

# Annual Environmental Report

2022



Cobh

D0054-01

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# 1 EXECUTIVE SUMMARY AND INTRODUCTION TO THE 2022 AER

This Annual Environmental Report has been prepared for D0054-01, Cobh, 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.

Flows from Cobh to Shanbally WWTP is operational since the last week in August 2021

## 1.2 TREATMENT SUMMARY

- Currently there is no treatment provided at Cobh as the flow is directed to Shanbally WWTP - D0057. Please refer to section 4 for details of the Programme of Improvements.

## 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
TPEFF0500D0054SW001	COBH	N/A	N/A	No effluent monitoring was carried out. This agglomeration is connected to Cork Lower Harbour Sewerage scheme

## 1.4 LICENCE SPECIFIC REPORTING

Assessment / Report

**There are no Licence Specific Reports included in this AER.**

## 2 TREATMENT PLANT PERFORMANCE AND IMPACT SUMMARY

### 2.1.1 EFFLUENT MONITORING SUMMARY - TPEFF0500D0054SW007

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 exceedances with Condition 2 Interpretation included	Annual Mean	Overall Compliance (Pass/Fail)
<p><b>There is no Effluent data included in the AER as the effluent is directed to Shanbally D0057.</b></p>								

Notes:

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

2 – For pH the WWDA specifies a range of pH 6 - 9

#### Cause of Exceedance(s):

This agglomeration is connected to the Cork Lower Harbour Sewerage. Flows from the agglomeration are pumped to the new WWTP at Shanbally which is now part of D0057- Ringaskiddy.

#### Significance of Results:

N/A

### 2.1.2 AMBIENT MONITORING SUMMARY FOR THE UNTREATED DISCHARGE TPEFF0500D0054SW001

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 Ecological Status
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**There is no Ambient data included in the AER.**

## 3 COMPLAINTS AND INCIDENTS

### 3.1 COMPLAINTS SUMMARY

A summary of complaints of an environmental nature related to the discharge(s) to water from the WWTP and network is included below.

Number of Complaints	Nature of Complaint	Number Open Complaints	Number Closed Complaints
<b>There were no relevant environmental complaints in 2022.</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 Uisce Éireann 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>Abatement Equipment offline</b>	Network Infrastructure	1	No	Yes
<b>Abatement Equipment offline</b>	Dosing pump failure or maintenance at WWTP	1	No	Yes
<b>Abatement Equipment offline</b>	Plant or equipment breakdown at WWTP	1	No	No

Incident Type	Cause	No. of incident occurrences	Recurring (Y/N)	Closed (Y/N)
Spillage	Broken Sewer Pipe	1	No	Yes
Uncontrolled release	Blocked Sewer	1	No	Yes

### 3.2.2 SUMMARY OF OVERALL INCIDENTS

Question	Answer
Number of Incidents in 2022	5
Number of Incidents reported to the EPA via EDEN in 2022	5
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 (chamber) where applicable	Irish Grid Ref. (outfall)	Included in Schedule of the WWDL	Significance of the overflow(High / Medium / Low)	Assessed against DoEHLG Criteria	No. of times activated in 2022 (No. of events)	Total volume discharged in 2022 (m3)	Monitoring Status
TBC	178402,65649	No	Medium Significance	Meeting Criteria	Unknown	Unknown	Not Monitored

Any TBC SWO(s) were identified as part of the on-going National SWO programme and will be updated in subsequent AER(s) once the information is confirmed.

SWO Summary	
How much sewage was discharged via monitored SWOs in the agglomeration in the year (m3)?	Unknown
Is each SWO identified as not meeting DoEHLG Guidance included in the Programme of Improvements?	N/A
The SWO Assessment included the requirements of relevant of WWDL schedules?	Yes
Have the EPA been advised of any additional SWOs / changes to Schedule C3 and A4 under Condition 1.7?	No

## 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 a 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/NA/Y)	Status of Works	Timeframe for Completing the Work	Comments
<b>D0054-SIP:01</b>	Discharges from SW01 (primary discharge) to cease	A	01/01/2015	Yes	Works Completed		
<b>D0054-SIP:02</b>	Discharges from SW02 to cease	A	01/01/2015	Yes	Works Completed		
<b>D0054-SIP:03</b>	Discharges from SW03 to cease	A	01/01/2015	Yes	Works Completed		
<b>D0054-SIP:04</b>	Discharges from SW04 to cease	A	01/01/2015	Yes	Works Completed		
<b>D0054-SIP:05</b>	Discharges from SW05 to cease	A	01/01/2015	Yes	Works Completed		
<b>D0054-SIP:06</b>	Discharges from SW06 to cease	A	01/01/2015	Yes	Works Completed		

Specified Improvement Programmes (under Schedule A and C of WWDL)	Description	Licence Schedule	Licence Completion Date	Date Expired? (N/NA/Y)	Status of Works	Timeframe for Completing the Work	Comments
<b>D0054-SIP:07</b>	Discharges from SW07 to cease	A	01/01/2015	Yes	Works Completed		
<b>D0054-SIP:08</b>	Discharges from SW08 to cease	A	01/01/2015	Yes	Works Completed		
<b>D0054-SIP:09</b>	Discharges from SW09 to cease	A	01/01/2015	No	Works Completed		
<b>D0054-SIP:10</b>	Discharges from SW10 to cease	A	01/01/2015	Yes	Works Completed		
<b>D0054-SIP:11</b>	Discharges from SW11 to cease	A	01/01/2015	Yes	Works Completed	2021	
<b>D0054-SIP:12</b>	Discharges from SW12 to cease	A	01/01/2015	Yes	Works Completed	2021	
<b>D0054-SIP:13</b>	Discharges from SW13 to cease	A	01/01/2015	Yes	Works Completed	2021	
<b>D0054-SIP:14</b>	Discharges from SW14 to cease	A	01/01/2015	Yes	Works Completed	2021	
<b>D0054-SIP:15</b>	Discharges from SW15 to cease	A	01/01/2015	Yes	Works Completed	2021	
<b>D0054-SIP:16</b>	Discharges from SW16 to cease	A	01/01/2015	Yes	Works Completed	2021	

Specified Improvement Programmes (under Schedule A and C of WWDL)	Description	Licence Schedule	Licence Completion Date	Date Expired? (N/NA/Y)	Status of Works	Timeframe for Completing the Work	Comments
<b>D0054-SIP:17</b>	Infrastructural works to cease discharges	C	01/01/2015	Yes	Works Completed	2021	
<b>D0054-SIP:18</b>	Upgrade collecting system(reduce infiltration, remediate structural damage, separate storm water, install major pumping station and provide marine pipeline crossing)	C	01/01/2015	Yes	Works Completed	2021	

A summary of the status of any other improvements identified by under Condition 5 assessments- is included below.

#### 4.2.2 IMPROVEMENT PROGRAMME SUMMARY

Improvement Identifier	Improvement Description / or any Operational Improvements	Improvement Source	Expected Completion Date	Comments
<b>No additional improvements planned at this time.</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 Tables 4.2.1 and 4.2.2.

## 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 a list of the various reports required for this agglomeration and a brief summary of their recommendations.

Licence Specific Report	Required by licence	Year included in AER	Included in this AER
Priority Substances Assessment	Yes	2015	No

## 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)?	No
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	This agglomeration is connected to the Cork Lower Harbour Sewerage. Flows from the agglomeration are pumped to the new WWTP at Shanbally which is now part of D0057- Ringaskiddy.
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	No
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	N/A

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

Signed:    Date: 19/07/2023

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

Eleanor Roche

Acting Head of Environmental Regulation.

## 7 APPENDIX

There are no Appendices included