Annual Environmental Report

2020

Swords

D0024-01

CONTENTS

1 EXECUTIVE SUMMARY AND INTRODUCTION TO THE 2020 AER

This Annual Environmental Report has been prepared for D0024-01, Swords, 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.

An upgrade of the aeration system on the plants two older streams was to commence in 2020. However, this project is still on hold pending the recommissioning of the SBR stream.

1.2 TREATMENT SUMMARY

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

- SWORDS WWTP with a Plant Capacity PE of 90000, the treatment type is 3NP - Tertiary N&P removal
- TOBERBURR WWTP with a Plant Capacity PE of 500, the treatment type is 2 - Secondary treatment

Currently there is a secondary discharge from the Toberburr Activated Sludge Treatment Plant. Toberburr is a Conventional Activated Sludge plant with an aeration tank, settlement tank and a sludge holding tank. It has a design PE of 500. The plant is currently operating effectively.

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
TPEFF0900D0024SW001	SWORDS WWTP	Treated	Complaint	N/A
TPEFF0900D0024SW002	TOBERBURR WWTP	Treated	Compliant	N/A

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 SWORDS WWTP - TREATED DISCHARGE

2.1.1 INFLUENT MONITORING SUMMARY - SWORDS 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
Total Nitrogen mg/l	25	65	50.92
Suspended Solids mg/l	25	705	357.12
COD-Cr mg/l	25	1,233	675.58
Total Phosphorus (as P) mg/l	25	10.4	7.16
BOD, 5 days with Inhibition (Carbonaceous BOD) mg/l	24	561	300.43
Hydraulic Capacity	N/A	39,869	14,148

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 - TPEFF0900D0024SW001

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)
COD-Cr mg/l	125	250	N/A	32	N/A	N/A	30.91	Pass
Suspended Solids mg/l	35	87.5	N/A	32	N/A	N/A	10.04	Pass
Temperature °C	25	N/A	N/A	1	N/A	N/A	12	Pass
BOD, 5 days with Inhibition (Carbonaceous BOD) mg/l	25	50	N/A	31	N/A	N/A	4.44	Pass
Total Nitrogen mg/l	15	18	N/A	32	N/A	N/A	10.92	Pass
pH pH units	6-9	6-9	N/A	32	N/A	N/A	7.86	Pass
Total Phosphorus (as P) mg/l	2	2.4	N/A	32	N/A	N/A	1.02	Pass
Conductivity 20 C µS/cm	N/A	N/A	N/A	32	N/A	N/A	1055.29	
Ammonia-Total (as N) mg/l	N/A	N/A	N/A	32	N/A	N/A	0.56	
ortho-Phosphate (as P) - unspecified mg/l	N/A	N/A	N/A	32	N/A	N/A	0.68	

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)
Total Oxidised Nitrogen (as N) mg/l	N/A	N/A	N/A	32	N/A	N/A	9.25	
Dissolved Inorganic Nitrogen (as N) mg/l	N/A	N/A	N/A	32	N/A	N/A	9.81	
Nitrate (as N) mg/l	N/A	N/A	N/A	32	N/A	N/A	9.11	
Nitrite (as N) mg/l	N/A	N/A	N/A	32	N/A	N/A	0.15	

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.

2.1.3 AMBIENT MONITORING SUMMARY FOR THE TREATMENT PLANT DISCHARGE TPEFF0900D0024SW001

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	Code	Bathing Water	Drinking Water	FWPM	Shellfish	WFD Status
Upstream	318960, 248006	TW09001008BM1008	No	No	No	No	Poor
Downstream (BM140 - Barrack Br)	321268, 246845	TW09001008BM1003	Yes	No	No	No	Poor
Downstream (BM130 - Seatown East)	320527, 247216	TW09001008BM1002	Yes	No	No	No	Poor

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 Swords WWTP discharge was compliant with the ELV's set in the wastewater discharge licence.

The secondary discharge from the Toberburr WWTP was compliant with the ELV's set in the wastewater discharge licence.

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

Based on the 2020 effluent compliance, it is not considered that the Swords WWTP and Toberburr WWTP is having an observable negative impact on the water quality downstream.

The discharges from the wastewater treatment plants do not have an observable negative impact on the Water Framework Directive status.

2.1.4 OPERATIONAL PERFORMANCE SUMMARY - SWORDS WWTP

2.1.4.1 Treatment Efficiency Report - SWORDS 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)
cBOD	1616562	22854	99
COD	3653346	160112	96
SS	1931202	52035	97
TN	263610	55648	79
TP	38697	5272	86

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

2.1.4.2 Treatment Capacity Report Summary - SWORDS 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.

SWORDS WWTP	
Peak Hydraulic Capacity (m^3/day) - As Constructed	60,750
DWF to the Treatment Plant (m^3/day)	20,250
Current Hydraulic Loading - annual max (m^3/day)	39,869
Average Hydraulic loading to the Treatment Plant (m^3/day)	14,148
Organic Capacity (PE) - As Constructed	70,500
Organic Capacity (PE) - Collected Load (peak week)[Note1]	59,109
Organic Capacity (PE) - Remaining	11,391
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 - SWORDS 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.							

2.2 TOBERBURR WWTP - TREATED DISCHARGE

2.2.1 INFLUENT MONITORING SUMMARY - TOBERBURR 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
There is no Influent data for the TOBERBURR WWTP.			

2.2.2 EFFLUENT MONITORING SUMMARY - TPEFF0900D0024SW002

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)
COD-Cr mg/l	125.00	250.00	N/A	7	0	0	41.00	Pass
Suspended Solids mg/l	35.00	87.50	N/A	7	0	0	8.14	Pass
BOD, 5 days with Inhibition (Carbonaceous BOD) mg/l	25.00	50.00	N/A	7	0	0	6.29	Pass
pH pH units	6-9	6-9	N/A	7	0	0	7.61	Pass

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.

2.2.3 AMBIENT MONITORING SUMMARY FOR THE TREATMENT PLANT DISCHARGE TPEFF0900D0024SW002

There is no ambient monitoring data for the Toberburr WWTP.

Based on effluent compliance it is not considered that the Toberburr WWTP is having an observable negative impact on the water quality downstream.

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

2.2.4 OPERATIONAL PERFORMANCE SUMMARY - TOBERBURR WWTP

2.2.4.1 Treatment Efficiency Report - TOBERBURR 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)
There is no Influent data for the TOBERBURR WWTP and therefore the % efficiency of the treatment process cannot be calculated.			

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

2.2.4.2 Treatment Capacity Report Summary - TOBERBURR 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.

TOBERBURR WWTP	
Peak Hydraulic Capacity (m^3/day) - As Constructed	N/A
DWF to the Treatment Plant (m^3/day)	N/A
Current Hydraulic Loading - annual max (m^3/day)	567
Average Hydraulic loading to the Treatment Plant (m^3/day)	37
Organic Capacity (PE) - As Constructed	N/A
Organic Capacity (PE) - Collected Load (peak week)[Note1]	N/A
Organic Capacity (PE) - Remaining	N/A
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.

2.2.5 SLUDGE / OTHER INPUTS - TOBERBURR 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 Toberburr WWTP included in the AER.							

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
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)
Abatement Equipment offline	Plant or equipment breakdown at WWTP	1	No	Yes
Abatement Equipment offline	Plant or equipment breakdown at WWTP	1	No	Yes
Abatement Equipment offline	Other	1	No	Yes

Incident Type	Cause	No. of incident occurrences	Recurring (Y/N)	Closed (Y/N)
Abatement Equipment offline	Plant or equipment breakdown at WWTP	1	No	Yes
Abatement Equipment offline	Plant or equipment breakdown at WWTP	1	No	Yes
Abatement Equipment offline	Plant or equipment breakdown at WWTP	1	No	Yes
Breach of ELV	Plant or equipment breakdown at WWTP	1	No	Yes
Spillage	Broken Sewer Pipe	1	No	Yes
Uncontrolled release	Plant or equipment breakdown at WWTP	1	No	Yes
Uncontrolled release	Plant or equipment breakdown at WWTP	1	No	Yes
Uncontrolled release	Plant or equipment breakdown at WWTP	1	No	Yes
Uncontrolled release	Blocked Sewer	1	No	Yes
Uncontrolled release	EO caused by ragging or blocking	1	No	Yes
Uncontrolled release	Plant or equipment calibration at WWTP	1	No	No

Note: Breach of ELV (INCI019332) does not relate to a compliance sample.

3.2.2 SUMMARY OF OVERALL INCIDENTS

Question	Answer
Number of Incidents in 2019	14
Number of Incidents reported to the EPA via EDEN in 2019	14
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 (m^3)	Monitoring Status
SW001	318083, 246639	Yes	Medium	Meeting	Unknown	Unknown	Not Monitored
SW011	319294, 247773	Yes	High	Meeting	Unknown	Unknown	Not Monitored
SW17	318046, 246421	Yes	Medium	Meeting	Unknown	Unknown	Monitored
SW19	317411, 247127	Yes	Medium	Meeting	Unknown	Unknown	Monitored
SW25	319294, 247772	No	Medium	Not yet Assessed	Unknown	Unknown	Not Monitored
TBC	319292, 247612	No	Medium	Meeting	Unknown	Unknown	Monitored
TBC	318917, 247985	No	Medium	Meeting	Unknown	Unknown	Monitored

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 (m^3)	Monitoring Status
TBC	319297, 245571	No	Medium	Meeting	Unknown	Unknown	Monitored
TBC	320128, 245433	No	Medium	Meeting	Unknown	Unknown	Monitored
TBC	317525, 245599	No	Medium	Not yet Assessed	Unknown	Unknown	Monitored
TBC	319294, 247772	No	Medium	Not yet Assessed	Unknown	Unknown	Unknown
TBC	319294, 247772	No	Medium	Not yet Assessed	Unknown	Unknown	Unknown

SWO Summary	
How much sewage was discharged via SWOs in the agglomeration in the year (m^3)?	Unknown
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 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
D0024-SIP:01	Installation of enhanced nutrient reduction measure(s) at WWTP, as required, to meet the emission limit values	C	31/12/2021	No	Works Completed		
D0024-SIP:02	Replacement of Toberburr WWTP with a pumping station and construction of rising mains and gravity sewers to divert all effluent to Swords WWTP for treatment	C	31/12/2015	Yes	Not Started		This improvement will be revised by Irish Water under Stage 4 DAP.
D0024-SIP:03	SW002 (1) Toberburr Activated Sludge Treatment Plant to be discontinued	A	31/12/2015	Yes	Not Started		This improvement will be revised by Irish Water under Stage 4 DAP.

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
D0024-SIP:04	Upgrade of WWTP to cater for 90,000 p.e., with enhanced nutrient reduction, UV disinfection system, new storm water holding tank and ancillary works	C	31/12/2015	Yes	Works Completed		
D0024-SIP:05	Upgrading of Storm Water Overflows to comply with the criteria outlined in the DoECLG "Procedures and Criteria in relation to Storm Water Overflows" (1995)	C	31/12/2015	Yes	At Planning Stage	31/12/2021	

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
There are no Improvements Programme for this Agglomeration.				

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
Priority Substances Assessment	Yes	2014	No	

5.1 PRIORITY SUBSTANCES ASSESSMENT

The Priority Substances Assessment Report has been included in the AER 2014.

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: 13/03/2021

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

Appendix
Appendix 7.1 - Ambient monitoring summary

Swords Ambient Monitoring Data 2020

Ambient Monitoring Report Summary Table

Ambient Monitoring Point from WWDL (or as agreed with EPA)	Irish Grid Reference	Code	Bathing Water	Drinking Water	FWPM	Shellfish	WFD Status
Upstream	318960, 248006	TW09001008BM1008	No	No	No	No	Poor
Downstream (BM140 - Barrack Br)	321268, 246845	TW09001008BM1003	Yes	No	No	No	Poor
Downstream (BM130 - Seatown East)	320527, 247216	TW09001008BM1002	Yes	No	No	No	Poor

2020 Ambient Monitoring Summary

Monitoring Result Source	Sample Date	Ammonia µg/l as N	B.O.D. mg/l	Chlorophyll a mg/m3	DIN µg/l	Dissolved Oxygen % Sat.	pH pH	Salinity PSU	Temp. °C	TON Nitrogen µ/l as N
BM020	26/05/2020	<10	3	8.7	1988	81	7.8	5	15.5	1988
BM020	07/09/2020	38	<1	1.1	1583	108	8.3	0.3	18.8	1545
BM130	26/05/2020	265	2	2.3	1231	83	7.9	26.6	14.6	966
BM130	07/09/2020	317	3	7.3	1490	95	8.2	17.3	20.4	1173
BM140	26/05/2020	873	>6	2.9	1375	96	8	26.4	14.7	502
BM140	07/09/2020	219	2	7.8	646	97	8.2	24.5	19.8	427

Monitoring Result Source	Sample Date	Pheophytin a mg/m3	Phosphorus (React) µg/l SRP as P	Total Phosphorus µg/l as P
BM020	26/05/2020	5	165	184
BM020	07/09/2020	2.1	116	130
BM130	26/05/2020	1.7	252	249
BM130	07/09/2020	7.5	232	243
BM140	26/05/2020	1.9	163	178
BM140	07/09/2020	3.9	102	130

Donabate, Balcarrick Beach Bathing Waters (EPA Beaches.ie)

Donabate, Balcarrick Beach was classified as achieving Good Water Quality in 2019 based on the assessment of bacteriological results for the period 2016 to 2019. Donabate, Balcarrick Beach had a Sufficient Water Quality rating in 2018 and 2017, and achieved a Good Water Quality rating in 2016. There is no 2020 classification.

The Escherichia coli and Intestinal enterococci results for the 2020 sample period are tabled below.

Date	Escherichia coli	Intestinal enterococci	Sample Quality Status
01/09/2020	63	8	Excellent
25/08/2020	63	25	Excellent
11/08/2020	<10	3	Excellent
27/07/2020	31	22	Excellent
13/07/2020	<10	11	Excellent
29/06/2020	20	149	Good
15/06/2020	20	1	Excellent
02/06/2020	<10	<1	Excellent
25/05/2020	<10	1	Excellent

(Source: Beaches.ie)