

# Annual Environmental Report

2020



Ringaskiddy Village

D0436-01

## **CONTENTS**

### **1 EXECUTIVE SUMMARY AND INTRODUCTION TO THE 2020 AER**

- 1.1 ANNUAL STATEMENT OF MEASURES
- 1.2 TREATMENT SUMMARY
- 1.3 ELV OVERVIEW
- 1.4 LICENSE SPECIFIC REPORT INCLUDED IN AER

### **2 TREATMENT PLANT PERFORMANCE AND IMPACT SUMMARY**

- 2.1 RINGASKIDDY VILLAGE UNTREATED DISCHARGE - 2020 - UNTREATED DISCHARGE
  - 2.1.1 EFFLUENT MONITORING SUMMARY - RINGASKIDDY VILLAGE UNTREATED DISCHARGE - 2020 -
  - 2.1.2 AMBIENT MONITORING SUMMARY FOR UNTREATED DISCHARGE -

### **3 COMPLAINTS AND INCIDENTS**

- 3.1 COMPLAINTS SUMMARY
- 3.2 REPORTED INCIDENTS SUMMARY
  - 3.2.1 SUMMARY OF INCIDENTS
  - 3.2.2 SUMMARY OF OVERALL INCIDENTS

### **4 INFRASTRUCTURAL ASSESSMENT AND PROGRAMME OF IMPROVEMENTS**

- 4.1 STORM WATER OVERFLOW IDENTIFICATION AND INSPECTION REPORT
  - 4.1.1 SWO IDENTIFICATION AND INSPECTION SUMMARY REPORT
- 4.2 REPORT ON PROGRESS MADE AND PROPOSALS BEING DEVELOPED TO MEET THE IMPROVEMENT PROGRAMME REQUIREMENTS
  - 4.2.1 SPECIFIED IMPROVEMENT PROGRAMME SUMMARY
  - 4.2.2 IMPROVEMENT PROGRAMME SUMMARY
  - 4.2.3 SEWER INTEGRITY RISK ASSESSMENT

### **5 LICENCE SPECIFIC REPORTS**

### **6 CERTIFICATION AND SIGN OFF**

- 6.1 SUMMARY OF AER CONTENTS

### **7 APPENDIX**

# **1 EXECUTIVE SUMMARY AND INTRODUCTION TO THE 2020 AER**

This Annual Environmental Report has been prepared for D0436-01, Ringaskiddy Village, in Cork in accordance with the requirements of the wastewater discharge licence for the agglomeration. Specified reports where relevant are included as an appendix to the AER.

## **1.1 ANNUAL STATEMENT OF MEASURES**

A summary of any improvements undertaken is provided where applicable.

The direct discharge from the Ringaskiddy Village agglomeration was decommissioned in September 2018. Flows from the agglomeration are pumped to the new WWTP at Shanbally.

## **1.2 TREATMENT SUMMARY**

The direct discharge from the Ringaskiddy Village agglomeration was decommissioned in September 2018. Flows from the agglomeration are pumped to the new WWTP at Shanbally.

## **1.3 ELV OVERVIEW**

The overall compliance of the final effluent with the Emission Limit Values (ELVs) is shown below. More detailed information on the below ELV's can be found in Section 2.

| Discharge Point Reference  | Treatment Plant                                | Discharge Type | Compliance Status   | Parameters failing if relevant |
|----------------------------|--|----------------|---|--------------------------------|
| <b>TPEFF0500D0436SW001</b> | Ringaskiddy Village Untreated Discharge - 2020 |                | The direct discharge from the Ringaskiddy Village agglomeration was decommissioned in September 2018. Flows from the agglomeration are pumped to the new WWTP at Shanbally. |                                |

## 1.4 LICENCE SPECIFIC REPORTING INCLUDED IN AER

| Assessment / Report  | Included in AER |
|--|-----------------|
| There are no Licence Specific Reports included in the AER. |                 |

## 2 TREATMENT PLANT PERFORMANCE AND IMPACT SUMMARY

### 2.1.1 EFFLUENT MONITORING SUMMARY -

| Parameter | WWDL ELV (Schedule A) | ELV with Condition 2 Interpretation included Note 1 | Interim % reduction from influent concentration | Number of sample results | Number of exceedances | Number of with Condition 2 Interpretation included | Annual Mean | Overall Compliance (Pass/Fail) |
|-----------|-----------------------|---|---|--------------------------|-----------------------|--|-------------|--------------------------------|
|-----------|-----------------------|---|---|--------------------------|-----------------------|--|-------------|--------------------------------|

The direct discharge from the Ringaskiddy Village agglomeration was decommissioned in September 2018. Flows from the agglomeration are pumped to the new WWTP at Shanbally.

Notes:

1 – This represents the Emission Limit Values after the Interpretation provided for under Condition 2 of the licence is applied

#### Cause of Exceedance(s):

Not applicable

#### Significance of Results:

The WWTP is compliant with the ELV's set in the Wastewater Discharge Licence.

### 2.1.2 AMBIENT MONITORING SUMMARY FOR THE UNTREATED DISCHARGE TPEFF0500D0436SW001

A summary of monitoring from ambient monitoring points associated with the wastewater discharge is provided in the sections below. For discharges to rivers upstream (U/S) and downstream (D/S) location data is provided. For other ambient points in lakes, coastal or transitional waters, monitoring data from the most appropriate monitoring station is selected.

The table below provides details of ambient monitoring locations and details of any designations as sensitive areas.

| Ambient Monitoring Point from WWDL (or as agreed with EPA)  | Irish Grid Reference | River Station Code | Bathing Water | Drinking Water | FWPM | Shellfish | WFD Status |
|---|----------------------|--------------------|---------------|----------------|------|-----------|------------|
| The direct discharge from the Ringaskiddy Village agglomeration was decommissioned in September 2018. Flows from the agglomeration are pumped to the new WWTP at Shanbally. |                      |                    |               |                |      |           |            |

Where the receiving water body is not a river or where the data is not in EDEN – the Ambient data will be appended.

### Significance of Results:

The WWTP discharge was not compliant with the ELV's set in the wastewater discharge licence.

The ambient monitoring results does not meet the required EQS. The EQS relates to the Oxygenation and Nutrient Conditions set out in the Surface Water Regulations 2009.

The discharge from the wastewater treatment plant does not have an observable impact on the water quality.

The discharge from the wastewater treatment plant does not have an observable negative impact on the Water Framework Directive status.

## 3 COMPLAINTS AND INCIDENTS

### 3.1 COMPLAINTS SUMMARY

A summary of complaints of an environmental nature is included below.

| Number of Complaints  | Nature of Complaint | Number Open Complaints | Number Closed Complaints |
|---|---------------------|------------------------|--------------------------|
| <b>There were no relevant environmental complaints in 2020.</b> |                     |                        |                          |

### 3.2 REPORTED INCIDENTS SUMMARY

Environmental incidents that arise in an agglomeration are reported on an on-going basis in accordance with our waste water discharge licences. Where an incident occurs and it is reportable under the licence, it is reported to the Environmental Protection Agency through their Environmental Data Exchange Network, or in some instances by telephone. Some incidents which arise in the agglomeration are recorded by Irish Water but may not be reportable under our licence for example where the incident does not have an impact on environmental performance.

A summary of reported incidents is included below.

#### 3.2.1 SUMMARY OF INCIDENTS

| Incident Type | Cause                                | No. of incident occurrences | Recurring (Y/N) | Closed (Y/N) |
|---------------|--------------------------------------|-----------------------------|-----------------|--------------|
| <b>Other</b>  | Plant or equipment breakdown at WWTP | 1                           | No              | Yes          |

### 3.2.2 SUMMARY OF OVERALL INCIDENTS

| Question   | Answer |
|--|--------|
| Number of Incidents in 2020                                    | 1      |
| Number of Incidents reported to the EPA via EDEN in 2020       | 1      |
| Explanation of any discrepancies between the two numbers above | N/A    |

## 4 INFRASTRUCTURAL ASSESSMENTS AND PROGRAMME OF IMPROVEMENTS

### 4.1 STORM WATER OVERFLOW IDENTIFICATION AND INSPECTION REPORT

A summary of the operation of the storm water overflows and their significance where known is included below:

#### 4.1.1 SWO IDENTIFICATION

| WWDL Name / Code for Storm Water Overflow | Irish Grid Ref. | Included in Schedule A4 of the WWDL | Significance of the overflow(High / Medium / Low) | Assessed against DoEHLG Criteria | No. of times activated in 2020 (No. of events) | Total volume discharged in 2020 (m3) | Monitoring Status |
|---|-----------------|-------------------------------------|---|----------------------------------|--|--------------------------------------|-------------------|
| TBC                                       | 178173, 64677   | No                                  | Medium  | Meeting                          | Unknown  | Unknown                              | Unknown           |

| SWO Summary   |         |
|---|---------|
| How much sewage was discharged via SWOs in the agglomeration in the year (m3)?                        | Unknown |
| Is each SWO identified as not meeting DoEHLG Guidance included in the Programme of Improvements?      |         |
| The SWO Assessment included the requirements of relevant of WWDL schedules?                           | Unknown |
| Have the EPA been advised of any additional SWOs / changes to Schedule C3 and A4 under Condition 1.7? | Unknown |

## 4.2 REPORT ON PROGRESS MADE AND PROPOSALS BEING DEVELOPED TO MEET THE IMPROVEMENT PROGRAMME REQUIREMENTS.

### 4.2.1 SPECIFIED IMPROVEMENT PROGRAMME SUMMARY

A wastewater discharge licence may require a number of reports on specific subject areas to be prepared for the agglomeration in question. These reports are submitted to the EPA as part of the Annual Environmental Report. This section provides list of the various reports required for this agglomeration and a brief summary of their recommendations.

| Specified Improvement Programmes (under Schedule A and C of WWDL) | Description   | Licence Schedule | Licence Completion Date | Date Expired? (N/NAY) | Status of Works | Timeframe for Completing the Work | Comments |
|---|---|------------------|-------------------------|-----------------------|-----------------|-----------------------------------|----------|
| <b>D0436-SIP:02</b>   | SW001 (primary discharge to Cork Harbour) to cease  | A                | 01/01/2015              | Yes                   | Works Completed |                                   |          |
| <b>D0436-SIP:03</b>   | Upgrade collecting system: reduce infiltration, remediate structural damage, separate storm water and install pumping station | C                | 01/01/2015              | Yes                   | Works Completed |                                   |          |
| <b>D0436-SIP:01</b>   | Infrastructural works as necessary to cease discharges  | C                | 01/01/2015              | Yes                   | Works Completed |                                   |          |

A summary of the status of any improvements identified by under Condition 5.2 is included below.

## 4.2.2 IMPROVEMENT PROGRAMME SUMMARY

| Improvement Identifier   | Improvement Description / or any Operational Improvements | Improvement Source | Expected Completion Date | Comments |
|--|---|--------------------|--------------------------|----------|
| <b>There are no Improvements Programme for this Agglomeration.</b> |   |                    |                          |          |

## 4.2.3 SEWER INTEGRITY RISK ASSESSMENT

The utilisation of multiple capital maintenance programmes and the outputs of the workshops with the Local Authority Operations Staff held under the programme can be used to satisfy the requirements of Condition 5 regarding network integrity. Improvement works identified by way of these programmes and workshops will be included in the Improvements Summary Table.

## 5 LICENCE SPECIFIC REPORTS

A wastewater discharge licence may require a number of reports on specific subject areas to be prepared for the agglomeration in question. These reports are submitted to the EPA as part of the Annual Environmental Report. This section provides list of the various reports required for this agglomeration and a brief summary of their recommendations.

### 5.a Licence Specific Reports Summary Table

| Licence Specific Report  | Required by licence | Year included in AER | Included in this AER | Reference to relevant section of AER |
|--|---------------------|----------------------|----------------------|--------------------------------------|
| <b>There is no Licence Specific Report Required in this AER Annual Review.</b> |                     |                      |                      |                                      |

## 6 CERTIFICATION AND SIGN OFF

### 6.1 SUMMARY OF AER CONTENTS

| Parameter  | Answer |
|--|--------|
| Does the AER include an Executive Summary?   | Yes    |
| Does the AER include an assessment of the performance of the Waste Water Works (i.e. have the results of assessments been interpreted against WWDL requirements and or Environmental Quality Standards)? | Yes    |
| Is there a need to advise the EPA for consideration of a Technical Amendment / Review of the licence?  | N/A    |
| List reason e.g. additional SWO identified   | N/A    |
| Is there a need to request/advise the EPA of any modification to the existing WWDL with respect to condition 4 changes to monitoring location, frequency etc   | N/A    |
| List reason e.g. changes to monitoring requirements  | N/A    |
| Have these processes commenced?  | N/A    |
| Are all outstanding reports and assessments from previous AERs included as an appendix to this AER   | No     |

I certify that the information given in this Annual Environmental Report is truthful, accurate and complete:

Signed:    Date: 24/03/2021

This AER has been produced by Irish Water's Environmental Information System (EIMS) and has been electronically signed off in that system for and on behalf of ,

Katherine Walshe

Acting Head of Environmental Regulation.

## **7 APPENDIX**

There are no Appendices included