



# Technical Note 117

## StreamerSense - Pre-Installation Checklist

### Why complete this form?

Pi are committed to ensuring that you get the best experience from your StreamerSense. To ensure that the StreamerSense is suitable to meet your objectives we need the following information to get every installation right first time, every time. When you have completed the form please email it to your local sales organisation or direct to Pi in the UK.

### Plant Details

Name .....

Job Title .....

Mobile No .....

Plant Name .....

Town .....

Country .....

Telephone No .....

E-mail .....

Date .....



### Application

1. Application type: Water Plant, In-plant Process, DAF, Laundry, Other (explain): \_\_\_\_\_

2. Batch Process: \_\_\_\_\_, Occasional Shutdowns: \_\_\_\_\_, or Continuous Online Process: \_\_\_\_\_.

3. Quality Water Data (please indicate units):

Flow Rate	Max: _____	Min: _____	Normal: _____
TOC (Raw Water)	Max: _____	Min: _____	Normal: _____
UVA (Raw Water)	Max: _____	Min: _____	Normal: _____
UVA (Final Water)	Max: _____	Min: _____	Normal: _____
Turbidity (Raw Water)	Max: _____	Min: _____	Normal: _____
Turbidity (Settled Water)	Max: _____	Min: _____	Normal: _____
TDS (Raw Water)	Max: _____	Min: _____	Normal: _____
*Alkalinity (Raw Water)	Max: _____	Min: _____	Normal: _____
pH (Raw Water)	Max: _____	Min: _____	Normal: _____
*pH (Post Coagulant Addition)	Max: _____	Min: _____	Normal: _____
Coagulant (PPM)	Max: _____	Min: _____	Normal: _____

Coagulant Type: \_\_\_\_\_.

4. Is chemical feed neat \_\_\_\_\_ or diluted \_\_\_\_\_? Is carrier water used? Yes \_\_\_\_\_ No \_\_\_\_\_

**\*MUST include**

5. Is coagulant/flocculant being fed at a point that ensures thorough mixing with the stream before the sample for StreamerSense is taken? Yes \_\_\_\_\_ No \_\_\_\_\_
6. How is mixing of coagulant accomplished? \_\_\_\_\_
7. Sample to be obtained from: open channel with submersible pump \_\_\_\_\_ pressurised line \_\_\_\_\_  
gravity feed \_\_\_\_\_ other (explain): \_\_\_\_\_
8. Estimated (calculated) lag time from chemical feed point to sample take off point:  
Max. flow: \_\_\_\_\_ Min. flow: \_\_\_\_\_
9. Does raw water flow change widely ( $\pm 30\%$ ), and/or frequently in a relatively short time (e.g. once per hour).  
Yes \_\_\_\_\_ No \_\_\_\_\_ If Yes, how often or quickly: \_\_\_\_\_
10. Is an open, atmospheric drain available at sensor location? Yes \_\_\_\_\_ No \_\_\_\_\_
11. Is chemical currently paced on raw water flow? Yes \_\_\_\_\_ No \_\_\_\_\_
12. Is SCM to be used for: \_\_\_\_\_ auto-control or \_\_\_\_\_ monitoring only?

## Tell us more

If plans include using the SCM for Auto-Control, then please answer the following questions:

1. Is it planned to pace chemical on both a raw water flow and SCM signal, or just the SCM signal alone?

\_\_\_\_\_

2. Will the chemical feed control be performed by SCADA/PLC with a signal from the SCM analyser or will an SCM with on-board PID control (SCM controller) be needed?

SCADA/PLC Control - SCM monitor \_\_\_\_\_ SCM controller (On-board PID) \_\_\_\_\_

3. Does chemical feed pump accept: \_\_\_\_\_ 4-20mA signal \_\_\_\_\_ pulse?

## Drawing

Please draw below (or attach) a line diagram showing raw water flow, chemical feed points, mixer, possible sample points, settling basins, filters, etc. Something like this:

