

From: [Karina Bynum](#)
To: [Elizabeth Rorie](#)
Cc: [Ann Morbitt](#); [Ariel Wessel-Fuss](#)
Subject: Fw: 2022 Facility Monitoring Exceedance Letters
Date: Thursday, January 12, 2023 3:29:04 PM
Attachments: [image001.png](#)
[Outlook-3lwtom4.png](#)

Please upload to TDOT MS4 waterlog and send an acknowledgement out.

Thank you,

Karina Bynum, Ph.D., P. E. | Integrated Water Resources Engineer
Building Communities and Restoring Watershed Health

Division of Water Resources
1221 South Willow Avenue, Cookeville, TN 38506
karina.bynum@tn.gov | (931) 217-6638



We value your feedback! Please complete our [customer satisfaction survey](#).

From: Klint Rommel <Klint.Rommel@tn.gov>
Sent: Thursday, January 12, 2023 2:28 PM
To: Karina Bynum <Karina.Bynum@tn.gov>
Cc: Carma H. Smith <Carma.H.Smith@tn.gov>
Subject: 2022 Facility Monitoring Exceedance Letters

Good afternoon Karina!

Attached you will find the Exceedance Letters for facilities that have surpassed the threshold limits in one or more categories established in the State-Wide Facility Storm Water Monitoring Plan (pH, oil and grease, Chemical Oxygen Demand, Total Suspended Solids, and Chloride).

Within the letters are recommendations the ECO will administer to address any exceedance categories.

Please let me know if you have any questions or would like additional information.

Thank you and have a great rest of the week!



Klint Rommel | Transportation Manager I
Environmental Division, Facility Compliance Section Manager
James K. Polk Building, 9th Floor
505 Deaderick St., Nashville, TN 37243
p. 615-253-2419 c. 615-478-5169



**STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION**

**ENVIRONMENTAL DIVISION
ENVIRONMENTAL COMPLIANCE OFFICE**
SUITE 900, JAMES K. POLK BUILDING
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BUTCH ELELY
DEPUTY GOVERNOR &
COMMISSIONER OF TRANSPORTATION

BILL LEE
GOVERNOR

January 11, 2023

Ms. Karina Bynum, PhD, PE
Tennessee Department of Environment and Conservation
Division of Water Resources
1221 South Willow Avenue
Cookeville, Tennessee 38506

**Re: Tennessee Department of Transportation Facility Monitoring Results
White County Garage**

Dear Ms. Bynum:

Per Section 2.1.6.5 of the Tennessee Department of Transportation (TDOT) Municipal Separate Storm Sewer System Permit TNS077585, a State-Wide Facility Storm Water Monitoring Plan (SFMP) has been developed and implemented in each permit year to sample storm water runoff from 19 representative TDOT facilities, one of which was the White County Garage. The storm water samples collected from the White County Garage are sent to a certified laboratory and tested for pH, as well as the potential pollutants oil and grease, chemical oxygen demand (COD), total suspended solids (TSS), and chloride. As a courtesy, the Tennessee Department of Environment and Conservation is notified when sampling results are greater than the pollutant action level specified in the SFMP.

On April 5, 2022, EnSafe Inc., consultants to the TDOT Environmental Compliance Office (ECO), conducted analytical monitoring of the storm water discharge from the White County Garage in Sparta, Tennessee, according to the methods and requirements of the SFMP. The final laboratory analytical report from this sampling event was received on April 18, 2022. Samples were acquired from the principal outfall, Outfall 93-C-01, and lab results included a value for COD of 236 milligrams per liter (mg/L), which exceeds the action level concentration of 120 mg/L specified in the SFMP. The sample also yielded a measured TSS concentration of 436 mg/L, which exceeds the action level concentration of 150 mg/L. There were no petroleum leaks or spills observed, which can be a source of elevated COD. Decaying vegetation from the grassy slope can also be a source of COD. A source of elevated TSS is likely the graveled lot draining to the outfall. There were also portions of the slope around the outfall that showed signs of erosion.

These areas need to be stabilized, either by reestablishing vegetation or the placement of riprap. Please see the attached photo log.

The Storm Water Pollution Prevention Plan for this facility will be revised to incorporate the lab results.

Please distribute this letter within your department to the appropriate personnel. If you have any questions or concerns, then please email me at Klint.Rommel@tn.gov.

Sincerely,

Klint

Rommel

Digitally signed by
Klint Rommel
Date: 2023.01.12
12:39:40 -06'00'

Klint Rommel
Facility Compliance Section Manager
TDOT Environmental Division

Attachments:

Photographic Log



**White County
Garage**

**Region 2
Outfall 93-C-01**

Photograph 1

Note: View looking north at the graveled portion of the lot draining to Outfall 93-C-01. The collected storm water sample exceeded the action levels for total suspended solids and chemical oxygen demand. No sediment deposits were observed at the outfall.



Photograph 2

Note: View looking south at the outfall and graveled lot draining to it. A portion of the slope adjacent to the outfall needs to be re-vegetated or stabilized with riprap.



White County Garage

Region 2 Outfall 93-C-01

Photograph 3

Note: View looking southeast at Outfall 93-C-01. Portions of the slope need to be re-stabilized to reduce total suspended solids.



Photograph 4

Note: View of the storm water sampler at Outfall 93-C-01. There was no observable cause for high chemical oxygen demand levels. Total suspended solids were likely elevated due to dust coming from the graveled lot, as well as portions of the slope that need to be stabilized.