Please complete as much as you can. The more complete the feed-water analysis and capacity data, the faster and more accurate the design. Fields are fillable on your computer.

1. CLIENT & PROJECT INFORMATION

Company / Utility name	
Contact name	
Title	
Email	
Phone	
Project name	
Site location (city, state)	
Date	
Application	Potable Process Industrial Irrigation Other
If other, describe	

2. CAPACITY & PRODUCT WATER REQUIREMENTS

Required product water flow	(enter value)
flow units	GPD GPM MGD
This flow is	Permeate Finished-blended
Blend raw water to reduce cost?	Yes No Unsure
Target finished-water TDS	mg/L
Target/required recovery (if known)	%
Operating hours per day	hr/day
Days per week	day/wk
Number of trains / redundancy needed	
Future expansion capacity (if any)	

3. FEED WATER SOURCE

Source type	Well Surface Municipal Brackish Seawater Other
Number of sources / wells	
Feed temperature min	
Feed temperature max	(state deg F or C)
Feed pressure available at RO inlet	psi
SDI15 (if tested)	
Turbidity	NTU
Free chlorine	mg/L
Feed chlorinated upstream?	Yes No

4. FEED WATER ANALYSIS (attach a recent lab report if available; fill the values you have)

All concentrations in mg/L unless noted. Silica, sulfate, barium and strontium are critical for scaling/recovery — please provide if at all possible.

CATIONS

Calcium (Ca)		mg/L	Magnesium (Mg)		mg/L
Sodium (Na)		mg/L	Potassium (K)		mg/L
Barium (Ba)		mg/L	Strontium (Sr)		mg/L
Iron (Fe)		mg/L	Manganese (Mn)		mg/L
Ammonium (NH4)		mg/L	Aluminum (Al)		mg/L

ANIONS

Chloride (Cl)		mg/L	Sulfate (SO4)		mg/L
Bicarbonate (HCO3)		mg/L	Carbonate (CO3)		mg/L
Nitrate (as N)		mg/L	Fluoride (F)		mg/L
Phosphate (PO4)		mg/L	Hydrogen sulfide (H2S)		mg/L

SILICA, BORON, GASES

Silica (SiO2)		mg/L	Boron (B)		mg/L
Carbon dioxide (CO2)		mg/L			

AGGREGATE / FIELD

Total dissolved solids		mg/L	Conductivity		uS/cm
pH		s.u.	Total hardness		mg/L CaCO3
Total alkalinity		mg/L CaCO3	Turbidity		NTU

RADIONUCLIDES (if required by state)

Gross alpha		pCi/L	Combined Ra-226/228		pCi/L
Uranium		ug/L	Gross beta		pCi/L

Lab name and date of analysis

5. SITE & MECHANICAL

Installation — Indoor — Outdoor

Existing building? — Yes — No

Available footprint L x W x H (ft)

Door / access size constraints

Site elevation ft

Ambient temperature range

Seismic / wind design criteria

6. ELECTRICAL & CONTROLS

Available voltage / phase / frequency e.g. 480V/3/60

Available power capacity A or kVA

Controls preference	AllenBradley	Siemens	Other	
SCADA / plant integration required?	Yes	No		
Control panel location	On-skid	Off-skid		

7. CONCENTRATE (REJECT) DISPOSAL

Disposal method	Sewer	Surface	Deep-well	Evaporation	Other
Discharge permit limits (if any)					

8. POST-TREATMENT

Post-treatment required?	Yes	No	Existing		
Type	pH-adjust	Corrosion-inhib	Chlorination	Fluoride	Other
Provided by	AWP	Others			

9. EQUIPMENT PREFERENCES (optional)

Preferred membrane brand	
Preferred pressure vessel	
Preferred pump brand	

10. ADDITIONAL REQUIREMENTS / NOTES

SUBMIT THIS FORM

Save the completed PDF and email it to: info@awp.co. AWP will load your data into our RO design program and prepare a preliminary system design and budget. Questions: 800-283-5007.