Annual Environmental Report

2024

Shanganagh-Bray

D0038-02

CONTENTS

1 EXECUTIVE SUMMARY AND INTRODUCTION TO THE 2024 AER

This Annual Environmental Report has been prepared for D0038-02, Shanganagh-Bray, in Dublin 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.

There were no capital works, significant changes or operational changes undertaken in 2024.

Refer to Section 4.2 for works on going on the network.

1.2 TREATMENT SUMMARY

The agglomeration is served by a wastewater treatment plant(s)

- Shanganagh WWTP with a Plant Capacity PE of 186000, the treatment type is 2 - Secondary treatment.

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
TPEFF1000D0038SW001	Shanganagh WWTP	Treated	Non-Compliant	Dissolved Inorganic Nitrogen (as N) mg/l

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 SHANGANAGH WWTP - TREATED DISCHARGE

2.1.1 INFLUENT MONITORING SUMMARY - SHANGANAGH WWTP

A summary of influent monitoring for the treatment plant is presented below. This monitoring is primarily undertaken in order to determine the overall efficiency of the plant in removing pollutants from the raw wastewater.

Parameters	Number of Samples	Annual Max	Annual Mean
COD-Cr mg/l	32	735	334
Ammonia-Total (as N) mg/l	33	62	33
Total Phosphorus (as P) mg/l	33	15	6.31
Suspended Solids mg/l	33	524	205
ortho-Phosphate (as P) - unspecified mg/l	33	9.85	4.24
Total Nitrogen mg/l	33	74	44
BOD, 5 days with Inhibition (Carbonaceous) mg/l	30	337	160
pH pH units	33	8.00	7.49
Hydraulic Capacity	N/A	99029	35312

If other inputs in the form of sludge / leachate are added to the WWTP then these are included in Section 2.1.5 if applicable.

Significance of Results:

The annual mean hydraulic loading is less than the peak Treatment Plant Capacity. The annual maximum hydraulic loading is less than the peak Treatment Plant Capacity. Further details on the plant capacity and efficiency can be found under the sectional 'Operational Performance Summary'.

2.1.2 EFFLUENT MONITORING SUMMARY - TPEFF1000D0038SW001

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)
COD-Cr mg/l	125	250	N/A	33	N/A	N/A	43	Pass
Dissolved Inorganic Nitrogen (as N) mg/l	45	54	N/A	33	7	2	33	Fail
Suspended Solids mg/l	35	87.5	N/A	33	N/A	N/A	10	Pass
BOD, 5 days with Inhibition (Carbonaceous) mg/l	25	50	N/A	32	3	N/A	9.47	Pass
pH pH units	6	9	N/A	33	N/A	N/A	7.60	Pass
Ammonia-Total (as N) mg/l	N/A	N/A	N/A	33	N/A	N/A	28	
Fats, Oils and Greases mg/l	N/A	N/A	N/A	2	N/A	N/A	7.07	

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)
Conductivity @20°C µS/cm	N/A	N/A	N/A	33	N/A	N/A	926	
Nitrite (as N) mg/l	N/A	N/A	N/A	33	N/A	N/A	0.389	
Total Nitrogen mg/l	N/A	N/A	N/A	33	N/A	N/A	36	
Nitrate (as N) mg/l	N/A	N/A	N/A	33	N/A	N/A	5.11	
Total Phosphorus (as P) mg/l	N/A	N/A	N/A	33	N/A	N/A	2.13	
Total Oxidised Nitrogen (as N) mg/l	N/A	N/A	N/A	33	N/A	N/A	5.50	

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):

WWTP not designed for N removal.

Significance of Results:

The WWTP is non compliant with the ELV's set in the Wastewater Discharge Licence. The impact on receiving waters is assessed further in Section 2.

2.1.3 AMBIENT MONITORING SUMMARY FOR THE TREATMENT PLANT DISCHARGE TPEFF1000D0038SW001

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
Upstream	327527, 224160	CW34001016DB6017	Yes	No	No	No	High
Downstream	327730, 222408	CW34001016DB6001	Yes	No	No	No	High

The results for ambient results and / or additional monitoring data sets are included in the **Appendix 7.1 - Ambient monitoring summary.**

Significance of Results:

The WWTP discharge was not compliant with the ELV's set in the wastewater discharge licence for the following: Dissolved Inorganic Nitrogen (as N) mg/l.

The coastal/transitional ambient monitoring results 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 coastal/transitional water quality.

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

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

2.1.4 OPERATIONAL PERFORMANCE SUMMARY - SHANGANAGH WWTP

2.1.4.1 Treatment Efficiency Report - Shanganagh WWTP

Treatment efficiency is based on the removal of key pollutants from the influent wastewater by the treatment plant. In essence the calculation is based on the balance of load coming into the plant versus the load leaving the plant. The efficiency is presented as a percentage removal rate.

A summary presentation of the efficiency of the treatment process including information for all the parameters specified in the licence is included below:

Parameter	Influent mass loading (kg/year)	Effluent mass emission (kg/year)	Efficiency (% reduction of influent load)
SS	2541949	136247	95
TP	78158	27677	65
cBOD	1993276	126257	94
COD	4175088	558155	87
TN	539854	465433	14

Note: The above data is based on sample results for the number of dates reported.

2.1.4.2 Treatment Capacity Report Summary - Shanganagh WWTP

Treatment capacity is an assessment of the hydraulic (flow) and organic (the amount of pollutants) load a treatment plant is designed to treat versus the current loading of that plant.

Shanganagh WWTP	
Peak Hydraulic Capacity (m^3/day) - As Constructed	108000
DWF to the Treatment Plant (m^3/day)	36000
Current Hydraulic Loading - annual max (m^3/day)	99029
Average Hydraulic loading to the Treatment Plant (m^3/day)	35312
Organic Capacity (PE) - As Constructed	186000
Organic Capacity (PE) - Collected Load (peak week)Note1	141063
Organic Capacity (PE) - Remaining	44937
Will the capacity be exceeded in the next three years? (Yes/No)	No

Nominal design capacities can be based on conservative design principles. In some cases assessment of existing plants has shown organic capacities significantly higher than the nominal design capacity. Accordingly plants that appear to be overloaded when comparing a collected peak load with the nominal design capacity can be fully compliant due to the safety factors in the original design.

2.1.5 SLUDGE / OTHER INPUTS - SHANGANAGH WWTP

'Other inputs' to the waste water treatment plant are summarised in table below

Input type	Quantity	Unit	P.E.	% of load to WWTP	Included in Influent Monitoring (Y/N)?	Is there a leachate/sludge acceptance procedure for the WWTP?	Is there a dedicated leachate/sludge acceptance facility for the WWTP? (Y/N)
There is no Sludge and Other Input data for the Treatment Plant 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
2	Sewage	0	2
2	Water Pollution	0	2

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	Recurring (Y/N)	Closed (Y/N)
Other	Shock load to the WWTP	No	Yes
Abatement equipment off-line	Plant or equipment breakdown at WWTP	No	Yes

Incident Type	Cause	Recurring (Y/N)	Closed (Y/N)
Uncontrolled release	SWO exceptional rainfall and overflow expected	No	Yes
Uncontrolled release	SWO exceptional rainfall and overflow expected	No	Yes
Uncontrolled release	SWO exceptional rainfall and overflow expected	Yes	Yes
Uncontrolled release	Plant or equipment breakdown at WWTP	No	No
Uncontrolled release	SWO exceptional rainfall and overflow expected	No	Yes
Uncontrolled release	Blocked Sewer	No	Yes
Abatement equipment off-line	Plant or equipment breakdown at WWTP	No	No
Uncontrolled release	Blocked Sewer	No	Yes
Uncontrolled release	Emergency overflow caused by power failure	No	Yes
Breach of ELV	WWTP not designed for N removal	Yes	No
Abatement equipment off-line	Plant or equipment breakdown at WWTP	No	Yes
Uncontrolled release	SWO exceptional rainfall and overflow expected	No	Yes

3.2.2 SUMMARY OF OVERALL INCIDENTS

Question	Answer
Number of Incidents in 2024	14
Number of Incidents reported to the EPA via EDEN in 2024	14

Question	Answer
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 2024 (No. of events)	Total volume discharged in 2024 (m^3)	Monitoring Status
TBC	322644, 226837	Yes	Low Significance	Meeting Criteria	Unknown	Unknown	Not Monitored
TBC	321686, 225600	Yes	Low Significance	Not Meeting Criteria	Unknown	Unknown	Not Monitored
TBC	321686, 225600	Yes	Low Significance	Meeting Criteria	Unknown	Unknown	Not Monitored
TBC	321686, 225600	Yes	Low Significance	Meeting Criteria	Unknown	Unknown	Monitored
TBC	321686, 225600	Yes	Low Significance	Meeting Criteria	Unknown	Unknown	Not Monitored
TBC	321686, 225600	Yes	Low Significance	Meeting Criteria	Unknown	Unknown	Not Monitored

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 2024 (No. of events)	Total volume discharged in 2024 (m^3)	Monitoring Status
TBC	322071, 225515	Yes	Low Significance	Meeting Criteria	Unknown	Unknown	Monitored
TBC	322399, 225484	Yes	Low Significance	Meeting Criteria	Unknown	Unknown	Monitored
TBC	323354, 225881	Yes	Low Significance	Meeting Criteria	Unknown	Unknown	Not Monitored
TBC	323613, 225495	Yes	Low Significance	Meeting Criteria	Unknown	Unknown	Not Monitored
TBC	325252, 223481	Yes	Low Significance	Meeting Criteria	Unknown	Unknown	Monitored
TBC	325328, 223502	Yes	Low Significance	Meeting Criteria	Unknown	Unknown	Not Monitored
TBC	321590, 225567	Yes	Low Significance	Meeting Criteria	Unknown	Unknown	Not Monitored
TBC	326932, 219128	Yes	Medium Significance	Meeting Criteria	Unknown	Unknown	Not Monitored
TBC	326756, 219125	Yes	Low Significance	Meeting Criteria	Unknown	Unknown	Not Monitored
TBC	327456, 218078	Yes	Low Significance	Meeting Criteria	Unknown	Unknown	Monitored

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 2024 (No. of events)	Total volume discharged in 2024 (m^3)	Monitoring Status
TBC	320524, 227692	Yes	Low Significance	Meeting Criteria	Unknown	Unknown	Not Monitored
TBC	326078, 224651	Yes	Low Significance	Meeting Criteria	Unknown	Unknown	Monitored
TBC	326017, 217656	Yes	High Significance	Meeting Criteria	Unknown	Unknown	Monitored
TBC	326705, 219741	Yes	Low Significance	Meeting Criteria	Unknown	Unknown	Not Monitored
TBC	328220, 220111	Yes	Low Significance	Meeting Criteria	Unknown	Unknown	Monitored
TBC	327040, 219331	Yes	High Significance	Meeting Criteria	Unknown	Unknown	Monitored
TBC	324642, 215084	Yes	Low Significance	Meeting Criteria	Unknown	Unknown	Not Monitored
TBC	324516, 216850	Yes	Low Significance	Meeting Criteria	Unknown	Unknown	Monitored
TBC	327548, 223736	Yes	Low Significance	Meeting Criteria	21	163106	Monitored
TBC	325056, 220697	Yes	Low Significance	Meeting Criteria	Unknown	Unknown	Not Monitored

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 2024 (No. of events)	Total volume discharged in 2024 (m^3)	Monitoring Status
TBC	326734, 219203	Yes	Low Significance	Meeting Criteria	Unknown	Unknown	Monitored

The contents presented in this table include the most up to date information available at the time of writing. 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 wastewater discharge by metered SWOs during the year (m^3)?	163106
Is each SWO identified as not meeting DoEHLG Guidance included in the Programme of Improvements?	Yes
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
D0038-SIP.01	If not in compliance with DoECLG criteria following assessment, upgrade of sewer network to ensure stormwater overflow meets DoECLG criteria: TPEFF3900D0038SW014	C	31/12/2025	No	Completed		
D0038-SIP.02	If not in compliance with DoECLG criteria following assessment, upgrade of sewer network to ensure stormwater overflow meets DoECLG criteria: TPEFF3900D0038SW015	C	31/12/2025	No	Not Started		
D0038-SIP.03	If not in compliance with DoECLG criteria following assessment, upgrade of sewer network to ensure stormwater overflow meets DoECLG criteria: TPEFF3900D0038SW016	C	11/08/2022	Yes	Not Started		

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
D0038-SIP.04	If not in compliance with DoECLG criteria following assessment, upgrade of sewer network to ensure stormwater overflow meets DoECLG criteria: TPEFF3900D0038SW017	C	11/08/2022	Yes	Not Started		
D0038-SIP.05	If not in compliance with DoECLG criteria following assessment, upgrade of sewer network to ensure stormwater overflow meets DoECLG criteria: TPEFF3900D0038SW022	C	11/08/2022	Yes	At Construction		
D0038-SIP.06	If not in compliance with DoECLG criteria following assessment, upgrade of sewer network to ensure stormwater overflow meets DoECLG criteria: TPEFF3900D0038SW023	C	31/12/2025	No	Not Started		
D0038-SIP.07	If not in compliance with DoECLG criteria following assessment, upgrade of sewer network to ensure stormwater overflow meets DoECLG criteria: TPEFF3900D0038SW024	C	31/12/2025	No	At Construction		
D0038-SIP.08	If not in compliance with DoECLG criteria following assessment, upgrade of sewer network to ensure stormwater overflow meets DoECLG criteria: TPEFF3900D0038SW025	C	11/08/2022	Yes	Not Started		

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
D0038-SIP.09	If not in compliance with DoECLG criteria following assessment, upgrade of sewer network to ensure stormwater overflow meets DoECLG criteria: TPEFF3900D0038SW026	C	11/08/2022	Yes	Completed		
D0038-SIP.10	If not in compliance with DoECLG criteria following assessment, upgrade of sewer network to ensure stormwater overflow meets DoECLG criteria: TPEFF3900D0038SW027	C	11/08/2022	Yes	Completed		
D0038-SIP.11	If not in compliance with DoECLG criteria following assessment, upgrade of sewer network to ensure stormwater overflow meets DoECLG criteria: TPEFF3900D0038SW028	C	11/08/2022	Yes	Not Started		
D0038-SIP.12	Upgrade of sewer network to ensure stormwater overflow meets DoECLG criteria: TPEFF1000D0038SW003	C	31/12/2025	No	Completed		
D0038-SIP.13	Upgrade of sewer network to ensure stormwater overflow meets DoECLG criteria: TPEFF3900D0038SW020	C	31/12/2025	No	At Construction		
D0038-SIP.14	Upgrade of sewer network to ensure stormwater overflow meets DoECLG criteria: TPEFF3900D0038SW021	C	31/12/2025	No	Not Started		

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
No additional improvements planned at this time.				

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	Included in this AER
There is no Licence Specific Report Required in this AER Annual Review.		

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?	No
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	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:

Date: 25/04/2025

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

Head of Environmental Regulation.

7 APPENDIX

Appendix
Appendix 7.1 - Ambient Monitoring Summary

Shanganagh 2024 Ambient Monitoring

Ambient Monitoring Point from WWDL (or as agreed with EPA)	Irish Grid Reference	EPA Feature Coding Tool code	Bathing Water	Drinking Water	FWPM	Shellfish	Current WFD Status
Upstream	327527, 224160	CW34001016DB6017	Yes	No	No	No	High
Downstream	327730, 222408	CW34001016DB6001	Yes	No	No	No	High

Ambient Sampling Results 2024

Sampling Point	Sampled Date	Received Date	Sample Number	Ammonia	B.O.D. Saline	Colour (Visual)	DIN	Dissolved Oxygen	E. coli	Enterococci	Enterococci (Confirmed)	Odour	pH	TON	Total Coliforms
				µg/l as N	mg/l		µg/l	% Sat.	MPN/100ml	CFU/100ml	CFU/100ml		pH	µg/l as N	MPN/100ml
(40630) Receiving Water1 Shanganagh STW, Killiney Bay.	17/01/2024 09:55	17/01/2024	2167651	30	<1	Normal	306	102	<10		2	Normal	7.9	276	<10
(40630) Receiving Water1 Shanganagh STW, Killiney Bay.	14/02/2024 08:24	14/02/2024	2177377	<10	<1	Normal	167	99	20		6	Normal	7.9	167	75
(40630) Receiving Water1 Shanganagh STW, Killiney Bay.	20/03/2024 10:00	20/03/2024	2189193	<10	<1	Normal	166	102	84		18	Normal	8	166	135
(40630) Receiving Water1 Shanganagh STW, Killiney Bay.	17/04/2024 09:45	17/04/2024	2197977	18	<1	Normal	18	101	10		3	Normal	8	<40	52
(40630) Receiving Water1 Shanganagh STW, Killiney Bay.	15/05/2024 08:20	15/05/2024	2207632	24	2	Normal	169	98	<10		4	Normal	8.1	145	75
(40630) Receiving Water1 Shanganagh STW, Killiney Bay.	12/06/2024 07:45	12/06/2024	2217417	39	<1	Normal	39	101	<10	<1		Normal	8.1	<40	<10
(40630) Receiving Water1 Shanganagh STW, Killiney Bay.	17/07/2024 08:15	17/07/2024	2230617	10	<1	Normal	59	100	<10		1	Normal	8	49	63
(40630) Receiving Water1 Shanganagh STW, Killiney Bay.	14/08/2024 07:43	14/08/2024	2240221	<10	<1	Normal	< 50	94	<10	<1		Normal	8	<40	31
(40630) Receiving Water1 Shanganagh STW, Killiney Bay.	18/09/2024 09:05	18/09/2024	2253053	61	<1	Normal	114	94	<10	<1		Normal	8	53	<10
(40630) Receiving Water1 Shanganagh STW, Killiney Bay.	16/10/2024 09:25	16/10/2024	2262484	<10	<1	Normal	< 50	97	<1	<1		Normal	8	<40	<1
(40630) Receiving Water1 Shanganagh STW, Killiney Bay.	13/11/2024 08:45	13/11/2024	2272661		<1	Normal	55	98	20		9	Normal	8		31
(40630) Receiving Water1 Shanganagh STW, Killiney Bay.	11/12/2024 08:22	11/12/2024	2282942		<1	Normal	72	97	20		18	Normal	8		98
(40632) Receiving Water2 Shanganagh STW, Killiney Bay.	17/01/2024 09:45	17/01/2024	2167652	16	<1	Normal	295	103	10		5	Normal	8	279	20
(40632) Receiving Water2 Shanganagh STW, Killiney Bay.	14/02/2024 08:10	14/02/2024	2177378	<10	<1	Normal	178	99	10		5	Normal	8	178	52
(40632) Receiving Water2 Shanganagh STW, Killiney Bay.	20/03/2024 10:30	20/03/2024	2189194	<10	<1	Normal	162	102	10		2	Normal	8	162	20
(40632) Receiving Water2 Shanganagh STW, Killiney Bay.	17/04/2024 10:15	17/04/2024	2197978	16	<1	Normal	16	101	10		7	Normal	8	<40	75
(40632) Receiving Water2 Shanganagh STW, Killiney Bay.	15/05/2024 08:10	15/05/2024	2207633	<10	1	Normal	105	98	<10		1	Normal	8.1	105	41
(40632) Receiving Water2 Shanganagh STW, Killiney Bay.	12/06/2024 07:30	12/06/2024	2217418	32	<1	Normal	73	102	<10	<1		Normal	8.1	41	<10
(40632) Receiving Water2 Shanganagh STW, Killiney Bay.	17/07/2024 08:05	17/07/2024	2230618	143	<1	Normal	210	97	<10	<1		Normal	8.1	67	<10
(40632) Receiving Water2 Shanganagh STW, Killiney Bay.	14/08/2024 07:30	14/08/2024	2240222	<10	<1	Normal	< 50	94	<10	<1		Normal	8	<40	10
(40632) Receiving Water2 Shanganagh STW, Killiney Bay.	18/09/2024 08:32	18/09/2024	2253054	52	<1	Normal	110	94	<10	<1		Normal	8	58	20
(40632) Receiving Water2 Shanganagh STW, Killiney Bay.	16/10/2024 09:40	16/10/2024	2262485	12	<1	Normal	72	97	<1	<1		Normal	8	60	<1
(40632) Receiving Water2 Shanganagh STW, Killiney Bay.	13/11/2024 08:30	13/11/2024	2272662		<1	Normal	206	97	<10		18	Normal	8		10
(40632) Receiving Water2 Shanganagh STW, Killiney Bay.	11/12/2024 08:07	11/12/2024	2282943		<1	Normal	77	98	10		24	Normal	8		132

Killiney Beach Bathing Water Monitoring Results 2024:

Date	E-Coli (cfu/100ml)	Intestinal Enterococci (cfu/100ml)	EPA Classification Standard
09/09/2024	<10	<1	Excellent
02/09/2024	<10	<1	Excellent
26/08/2024	<10	4	Excellent
19/08/2024	52	50	Excellent
12/08/2024	<10	3	Excellent
06/08/2024	<10	7	Excellent
30/07/2024	<10	<1	Excellent
22/07/2024	20	4	Excellent
16/07/2024	10	2	Excellent
08/07/2024	<10	4	Excellent
01/07/2024	41	<1	Excellent
24/06/2024	52	<1	Excellent
17/06/2024	<10	<1	Excellent
10/06/2024	<10	<1	Excellent
04/06/2024	<10	<1	Excellent
27/05/2024	10	17	Excellent

Source: Beaches.ie