On June 30, 2021 at 7:00 a.m., the City of Greensboro collected the T. Z. Osborne WWTP (TZO) weekly effluent grab sample required by EMC Special Order by Consent (SOC) WQ S19-010. As per protocol, the sample was split between two State certified commercial contract laboratories, Meritech and Pace. The samples were picked up by both laboratories the same morning. The Pace result of 543 ug/l was received the next day at approximately 11:30 a.m. The following timeline includes activities and notifications in response to the results.

**Thursday July 1, 2021**

- 1,4-dioxane sample taken at 7:00 a.m. June 30, 2021
  - T.Z. Osborne (TZO) Effluent Flow for 6/30/2021 was 32.42 MGD
  - Pace Result: 543 ug/l Greensboro Industrial Waste Section staff received the data ~11:30 a.m.
  - Contacted Pace at 11:43 a.m. to rerun sample from different vial
  - Contacted Meritech immediately to ask about their result - Organic run was in progress at time of call. Received preliminary result of 687 ug/l at ~ 1:15 p.m.

- As soon as the number was verified by 2nd lab, three receiving stream locations downstream of T. Z. Osborne WWTP were sampled by laboratory staff and sent to Meritech for rush analysis:
  - McLeansville Road (confluence of North Buffalo and South Buffalo Creeks) at 1:59 pm
  - Highway 61 (Reedy Fork Creek prior to confluence with Haw River) at 2:19 pm
  - Highway 62 (Haw River near Glencoe) at 2:47 pm

- Notification to Shamrock Environmental - Cris Freeman at 1:45 p.m.
  - Instructed Shamrock to have last 5 daily composites (Friday, Saturday, Monday, Tuesday, and Wednesday) analyzed rush. Note: There was no discharge on Sunday.

- Notification of downstream utilities by Elijah Williams, Water Reclamation Manager, began at 2:10 pm
  - Pittsboro: Voicemail to John Poteat- He returned call at 2:25 p.m. He retired 6/30/2021.
  - New Pittsboro contact: Voice mail to Adam Pickett – Returned call at 3:15 p.m.
    - They will collect composite (hourly manual grabs) intake samples for at least a week
  - PWC of Fayetteville - Voicemail to Mick Noland – 2nd attempt at 3:10 p.m. Mick Noland answered.
  - Cape Fear Public Utility Authority - Notification to Beth Eckert of Cape Fear Public Utility at 3:25 pm.
    - They will collect raw and finished water samples for analysis immediately.
- Notification to Jenny Graznak of the NCDEQ WSRO at 2:05 p.m
  - Results from June 30, 2021, sampling activities, downstream utility notifications
  - She said she would contact Julie Grzyb, Deputy Director of NCDEQ DWR, and let Greensboro know of any additional requirements.
  - Jenny Graznak called back at 2:27 p.m. to report:
    - Julie Grzyb requested that the creek samples be split with NCDEQ. (WSRO Staff arrived at TZO at 3:45 p.m. on 7/1/2021 to split samples.)
    - Rebecca Sadosky, NC Drinking Water Protection and Enforcement Branch Head, would also contact downstream utilities concerning the exceedance.
- Press Release issued by City of Greensboro at 5:32 p.m.

**Friday, July 2, 2021**

- Notification to Town of Cary at 8:30 a.m. Erin Lee, Senior Lab Analyst
  - They will collect samples 7/2, 7/6 and 7/13.
- Elijah spoke with Jason Green from PWC at 8:15 am. He is the contact while Mick is out of the office and wants to be in the loop going forward.
  - Will run daily drinking water intake samples for at least one week.
- Greensboro sent the last 2 weekly composites for analysis and will be sending daily effluent composite samples 7/2 through 7/9 for split analysis.

The SOC stipulates exceedance of any sample value greater than the Year One SOC compliance value of 45 ug/l requires notification to NCDEQ within 24 hours of obtaining results (including a split sample value). The SOC also requires Greensboro to submit a written report to NCDEQ within 5 days for any finalized value regarding the exceedance, its cause, effects and duration.

*This document will serve as the initial 5-Day Report and will be updated as more data and information is received.* We continue to actively investigate the sources and causes of the exceedance.

T. Z. Osborne effluent results for June prior to the 6/30/2021 exceedance:

<table>
<thead>
<tr>
<th>Grab Sample Date</th>
<th>1,4-Dioxane Result</th>
</tr>
</thead>
<tbody>
<tr>
<td>June 2, 2021</td>
<td>2.73 ug/l</td>
</tr>
<tr>
<td>June 9, 2021</td>
<td>20.4 ug/l</td>
</tr>
<tr>
<td>June 16, 2021</td>
<td>4.18 ug/l</td>
</tr>
<tr>
<td>June 23, 2021</td>
<td>3.93 ug/l</td>
</tr>
</tbody>
</table>

Receiving Water Sample Results (received 7/2/2021 at 11:56 a.m.):

<table>
<thead>
<tr>
<th>Grab Sample Location</th>
<th>1,4-Dioxane Result</th>
</tr>
</thead>
<tbody>
<tr>
<td>McLeansville Road</td>
<td>470 ug/l</td>
</tr>
<tr>
<td>Highway 61</td>
<td>406 ug/l</td>
</tr>
<tr>
<td>Highway 62</td>
<td>152 ug/l</td>
</tr>
</tbody>
</table>

For further information contact Elijah Williams at 336-362-6416.