



## Requirements for MCERTS audit of Flow Measurement Systems.

To assist with the audit of the flow measurement system it would be helpful if the following issues could be addressed prior to the MCERTS Inspector attending site.



The inspector will need to:

- Gain access to site. Please can you advise if there is a site induction and any specific start times, duration and ID or training certificates requirement(s).
- See a copy of the EA permit that identifies the requirement for MCERTS certification. The permit number is needed to tie our MCERTS report to the EA permit. The permit also provides us with the EA description of the works/process, the discharge schedule (i.e. W1 Discharge to sewer) and the discharge conditions (i.e. Maximum discharge or daily limit).
- Confirm the site process and where in the process the flow is measured.
- Understand the discharge pattern of the site i.e. Does the discharge gravitate through a 24-hour period, is the flow batched and pumped, Is the discharge related to the shift pattern? Does the flow rate vary and what is a typical discharge? If possible some representative flow data will help to assess the uncertainty.
- See the display for the flow meter (the secondary device). To be able to record the Model and Manufacturer, and all serial numbers. To be able to interrogate the meter and record some basic setup details (this may involve connecting a laptop computer).
- Access the flow meter (primary device) i.e. the weir chamber, flume channel or Mag meter and pipe work. We will need to carry out a detailed audit of this device/instrument and carry out a verification. We will therefore need to witness flow through the meter during the audit. Also, if the inspection will require a confined space entry, please can you advise so that we can bring the appropriate equipment and prepare the necessary RAMS.
- Our report will need to include detail of the maintenance system in place and we will make a comment in the report on the effectiveness of the system. Ideally the measurement system would be looking at its best when we carry out the audit!
- Prior to attending site, it is likely that Risk and Method statements should be prepared. Risk assessments will require the site hazard identification emailing through in advance.

