

Summary of well testing near coal ash ponds

The N.C. Department of Environment and Natural Resources, or DENR, updated on Aug. 20 individual results from testing conducted at public and private water supply wells near Duke Energy's 14 coal-fired electrical generating facility boundaries.

Spreadsheet updated

The updated spreadsheet provides a detailed account of the results at each individual well where tests have been conducted, and the state has confirmed that the well owners have received the results of those tests. The spreadsheet compares the individual results of testing for coal ash-related metals and constituents with state and federal water quality thresholds, if such a threshold exists. The spreadsheet includes 287 well test results and 42 resample test results.

Well test results summary updated

DENR also updated its summary of well test results. The summary of well test results includes information on 313 wells. The summary includes all results sent back to DENR, whereas the spreadsheet includes only results where well owner receipt has been confirmed. Thus, the summary numbers and the spreadsheet numbers are different.

Additionally, 73 resampling results have been reported for wells that previously received resampling recommendations from the DHHS. The 42 well resampling results that have been delivered to well owners are listed on the spreadsheet in addition to the well's original sample results and are identified with an "R" at the end of the listing showing the identification of the well owner.

Health risk evaluations summary updated

DENR has updated the number of health risk evaluations that were produced by the N.C. Department of Health and Human Services and sent to homeowners along with the well test results. The updated summary includes information on 327 health risk evaluations that have been received by well owners. Copies of the well water use recommendations are available to be downloaded by clicking on the following batch numbers: [1](#), [2](#), [3](#), [4](#), [5](#), [6](#), [7](#), [8](#), [9](#), [10](#), [11](#), [12](#), [13](#).

Summary of wells tested (as of Aug. 18, 2015)

Totals

- 313 wells tested
- 291 wells exceeded a state 2L standard or interim maximum contaminant level (IMAC)

Allen Steam Station (Belmont, N.C.)

- 118 wells tested
- 112 exceeded a 2L standard or IMAC
- 40 retest results reported
- Exceedances for: Antimony, Thallium, Zinc, Cobalt, Iron, Vanadium, Sulfate, pH

Asheville Plant (Asheville, N.C.)

- 6 wells tested
- 6 wells exceeded a 2L standard or IMAC

- Exceedances for: pH, total dissolved solids, Sulfate

Belews Creek Steam Station (Belews Creek, N.C.)

- 8 wells tested
- 6 wells exceeded a 2L standard or IMAC
- Exceedances for: Iron, Vanadium, pH

Buck Steam Station (Salisbury, N.C.)

- 86 wells tested
- 83 wells exceeded a 2L standard or IMAC
- 14 retest results reported
- Exceedances for: Antimony, Cobalt, Chromium, Lead, Manganese, Zinc, Sulfate, Iron, Vanadium, pH, Total Dissolved Solids

Cliffside Steam Station (Mooresboro, N.C.)

- 22 wells tested
- 14 exceeded a 2L standard or IMAC
- 3 retest results reported
- Exceedances for: Cobalt, Iron, Manganese, Vanadium, pH

H.F. Lee Plant (Goldsboro, N.C.)

- 11 wells tested
- 10 exceeded a 2L standard or IMAC
- Exceedances for: Cobalt, Manganese, Vanadium, pH

Marshall Steam Station (Terrell, N.C.)

- 38 wells tested
- 37 exceeded a 2L standard or IMAC
- 10 retest results reported
- Exceedances for: Cobalt, Iron, Lead, Manganese, Vanadium, pH

Mayo Steam Station (Roxboro, N.C.)

- 2 wells tested
- 2 wells exceeded a 2L standard or IMAC
- Exceedances for: Iron, Lead, Vanadium, Manganese, pH

Roxboro Steam Station (Semora, N.C.)

- 7 wells tested
- 6 wells exceeded a 2L standard or IMAC
- 3 retest results reported
- Exceedances for: Manganese, Vanadium, pH, Iron, Chloride, Total Dissolved Solids

Sutton Plant (Wilmington, N.C.)

- 13 wells tested
- 13 exceeded a 2L standard or IMAC
- 3 retest results reported

- Exceedances for: Cobalt, Iron, Manganese, Vanadium, pH

Weatherspoon Plant (Lumberton, N.C.)

- 2 well tested
- 2 well exceeded the 2L standard
- Exceedances for: pH, vanadium

Summary of health risk evaluations, or HREs, produced by the N.C. DHHS and delivered to well owners (**as of Aug. 18**)

Totals

- Total HREs issued to all wells including resamples: 327
- HREs with okay recommendation: 15
- Wells with “Do Not Drink” HREs from DHHS: 288
- DHHS resample recommendations: 119

Allen Steam Station (Belmont, N.C.)

- Total HREs issued including retests: 128
- HREs with okay recommendation: 2
- “Do Not Drink” HREs from DHHS: 128
- for vanadium, chromium 6, iron, thallium, cobalt, lead, 1 alert for high sodium

Asheville Plant (Asheville, N.C.)

- Total HREs issued including retests: 6
- HREs with okay recommendation: 2
- “Do Not Drink” HREs from DHHS: 2
- for manganese, sulfate

Belews Creek Steam Station (Belews Creek, N.C.)

- Total HREs issued including retests: 8
- HREs with okay recommendation: 2
- “Do Not Drink” HREs from DHHS: 5
- vanadium, iron, chromium 6

Buck Steam Station (Salisbury, N.C.)

- Total HREs issued including retests: 82
- HREs with okay recommendation: 1
- “Do Not Drink” HREs from DHHS: 78
- for vanadium, iron, chromium 6, sulfate, lead, manganese, sodium, zinc, iron, cobalt.

Cliffside Steam Station (Mooresboro, N.C.)

- Total HREs issued including retests: 25
- HREs with okay recommendation: 1
- “Do Not Drink” HREs from DHHS: 17
- for vanadium, iron, cobalt, manganese, chromium 6

H.F. Lee Plant (Goldsboro, N.C.)

- Total HREs issued including retests: 11
- HREs with okay recommendation from DHHS: 0
- Wells with “Do Not Drink” HREs from DHHS: 9
- for vanadium, cobalt, manganese, iron, chromium

Marshall Steam Station (Terrell, N.C.)

- Total HREs issued including retests: 38
- HREs with Okay recommendation from DHHS: 0
- “Do Not Drink” HREs from DHHS: 35
- for vanadium, iron, lead, chromium

Mayo Steam Station (Roxboro, N.C.) No change from July 8

- Total HREs issued including retests: 2
- “Do Not Drink” HREs from DHHS: 1
- for lead, iron, vanadium, sodium alert

Roxboro Steam Station (Semora, N.C.)

- Total HREs issued including retests: 8
- HREs with Okay recommendation from DHHS: 1
- “Do Not Drink” HREs from DHHS: 7
- for vanadium, chromium 6, manganese, iron, lead, chloride, sodium alert

Sutton Plant (Wilmington, N.C.)

- Total HREs issued including retests: 16
- HREs with Okay recommendation from DHHS: 4
- “Do Not Drink” HREs from DHHS: 10
- for vanadium, manganese, cobalt, iron, sodium alert

Weatherspoon Plant (Lumberton, N.C.)

- Total HREs issued including retests: 2
- HREs with Okay recommendations from DHHS: 1
- “Do Not Drink” HREs from DHHS: 0

Contacts

For information on health risk evaluations, contact the DHHS media line at 919-855-4840. Contacts include Kendra Gerlach at Kendra.Gerlach@dhhs.nc.gov or Alexandra Lefebvre at Alexandra.Lefebvre@dhhs.nc.gov.

For information on well testing not related to health risk evaluations, contact the DENR Office of Public Affairs at 919-707-8609. Contacts include Mike Rusher, Mike.Rusher@ncdenr.gov, Crystal Feldman, Crystal.Feldman@ncdenr.gov, Jamie Kritzer, Jamie.Kritzer@ncdenr.gov, or Sarah Young, Sarah.Young@ncdenr.gov.