

Figure: 30 TAC §217.155(b)(1)

Table F.4. - Minimum Airflow Requirements for Diffused Air

Process	Airflow/Five-day biochemical oxygen demand (BOD₅) load <i>standard cubic feet/day/pound</i>
Conventional activated sludge systems that are not intended to nitrify	1,800*
Extended aeration systems and all other activated sludge systems that are intended to nitrify, including all oxidation ditch treatment systems	3,200*
*These values were calculated using Equation F.3. in Figure: 30 TAC §217.155(b)(2)(A)(iv) with the following assumptions: a transfer efficiency of 4.0% in wastewater for all diffused air activated sludge processes; a diffuser submergence of 12 feet; a wastewater temperature of 20°C; and the oxygen requirements in Figure: 30 TAC §217.155(a)(3), Table F.3.	