

Annual Environmental Report

2020



Bray

D0005-01

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1 EXECUTIVE SUMMARY AND INTRODUCTION TO THE 2020 AER

This agglomeration is served by a wastewater treatment plant at Shanganagh-Bray D0038, in Co. Dublin with a Plant Capacity PE of 186,000. Wastewater is pumped from Bray Pumping Station to Shanganagh WWTP.

Please refer to the AER for D0038.

1.1 ANNUAL STATEMENT OF MEASURES

Please refer to the AER for D0038.

1.2 TREATMENT SUMMARY

Please refer to the AER for D0038.

1.3 ELV OVERVIEW

Please refer to the AER for D0038.

1.4 LICENCE SPECIFIC REPORTING INCLUDED IN AER

Assessment / Report	Included in AER
There are no Licence Specific Reports included in the AER. Please refer to the AER for D0038.	

2 TREATMENT PLANT PERFORMANCE AND IMPACT SUMMARY

This agglomeration is served by a wastewater treatment plant at Shanganagh-Bray D0038, in Co. Dublin with a Plant Capacity PE of 186,000. Wastewater is pumped from Bray Pumping Station to Shanganagh WWTP. **Please refer to the AER for D0038.**

No monitoring is carried out on the discharges from Bray Pumping Station.

2.3.1 AMBIENT MONITORING REPORT SUMMARY – BRAY PUMPING STATION

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	Code	Bathing Water	Drinking Water	FWPM	Shellfish	WFD Status	Does assessment of the ambient monitoring results indicate that the discharge is impacting on water quality?
Within 200m radius of SW1	328217E 220117N	IE EA 100 0000	*Note 1	N	N	N	High	No

*Note 1:

SW001 is a storm water overflow and discharges offshore 1,700 metres from a Bathing Area known as South Promenade, Bray

SW002 is a storm water overflow and discharges offshore approximately 300 metres north of this Bathing Area

2.3.2 AMBIENT MONITORING PARAMETER SUMMARY – BRAY PUMPING STATION

The results of ambient data sets are included in the **Appendix 7.1- Ambient Monitoring Summary**.

Significance of Results:

The discharges from SW001 and SW002 do not have an observable negative impact on the water quality.

The discharges from SW001 and SW002 do 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.

No. of Complaints	Nature of Complaint	Number Open Complaints	Number Closed Complaints
There were no relevant environmental complaints in 2020.			

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)
Uncontrolled release	Broken Sewer Pipe	1	No	Yes
Other	SWO exceptional rainfall and overflow expected	1	Yes	Yes

3.2.2 SUMMARY OF OVERALL INCIDENTS

Question	Answer
Number of Incidents in 2020	2
Number of Incidents reported to the EPA via EDEN in 2020	2
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

Please refer to the AER for D0038.

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/NA/Y)	Status of Works	Timeframe for Completing the Work	Comments
D0005-SIP:01	Installation of surge tank	C	30/04/2011	Yes	Works Completed		

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
D0005-SIP:02	Installation of transfer pipeline to Shanganagh WWTP	C	29/02/2012	Yes	Works Completed		
D0005-SIP:03	Pumping station upgrade	C	30/04/2011	Yes	Works Completed		
D0005-SIP:04	SW1 to Irish Sea to be discontinued	A	29/02/2012	Yes	Works Completed		
D0005-SIP:05	SW2 to Irish Sea to be discontinued	A	29/02/2012	Yes	Works Completed		
D0005-SIP:06	Upgrading of Storm Water Overflows to comply with the criteria outlined in the DoEHLG "Procedures and Criteria in relation to Storm Water Overflows, 1995"	C	31/12/2020	No	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
Please refer to the AER for D0038.				

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.

Licence Specific Report	Required by licence	Year included in AER	Included in this AER	Reference to relevant section of AER
Please refer to the AER for D0038.				

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?	See D0038
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	See D0038
List reason e.g. changes to monitoring requirements	N/A
Have these processes commenced?	Yes
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:

Date: 22/02/2021

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

Appendix

Appendix 7.1 - Ambient Monitoring Summary

2020 Ambient Monitoring Data

Ambient Monitoring Point from WWDL (or as agreed with EPA)	Irish Grid Reference	EPA Feature Coding Tool code	Receiving Waters Designation (Y/N)				WFD Status
			Bathing Water	Drinking Water	FWPM	Shellfish	
Within 200m radius of SW1	328217E 220117N	IE EA 100 0000	*Note 1	N	N	N	High

*Note 1:

SW001 is a storm water overflow and discharges offshore 1,700m from a Bathing Area known as South Promenade, Bray
SW002 is a storm water overflow and discharges offshore approximately 300m north of this Bathing Area

Ambient monitoring results for the parameters as set out in Schedule B.1

The sampling point is within a 200 m radius of SW1.

Sampling Date	pH	Dissolved Oxygen	BOD	Total Nitrogen (as N)	Dissolved Inorganic Nitrogen (as N)	E.Coli	Intestinal Enterocci
		% Sat	mg/l	mg/l	mg/l	cfu /100ml	cfu /100ml
04/09/2020	7.92	101.3	<2	<0.5	<0.5	0	3