



Belews Creek Steam Station
3195 Pine Hall Road
Belews Creek, NC 27009
336-445-0610
336-669-2994

March 23, 2016

North Carolina Department of Environmental Quality
Division of Waste Management
Solid Waste Section
1646 Mail Service Center
Raleigh, North Carolina 27699-1649

Attn: Ms. Elizabeth Werner

Re: Duke Energy Carolinas - Belews Creek Steam Station
Permit No. INDUS-8504 and INDUS-8505
Stokes County
Drilling Request

Dear Ms. Werner,

Duke Energy Carolinas (DEC), Belews Creek Steam Station, requests concurrence from North Carolina Department of Environmental Quality (NCDEQ) Division of Waste Management (Division) for drilling at the Craig Road Landfill (Permit No. INDUS-8504) and FGD Landfill (Permit No. INDUS-8505). This drilling request is in effort to satisfy USEPA Hazardous and Solid Waste Management System; Disposal of Coal Combustion Residuals From Electric Utilities (USEPA CCR) 40CFR Part 257.91. Currently, forty-three (43) wells at the Craig Road Landfill and eighteen (18) wells at the FGD Landfill are intended to be installed in the approximate locations shown on the attached drawings titled "Proposed CCR Rule Groundwater Monitoring Well Locations". Upon completion of monitoring well installation, Duke Energy will submit a well installation completion package to the Division noting actual well locations and depths including drilling logs.

Additionally, Duke will provide the Division a copy of the annual CCR Groundwater Monitoring Report.

This request is being submitted electronically. Please let me know if you would like to receive paper copies.

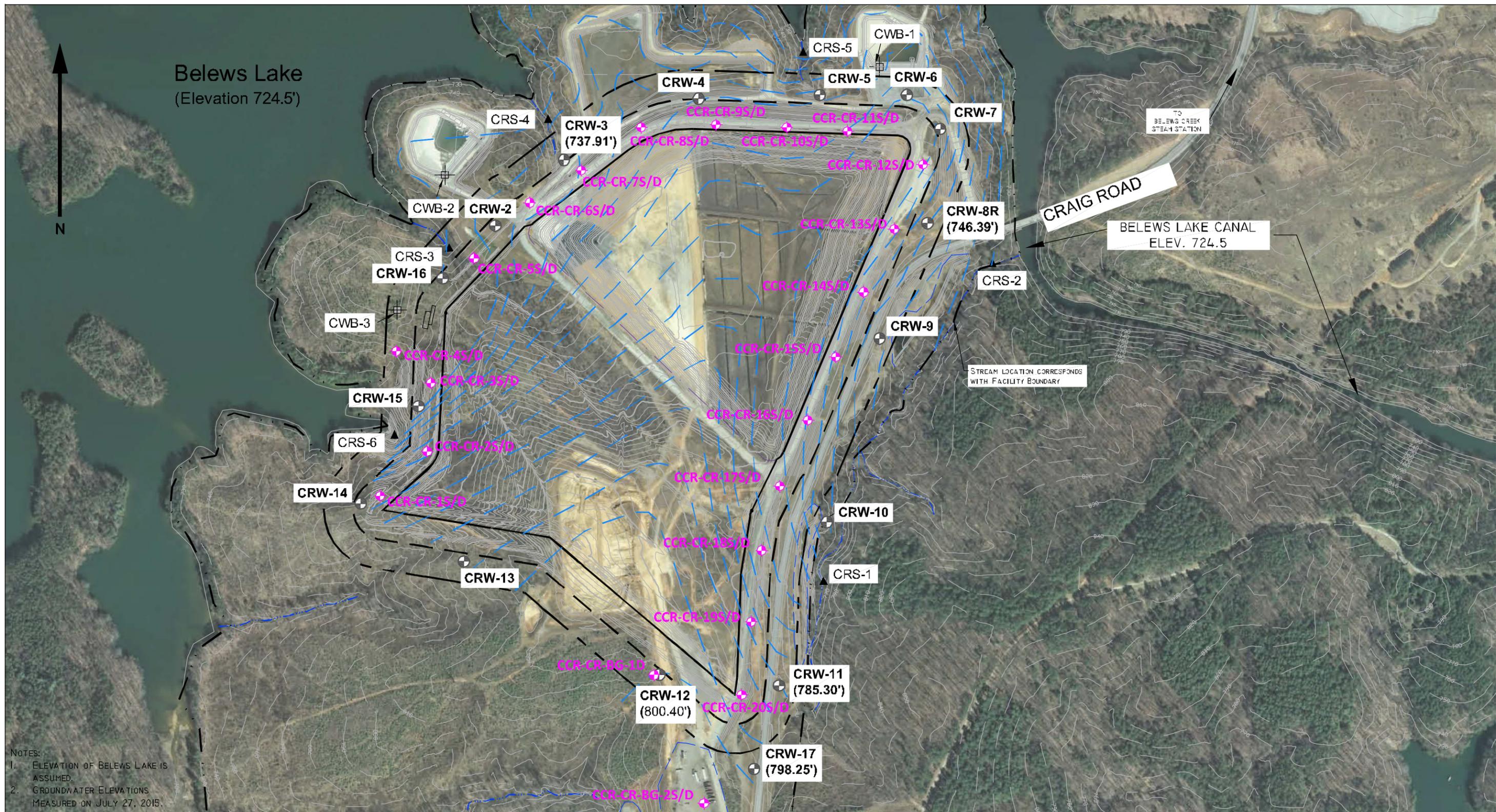
Respectfully submitted,

A handwritten signature in blue ink that reads "Melonie Martin".

Melonie Martin
Environmental Services

Attachments: Proposed CCR Rule Groundwater Monitoring Well Location Drawing - Craig Road Landfill
Proposed CCR Rule Groundwater Monitoring Well Location Drawing - FGD Landfill

cc (via e-mail): Will Harrison, Duke
Evan Andrews, Duke
Ed Sullivan, Duke
Ed Mussler, NCDEQ



Belews Lake
(Elevation 724.5')

BELEWS LAKE CANAL
ELEV. 724.5

CRAIG ROAD

STREAM LOCATION CORRESPONDS
WITH FACILITY BOUNDARY

NOTES:
1. ELEVATION OF BELEWS LAKE IS ASSUMED.
2. GROUNDWATER ELEVATIONS MEASURED ON JULY 27, 2015.

LEGEND

- GROUNDWATER MONITORING WELL
- GROUNDWATER ELEVATION (FEET)
- SURFACE WATER SAMPLING LOCATION
- LEACHATE SAMPLING LOCATION
- PROPOSED CCR RULE MONITORING WELL LOCATION
- APPROXIMATE LIMIT OF WASTE LANDFILL REVIEW BOUNDARY
- LANDFILL COMPLIANCE BOUNDARY
- FACILITY BOUNDARY
- STREAM

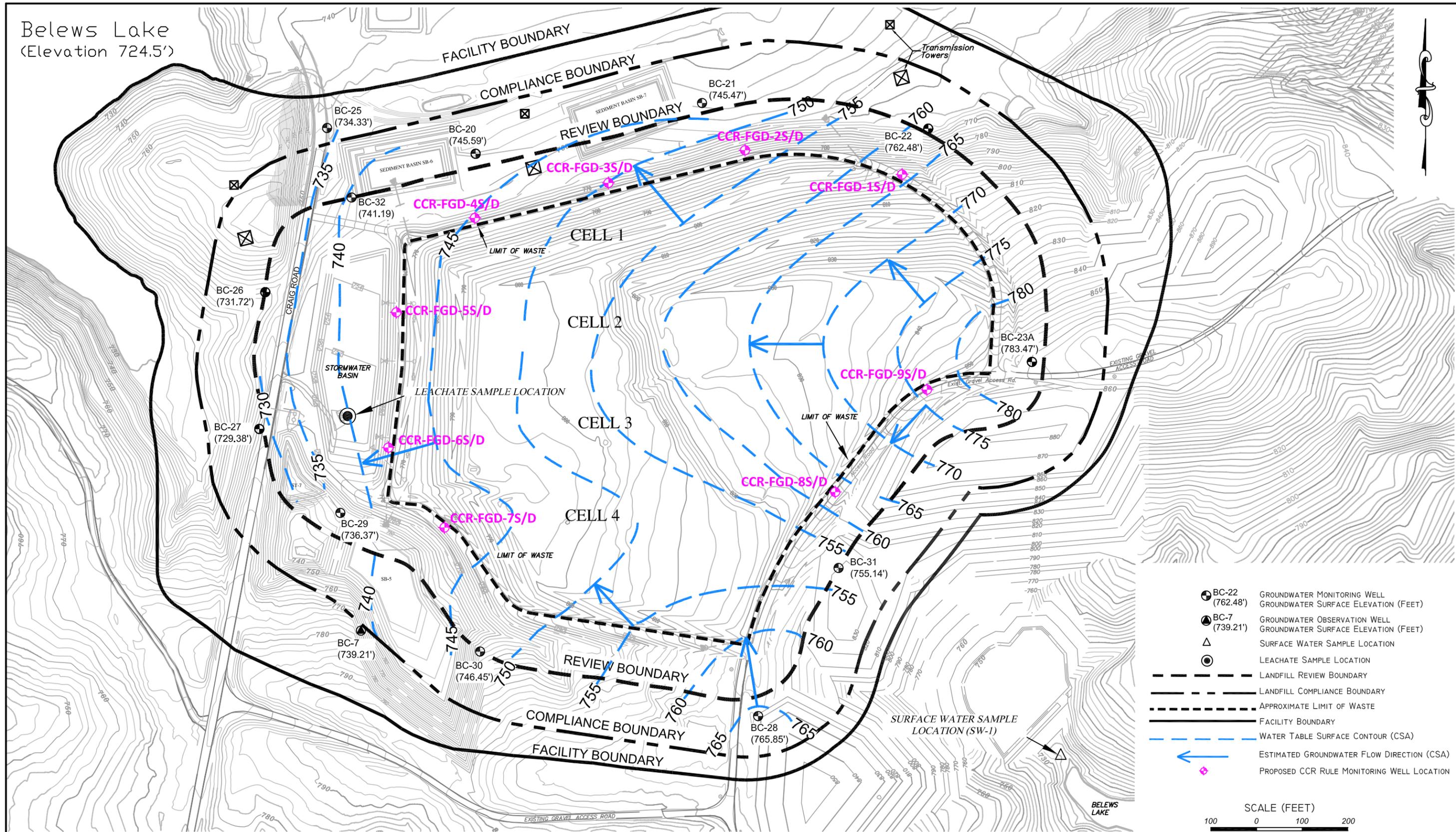
SCALE (FEET)
200 0 200 400



PROPOSED CCR RULE GROUNDWATER MONITORING WELL LOCATIONS
BELEWS CREEK STEAM STATION
CRAIG ROAD ASH LANDFILL, PHASE 1 & 2
PERMIT NO. 8504

DATE
MARCH 2016
FIGURE
1

Belews Lake
(Elevation 724.5')



NOTES:
BASE MAP PROVIDED BY DUKE ENERGY CAROLINAS, LLC. DATED MAY 21, 2015.
GROUNDWATER ELEVATIONS MEASURED ON NOVEMBER 4, 2015.



HDR Engineering Inc.
of the Carolinas

440 S. Church St. Suite 1000
Charlotte, NC 28202-2075
704.338.6700

**PROPOSED CCR RULE GROUNDWATER
MONITORING WELL LOCATIONS
BELEWS CREEK STEAM STATION
FGD RESIDUE LANDFILL**
PERMIT NO. 8505

DATE
JANUARY 2016

FIGURE
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