

Table 1: Overview of PFAS Sampling for 2026  
Madison Metropolitan Sewerage District  
TRC Project No.: 567794

| Sample Category                                            | Sampling Scope and Schedule                            | Sample Collection Notes                                                                                                                                                                                                       | Equipment Used                                                                                     | Lab Analysis                 | Goal/Rationale                                                                                                                                                                                                                                                                                                                                                                                               |
|------------------------------------------------------------|--------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------|------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Influent and Effluent</b>                               |                                                        |                                                                                                                                                                                                                               |                                                                                                    |                              |                                                                                                                                                                                                                                                                                                                                                                                                              |
| Influent - 5 Individual Force Mains                        | Monthly<br><br>(plus 2 extra analyses in February)     | 24-hour automated flow-weighted composite samples collected from midnight to midnight. PFAS samples are collected as pour-offs from the composite sampler carboys.                                                            | LDPE carboys (one for each influent sample).                                                       | PFAS (Method 1633)           | Assess variation of influent concentrations over time and variation between the five force mains (could be used to guide potential future efforts for source identification).<br><br>Extra samples for two force mains were analyzed in February to compare the use of deionized water vs. methanol in the extraction of the particulate fraction of samples that are centrifuged due to having high solids. |
| Influent - Composite sampling (force mains)                | Monthly                                                | Composite of influent from five individual force main composite samples (as described above). Sample composited by District lab staff, weighted based on flow rates for each force main during the 24-hour collection period. | LDPE carboys (one for each influent sample), 4 L HDPE jug for composite, glass graduated cylinder. | PFAS (Method 1633)           | Assess variation of influent concentrations over time.                                                                                                                                                                                                                                                                                                                                                       |
| Influent - Composite sampling (force mains + hauled waste) | June                                                   | Pour-off from composite sampler carboy. Composite sampler ran for 20-hours, from midnight to 8 pm, and collected a time-weighted composite (sampling every 10 minutes).                                                       | LDPE carboy.                                                                                       | PFAS (Method 1633)           | Assess total combined influent from force mains and hauled waste for comparison to effluent and hauled waste results.                                                                                                                                                                                                                                                                                        |
| Effluent (Grab)                                            | Monthly                                                | Collect by submerging bottles into reservoir of effluent composite sampler. Sample within the 24 hour period following the end of influent composite sample collection.                                                       | None                                                                                               | PFAS (Method 1633)           | Assess variation of PFAS concentrations in effluent over time. Compare to permit limits, if applicable.                                                                                                                                                                                                                                                                                                      |
| <b>Biosolids - Class A Cake</b>                            |                                                        |                                                                                                                                                                                                                               |                                                                                                    |                              |                                                                                                                                                                                                                                                                                                                                                                                                              |
| Class A Cake (2026 pile)                                   | July                                                   | Collect sample after pile passes bacteria test, prior to distribution.<br><br>Samples collected from pile will be composited from 7 grab samples (at least 2 deeper, the rest shallow) and homogenized.                       | Stainless steel bowl, spoon, trowel, and shovel. Probe also used for deep grab samples.            | PFAS (Method 1633), % Solids | Assess PFAS concentrations in Class A cake prior to land application. Compare to permit limits, if applicable.                                                                                                                                                                                                                                                                                               |
| <b>Biosolids - Class B Sludge</b>                          |                                                        |                                                                                                                                                                                                                               |                                                                                                    |                              |                                                                                                                                                                                                                                                                                                                                                                                                              |
| Class B Sludge                                             | Quarterly                                              | Collect grab sample from end of gravity belt thickener.                                                                                                                                                                       | None                                                                                               | PFAS (Method 1633), % Solids | Assess variation of PFAS concentrations in Class B sludge over time. Compare to permit limits, if applicable.                                                                                                                                                                                                                                                                                                |
| <b>Quality Control Samples</b>                             |                                                        |                                                                                                                                                                                                                               |                                                                                                    |                              |                                                                                                                                                                                                                                                                                                                                                                                                              |
| Equipment Blank (Class A Cake)                             | Concurrent with Class A cake sampling (1 sample total) | Collect as rinsate prior to equipment use (if only one sample is collected) or after decontamination between samples if more than one sample is collected.                                                                    | Not applicable                                                                                     | PFAS (Method 1633)           | QC - evaluate potential cross-contamination from equipment.                                                                                                                                                                                                                                                                                                                                                  |

Notes:  
Starting in March 2026, deionized water was used instead of methanol for the extraction of the particulate fraction of samples that were centrifuged due to being visually screened to have total suspended solids (TSS) results ≥400 mg/L.

Updated by: L. Auner, 7/14/2026  
Checked by: M. Ursin, 7/16/2026

**Table 2: Monthly Summary of PFAS Sampling for 2026**  
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| Sample Event  | Samples                  | Sample ID<br>(add date as YYYYMM) | Laboratory Analysis |             |
|---------------|--------------------------|-----------------------------------|---------------------|-------------|
|               |                          |                                   | PFAS<br>(1633)      | %<br>Solids |
| January 2026  | Influent                 | INF-02-                           | 1                   | --          |
|               |                          | INF-07-                           | 1                   | --          |
|               |                          | INF-08-                           | 1                   | --          |
|               |                          | INF-11-                           | 1                   | --          |
|               |                          | INF-18-                           | 1                   | --          |
|               |                          | INF-COMP-                         | 1                   | --          |
|               | Effluent (Grab)          | EFF-G-                            | 1                   | --          |
| February 2026 | Influent <sup>(1)</sup>  | INF-02-                           | 2                   | --          |
|               |                          | INF-07-                           | 1                   | --          |
|               |                          | INF-08-                           | 1                   | --          |
|               |                          | INF-11-                           | 1                   | --          |
|               |                          | INF-18-                           | 2                   | --          |
|               |                          | INF-COMP-                         | 1                   | --          |
|               | Effluent (Grab)          | EFF-G-                            | 1                   | --          |
| March 2026    | Influent                 | INF-02-                           | 1                   | --          |
|               |                          | INF-07-                           | 1                   | --          |
|               |                          | INF-08-                           | 1                   | --          |
|               |                          | INF-11-                           | 1                   | --          |
|               |                          | INF-18-                           | 1                   | --          |
|               |                          | INF-COMP-                         | 1                   | --          |
|               | Effluent (Grab)          | EFF-G-                            | 1                   | --          |
| April 2026    | Influent                 | BIO-B-                            | 1                   | 1           |
|               |                          | INF-02-                           | 1                   | --          |
|               |                          | INF-07-                           | 1                   | --          |
|               |                          | INF-08-                           | 1                   | --          |
|               |                          | INF-11-                           | 1                   | --          |
|               |                          | INF-18-                           | 1                   | --          |
|               | Effluent (Grab)          | EFF-G-                            | 1                   | --          |
| May 2026      | Influent                 | INF-02-                           | 1                   | --          |
|               |                          | INF-07-                           | 1                   | --          |
|               |                          | INF-08-                           | 1                   | --          |
|               |                          | INF-11-                           | 1                   | --          |
|               |                          | INF-18-                           | 1                   | --          |
|               |                          | INF-COMP-                         | 1                   | --          |
|               | Effluent (Grab)          | EFF-G-                            | 1                   | --          |
| June 2026     | Influent                 | INF-02-                           | 1                   | --          |
|               |                          | INF-07-                           | 1                   | --          |
|               |                          | INF-08-                           | 1                   | --          |
|               |                          | INF-11-                           | 1                   | --          |
|               |                          | INF-18-                           | 1                   | --          |
|               |                          | INF-COMP-                         | 1                   | --          |
|               | Effluent (Grab)          | EFF-G-                            | 1                   | --          |
| July 2026     | Influent                 | INF-TOT-                          | 1                   | --          |
|               |                          | INF-02-                           | 1                   | --          |
|               |                          | INF-07-                           | 1                   | --          |
|               |                          | INF-08-                           | 1                   | --          |
|               |                          | INF-11-                           | 1                   | --          |
|               |                          | INF-18-                           | 1                   | --          |
|               | Effluent (Grab)          | EFF-G-                            | 1                   | --          |
|               | Class A Cake (2026 pile) | BIO-A-26-                         | 1                   | 1           |
|               | Equipment Blank          | EB-01-                            | 1                   | --          |

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| Sample Event   | Samples         | Sample ID<br>(add date as YYYYMM) | Laboratory Analysis |             |
|----------------|-----------------|-----------------------------------|---------------------|-------------|
|                |                 |                                   | PFAS<br>(1633)      | %<br>Solids |
| August 2026    | Influent        | INF-02-                           | 1                   | --          |
|                |                 | INF-07-                           | 1                   | --          |
|                |                 | INF-08-                           | 1                   | --          |
|                |                 | INF-11-                           | 1                   | --          |
|                |                 | INF-18-                           | 1                   | --          |
|                |                 | INF-COMP-                         | 1                   | --          |
|                | Effluent (Grab) | EFF-G-                            | 1                   | --          |
| September 2026 | Influent        | INF-02-                           | 1                   | --          |
|                |                 | INF-07-                           | 1                   | --          |
|                |                 | INF-08-                           | 1                   | --          |
|                |                 | INF-11-                           | 1                   | --          |
|                |                 | INF-18-                           | 1                   | --          |
|                |                 | INF-COMP-                         | 1                   | --          |
|                | Effluent (Grab) | EFF-G-                            | 1                   | --          |
|                | Class B Sludge  | BIO-B-                            | 1                   | 1           |
| October 2026   | Influent        | INF-02-                           | 1                   | --          |
|                |                 | INF-07-                           | 1                   | --          |
|                |                 | INF-08-                           | 1                   | --          |
|                |                 | INF-11-                           | 1                   | --          |
|                |                 | INF-18-                           | 1                   | --          |
|                | Effluent (Grab) | EFF-G-                            | 1                   | --          |
| November 2026  | Influent        | INF-02-                           | 1                   | --          |
|                |                 | INF-07-                           | 1                   | --          |
|                |                 | INF-08-                           | 1                   | --          |
|                |                 | INF-11-                           | 1                   | --          |
|                |                 | INF-18-                           | 1                   | --          |
|                | Effluent (Grab) | EFF-G-                            | 1                   | --          |
| December 2026  | Influent        | INF-02-                           | 1                   | --          |
|                |                 | INF-07-                           | 1                   | --          |
|                |                 | INF-08-                           | 1                   | --          |
|                |                 | INF-11-                           | 1                   | --          |
|                |                 | INF-18-                           | 1                   | --          |
|                |                 | INF-COMP-                         | 1                   | --          |
|                | Effluent (Grab) | EFF-G-                            | 1                   | --          |
|                | Class B Sludge  | BIO-B-                            | 1                   | 1           |
| <b>Totals</b>  |                 |                                   | <b>93</b>           | <b>5</b>    |

Footnotes:

(1) Extra sample volume was analyzed for two influent force mains to compare the use of deionized water vs. methanol in the extraction of the particulate fraction for samples that are centrifuged due to having high solids.

Updated by: L. Auner, 7/14/2026  
Checked by: M. Ursin, 7/16/2026