



Drinking Water Audit Report

County:	Clare	Date of Audit:	28/10/2015
Plant(s) visited:	Scarriff Water Treatment Plant.	Date of issue of Audit Report:	27/11/2015
		File Reference:	DW2015/194
		Auditors:	Mr Niall Dunne
Audit Criteria:	<ul style="list-style-type: none"> • The <i>European Union (Drinking Water) Regulations 2014 (S.I. 122 of 2014)</i>. • <i>The EPA Handbook on the Implementation of the Regulations for Water Services Authorities for Public Water Supplies (ISBN: 978-1-84095-349-7)</i> • The recommendations specified in the <i>EPA Drinking Water Report</i>. • The recommendations in any previous audit reports. 		

MAIN FINDINGS

- i. According to Clare County Council there is no auto switchover between the duty and standby dosing pumps as a result of ongoing works at the treatment plant. Clare County Council stated that automatic switch over between the duty and standby pumps will be installed as part of these works.

1. INTRODUCTION

Under the *European Union (Drinking Water) Regulations 2014* 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 disinfection system on this supply.

Scarriff supplies approximately 900 consumers. The supply is fed by a three separate boreholes. Treatment consists of chlorination only.

Photographs taken by Niall Dunne during the audit are attached to this report and are referred to in the text where relevant.

The opening meeting commenced at 13:20 at the Scarriff water treatment plant. The scope and purpose of the audit were outlined at the opening meeting. The audit process consisted of interviews with staff, review of records and observations made during an inspection of the treatment plant. The audits observations and recommendations are listed in Section 2 and 4 of this report. The following were in attendance during the audit.

Representing Irish Water: (* indicates that person was also present for the closing meeting)

Deirdre O'Loughlin; Compliance Specialist - Irish Water.

Duane O'Brien; Regional Operations - Irish Water.

Rory O' Dea; Senior E.H.O - HSE.

Anthony Mc Namara; Senior Executive Engineer - Clare County Council (CCC).

Denis Moroney; Caretaker – Clare County Council (CCC).

Representing the Environmental Protection Agency:

Niall Dunne: Inspector – EPA.

2. AUDIT OBSERVATIONS

The audit process is a random sample on a particular day of a facility's operation. Where an observation or recommendation against a particular issue has not been reported, this should not be construed to mean that this issue is fully addressed.

1. Chlorination and Disinfection

- a. Duty standby chlorine dosing pumps and alarms were in place, (see photograph 1).
- b. In a subsequent email dated 01/10/2015, IW confirmed that, at the time of the audit, there was no auto switch between the duty and standby pumps, as a result of ongoing works at the plant and that auto switch over would be installed as part of these works.

3. AUDITORS COMMENTS

Irish Water should ensure that auto switchover between the duty standby chlorine dosing pumps is installed as a priority.

Irish Water must ensure that all chlorine dosing systems under their responsibility are in compliance with *EPA Advice Note No. 3: E.coli in Drinking Water*.

RECOMMENDATIONS

1. Irish Water must ensure that auto switchover is installed between the duty standby dosing pumps.

FOLLOW-UP ACTIONS REQUIRED BY IRISH WATER

During the audit Irish Water representatives were advised of the audit findings and the actions that must be taken as a priority by Irish Water to address the issues raised. This report has been reviewed and approved by Ms Yvonne Doris, Drinking Water Team Leader.

Irish Water should submit a report to the Agency within one month of the date of this audit report detailing how it has dealt with the recommendations above. The report should include details on the action taken and planned to address the various recommendations, including timeframe for commencement and completion of any planned work.

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.

Please quote the File Reference Number DW2015/194 in any future correspondence in relation to this Report.

Report prepared by:

Neil Dine

Date:

27/11/2015

Inspector

Photograph 1: Duty and standby dosing pumps installed at Scarriff water treatment plant. There was no auto switchover due to ongoing works.

