

Exercise 1

Forms of Nitrogen

On the attached table, fill in the values for total nitrogen, soluble organic nitrogen, and organic nitrogen at the bottom of each of the four columns. If necessary, refer back to transparencies 5, 16 and 18 from your handout.

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Typical Concentrations of Nitrogen in Influent & Effluent

	Raw Municipal Influent	Primary Effluent	Secondary Effluent (No Nitrification)	Secondary Effluent (Nitrified)
NH_4^+ - N	15	16	12	1.0
SKN	18	18	13	1.2
TKN	30	25	15	2.2
NO_2^- - N	0	0	0	0.1
NO_3^- - N	0	0	0	17

Total N

Sol. Organic - N

Organic - N