

1,4-DIOXANE

SOP: TZ Osborne (TZO) Effluent Weekly Composite Sampling

General Information

- NCDEQ effluent composite sampling conducted per a phone call on 9-30-2019 from DEQ [Linda Culpepper and Regional Office] – Sampling began 10-7-2019
- Analytical Method: 40 CFR Part 136 EPA Method 624.1 [Note: Method 624.1 requires a grab sample. A composite sample cannot be used for eDMR reporting]
- Each day (Monday – Friday, excluding holidays) laboratory staff will pour up one liter (1 L) of the TZO effluent composite sample using a one liter glass graduated cylinder and pour into an intermediate 10 L composite jug to be stored in the TZO laboratory walk-in refrigerator (<6°C without freezing)
- Chain of Custody (including sample times, temperature and pH) will be recorded on the daily samples and kept with the intermediate sample container
- On Friday, Greensboro laboratory staff will thoroughly mix the intermediate container and transfer an aliquot to a 1L container for storage
- Preservation – All samples will be stored in the walk-in refrigerator at <6°C (without freezing).
- Aliquot composite samples will be retained (for NCDEQ) for one week beyond the date NCDEQ was notified by email of the Greensboro TZO effluent grab sample results for that week. [Retained ~3 weeks]

Sample Bottle Requirements

- 10 L jug for daily compositing of effluent
- 1 L container for storage of the weekly aliquot composite for NCDEQ
- NCDEQ will provide their own 4 VOA vials for each sample

T. Z. Osborne Effluent Sampling Location

- 24 hour TZ Osborne effluent sample is collected from the NPDES permit sampling point using an ISCO composite sampler.
- Composite effluent samples are delivered to the lab each morning by TZO operations staff, following all NCDEQ and EPA requirements.

Young, Brianna A

From: Williams, Elijah <Elijah.Williams@greensboro-nc.gov>
Sent: Wednesday, October 07, 2020 11:08 AM
To: Graznak, Jenny; Groome, Martie; Goots, Alicia
Cc: Young, Brianna A; Poupart, Jeff; Hennessy, John; Snider, Lon; Borchers, Mike; Williams, Kristine; Spillman, Virginia; Flynt, Bradley
Subject: [External] Updated Greensboro SOC

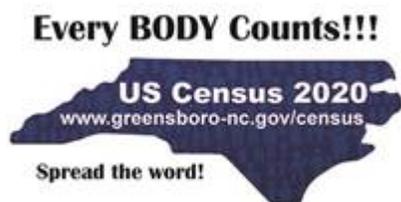
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Good Morning Jenny,

This correspondence will serve as the official notification that the City of Greensboro accepts all changes to the recent draft SOC dated October 2, 2020. We also agree to continue to collect weekly TZO effluent composite samples for use by the NCDEQ Lab. A draft composite sample collection/storage document will follow under separate cover from our industrial waste section for your review. Please keep us updated on the next steps with regards to the public hearing. We really appreciate the efforts and extensive time of work done on this SOC by NCDEQ.

Sincerely,

Elijah L Williams, PE
 Water Reclamation Manager
 Department of Water Resources
 City of Greensboro
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From: Graznak, Jenny <jenny.graznak@ncdenr.gov>
Sent: Friday, October 2, 2020 3:39 PM
To: Groome, Martie <Martie.Groome@greensboro-nc.gov>; Williams, Elijah <Elijah.Williams@greensboro-nc.gov>; Goots, Alicia <Alicia.Goots@greensboro-nc.gov>
Cc: Young, Brianna A <Brianna.Young@ncdenr.gov>; Poupart, Jeff <jeff.poupart@ncdenr.gov>; Hennessy, John <john.hennessy@ncdenr.gov>; Snider, Lon <lon.snider@ncdenr.gov>
Subject: Updated Greensboro SOC

All,

Attached to this email is the updated version of the SOC as previously discussed. The changes made are:

- The weekly composite sample requirement was removed from the SOC document. Please note that any composite data collected by the City shall still be reported to DWR on a monthly basis. Additionally, DWR

requests that weekly composite samples shall still be collected and saved in the event that DWR chooses to perform its own analysis. Until the SOC takes effect, the current sampling process shall continue. Please respond in writing to confirm this arrangement.

- The word “minimally” was changed to “shall include.”
- The stipulated penalties section was changed to clarify that the exceedances reset for each SOC year.

Please confirm that the City accepts this final version of the SOC document.

Thank you,

Jenny Graznak

Assistant Regional Supervisor

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