

# Site Visit Report

Under the European Union (Drinking Water) Regulations 2014 as amended, the Environmental Protection Agency is the supervisory authority in relation to Irish Water and its role in the provision of public water supplies. This Audit was carried out to assess the performance of Irish Water in providing clean and wholesome water to the visited public supply.

The audit process is a sample on a given date of the facility's operation. Where a finding against a particular issue has been reported this should not be construed to mean that this issue is fully addressed.

| Water Supply Zone               |                         |
|---------------------------------|-------------------------|
| <b>Name of Installation</b>     | Mountain Stage PWS 062A |
| <b>Organisation</b>             | Irish Water             |
| <b>Scheme Code</b>              | 1300PUB1119             |
| <b>County</b>                   | Kerry                   |
| <b>Site Visit Reference No.</b> | SV18364                 |

| Report Detail      |                  |
|--------------------|------------------|
| <b>Issue Date</b>  | 07/10/2019       |
| <b>Prepared By</b> | Cliona Ni Eidhin |

| Site Visit Detail          |   |                  |       |
|----------------------------|---|------------------|-------|
| <b>Date Of Inspection</b>  | 09/09/2019  | <b>Announced</b> | No    |
| <b>Time In</b>             | 13:45   | <b>Time Out</b>  | 16:00 |
| <b>EPA Inspector(s)</b>    | Cliona Ni Eidhin<br>Regina Campbell   |                  |       |
| <b>Additional Visitors</b> |   |                  |       |
| <b>Company Personnel</b>   | Irish Water: Tommy Roche, Oliver Harney.<br>Kerry County Council: Kathleen Casey, Seamus O'Mahony, Eamon Lawlor.<br>JB Barry & Partners: James Ireland.<br>Veolia: Tim O'Brien. |                  |       |

## > Summary of Key Findings

1. The audit found that remedial works at the two treatment plant sites (Coomaglaslaw Lake and Droum borehole) serving the Mountain Stage Public Water Supply are at an advanced stage and on track for full commissioning in quarter four of 2019.
2. The gathering of the verification data necessary for consideration of this supply for removal from the Remedial Action List (RAL) should commence once process proving has been completed. When the required verification data have been submitted to the EPA, this supply will be considered for removal from the RAL.

## > Introduction

The Mountain Stage Public Water Supply (PWS) has a primary raw water source, Coomaglaslaw Lake and a supplementary source, Droum Borehole, which is used at times of greater demand. The sources are located some 5 km apart and a separate treatment plant is in place at both locations currently both providing disinfection only. The lake source provides 31 m<sup>3</sup>/hour whilst the borehole provides 6 m<sup>3</sup>/hour when operational. The supply serves a population of 840. The construction of new treatment plants at both locations was at an advanced stage on the day of the audit with commissioning of both expected in quarter four of 2019. The Mountain Stage PWS has been on the Remedial Action List since 2008 due to the absence of a treatment barrier to prevent *Cryptosporidium* from entering the supply. The most recent *Cryptosporidium* detections in this supply were during July and August 2019.

## > Supply Zones Areas Inspected

This audit of the Mountain Stage PWS sought to determine the status of remedial works to install a *Cryptosporidium* barrier on the supply. The construction site at Coomaglaslaw Lake and Droum borehole were inspected.



## 1. Supply on the Remedial Action List

|   |  | Answer |
|---|--|--------|
| 1.1   | Is the Action Programme on track to meet the Remedial Action List completion date? | Yes    |
| <b>Comment</b>  |  |        |
| <p>The audit found that the contractor is progressing works and the project is on track for completion and commissioning in quarter four of 2019. Irish Water informed the auditors that delays had been encountered with the supply of power from ESB to the upland Coomaglaslaw site where the new drinking water treatment plant is being built and that there was no firm timeframe available for this. Arrangements have been made by Irish Water and its contractors for the use of generators to power the plant as a short-term solution, should connection to power supply not be achieved during Q4. The reliability and security of this as an interim power supply solution was queried by the auditors, with reassurances provided by Irish Water.</p> |  |        |

## Recommendations

|                    |   |                 |            |
|--------------------|---|-----------------|------------|
| <b>Subject</b>     | Mountain Stage Audit Recommendations  | <b>Due Date</b> | 07/11/2019 |
| <b>Action Text</b> | <p><b>Recommendation</b></p> <p>1. Remedial Action List: Irish Water should progress work at the Coomaglaslaw and Droum drinking water treatment sites which are due for completion in Q4_2019. When commissioning and process-proving have been successfully completed, Irish Water should endeavour to promptly capture RAL verification data in accordance with the requirements set out in Section 6 of the EPA Handbook on the implementation of the Drinking Water Regulations and submit this information to the EPA.</p> <p><b>Follow-Up Actions required by Irish Water</b></p> <p>During the audit, Irish Water representatives were advised of the audit findings and that action must be taken as a priority by Irish Water to address the issues raised.</p> <p>This report has been reviewed and approved by Regina Campbell, Drinking Water Team Leader.</p> <p>Irish Water should submit a report to the Agency on or before 07/11/2019 detailing how it has dealt with the issues of concern identified during this audit.</p> <p>The report should include details on the action taken and planned to address the various recommendations, including time frame for commencement and completion of any planned work.</p> <p>The EPA also advises that the findings and recommendations from this audit report should, where relevant, be addressed at all other treatment plants operated and managed by Irish Water.</p> <p>Please quote the Action Reference Number DW2007/539 in any future correspondence in relation to this Report.</p> |                 |            |