



## Wastewater Pre-Projection Questionnaire

<b>Site Name:</b>	<b>Date:</b>
<b>Contact Person:</b>	<b>Phone:</b>
<b>Title:</b>	<b>Email:</b>
<b>Data source:</b>	
<b>Source of discharge limits:</b>	<b>Analyzed by:</b>

1. What is the volume of wastewater to be treated? (gallons/day or gallons/minute)	
2. Where does the wastewater originate?	
3. How is the wastewater currently treated?	
4a. What is the disposition of the treated water? Re-use or disposal?	
4b. If you transport your wastewater to a treatment facility, what are the total costs for treatment, including transportation and disposal?	
5. What are the requirements for treated water? What pollutants do you need to have removed from the water?	
6. Reverse osmosis (RO) separates water from the contaminants, yielding two volumes of liquid: the <i>permeate</i> is the clean portion, and the <i>concentrate</i> contains the extracted wastes. Do you have a location to reuse or dispose of the concentrated liquid waste product from reverse osmosis?	
7. Do you have a wastewater discharge permit? If so, please provide a copy.	



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## Water Analysis—Part I: General Parameters

Parameter	Unit	Raw water	Discharge Limit
pH value	[units]		
Conductivity	[mS/cm]		
Bicarbonate	[mg/l]		
TDS	[mg/l]		
COD	[mg/lO <sub>2</sub> ]		
BOD <sub>5</sub>	[mg/lO <sub>2</sub> ]		
TSS	[mg/l]		
Nitrogen, total	[mg/l]		
Hydrocarbons	[mg/l]		



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## Water Analysis--Part II: Cations

<b>Parameter</b>	<b>Unit</b>	<b>Raw water</b>	<b>Discharge Limit</b>
Calcium, Ca	[mg/l]		
Magnesium, Mg	[mg/l]		
Sodium, Na	[mg/l]		
Potassium, K	[mg/l]		
Iron, Fe, total	[mg/l]		
Manganese, Mn	[mg/l]		
Barium, Ba	[mg/l]		
Strontium, Sr	[mg/l]		
Aluminium, Al	[mg/l]		
Ammonium-N, NH <sub>4</sub> <sup>+</sup>	[mg/l] as N		



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<b>Source of discharge limits:</b>	<b>Analyzed by:</b>

### Water Analysis--Part III: Anions

<b>Parameter</b>	<b>Unit</b>	<b>Raw water</b>	<b>Discharge Limit</b>
Chloride Cl	[mg/l]		
Ortho-Phosphate-PO4	[mg/l] as PO4		
Phosphate, total	[mg/l]		
Sulfate	[mg/l]		
Fluoride	[mg/l]		
Borate	[mg/l] as B		
Sulfide	[mg/l]		
Silicates, SiO2	[mg/l]		