

Data Template for SCSC Study of TDS Trends in Recycled Water

Column	Parameter Name	Detailed Description of Parameter
1	Year	Year Data was Collected (format: yyyy)
2	Month	Month Data was Collected (numeric format; 1-12)
3	Inf_Flow	Average Daily Influent Flow (mgd, ##.##)
4	Inf_TDS	Average Influent Total Dissolved Solids Concentration (mg/L)
5	Inf_EC	Average Influent Conductivity (microSiemens/cm)
6	Inf_Chloride	Average Influent Chloride Concentration (mg/L)
7	Inf_Sodium	Average Influent Sodium Concentration (mg/L)
8	Inf_Hardness	Average Influent Hardness Concentration (mg/L)
9	Inf_TSS	Average Influent Total Suspended Solids Concentration (mg/L)
10	Inf_BOD	Average Influent Biological Oxygen Demand (mg/L)
11	Eff_Flow	Average Daily Effluent Flow (mgd, ##.##)
12	Eff_TDS	Average Effluent Total Dissolved Solids Concentration (mg/L)
13	Eff_EC	Average Effluent Conductivity (microSiemens/cm)
14	Eff_Chloride	Average Effluent Chloride Concentration (mg/L)
15	Eff_Sodium	Average Effluent Sodium Concentration (mg/L)
16	Eff_Hardness	Average Effluent Hardness Concentration (mg/L)
17	Eff_TSS	Average Effluent Total Suspended Solids Concentration (mg/L)
18	Eff_BOD	Average Effluent Biological Oxygen Demand (mg/L)
19	MWS_TDS	Average TDS Concentration in Mun. Water Supply (mg/L)
20	MWS_EC	Average Conductivity in Mun. Water Supply (microSiemens/cm)
21	MWS_Chloride	Average Chloride Concentration in Mun. Water Supply (mg/L)
22	MWS_Sodium	Average Sodium Concentration in Mun. Water Supply (mg/L)
23	MWS_Hardness	Average Hardness Concentration in Mun. Water Supply (mg/L)
24	Increment_Use	Reported Increment of Use for TDS (mg/L)
25	Inf_TN	Average Influent Total Nitrogen (mg/L)
26	Inf_TP	Average Influent Total Phosphorus (mg/L)
27	Inf_TOC	Average Influent Total Organic Carbon (mg/L)
28	Inf_COD	Average Influent Chemical Oxygen Demand (mg/L)
29	Eff_TN	Average Effluent Total Nitrogen (mg/L)
30	Eff_TP	Average Effluent Total Phosphorus (mg/L)
31	Eff_TOC	Average Effluent Total Organic Carbon (mg/L)
32	Eff_COD	Average Effluent Chemical Oxygen Demand (mg/L)
33	Eff_Chlorine	Average Effluent Chlorine Residual (mg/L)
34	MWS_Flow	Average Daily Volume of Water Delivered to Service Area

Shaded variables (#25-#35) added on 2/13/2017

File Naming Convention: *AgencyName_WWTP.XLSX* (example: IEUA_RP1.XLSX).

Each cell in each row of the Excel spreadsheet represents the average for all sampling data collected in a given month. Ideally, the data in each row should correspond with similar information previously developed for a POTW's monthly Discharge Monitoring Report (DMR).

If no data is available for a given parameter in a given month, leave that cell BLANK.

It is preferable for all data to be submitted in a single spreadsheet table. However, data may also be submitted in a single spreadsheet file with separate worksheet tabs for each year. Each annual worksheet will have 12 data rows corresponding to the months in that year.

Reported Increment of Use is the Average Effluent TDS - Average TDS of the Municipal Water Supply in the WWTP's service area. It would be helpful to know how each agency determines the overall average TDS concentration of the municipal water supply.

Note: BOD data will be used to corroborate water conservation hypothesis; e.g. is less water (per capita) to transport the same amount of sewage waste (per capita)?