Annual Environmental Report

2023

Ennis North

D0048-01

CONTENTS

1 EXECUTIVE SUMMARY AND INTRODUCTION TO THE 2023 AER

This Annual Environmental Report has been prepared for D0048-01, Ennis North, in Clare 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.

1.2 TREATMENT SUMMARY

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

- Ennis North WWTP with a Plant Capacity PE of 31500, the treatment type is 3P - Tertiary P removal .

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
TPEFF0300D0048SW001	Ennis North WWTP	Treated	Non-Compliant	Ammonia-Total (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 ENNIS NORTH WWTP - TREATED DISCHARGE

2.1.1 INFLUENT MONITORING SUMMARY - ENNIS NORTH 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	12	346	126
pH pH units	12	7.69	7.50
BOD, 5 days with Inhibition (Carbonaceo mg/l	12	115	46
Total Phosphorus (as P) mg/l	12	5.25	1.88
Ammonia-Total (as N) mg/l	12	43	17
Total Nitrogen mg/l	12	34	19
ortho-Phosphate (as P) - unspecified mg/l	12	2.73	1.47
Suspended Solids mg/l	12	180	37
Hydraulic Capacity	N/A	11996	10557

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'. The design of the wastewater treatment plant allows for peak values and therefore the peak loads have not impacted on compliance with Emission Limit Values.

2.1.2 EFFLUENT MONITORING SUMMARY - TPEFF0300D0048SW001

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	12	N/A	N/A	18	Pass
Suspended Solids mg/l	35	87.5	N/A	12	N/A	N/A	5.35	Pass
Temperature °C	25	25	N/A	12	N/A	N/A	5.67	Pass
BOD, 5 days with Inhibition (Carbonaceo mg/l	10	20	N/A	12	N/A	N/A	1.41	Pass
pH pH units	9	9	N/A	12	N/A	N/A	7.54	Pass
Total Phosphorus (as P) mg/l	2	2.4	N/A	12	N/A	N/A	0.493	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 exceedances with Condition 2 Interpretation included	Annual Mean	Overall Compliance (Pass/Fail)
ortho-Phosphate (as P) - unspecified mg/l	1	1.2	N/A	14	N/A	N/A	0.314	Pass
Ammonia-Total (as N) mg/l	1	1.2	N/A	14	2	2	0.570	Fail
Conductivity @25°C µS/cm	N/A	N/A	N/A	12	N/A	N/A	670	
Dissolved Inorganic Nitrogen (as N) mg/l	N/A	N/A	N/A	12	N/A	N/A	8.78	
Total Nitrogen mg/l	N/A	N/A	N/A	12	N/A	N/A	11	

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):

Refer to incidence section of this report

Significance of Results:

The WWTP is not in compliance with the ELV, as set out in the WWDL. The impact on receiving waters is assessed further in section 2.

2.1.3 AMBIENT MONITORING SUMMARY FOR THE TREATMENT PLANT DISCHARGE TPEFF0300D0048SW001

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	133905, 177699	RS27F010680	No	No	No	No	Moderate
Upstream	134524, 177884	RS27F010700	No	No	No	No	Moderate
Downstream	134888, 176818	RS27F010720	No	No	No	No	Moderate

The table below provides a summary of monitoring results for designated ambient monitoring points. The upstream and downstream annual mean values are shown (mg/l), and the difference between both monitoring stations is given as a percentage of the Environmental Quality Standard (EQS) where relevant.

Parameter Name	Upstream Monitoring Point Location	Upstream Monitoring Point Annual Mean	Downstream Monitoring Point Location	Downstream Monitoring Point Annual Mean	EQS	% of EQS
BOD - 5 days (Total) mg/l	RS27F010700	1.57	RS27F010720	1.54	1.50	-2.1
BOD - 5 days (Total) mg/l	RS27F010680	1.89	RS27F010720	1.54	1.50	-23.2
Ammonia-Total (as N) mg/l	RS27F010680	0.117	RS27F010720	0.070	0.065	-72
Ammonia-Total (as N) mg/l	RS27F010700	0.041	RS27F010720	0.070	0.065	44.5

Parameter Name	Upstream Monitoring Point Location	Upstream Monitoring Point Annual Mean	Downstream Monitoring Point Location	Downstream Monitoring Point Annual Mean	EQS	% of EQS
ortho-Phosphate (as P) - unspecified mg/l	RS27F010680	0.037	RS27F010720	0.019	0.035	-51.9
ortho-Phosphate (as P) - unspecified mg/l	RS27F010700	0.015	RS27F010720	0.019	0.035	11.7
Total Nitrogen mg/l	RS27F010680	1.00	RS27F010720	1.17	N/A	
Total Nitrogen mg/l	RS27F010700	1.04	RS27F010720	1.17	N/A	
Strontium - unfiltered µg/l	RS27F010700	78	RS27F010720	N/A	N/A	
Uranium - filtered µg/l	RS27F010700	0.555	RS27F010720	N/A	N/A	
True Colour mg/litre Pt Co	RS27F010700	37	RS27F010720	N/A	N/A	
Total Phosphorus (as P) mg/l	RS27F010680	0.101	RS27F010720	0.103	N/A	
Arsenic - filtered µg/l	RS27F010700	0.707	RS27F010720	N/A	N/A	
Aluminium - filtered µg/l	RS27F010700	21	RS27F010720	N/A	N/A	
Barium - filtered µg/l	RS27F010700	8.66	RS27F010720	N/A	N/A	
Cobalt - unspecified µg/l	RS27F010700	0.707	RS27F010720	N/A	N/A	
Boron - unspecified µg/l	RS27F010700	7.73	RS27F010720	N/A	N/A	
Copper - unspecified µg/l	RS27F010700	2.56	RS27F010720	N/A	N/A	

Parameter Name	Upstream Monitoring Point Location	Upstream Monitoring Point Annual Mean	Downstream Monitoring Point Location	Downstream Monitoring Point Annual Mean	EQS	% of EQS
Dissolved Oxygen mg/l	RS27F010680	9.71	RS27F010720	9.07	N/A	
Manganese - filtered µg/l	RS27F010700	15	RS27F010720	N/A	N/A	
Iron - unspecified µg/l	RS27F010700	169	RS27F010720	N/A	N/A	
Lead - filtered µg/l	RS27F010700	0.151	RS27F010720	N/A	N/A	
Copper - filtered µg/l	RS27F010700	2.60	RS27F010720	N/A	N/A	
Strontium - filtered µg/l	RS27F010700	78	RS27F010720	N/A	N/A	
Calculated Hardness (CaCO3) mg/l	RS27F010700	176	RS27F010720	N/A	N/A	
Selenium - filtered µg/l	RS27F010700	0.707	RS27F010720	N/A	N/A	
Thallium - filtered µg/l	RS27F010700	0.141	RS27F010720	N/A	N/A	
Vanadium - filtered µg/l	RS27F010700	0.707	RS27F010720	N/A	N/A	
Total Oxidised Nitrogen (as N) mg/l	RS27F010700	0.581	RS27F010720	N/A	N/A	
Thallium - unspecified µg/l	RS27F010700	0.141	RS27F010720	N/A	N/A	
Temperature °C	RS27F010680	12	RS27F010720	13	N/A	
Uranium - unfiltered µg/l	RS27F010700	0.557	RS27F010720	N/A	N/A	
Suspended Solids mg/l	RS27F010700	5.11	RS27F010720	N/A	N/A	

Parameter Name	Upstream Monitoring Point Location	Upstream Monitoring Point Annual Mean	Downstream Monitoring Point Location	Downstream Monitoring Point Annual Mean	EQS	% of EQS
Antimony - filtered µg/l	RS27F010700	0.707	RS27F010720	N/A	N/A	
BOD, 5 days with Inhibition (Carbonaceo mg/l	RS27F010700	1.41	RS27F010720	1.41	N/A	
Zinc - filtered µg/l	RS27F010700	4.58	RS27F010720	N/A	N/A	
Antimony - unspecified µg/l	RS27F010700	0.707	RS27F010720	N/A	N/A	
Cobalt - filtered µg/l	RS27F010700	0.707	RS27F010720	N/A	N/A	
BOD, 5 days with Inhibition (Carbonaceo mg/l	RS27F010680	1.41	RS27F010720	1.41	N/A	
Chromium - unspecified µg/l	RS27F010700	0.740	RS27F010720	N/A	N/A	
COD-Cr mg/l	RS27F010680	17	RS27F010720	18	N/A	
Total Phosphorus (as P) mg/l	RS27F010700	0.117	RS27F010720	0.103	N/A	
Magnesium - unspecified mg/l	RS27F010700	4.19	RS27F010720	N/A	N/A	
pH pH units	RS27F010680	7.95	RS27F010720	7.89	N/A	
COD-Cr mg/l	RS27F010700	19	RS27F010720	18	N/A	

Parameter Name	Upstream Monitoring Point Location	Upstream Monitoring Point Annual Mean	Downstream Monitoring Point Location	Downstream Monitoring Point Annual Mean	EQS	% of EQS
Beryllium - unfiltered µg/l	RS27F010700	0.707	RS27F010720	N/A	N/A	
Mercury - unspecified µg/l	RS27F010700	0.014	RS27F010720	N/A	N/A	
Selenium - unspecified µg/l	RS27F010700	0.707	RS27F010720	N/A	N/A	
Nickel - filtered µg/l	RS27F010700	1.00	RS27F010720	N/A	N/A	
pH pH units	RS27F010700	7.87	RS27F010720	7.89	N/A	
Lead - unspecified µg/l	RS27F010700	0.151	RS27F010720	N/A	N/A	
Alkalinity-total (as CaCO3) mg/l	RS27F010700	165	RS27F010720	N/A	N/A	
Cadmium - filtered µg/l	RS27F010700	0.014	RS27F010720	N/A	N/A	
Cadmium - unspecified µg/l	RS27F010700	0.016	RS27F010720	N/A	N/A	
Silica (as SiO2) mg/l	RS27F010700	2.39	RS27F010720	N/A	N/A	
Sodium - filtered mg/l	RS27F010700	11	RS27F010720	N/A	N/A	
Total Hardness (as CaCO3) mg/l	RS27F010700	161	RS27F010720	N/A	N/A	
Temperature °C	RS27F010700	12	RS27F010720	13	N/A	

Parameter Name	Upstream Monitoring Point Location	Upstream Monitoring Point Annual Mean	Downstream Monitoring Point Location	Downstream Monitoring Point Annual Mean	EQS	% of EQS
Vanadium - unspecified µg/l	RS27F010700	0.707	RS27F010720	N/A	N/A	
Arsenic - unspecified µg/l	RS27F010700	0.707	RS27F010720	N/A	N/A	
Aluminium - unspecified µg/l	RS27F010700	35	RS27F010720	N/A	N/A	
Dissolved Oxygen % O2	RS27F010700	88	RS27F010720	86	N/A	
Chromium - filtered µg/l	RS27F010700	0.732	RS27F010720	N/A	N/A	
Barium - unspecified µg/l	RS27F010700	8.96	RS27F010720	N/A	N/A	
Chloride mg/l	RS27F010700	19	RS27F010720	N/A	N/A	
Beryllium - filtered µg/l	RS27F010700	0.707	RS27F010720	N/A	N/A	
Calcium - filtered mg/l	RS27F010700	58	RS27F010720	N/A	N/A	
Boron - filtered µg/l	RS27F010700	8.14	RS27F010720	N/A	N/A	
Dissolved Organic Carbon mg/l	RS27F010700	6.46	RS27F010720	N/A	N/A	
Mercury - filtered µg/l	RS27F010700	0.014	RS27F010720	N/A	N/A	
Calcium - unspecified mg/l	RS27F010700	58	RS27F010720	N/A	N/A	
Magnesium - filtered mg/l	RS27F010700	4.16	RS27F010720	N/A	N/A	

Parameter Name	Upstream Monitoring Point Location	Upstream Monitoring Point Annual Mean	Downstream Monitoring Point Location	Downstream Monitoring Point Annual Mean	EQS	% of EQS
Manganese - unspecified µg/l	RS27F010700	25	RS27F010720	N/A	N/A	
Dissolved Oxygen % Saturation	RS27F010700	89	RS27F010720	N/A	N/A	
Nickel - unspecified µg/l	RS27F010700	1.13	RS27F010720	N/A	N/A	
Potassium - filtered mg/l	RS27F010700	1.73	RS27F010720	N/A	N/A	
Conductivity @25°C µS/cm	RS27F010700	393	RS27F010720	N/A	N/A	
Molybdenum - unspecified µg/l	RS27F010700	0.707	RS27F010720	N/A	N/A	
Sodium - unspecified mg/l	RS27F010700	11	RS27F010720	N/A	N/A	
Zinc - unspecified µg/l	RS27F010700	4.24	RS27F010720	N/A	N/A	
Dissolved Oxygen % O2	RS27F010680	92	RS27F010720	86	N/A	
Molybdenum - filtered µg/l	RS27F010700	0.707	RS27F010720	N/A	N/A	
Dissolved Oxygen mg/l	RS27F010700	9.41	RS27F010720	9.07	N/A	
Potassium - unspecified mg/l	RS27F010700	1.68	RS27F010720	N/A	N/A	
Iron - filtered µg/l	RS27F010700	102	RS27F010720	N/A	N/A	

Significance of Results:

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

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

Based on ambient monitoring results a deterioration in ortho-Phosphate, concentrations downstream of the effluent discharge is noted.

A deterioration in water quality has been identified, however it is not known if it or is not caused by the WWTP.

Other causes of deterioration in water quality in the area are unknown.

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 - ENNIS NORTH WWTP

2.1.4.1 Treatment Efficiency Report - Ennis North 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	173770	18908	89
TP	8804	1742	80
TN	90317	37422	59
COD	592203	65334	89
cBOD	213909	5000	98

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

2.1.4.2 Treatment Capacity Report Summary - Ennis North 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.

Ennis North WWTP	
Peak Hydraulic Capacity (m^3/day) - As Constructed	16272
DWF to the Treatment Plant (m^3/day)	6784
Current Hydraulic Loading - annual max (m^3/day)	11996
Average Hydraulic loading to the Treatment Plant (m^3/day)	10557.1
Organic Capacity (PE) - As Constructed	31500
Organic Capacity (PE) - Collected Load (peak week)[Note1]	24659
Organic Capacity (PE) - Remaining	6841
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 - ENNIS NORTH 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
There were no relevant environmental complaints in 2023.			

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)
Spillage	Network Infrastructure	No	Yes
Uncontrolled release	Broken Sewer Pipe	No	Yes
Breach of ELV	Plant or equipment calibration at WWTP	Yes	Yes

Incident Type	Cause	Recurring (Y/N)	Closed (Y/N)
Abatement Equipment offline	Plant or equipment breakdown at WWTP	No	Yes

3.2.2 SUMMARY OF OVERALL INCIDENTS

Question	Answer
Number of Incidents in 2023	4
Number of Incidents reported to the EPA via EDEN in 2023	4
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 2023 (No. of events)	Total volume discharged in 2023 (m3)	Monitoring Status
TBC	134436,180553	No	Low Significance	Meeting Criteria	Unknown	Unknown	Monitored
SW2	134851,177466	Yes	Low Significance	Not Meeting Criteria	Unknown	741496	Monitored
TBC	134350,177741	No	Low Significance	Meeting Criteria	Unknown	Unknown	Not Monitored
SW3	134354,177744	Yes	Low Significance	Not Meeting Criteria	Unknown	Unknown	Monitored
SW4	134682,177994	Yes	Low Significance	Not Meeting Criteria	Unknown	Unknown	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 wastewater discharge by metered SWOs during the year (m3)?	741,496
Is each SWO identified as not meeting DoEHLG Guidance included in the Programme of Improvements?	No
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?	N/A

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
D0048-SIP:01	Clonroadmore WWTP installation of tertiary treatment system.	C	31/12/2010	Yes	Works Completed		
D0048-SIP:02	Clonroadmore WWTP rehabilitation of the storm/balance tanks	C	31/12/2010	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
D0048-SIP:03	Clonroadmore WWTP upgrade of the inlet works	C	31/12/2010	Yes	Works Completed		
D0048-SIP:04	Clonroadmore WWTP upgrade of the sludge handling facilities	C	31/12/2010	Yes	Works Completed		
D0048-SIP:05	Clonroadmore WWTP upgrade of the treatment capacity of the current aerator and clarifier tanks to cater for the existing and the short term increase in wastewater loading	C	31/12/2010	Yes	Works Completed		
D0048-SIP:06	collection systems: rehabilitation of sewers with high levels of infiltration.	C	31/12/2010	Yes	At Planning Stage	2037	Ennis DAP ongoing
D0048-SIP:07	collection systems: separation of known surface water connections from the main combined sewer where feasible.	C	31/12/2010	Yes	At Planning Stage	2037	Ennis DAP ongoing
D0048-SIP:08	collection systems: upgrade of satellite pump station overflows	C	31/12/2010	Yes	At Planning Stage	2037	Ennis DAP ongoing
D0048-SIP:09	Secondary discharge from SW2 to be upgraded to a SWO, as defined in DoEHLG 'Procedures & criteria in relation to SWOs'	A	01/01/2011	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
D0048-SIP:10	Tulla road and Francis st pump stations: diversion of surface water away from pump stations	C	31/12/2010	Yes	At Planning Stage	2037	Ennis DAP ongoing
D0048-SIP:11	Tulla road and Francis st pump stations: repair of grit traps	C	31/12/2010	Yes	Works Completed		
D0048-SIP:12	Tulla road and Francis st pump stations: replacement of pumps and improving the pump controls	C	31/12/2010	Yes	At Planning Stage	2037	Ennis DAP ongoing
D0048-SIP:13	Tulla road and Francis st pump stations: upgrade of the combined sewer overflow regime at the pump stations	C	31/12/2010	Yes	At Planning Stage	2037	Ennis DAP ongoing

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?	N/A
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	Yes
List reason e.g. changes to monitoring requirements	Ambient Monitoring Location Changes
Have these processes commenced?	No
Are all outstanding reports and assessments from previous AERs included as an appendix to this AER	No

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

Signed: Date: 13/11/2024

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

There are no Appendices included