



QUESTIONNAIRE FOR WWTP INSTALLATION ANALYSIS

DATE	
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TOWN			
MAYOR			
DIR. Planning			
TELEPHONE		E-MAIL	

1.0 CITY, GENERAL INFORMATION

1.1	Total population		population
1.2	Total number of housing units connected to the network		units
1.3	Total number of metered dwelling units		units
1.4	Average number of people per dwelling unit		persons
1.5	Estimated annual projection of the city		
1.5.1	In number of housing units		units
1.5.2	Percentage		%
1.5.3	In number of inhabitants		population
1.5.4	Percentage		%
1.6	Total collection for discharges:		
1.6.1	Current Month		
1.6.2	Last month		
1.6.3	January to date		
1.6.4	Total in previous year		
1.7	How many discharge points are there from the sewer network to the river		points
1.8	How far is it from between each pour point		meters
	Add comment if necessary		
1.9	How far is it from each discharge point to the river		meters
	Add comment if necessary		
1.10	Adequate land is available for a WWTP		
1.11	There are soil studies		
1.12	There is a previous study to install a WWTP		

2.0 DRINKING WATER (Aqueduct)

2.1	Average volume of water / day injected into the network				cubic meters
2.2	Total volume of real water billed last month				cubic meters
2.3	Total actual volume of water billed in the previous month				cubic meters

3.0 WASTE WATER (Sewerage and discharge)

3.1	Wastewater is poured raw into the river			YES	NO
3.2	They do some kind of wastewater treatment			YES	NO
Add comment if necessary					
3.3	The sewer network for waste and rain are separated			YES	NO
Add comment if necessary					
3.4	Volume of water average / day dumped into the river				cubic meters
3.5	Volume real of actual discharges invoiced in the last month				cubic meters
3.6	Volume real of actual discharges billed the previous month				cubic meters
3.7	The user is being charged for wastewater treatment			YES	NO
3.8	If you answered YES , How much is the charge per cubic meter?				
3.9	If you answered NO , we will need the Sewer charge breakdown.				
Fixed charge				COP	% USERS
Residential					
Commercial					
Industrial					
					100.0%
Rate per cubic meter of basic shedding					
Residential					
Commercial					
Industrial					
					100.0%
Rate per cubic meter of complementary discharge					
Residential					
Commercial					
Industrial					
					100.0%

3.9.2 Yes, **It is not** possible to establish an average of all residential levels of service we will need detailed information by level, indicate it here:

Fixed residential charge		% USERS
	Low level	
	Medium level	
	High level	
		100.0%

Residential rate per cubic meter of basic discharge		
	Low level	
	Medium level	
	High level	
		100.0%
Residential rate per cubic meter of complementary discharge		
	Low level	
	Medium level	
	High level	
		100.0%
Rate per cubic meter of luxury discharge		
	Low level	
	Medium level	
	High level	
		100.0%

Wastewater Parameter			
Flowrate Intake (gpm or gpd)			
Discharge (gpm or gpd)			
	Daily maximum concentration (ppm)	Treated effluent (ppm)	Target (ppm)
Biological Oxygen Demand (BOD)			
Chemical Oxygen Demand (COD)			
Total Suspended Solids (TSS)			
Oil and Grease			
pH			
Temperature			
Total Coliform			
Ammonia Nitrogen			
Total Nitrogen			
Phosphorus			

Phenols(if any)			
Benzene (if any)			
Color (PCU)			
Heavy Metals (if applicable)			
	Daily maximum concentration (ppm)	Treated effluent (ppm)	Target (ppm)
Arsenic			
Sulfur			
Chromium			
Cyanide			
Lead			
Mercury			
PCB			

**Kindly submit supporting(s) if there are any (layout plans, testing analyses and etc.)*

Planned Treatment Facility	
I. Allocated Land Space/Area for STP/WWTP?	
II. Electricity Charge per kw/h	
III. Is the Pipe Ready?	
IV. How much volume is projected every 5 years?	
V. Intended use for the treated waste water? Standard Discharge Compliant or For Reuse?	Standard Parameter: _____ If for reuse, intended usage: _____
VI. Do you prefer Concrete or Liners?	
VII. Are we going to provide Lift Station	<input type="checkbox"/> Yes or <input type="checkbox"/> No
VIII. Solar Panels after year 1	<input type="checkbox"/> Yes or <input type="checkbox"/> No
IX. Additional Requests: (If any)	

With Existing Treatment Facility			
X.	Type of Wastewater System		
XI.	Additional Space allocated if there's needed for additional tank/s		
XII.	Name of Tank/Chamber	Quantity	Capacity and dimensions (no freeboard)
XIII.	How much space we utilize if we're going to add tank/chamber		
XIV.	Energy Consumption of the Treatment Plant		
XV.	Sludge Quantity		
XVI.	Where do you dispose your sludge?		
XVII.	What type of system do you use for polishing your effluent (ex. UV, Chlorination, etc)		

**Kindly submit supporting document(s) if there are any (layout plans, testing analyses and etc.)*

For any questions or concerns you may have, please contact us at info@biocleaner.com or the telephone number written above.