

STATE OF NORTH CAROLINA DEPARTMENT OF ENVIRONMENTAL QUALITY

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:



2025

James R. Reed & Associates Inc.

Is hereby certified to perform environmental analysis as listed on the Laboratory's Certified Parameter List and report monitoring data to DEQ for compliance with NPDES effluent, surface water, groundwater, soil 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.

12/31/2025

Certificate No. 289


Todd Crawford

North Carolina Wastewater/Groundwater Laboratory Certification

Certified Parameters Listing

Lab Name: James R. Reed & Associates Inc.
 Address: 770 Pilot House Dr.
 Newport News, VA 23606-1943

Certificate Number: 289
 Effective Date: 1/1/2025
 Expiration Date: 12/31/2025
 Date of Last Amendment: 9/20/2024

The above named laboratory, having duly met the requirements of 15A NCAC 2H.0900, is hereby certified for the measurement of the parameters listed below.

CERTIFIED PARAMETERS

INORGANIC	
BOD	EPA 200.7, Rev. 4.4, 1994 (Aqueous)
SM 5210 B-2016 (Aqueous)	SW-846 6010 D (Aqueous)
COD	SW-846 6010 D (Non-Aqueous)
Hach 8000 (Aqueous)	
CYANIDE	BARIUM
EPA 335.4, Rev. 1.0, 1993 (Total) (Aqueous)	EPA 200.7, Rev. 4.4, 1994 (Aqueous)
SW-846 9012 B (Total) (Aqueous)	SW-846 6010 D (Aqueous)
SW-846 9012 B (Total) (Non-Aqueous)	SW-846 6010 D (Non-Aqueous)
FLASH POINT	BERYLLIUM
SW-846 1010 B (ASTM D93-80) (Aqueous)	EPA 200.7, Rev. 4.4, 1994 (Aqueous)
INORGANIC PHENOLS	SW-846 6010 D (Aqueous)
EPA 420.4, Rev. 1.0, 1993 (Aqueous)	SW-846 6010 D (Non-Aqueous)
SW-846 9066 (Aqueous)	CADMIUM
NITROGEN, AMMONIA	EPA 200.7, Rev. 4.4, 1994 (Aqueous)
SM 4500-NH3 D-2021 (Aqueous)	SW-846 6010 D (Aqueous)
NITROGEN, NO3 + NO2	SW-846 6010 D (Non-Aqueous)
EPA 353.2, Rev. 2.0, 1993 (Aqueous)	CHROMIUM TOTAL
NITROGEN, TOTAL KJELDAHL	EPA 200.7, Rev. 4.4, 1994 (Aqueous)
EPA 351.2, Rev. 2.0, 1993 (Aqueous)	SW-846 6010 D (Aqueous)
OIL & GREASE	SW-846 6010 D (Non-Aqueous)
EPA 1664 Rev. B (Aqueous)	COPPER
	EPA 200.7, Rev. 4.4, 1994 (Aqueous)
PH	SW-846 6010 D (Aqueous)
SM 4500-H+B-2021 (Aqueous)	SW-846 6010 D (Non-Aqueous)
PHOSPHORUS, TOTAL	IRON
EPA 365.1, Rev. 2.0, 1993 (Aqueous)	EPA 200.7, Rev. 4.4, 1994 (Aqueous)
RESIDUE, SUSPENDED	SW-846 6010 D (Aqueous)
SM 2540 D-2020 (Aqueous)	SW-846 6010 D (Non-Aqueous)
METAL	LEAD
ANTIMONY	EPA 200.7, Rev. 4.4, 1994 (Aqueous)
EPA 200.7, Rev. 4.4, 1994 (Aqueous)	SW-846 6010 D (Aqueous)
SW-846 6010 D (Aqueous)	SW-846 6010 D (Non-Aqueous)
SW-846 6010 D (Non-Aqueous)	MANGANESE
ARSENIC	EPA 200.7, Rev. 4.4, 1994 (Aqueous)
	SW-846 6010 D (Aqueous)

North Carolina Wastewater/Groundwater Laboratory Certification

Certified Parameters Listing

Lab Name: James R. Reed & Associates Inc.
Address: 770 Pilot House Dr.
Newport News, VA 23606-1943

Certificate Number: 289
Effective Date: 1/1/2025
Expiration Date: 12/31/2025
Date of Last Amendment: 9/20/2024

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

SW-846 6010 D (Non-Aqueous)
MERCURY
EPA 245.1, Rev. 3.0, 1994 (Aqueous)
SW-846 7470 A (Aqueous)
SW-846 7471 B (Non-Aqueous)
NICKEL
EPA 200.7, Rev. 4.4, 1994 (Aqueous)
SW-846 6010 D (Aqueous)
SW-846 6010 D (Non-Aqueous)
SELENIUM
EPA 200.7, Rev. 4.4, 1994 (Aqueous)
SW-846 6010 D (Aqueous)
SW-846 6010 D (Non-Aqueous)
SILVER
EPA 200.7, Rev. 4.4, 1994 (Aqueous)
SW-846 6010 D (Aqueous)
SW-846 6010 D (Non-Aqueous)
THALLIUM
EPA 200.7, Rev. 4.4, 1994 (Aqueous)
SW-846 6010 D (Aqueous)
SW-846 6010 D (Non-Aqueous)
VANADIUM
EPA 200.7, Rev. 4.4, 1994 (Aqueous)
SW-846 6010 D (Aqueous)
SW-846 6010 D (Non-Aqueous)
ZINC
EPA 200.7, Rev. 4.4, 1994 (Aqueous)
SW-846 6010 D (Aqueous)
SW-846 6010 D (Non-Aqueous)
ORGANIC
BASE NEUTRAL/ACID, ORGANICS
EPA 625.1, Dec 2016 (Aqueous)
SW-846 8270 E (Aqueous)
PURGEABLE, ORGANICS

This certification requires maintenance of an acceptable quality assurance program, use of approved methodology, and satisfactory performance on evaluation samples. Laboratories are subject to civil penalties and/or decertification for infractions as set forth in 15A NCAC 2H.0807.