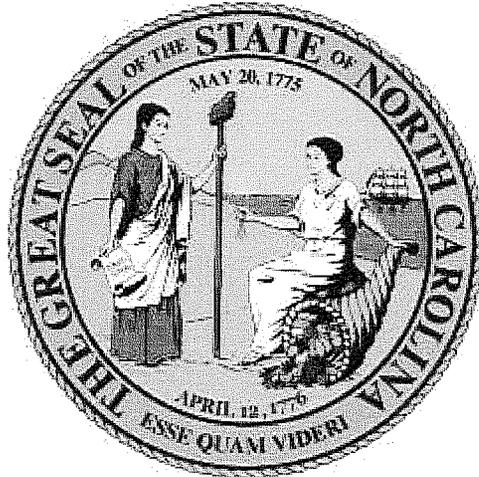


**DIVISION OF WATER RESOURCES
LABORATORY CERTIFICATION BRANCH**

In accordance with the provisions of N.C.G.S. 143-215.3 (a) (1), 143-215.3 (a)(10) and NCAC 2H.0800:



2016

US Geological Survey National Water Quality Laboratory

Is hereby certified to perform environmental analysis as listed on Attachment I and report monitoring data to DEQ for compliance with NPDES effluent, surface water, groundwater, and pretreatment regulations.

By reference 15A NCAC 2H .0800 is made a part of this certificate.

This certificate does not guarantee validity of data generated, but indicates the methodology, equipment, quality control procedures, records, and proficiency of the laboratory have been examined and found to be acceptable.

This certificate shall be valid until **12/31/2016**

Certificate No. 664

A handwritten signature in black ink, appearing to read 'Dana B. Satterwhite', is written over a horizontal line.

Dana B. Satterwhite

North Carolina Wastewater/Groundwater Laboratory Certification

Certified Parameters Listing

Lab Name: US Geological Survey National Water Quality Laboratory
Address: PO Box 25585
Denver, CO 80225-0585

Certificate Number: 664
Effective Date: 1/1/2016
Expiration Date: 12/31/2016
Date of Last Amendment:

The above named laboratory, having duly met the requirements of 15A NCAC 2H.0800, is hereby certified for the measurement of the parameters listed below.

CERTIFIED PARAMETERS

INORGANIC	USGS I-4471-97 (Aqueous)
CHLORIDE	ZINC
USGS I-2057-90 (Aqueous)	USGS I-4471-97 (Aqueous)
CHLOROPHYLL a	
EPA 445.0, Rev. 1.2 (Fluorometric) (Aqueous)	
NITROGEN, TOTAL KJELDAHL	
USGS I-4515-91 (Aqueous)	
PHOSPHORUS, TOTAL	
USGS I-4610-91 (Aqueous)	
METAL	
ALUMINUM	
USGS I-4471-97 (Aqueous)	
ARSENIC	
USGS I-4020-05 (Aqueous)	
CADMIUM	
USGS I-4471-97 (Aqueous)	
CHROMIUM TOTAL	
USGS I-4020-05 (Aqueous)	
COPPER	
USGS I-4020-05 (Aqueous)	
IRON	
USGS I-4471-97 (Aqueous)	
LEAD	
USGS I-4472-97 (Aqueous)	
MANGANESE	
USGS I-4471-97 (Aqueous)	
MERCURY	
USGS I-4464-01 (Aqueous)	
MOLYBDENUM	
USGS I-4471-97 (Aqueous)	
NICKEL	
USGS I-4471-97 (Aqueous)	
SELENIUM	
USGS I-4020-05 (Aqueous)	
SILVER	