182	Private, Unknown	620	W	365	112	10
PRW-23	N/A	2360 South Point Rd Belmont, NC 28012	192126	Private, Unknown	760	W	N/A	N/A	N/A
PRW-24	N/A	2625 South Point Rd Belmont, NC 28012	193392	Private, Unknown	110	W	180	81	20
PRW-25	N/A	101 Dana Michelle Ct Belmont, NC 28012	193403	Private, Unknown	330	S-SW	480	86	20
PRW-26	N/A	101 Dana Michelle Ct Belmont, NC 28012	193403	Private, Unknown	450	S-SW	147	128	35
PRW-27	N/A	129 Midwood Ln Belmont, NC 28012	193465	Private, Unknown	380	W	126	99	50
PRW-28	N/A	109 Lake Mist Belmont, NC 28012	210920	Private, Unknown	2,400	W	305	107	12
PRW-29	N/A	500 Lake Breeze Ln Belmont, NC 28012	210932	Private, Unknown	2,520	W	440	97	18
PRW-30	N/A	607 Shady Creek Ct Belmont, NC 28012	219064	Private, Unknown	2,640	W	370	44	50
PRW-31	N/A	91 Mitchell St Belmont, NC 28012	214506	Private, Unknown	110	W	305	173	10
PRW-32	N/A	97 Mitchell St Belmont, NC 28012	192187	Private, Unknown	520	W	260	105	12
PRW-33	N/A	101 Mitchell St Belmont, NC 28012	192185	Private, Unknown	480	W	200	200	15
PRW-34	N/A	400 Reese Wilson Rd Belmont, NC 28012	193536	Private, Unknown	1,900	S	165	110	20
PRW-35	N/A	402 Reese Wilson Rd Belmont, NC 28012	193538	Private, Unknown	2,200	S	200	95	18
PRW-36	N/A	2369 South Point Rd Belmont, NC 28012	192218	Private, Unknown	450	W	146	126	12

Table 1
Public and Private Water Supply Wells
Within 0.5 Mile Radius of Allen Ash Basin Compliance Boundary
Duke Energy Carolinas, LLC/Allen Steam Station

Well ID (shown on Figure 1)	Public Water System Name	Property Address (well location)	Parcel ID Number	Reported Well Use	Approximate Distance from Ash Basin Compliance Boundary (ft)	Direction from Ash Basin	Well Depth (ft-bgs)	Well Casing Depth (ft-bgs)	Well Yield (gpm)
<i>Mecklenburg County</i>									
PRW-37	N/A	8928 Lynn Parker Ln Charlotte, NC 28278	11332110	Private, Active	1,600	E	N/A	N/A	N/A
PRW-38	N/A	8744 Bracebridge Ct Charlotte, NC 28278	11332113	Private, Active	2,240	E	528	105	11
PRW-39	N/A	6830 Buckland Rd Charlotte, NC 28278	11321137	Private, Active	2,630	E	470	87	12
PRW-40	N/A	7020 Buckland Rd Charlotte, NC 28278	11321134	Private, Active	2,310	E	115	88	10
PRW-41	N/A	7000 Kilpeck St Charlotte, NC 28278	11330239	Private, Active	1,920	E-SE	N/A	N/A	N/A
PRW-42	N/A	7016 Kilpeck St Charlotte, NC 28278	11330238	Private, Active	1,940	E-SE	350	105	20
PRW-42A	N/A	7016 Kilpeck St Charlotte, NC 28278	11330238	Private, Abandoned	1,940	E-SE	81	0	0
PRW-43	N/A	8345 Lilybet Ln Charlotte, NC 28278	11330237	Private, Active	1,860	E-SE	340	112	25
PRW-44	N/A	7201 Buckland Rd Charlotte, NC 28278	11330211	Private, Unknown	2,640	E-SE	N/A	N/A	N/A
PRW-45	N/A	7335 Buckland Rd Charlotte, NC 28278	11330248	Private, Active	2,510	E-SE	205	73	10
PRW-46	N/A	8412 Outwell Rd Charlotte, NC 28278	11330231	Private, Active	1,940	E-SE	390	90	25
PRW-46A	N/A	8412 Outwell Rd Charlotte, NC 28278	11330231	Private, Active	1,950	E-SE	N/A	N/A	N/A
PRW-47	N/A	7418 Buckland Rd Charlotte, NC 28278	11330250	Private, Active	1,970	E-SE	460	84	15

Notes:

- Public water supply well information obtained from NCDENR's Public Water Supply Water Sources Geographic Information System (GIS) point data set and NCDENR's SWAP online database.
- Information for private water supply wells located in Gaston County was obtained from Ms. Lisa Wright, Environmental Health Specialist Tech, with the Gaston County Environmental Health Department.
- Information for private water supply wells located in Mecklenburg County was obtained from Mecklenburg County's Groundwater and Wastewater Services Well Information System online database.
- Property address information for private water supply wells obtained from Gaston County and Mecklenburg County Interactive GIS websites.
- Distances between wells and the ash basin compliance boundary are approximate.
- Community well serves 15+ connections or regularly serves 25+ year-round residents (ex. cities, towns, subdivisions).
- N/A indicates not available
- ft-bgs indicates feet below ground surface
- gpm indicates gallons per minute