

Figure: 30 TAC §319.9(a)

Table 1
MEASUREMENT FREQUENCY FOR TREATED DOMESTIC SEWAGE EFFLUENT
(Based on Permitted Daily Average Flow)

Parameter	0 to less than 0.50 MGD	0.50 to less than 1.00 MGD	1.00 to less than 5.00 MGD	5.00 to less than 10.00	10.00 MGD or greater
Flow	One instantaneous measurement each working day but not less than five measurements per week. (b) (c)	The daily flow measured by a totalizing meter.	The daily flow measured by a totalizing meter.	The daily flow measured by a totalizing meter.	The daily flow measured by a totalizing meter.
Five-Day Biochemical Oxygen Demand	One each week	One each week	Two each week	One each weekday (a)	One each day of the week
Total Suspended Solids	One each week	One each week	Two each week	One each weekday (a)	One each day of the week
Chlorine Residual	One each working day but not less than five measurements per week (c)	One each day of the week	One each day of the week	One each day of the week	One each day of the week
pH	One each month	Two each month	One each week	One each weekday (a)	One each day of the week
Sample Collection	grab sample collected at peak loading periods flow measurements shall be taken concurrently with such grab samples. (d)	pH and chlorine residual test are grab samples or <i>in situ</i> all others are composite sample proportioned according to flow, made up of three portions collected no closer	The laboratory tests, except the pH and chlorine residual test which are performed on grab sample or <i>in situ</i> , shall be made on a composite sample proportioned according to flow, made up of six	The laboratory tests, except the pH and chlorine residual test which are performed on grab samples or <i>in situ</i> , shall be made on 24-hour composite samples proportioned according to flow	The laboratory tests, except the pH and the chlorine residual test which are performed on grab samples or <i>in situ</i> , shall be made on 24-hour composite samples proportioned according to flow

Parameter	0 to less than 0.50 MGD	0.50 to less than 1.00 MGD	1.00 to less than 5.00 MGD	5.00 to less than 10.00	10.00 MGD or greater
		together than 2 hours and with the first sample collected no earlier than 10:00 a.m.	portions collected no closer together than 2 hours and with the first sample collected no earlier than 10:00 a.m.	collected no closer together than 2 hours in 12 individual portions.	collected no closer together than 2 hours in 12 individual portions.

(a) Weekday is Monday through Friday.

(b) Where a totalizing meter is provided, the actual volume of water which has been processed each day should be determined and reported.

(c) Working Day is a day when the plant is visited for routine work.

(d) Peak loading period - that time during the calendar day when the maximum flow rate is experienced within the facility.

[Figure: 30 TAC §319.9(a)]

Design Capacity MGD	Flow	BOD5	Total Suspended Solids	Chlorine Residual	pH	Collecting of Samples and Taking Measurements
0 to less than 0.10	One instantaneous measurement each working day but not less than five measurements per week (b) (c)	One each week	One each week	One each working day but not less than five measurements per week (c)	One each month	The laboratory tests shall be made on a grab sample collected at peak loading periods, and flow measurements shall be taken concurrently with such grab samples. (d)
0.10 to less than 0.50	One instantaneous measurement each working day but not less than five	One each week	One each week	One each working day but not less than five measurements per week (c)	One each month	The laboratory tests shall be made on a grab sample collected at

	measurements per week (b) (c)					peak loading periods, and flow measurements shall be taken concurrently with such grab samples. (d)
0.50 to less than 1.00	The daily flow measured by a totalizing meter	One each week	One each week	One each day of the week	Two each month	The laboratory test excepting the pH and chlorine residual test which are performed on grab samples or insitu shall be made on a composite sample proportioned according to flow, made up of three portions collected no closer together than 2 hours and with the first sample collected no earlier than 10:00 a.m.
1.00 to less than 5.00	The daily flow measured by a totalizing meter	Two each week	Two each week	One each day of the week	One each week	The laboratory test excepting the pH and chlorine residual test which are performed on grab sample or

						insitu shall be made on a composite sample proportioned according to flow, made up of six portions collected no closer together than 2 hours and with the first sample collected no earlier than 10:00 a.m.
5.00 to less than 10.00	The daily flow measured by a totalizing meter	One each weekday (a)	One each weekday (a)	One each day of the week	One each week-day	The laboratory test excepting the pH and chlorine residual test which are performed on grab samples or insitu shall be made on (a) 24-hour composite samples proportioned according to flow collected no closer together than 2 hours in 12 individual portions.
10.00 or greater	The daily flow measured by a totalizing meter	One each day of the week	The laboratory test excepting the pH and the chlorine residual test which are			

						performed on grab samples or insitu shall be made on 24-hour composite samples proportioned according to flow collected no closer together than 2 hours in 12 individual portions.
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[(a) Weekday - Monday thru Friday.]

[(b) Where a totalizing meter is provided, the actual volume of water which has been processed each day should be determined and reported.]

[(c) Working Day - A day when the plant is visited for routine work.]

[(d) Peak loading period - That time during the calendar day when the maximum flow rate is experienced within the facility.]

[(e) Flow - Determined by actual measurement of effluent flow or determined by calculation based upon influent measurement unless effluent flow is specified in the permit.]

[NOTE: See 30 TAC §319.5(e) concerning additional measurements and documentation.]