Annual Environmental Report

2020

Whitegate Aghada

D0423-01

CONTENTS

1 EXECUTIVE SUMMARY AND INTRODUCTION TO THE 2020 AER

This Annual Environmental Report has been prepared for D0423-01, Whitegate Aghada, 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.

There was no major capital or operational changes undertaken

1.2 TREATMENT SUMMARY

- Currently there is no treatment provided at Whitegate Aghada . Please refer to section 4 for details of the Programme of Improvements.
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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
TPEFF0500D0423SW002	WHITEGATE/AGHADA SEPTIC TANK - 2020	Untreated	Non-Compliant	BOD, 5 days with Inhibition (Carbonaceo mg/l COD-Cr mg/l Suspended Solids mg/l
TPEFF0500D0423SW003	Whitegate Aghada Secondary Discharge #2 - 2020	Untreated	Non-Compliant	BOD, 5 days with Inhibition (Carbonaceo mg/l COD-Cr mg/l Suspended Solids mg/l
TPEFF0500D0423GW004	Whitegate Aghada Secondary Discharge #3 - 2020	Untreated	Non-Compliant	BOD, 5 days with Inhibition (Carbonaceo mg/l COD-Cr mg/l Suspended Solids mg/l
TPEFF0500D0423SW001	Ardnabourkey Estate WWTP - 2020	Untreated	Non-Compliant	Ammonia-Total (as N) mg/l BOD, 5 days with Inhibition (Carbonaceo mg/l Chemical Oxygen Demand mg/l Suspended Solids mg/l

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 – SW002

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	6	6	5	N/A	Fail
Suspended Solids mg/l	35	87.5	N/A	6	6	5	N/A	Fail
BOD, 5 days with Inhibition (Carbonaceo mg/l	25	50	N/A	6	6	6	N/A	Fail
pH pH units	9	9	N/A	6	N/A	N/A	N/A	Pass
Enterococci (Intestinal) no./100mls	N/A	N/A	N/A	6	N/A	N/A	N/A	

E. Coli no./100mls	N/A	N/A	N/A	6	N/A	N/A	N/A	
Faecal coliforms no./100mls	N/A	N/A	N/A	6	N/A	N/A	N/A	

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):

No treatment, direct discharge

Significance of Results:

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

2.1.2 AMBIENT MONITORING SUMMARY FOR THE UNTREATED DISCHARGE TPEFF0500D0423SW002

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
Downstream	186676, 65750	CW05003150LE8010	No	No	No	Yes	Moderate
Downstream	185590, 65910	CW05003150LE8009	No	No	No	Yes	Moderate

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.
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.

2.1.3 EFFLUENT MONITORING SUMMARY – SW003

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	6	6	6	N/A	Fail
Suspended Solids mg/l	35	87.5	N/A	6	6	6	N/A	Fail
BOD, 5 days with Inhibition (Carbonaceo mg/l	25	50	N/A	6	6	6	N/A	Fail
pH pH units	9	9	N/A	6	N/A	N/A	N/A	Pass
Enterococci (Intestinal) no./100mls	N/A	N/A	N/A	6	N/A	N/A	N/A	
E. Coli no./100mls	N/A	N/A	N/A	6	N/A	N/A	N/A	

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)
Faecal coliforms no./100mls	N/A	N/A	N/A	6	N/A	N/A	N/A	

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):

No treatment, direct discharge

Significance of Results:

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

2.1.4 AMBIENT MONITORING SUMMARY FOR THE UNTREATED DISCHARGE TPEFF0500D0423SW003

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
There is no Ambient data included in the AER.							

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.
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.

2.1.5 EFFLUENT MONITORING SUMMARY – GW004

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	6	6	5	N/A	Fail
Suspended Solids mg/l	35	87.5	N/A	6	6	5	N/A	Fail
BOD, 5 days with Inhibition (Carbonaceo mg/l	25	50	N/A	6	6	6	N/A	Fail
pH pH units	9	9	N/A	6	N/A	N/A	N/A	Pass
Faecal coliforms no./100mls	N/A	N/A	N/A	6	N/A	N/A	N/A	
E. Coli no./100mls	N/A	N/A	N/A	6	N/A	N/A	N/A	

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)
Enterococci (Intestinal) no./100mls	N/A	N/A	N/A	6	N/A	N/A	N/A	

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):

ST overloaded

Significance of Results:

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

2.1.6 AMBIENT MONITORING SUMMARY FOR THE UNTREATED DISCHARGE TPEFF0500D0423GW004

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
There is no Ambient data included in the AER.							

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.
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.

2.1.7 EFFLUENT MONITORING SUMMARY – SW001

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)
Chemical Oxygen Demand mg/l	125	250	N/A	6	6	4	N/A	Fail
Suspended Solids mg/l	35	87.5	N/A	6	6	4	N/A	Fail
BOD, 5 days with Inhibition (Carbonaceo mg/l	25	50	N/A	6	6	5	N/A	Fail
Total Oxidised Nitrogen (as N) mg/l	20	24	N/A	6	N/A	N/A	N/A	Pass
pH pH units	9	9	N/A	6	N/A	N/A	N/A	Pass

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)
Ammonia-Total (as N) mg/l	5	6	N/A	6	6	6	N/A	Fail
E. Coli no./100mls	N/A	N/A	N/A	6	N/A	N/A	N/A	
Faecal coliforms no./100mls	N/A	N/A	N/A	6	N/A	N/A	N/A	
Enterococci (Intestinal) no./100mls	N/A	N/A	N/A	6	N/A	N/A	N/A	

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):

Overloading of the ST

Significance of Results:

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

Significance of Results:

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

2.1.8 AMBIENT MONITORING SUMMARY FOR THE UNTREATED DISCHARGE TPEFF0500D0423SW001

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
Upstream	184370, 65199	CW05003150LE8007	No	No	No	Yes	Moderate

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.

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.

3.1 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)
There were no reportable incidents in 2020.				

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
SW002	184036, 63833	Yes	Low	Meeting	Unknown	Unknown	Not Monitored

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?	N/A
The SWO Assessment included the requirements of relevant of WWDL schedules?	N/A
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
D0423-SIP:02	Provision of secondary treatment for the agglomeration	C	31/12/2019	Yes	At Planning Stage	31/12/2024	
D0423-SIP:03	Secondary Discharge Point to be discontinued	C	31/12/2019	Yes	At Planning Stage	31/12/2024	

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.

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
Priority Substances Assessment	Yes	2015	No	
Shellfish Impact Assessment	Yes		No	

5.1 PRIORITY SUBSTANCES ASSESSMENT

The Priority Substances Assessment Report has been included in the AER 2015

5.2 SHELLFISH IMPACT ASSESSMENT

Not required.

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	Yes

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

Signed: Date: 31/03/2021

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

Whitegate Aghada SW001	EQS						95%ile	Mean
	Mean	95%ile	12/02/2020 11:10	10/06/2020 10:50	05/08/2020 09:25	14/10/2020 12:10		
D.O % O_2	80%<95%ile<120%		98.5	102.5	99.8	118.1	115.76	104.725
Temperature C°	≤ 1.5 C° increase		8.4	14.9	17.9	15.3	17.51	14.125
pH	6 < pH < 9		7.9	7.9	8	8.4	8.34	8.05
BOD mg/L	N/A		1.3	2.3	2.8	2	2.725	2.1
Ammonia (N) mg/l	N/A		0.131	0.0175	0.0175	0.0175	0.1140	0.0459
TON (N) mg/l	≤ 0.25 @ 34 PSU		4.81	0.58	0.06	0.44	4.18	1.47
Suspended Solids (mg/l)	N/A		17	20	21	34	32.1	23.0
Faecal Coliforms MPN/100mls	N/A		24196	432	24196	52	24196.0	12219.0
E.Coli MPN/100mls	N/A		9208	609	24196	63	21947.8	8519.0
Intestinal enterococci CFU/100mls	N/A		1607	2282	24196	5	20908.9	7022.5

Ambient Monitoring Point from WWDL (or as agreeded with EPA)	Irish Grid Reference	EPA Feature Coding tool Code	Bathing Water	Drinking Water	FWPM	Shellfish	Current WFD Status
Downstream Monitoring Point	E183989 N63719	CW05003150LE8008	No designated	No	No	2.5km NE of discharge location	Moderate

Significace of Results	
Did the ambient monitoring results meet the EQS Required?	No
Is there an obervable negative impact on water quality?	Observable TBC
List the parameters causing the impact?	TON
A deterioration has been identified, but it is not known if it is caused by the TP	TRUE
Do the discharges from the WWTP have an observable negative impact on the WFD?	n/a (no WWTP)
Any other known impacts	Catchment Pressures

Whitegate Aghada SW002	EQS						95%ile	Mean
	Mean	95%ile	12/02/2020 12:00	10/06/2020 10:55	05/08/2020 09:05	14/10/2020 12:40		
D.O % O_2	80%<95%ile<120%		106.4	119.44	100	108.7	117.829	108.635
Temperature C°	≤ 1.5 C° increase		4.8	16.9	17.1	16.8	17.07	13.9
pH	6 < pH < 9		8.2	8.6	8.1	8.2	8.54	8.275
BOD mg/L	N/A		1.7	4.2	4.8	1.5	4.7	3.1
Ammonia (N) mg/l	N/A		0.0175	0.0175	0.0175	0.0175	0.0175	0.0175
TON (N) mg/l	≤ 0.25 @ 34 PSU		4.68	3.17	0.3	0.43	4.45	2.15
Suspended Solids (mg/l)	N/A		373	12	27	18	321	108
Faecal Coliforms MPN/100mls	N/A		650	583	369	63	640	416
E.Coli MPN/100mls	N/A		521	487	379	20	516	352
Intestinal enterococci CFU/100mls	N/A		153	74	198	10	191	109

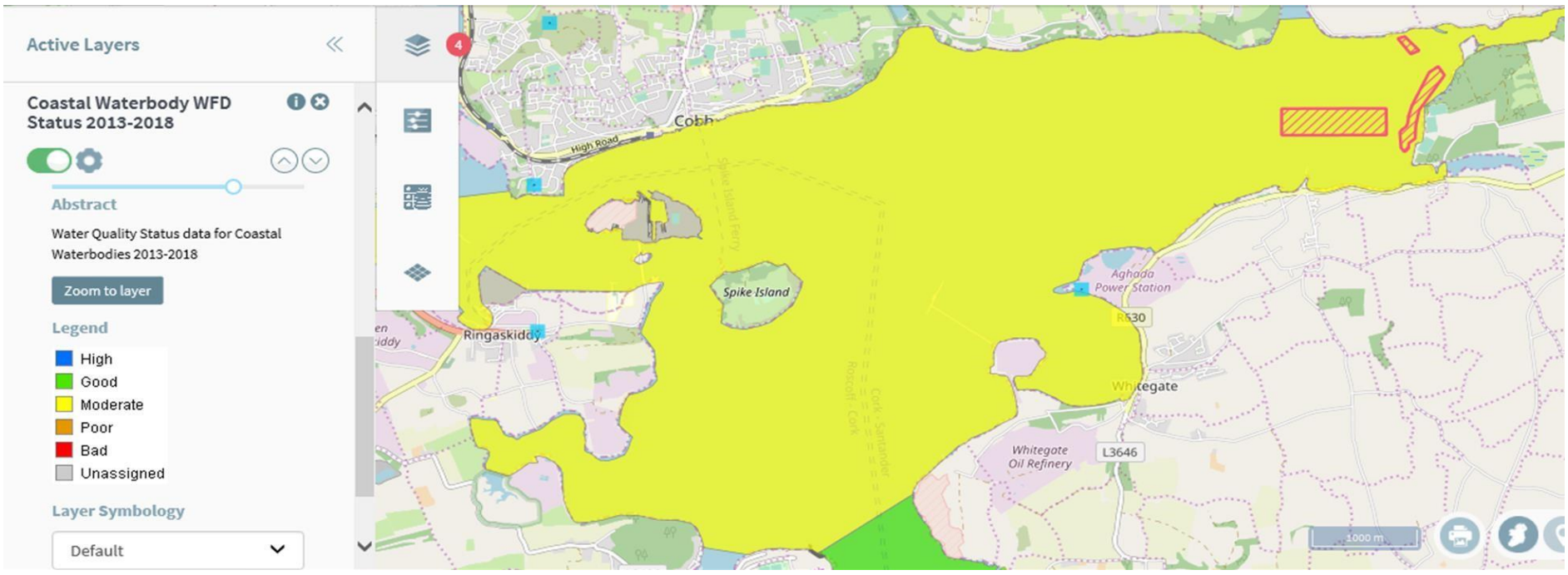
Ambient Monitoring Point from WWDL (or as agreeded with EPA)	Irish Grid Reference	EPA Feature Coding tool Code	Bathing Water	Drinking Water	FWPM	Shellfish	Current WFD Status
Downstream Monitoring Point	E186677 N65751	CW05003150LE8010	No designated	No	No	2.5km NE of discharge location	Moderate

Significace of Results	
Did the ambient monitoring results meet the EQS Required?	No
Is there an obervable negative impact on water quality?	Observable TBC
List the parameters causing the impact?	TON
A deterioration has been identified, but it is not known if it is caused by the TP	TRUE
Do the discharges from the WWTP have an observable negative impact on the WFD?	n/a (no WWTP)
Any other known impacts	Catchment Pressures

Whitegate Aghada SW003	EQS						95%ile	Mean
	Mean	95%ile	12/02/2020 11:30	10/06/2020 11:11	05/08/2020 09:15	14/10/2020 12:25		
D.O % O_2	80%<95%ile<120%		100.5	125.9	100.5	104	122.615	107.725
Temperature C°	≤ 1.5 C° increase		8.1	11.5	16.6	15.6	16.45	12.95
pH	6 < pH < 9		8	8.4	8.1	8.1	8.355	8.15
BOD mg/L	N/A		1.2	2.4	3.5	2.3	3.335	2.35
Ammonia (N) mg/l	N/A		0.0175	0.0175	0.0175	0.045	0.040875	0.024375
TON (N) mg/l	≤ 0.25 @ 34 PSU		0.67	0.04	0.04	2.01	1.809	0.69
Suspended Solids (mg/l)	N/A		39	4	31	74	68.75	37
Faecal Coliforms MPN/100mls	N/A		218	223	1430	359	1269.35	557.5
E.Coli MPN/100mls	N/A		201	52	988	373	895.75	403.5
Intestinal enterococci CFU/100mls	N/A		10	41	5172	20	4402.35	1310.75

Ambient Monitoring Point from WWDL (or as agreeded with EPA)	Irish Grid Reference	EPA Feature Coding tool Code	Bathing Water	Drinking Water	FWPM	Shellfish	Current WFD Status
Downstream Monitoring Point	E185591 N65911	CW05003150LE8009	No designated	No	No	2.5km NE of discharge location	Moderate

Significace of Results	
Did the ambient monitoring results meet the EQS Required?	No
Is there an obervable negative impact on water quality?	Observable TBC
List the parameters causing the impact?	TON and %DO
A deterioration has been identified, but it is not known if it is caused by the TP	TRUE
Do the discharges from the WWTP have an observable negative impact on the WFD?	n/a (no WWTP)
Any other known impacts	Catchment Pressures


Active Layers
Coastal Waterbody WFD Status 2013-2018
Abstract
Water Quality Status data for Coastal Waterbodies 2013-2018
Zoom to layer
Legend
High
Good
Moderate
Poor
Bad
Unassigned
Layer Symbology
Default
Cobh
High Road
Spike Island Ferry
Spike Island
Ringaskiddy
Aghada Power Station
R630
Whitegate
Whitegate Oil Refinery
L3646
Cork Harbour
Roscoff Cork
1000 m