

Course Title: Water Treatment Plant Operation Refresher (7288)	
Duration: 2 Days	Certification: LASNTG Certification
Expiry Period: 5 years	Award: Attendance Certificate

Aim of Programme:

This programme aims to provide attendees with a refresher on the knowledge, skills and competencies to operate and maintain a water treatment plant in a safe and efficient manner in compliance with current legislation, regulations and guidelines

Target Learner:

This training programme is for Local Authority Water Treatment Plant Operatives who have successfully completed the QQI Accredited Level 5 Water Treatment Plant Operations qualification five or more years ago (at the time of refresher training).

Course Content:

- **Introduction:** Dealing with Pathogens/Pricing & Affordability/IW Investment Plans
- **Log Rating for Treatment Plants:** IW and EPA requirements/Alarm Settings and Responses. IW Process Manuals.
- **Drinking Water Regulations:** Including extra information on selected parameters incl THMs
- **Treatment Process Overview:** Stages involved in the treatment process.
- **CFC Process:** Detailed review of the Coagulation/Floculation/Clarification process incl DWSP issues, chemicals used and the effects of pH, temperature, chemical selection, mixing arrangements, flow distribution, bleed operation. DAF/DAFF Issues.
- **Filtration:** Detailed review of the Filtration Process incl IW SOP's, Filter Examination techniques and DWSP issues.
- **Disinfection Programme/Sodium Hypochlorite:** DWSP Issues. How Chlorine works/Ct calculations/Chlorine Demand/Dose Calculations/ IW Disinfection Programme.
- **Dealing with Iron and Manganese:** Process requirements for successful removal of Iron and Manganese. Case studies of successful removal strategies.
- **Distribution Issues:** Correct use of the Langelier Saturation Index. Dealing with Lead.
- **Energy and Sustainability Issues**
- **IW Reporting/Incident Management**
- **Site Work:**
 - Jar test to show effects of pH
 - Filter Evaluation - Sludge Retention Profile

Assessment:

There are no marked assessments. There are pre-course and post-course quizzes.

Entry requirements:

- Applicants must be able to demonstrate a level of knowledge, skill and competence associated with Level 4 of the NFQ.
- Must have previously completed the QQI Accredited Level 5 Water Treatment Plant Operations

Equipment/Documentation the learner must bring to course:

- Personal Protective Equipment (Safety Boots / High Vis)

Enquiries and Booking:

Please contact your local Regional Training Centre:

- Ballincollig: brtc@corkcoco.ie
- Ballycoolin: ballycoolintraining@fingal.ie
- Castlebar: crtc@mayococo.ie
- Roscrea: roscreartc@tipperarycoco.ie
- Stranorlar: stranorlartc@donegalcoco.ie

See www.lasntg.ie for further details

