



COMMONWEALTH OF PENNSYLVANIA
Department of Environmental Protection
Bureau of Water Standards and Facility Regulation

Nutrient Monitoring Data Entry in eDMR

Permits for facilities in the Chesapeake Bay watershed and other permits with nutrient monitoring often include parameters more than once in effluent limit tables. In data systems, each parameter has a unique code. There is one unique code for each parameter name and measurement unit. For example, there is one code for Total Nitrogen (00600) with conventional units of mg/l for concentration and lbs/day for mass loading. There must be a separate Total Nitrogen code (51445) for units of pounds (lbs).

Presented below are typical nutrient parameters as displayed in the eDMR system's web form, and an explanation of what the parameter display names represent.

<u>Parameter Display Name</u>	<u>Explanation</u>
Total Nitrogen (00600) Stage Code: 1	Total Nitrogen concentration (mg/l) and loading (lbs/day)*, Final Effluent
Ammonia-Nitrogen (00610) Stage Code: 1	Ammonia-Nitrogen concentration (mg/l) and loading (lbs/day), Final Effluent
Total Kjeldahl Nitrogen (00625) Stage Code: 1	Total Kjeldahl Nitrogen concentration (mg/l) and loading (lbs/day)*, Final Effluent
Nitrate-Nitrite as N (00630) Stage Code: 1	Nitrate plus Nitrite-Nitrogen concentration (mg/l) and loading (lbs/day)*, Final Effluent
Total Phosphorus (00665) Stage Code: 1	Total Phosphorus concentration (mg/l) and loading (lbs/day), Final Effluent
Total Nitrogen (51445) Stage Code: 1	Total Nitrogen load (total lbs), Final Effluent
Ammonia-Nitrogen (51446) Stage Code: 1	Ammonia-Nitrogen load (total lbs), Final Effluent
Total Kjeldahl Nitrogen (51449) Stage Code: 1	Total Kjeldahl Nitrogen load (total lbs), Final Effluent
Nitrate-Nitrite as N (51450) Stage Code: 1	Nitrate plus Nitrite-Nitrogen load (total lbs), Final Effluent
Total Phosphorus (51451) Stage Code: 1	Total Phosphorus load (total lbs), Final Effluent
Total Nitrogen (51445) Stage Code: 2	Total Nitrogen load (total lbs), Effluent Net (Final Effluent value adjusted for credits/offsets)
Total Phosphorus (51451) Stage Code: 2	Total Phosphorus load (total lbs), Effluent Net (Final Effluent value adjusted for credits/offsets)

* Permits typically do not require reporting of loading in terms of lbs/day for Total Nitrogen, Total Kjeldahl Nitrogen and Nitrate plus Nitrite-Nitrogen.