

Annual Environmental Report

2023



Arklow

D0006-02

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1 EXECUTIVE SUMMARY AND INTRODUCTION TO THE 2023 AER

This Annual Environmental Report has been prepared for D0006-02, Arklow, in Wicklow 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

- Currently there is no treatment provided at Arklow. The upgrade works for a new WWTP are currently on-going with completion date for September 2025.

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
TPEFF3400D0006SW001	Arklow Untreated Discharge	Untreated	N/A	N/A

1.4 LICENCE SPECIFIC REPORTING

Assessment / Report

There are no Licence Specific Reports included in this AER.

2 TREATMENT PLANT PERFORMANCE AND IMPACT SUMMARY

2.1.1 EFFLUENT MONITORING SUMMARY - TPEFF3400D0006SW031

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)
There is no Effluent data included in the AER.								

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):

The agglomeration is not served by a Wastewater Treatment Plant. There is no influent or effluent sampling currently carried out at this agglomeration.

Significance of Results:

There is no influent or effluent sampling currently carried out at this agglomeration.

2.1.2 AMBIENT MONITORING SUMMARY FOR THE UNTREATED DISCHARGE TPEFF3400D0006SW001

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	Station Code	Bathing Water	Drinking Water	FWPM	Shellfish	WFD Ecological Status
Upstream	323265,174434	RS10A031100	No	No	No	No	Moderate
Downstream	325814,172033	CW34001021AV2002	No	No	No	No	High
Downstream	326157, 173890	CW34001020AV1001	No	No	No	No	High
Downstream	326619, 173025	CW34001020AV1006	No	No	No	No	High
Downstream	332554,108441	CW34001020AV1004	No	No	No	No	High
Downstream	327006,166403	CW34001020AV1005	No	No	No	No	High

Significance of Results:

There is no ambient monitoring data available for this AER.

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

3 COMPLAINTS AND INCIDENTS

3.1 COMPLAINTS SUMMARY

A summary of complaints of an environmental nature 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	No. of incident occurrences	Recurring (Y/N)	Closed (Y/N)
There were no reportable incidents in 2023.				

3.2.2 SUMMARY OF OVERALL INCIDENTS

Question	Answer
Number of Incidents in 2023	0
Number of Incidents reported to the EPA via EDEN in 2023	0
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 (m ³)	Monitoring Status
TBC	323077,172214	Yes	Low Significance	Meeting Criteria	Unknown	Unknown	Monitored
SW001	324238,173576	Yes	Low Significance	Not yet Assessed	Unknown	Unknown	Not Monitored
SW002	324244,173566	Yes	Low Significance	Not yet Assessed	Unknown	Unknown	Not Monitored
SW003	324372,173590	Yes	Low Significance	Not yet Assessed	Unknown	Unknown	Not Monitored
SW004	324585,173571	Yes	Low Significance	Not yet Assessed	Unknown	Unknown	Not Monitored
SW005	324619,173542	Yes	Low Significance	Not yet Assessed	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 2023 (No. of events)	Total volume discharged in 2023 (m ³)	Monitoring Status
SW006	324640,173527	Yes	Low Significance	Not yet Assessed	Unknown	Unknown	Not Monitored
SW007	324675,173481	Yes	Low Significance	Not yet Assessed	Unknown	Unknown	Not Monitored
SW008	324680,173490	Yes	Low Significance	Not yet Assessed	Unknown	Unknown	Not Monitored
SW009	324681,173478	Yes	Low Significance	Not yet Assessed	Unknown	Unknown	Not Monitored
SW010	324746,173407	Yes	Low Significance	Not yet Assessed	Unknown	Unknown	Not Monitored
SW011	324793,173363	Yes	Low Significance	Not yet Assessed	Unknown	Unknown	Not Monitored
SW012	324805,173355	Yes	Low Significance	Not yet Assessed	Unknown	Unknown	Not Monitored
SW013	324867,173308	Yes	Low Significance	Not yet Assessed	Unknown	Unknown	Not Monitored
SW015	325069,173063	Yes	Low Significance	Not yet Assessed	Unknown	Unknown	Not Monitored
SW016	325105,173038	Yes	Low Significance	Not yet Assessed	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 2023 (No. of events)	Total volume discharged in 2023 (m ³)	Monitoring Status
SW017	325093,173040	Yes	Low Significance	Not yet Assessed	Unknown	Unknown	Not Monitored
SW018	324764,173634	Yes	Low Significance	Not yet Assessed	Unknown	Unknown	Not Monitored
SW019	324809,173555	Yes	Low Significance	Not yet Assessed	Unknown	Unknown	Not Monitored
SW020	325839,173503	Yes	Low Significance	Not yet Assessed	Unknown	Unknown	Not Monitored
SW021	325008,173292	Yes	Low Significance	Not yet Assessed	Unknown	Unknown	Not Monitored
SW022	325080,173219	Yes	Low Significance	Not yet Assessed	Unknown	Unknown	Not Monitored
SW023	325131,173149	Yes	Low Significance	Not yet Assessed	Unknown	Unknown	Not Monitored

SWO Summary	
How much sewage was discharged via monitored 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?	Unknown
The SWO Assessment included the requirements of relevant of WWDL schedules?	Unknown

SWO Summary

Have the EPA been advised of any additional SWOs / changes to Schedule C3 and A4 under Condition 1.7?

Unknown

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
D0006-SIP:01	WWTP & ancillary works to ensure compliance with the ELV as set out in Schedule A	C	31/12/2022	No	Work ongoing on-site	2025	
D0006-SIP:03	Discharges to be discontinued as per schedule C of Licence	C	30/09/2024	No	Work ongoing on-site	2025	
D0006-SIP:02	If not in compliance with DOECLG criteria following assessment, upgrade of sewer network	C	31/12/2025	No	Work ongoing on-site	2025	

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	N/A
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: 04/03/2024

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.