

Puroxi Site Evaluation Checklist

PSE-001 | Testing | Intended for: Consultant

Project identification

- Customer and organization: _____
- Site address and country: _____
- GPS coordinates or dropped-pin link: _____
- Primary contact, email and phone: _____
- Application and intended water use: _____
- Problem to solve and measurable objective: _____

Water source and dimensions

- Source: well / pond / reservoir / river / municipal / wastewater / process / other
- Length: _____ Width: _____ Average depth: _____ Maximum depth: _____
- Calculated or known volume: _____ Seasonal level change: _____
- Daily inflow/outflow or water use: _____ Peak flow: _____
- For open water: mark inlets, outlets, islands, shallow zones, obstructions and proposed equipment locations on an aerial image.

Water information

- Attach the complete laboratory report, sampling date and laboratory name.
- Record pH, temperature, dissolved oxygen, conductivity/TDS, turbidity, alkalinity, hardness, iron, manganese and application-specific results.
- Describe algae, odour, staining, scale, sediment, biofilm, corrosion or animal/crop/process effects.
- Attach current and historical photographs from identified locations.

Existing equipment and hydraulics

- Pump make/model, curve, flow, pressure, power, voltage, frequency and phase
- Pipe material, inside/outside diameter, length, elevation and fittings
- Filters, valves, tanks, aerators, mixers, chemical feed and controls
- Operating schedule, maintenance history and known restrictions
- Available location for a submersible pump cage or shore-mounted flooded-suction pump

Electrical and installation conditions

- Available voltage, frequency, single-phase/three-phase and breaker capacity
- Exact power location and distance to the proposed equipment
- Qualified electrician available: yes / no
- Flood level, weather, temperature, ice, wind, security and access conditions
- Required cable length, trenching, conduit, anchors, platforms or protective cages

Treatment and monitoring

- Preferred technology or restriction: nano / ultrasonic / oxygen / dosing / descaler / undecided
- Gas source: filtered ambient air / oxygen / ozone / CO2 / N2 / other
- Sensitive organisms, crops, livestock, people, materials or processes
- Baseline monitoring available and responsible person
- Desired trial period, reporting frequency and acceptance criteria

Attachments required

- Aerial map with scale and equipment/power locations
- Site photographs and video
- Water report and process data
- Pump curve and equipment nameplates
- Piping drawing or marked sketch
- Regulatory or discharge requirements

Submission note: Puroxi may request additional testing or clarification before making a recommendation. Incomplete information limits the accuracy of preliminary design.