



GRETCHEN WHITMER
GOVERNOR

STATE OF MICHIGAN
DEPARTMENT OF
ENVIRONMENT, GREAT LAKES, AND ENERGY
LANSING

EGLE

PHILLIP D. ROOS
DIRECTOR

February 17, 2025

Leslie Varela
Turquoise Environmental
4125 Cedar Run Road, Suite C
Traverse City, MI 49684

Laboratory No: 9165

Dear Leslie Varela:

SUBJECT: Initial Laboratory Certification

The information submitted to this office by your laboratory has been reviewed. Based on this information, the Department of Environment, Great Lakes, and Energy (EGLE) has certified your laboratory for compliance monitoring under the Safe Drinking Water Act, 1976 PA 399, as amended. Our certification for your laboratory by parameter is as follows:

Organic Chemistry

PFAS Certified Parameters:

Hexafluoropropylene oxide dimer acid (HFPO-DA), Perfluorobutane sulfonic acid (PFBS), Perfluorohexane sulfonic acid (PFHxS), Perfluorohexanoic acid (PFHxA), Perfluorononanoic acid (PFNA), Perfluorooctane sulfonic acid (PFOS), and Perfluorooctanoic acid (PFOA) (Michigan Regulated PFAS via U.S. EPA Method 533).

11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS), 9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS), 4,8-Dioxa-3H-perfluorononanoic acid (ADONA), Nonafluoro-3,6-dioxaheptanoic acid (NFDHA), Perfluorobutanoic acid (PFBA), 1H,1H, 2H, 2H-Perfluorodecane sulfonic acid (8:2 FTS), Perfluorodecanoic acid (PFDA), Perfluorododecanoic acid (PFDoA), Perfluoro (2-ethoxyethane)sulfonic acid (PFEESA), Perfluoroheptane sulfonic acid (PFHpS), Perfluoroheptanoic acid (PFHpA), 1H,1H, 2H, 2H-Perfluorohexane sulfonic acid (4:2 FTS), Perfluoro-3-methoxypropanoic acid (PFMPA), Perfluoro-4-methoxybutanoic acid (PFMBA), 1H,1H, 2H, 2H-Perfluorooctane sulfonic acid (6:2 FTS), Perfluoropentanoic acid (PFPeA), Perfluoropentane sulfonic acid (PFPeS), Perfluoroundecanoic acid (PFUnA) (via U.S. EPA Method 533).

Leslie Varela
Turquoise Environmental
Page 2
February 17, 2025

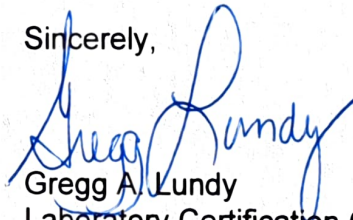
Our certification of Turquoise Environmental for the chemical examination of drinking water is contingent on your continued compliance with state and federal regulations. Additionally, your certification is contingent on the submission of acceptable proficiency test sample results from a state-approved supplier on a running 12-month basis.

Our certification of your facility will expire on February 17, 2028. At your option, you may display the enclosed certificates.

A follow-up inspection will be conducted within the next 12 months to ensure that all findings and deficiencies cited during December 9-10, 2024, inspection of your facility have been permanently corrected and to perform a data audit if this is a new certification or new methodology has been added to your certification. In addition, laboratory records will be reviewed to verify that all necessary documentation is being maintained. Failure to demonstrate proper corrective actions are being maintained may result in a lapse in certification of your facility.

If you have questions regarding this information, please contact me by phone at 517-930-7040 or by email at lundyg@michigan.gov.

Sincerely,



Gregg A. Lundy
Laboratory Certification Officer
Laboratory Services Section
Remediation and Redevelopment Division

GL/ls

Enclosure

cc: EGLE DWEHD Cadillac District Office
Grand Traverse County Health Department

Michigan Department of Environment, Great Lakes, and Energy



CERTIFIES:

TURQUOISE ENVIRONMENTAL

**HAS BEEN EVALUATED AND IS APPROVED FOR THE FOLLOWING
PARAMETERS FOR THE ANALYSIS OF DRINKING WATER:**

PER- AND POLYFLUORINATED ALKYL SUBSTANCES VIA US EPA METHOD 533

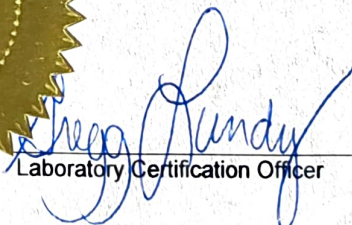
Hexafluoropropylene oxide dimer acid, Perfluorobutane sulfonic acid, Perfluorohexane sulfonic acid, Perfluorohexanoic acid, Perfluorononanoic acid, Perfluorooctane sulfonic acid, and Perfluorooctanoic acid, 11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid 9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid, 4,8-Dioxa-3H-perfluorononanoic acid, Nonafluoro-3,6-dioxaheptanoic acid, Perfluorobutanoic acid, 1H,1H, 2H, 2H-Perfluorodecane sulfonic acid, Perfluorodecanoic acid, Perfluorododecanoic acid Perfluoro (2-ethoxyethane)sulfonic acid, Perfluoroheptane sulfonic acid Perfluoroheptanoic acid, 1H,1H, 2H, 2H-Perfluorohexane sulfonic acid, Perfluoro-3-methoxypropanoic acid, Perfluoro-4-methoxybutanoic acid, 1H,1H, 2H, 2H-Perfluorooctane sulfonic acid, Perfluoropentanoic acid, Perfluoropentane sulfonic acid Perfluoroundecanoic acid

This certification requires maintenance of an acceptable quality assurance program, use of approved methodology and equipment, and satisfactory performance on evaluation samples. This certification does not guarantee validity of data generated.



February 17, 2028
Expiration Date

February 17, 2025
Effective Date


Laboratory Certification Officer

9165
Laboratory Number