

**Supporting Information**

**Acute and Chronic Effects of Roxarsone on Biological Nitrogen and Phosphorus**

**Removal and Its Mechanism**

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Table S1 Statistical analysis results of PHA synthesis under the influence of different concentrations of pollutants

Roxarsone (mg/L)	F <sub>observed</sub>	F <sub>significant</sub>	P (0.05)
0	3.05	4.07	3.21
30	2.98	4.07	0.89
60	1.64	4.07	$1.26 \times 10^{-2}$
90	1.25	4.07	$9.12 \times 10^{-2}$
120	0.56	4.07	$7.06 \times 10^{-3}$

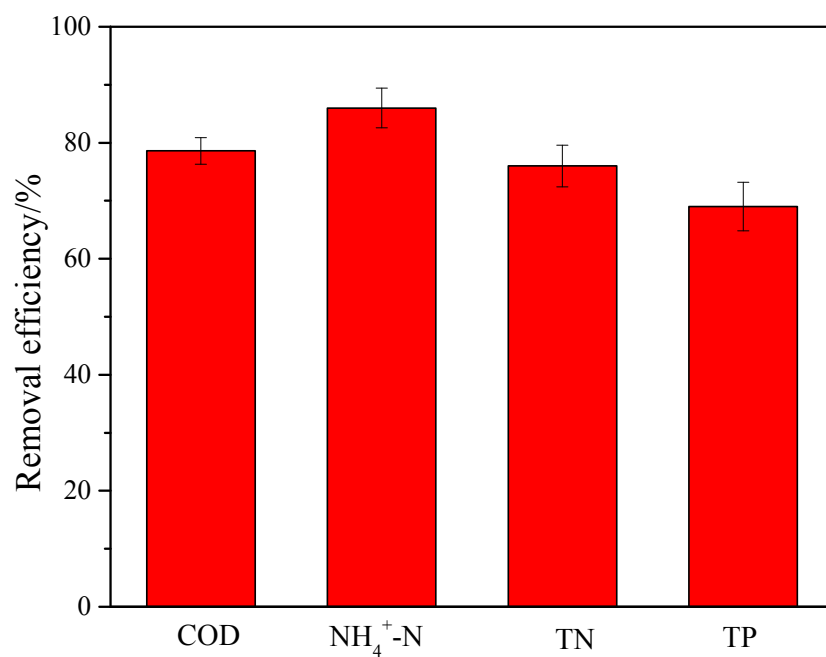


Figure S1 Effect of roxarsone on BNR performance in a livestock and poultry breeding wastewater treatment station during stable operation period.