

INSTALLATION CONDITIONS – RAW WATER ANALYSIS REPORT

Please provide as much information as possible

PROJECT DESCRIPTION

Public

Private

Company name and contact person(s):

Address / Country:

Country and place of installation

Approximate date of installation

TECHNICAL ASPECTS OF THE SITE

A) Water Source / collection:

What is the nature of the water source?

Well / Borehole

River / Creek

Lake / Pond

Ocean / Sea

Public water networks

Other(s): _____

If a well, what is its nature?

Artesian well

Ground well

If a borehole, what is the depth (in meters)?

Maximum depth: _____

Static depth (level of water when not pumping): _____

Active depth (level of water when actively pumping): _____

If a pump already exists, please clarify:

Type of pump: _____

Flow (in L/H): _____

Pressure (in bars): _____

Water pipe diameter (in mm): _____

If a reservoir already exists, clarify:

Capacity (in m3): _____

Height (in meters): _____

Pipe diameter (in mm): _____

Is the source salt water or fresh water?

- Fresh water
- Salt water / brackish water
- Approximate level of TDS (Total Dissolved solids): _____

What other types of contaminant are in the water?

- Ferric Oxide
- Arsenic
- Oils
- Nitrate
- Other(s): _____

What is the average temperature of the water?

What is the minimum and maximum temperatures of the water?

How do we reach the place of installation?

- Road
- Path
- Inaccessible (air lifting required)
- Other(s) _____

What is the nature of the land?

- Cultivated
- Natural
- Other(s): _____

The unit will be exposed to natural risks?

- Flooding
- Rock fall
- Mudslides
- Others(s): _____

What is the distance between the water source and the water unit (approx. in meters)?

What is the average air temperature?

How many hours of sun per day? Please, check your local conditions.

What is the strength of wind? Please check your local wind conditions. (In m/s)

What type of energy is available on site?

- Public electricity network
- Gas/generator networks
- Solar power
- Other: _____

Is a generating set already exists, specify:

Type of generating set: _____

Power (in Kw): _____

What is the common electricity voltage?

- 110 V
- 220 V
- 380 V
- 60 Hz
- 50Hz
- Other(s): _____

C) Storage / Distribution:

Is there a reservoir or packaging unit in the installation site?

- Water tower
- Cistern / tank
- Packaging equipment (bottling line, bagging unit)
- None
- Other(s): _____

How will the water be distributed on site?

- Manual pump
- Water fountain
- Recovery pump towards a local distribution network

If a recovery pump already exists, specify:

Type of recovery pump: _____

Output (in L/h): _____

Pressure (in bars): _____

Diameter of water duct (in mm): _____

How many people need to be provided daily with clean drinking water? _____

How many liters of water need to be produced per day? _____

Which options would need to be added for storage and distribution?

- Thermo-sealing device to create plastic bags
- Ice machine
- Gasification
- Other(s): _____

PHYSICO-CHEMICAL ANALYSIS					
CATIONS	mg/L (ppm)	°F	ANIONS	mg/L (ppm)	°F
Calcium (Ca)			M-Alkalinity (HCO3)		
Magnesium (Mg)			P-Alkalinity (CO3)		
Total Hardness (TH)			Carbonic Gas (CO2)		
Sodium (Na)			Sulfates (SO4)		
Potassium (K)			Chlorides (Cl)		
Iron (Fe)			Nitrates (NO3)		
Manganese (Mn)			Fluor (F)		
Aluminium (Al)			Silica (SiO2)		
Baryum (Ba)					
Strontium (Sr)					
Ammonium (NH4)					
TDS (Total Disolved Solids)		mg/L	Suspended Solids		mg/L
ST (Total Salinity)		°F	TOC (Total Organic Carbon)		mg/L
pH			Temperature		°F
Dry residue		mg/L	Conductivity		µS
Free Chlorine		mg/L	Turbidity		NTU
Total Chlorine		mg/L	Bactéria		cfu/ml
Fouling index (SDI)			Colour		
Alkanity (At)		°F	Odor		
Full alkanity (TAC)		°F	Taste		

BACTERIOLOGICAL ANALYSIS	
E. Coli / 100ml (E.C)	
Heat resistant Coliforms / 100ml	
Total Coliforms / 100ml	
Enterococcus / 100ml	
Aerobic bacteria revivable at 22°C / ml	
Aerobic bacteria revivable at 37°C / ml	
Fecal Streptococcus / 100ml	
Anaerobic bacteria spores sulfito-reducing / 50ml	

Comments:

Please note: The buyer of our products is responsible and liable that the AguaSmart Water Systems products apply to the necessary standards in the country of installation/destination