

REFERENCE

2425386

RELEASE DATE

November 2024

SUBJECT

Sewerage arising in Crumlin

REQUEST

1. What are the arrangements, since 2019, for the treatment of sewerage arising in Crumlin? Which WWTW or WWTWs treat this sewage and where are the corresponding outfalls to the environment? Please provide the coordinates of the installations and outfalls.
2. Which of the NI Water sewage management installations (WWTW and CSO) which discharge into the catchment area of Lough Neagh have records at a minimum of weekly frequency of the outflow quantity and of the concentration in that outflow of Total Phosphorus? Please indicate the relevant recording frequency in each case. In cases in which such instrumentation will be in operation in the near future, please indicate the expected date from which such records will be kept.

RESPONSE

1. Since 2019 Wastewater in Crumlin has been pumped to Antrim WwTW for treatment (312521, 387572 Discharge Point Coordinates).
2. Thank you for your recent request to NI Water for:- which of the NI Water sewage management installations (WWTW and CSO) which discharge into the catchment area of Lough Neagh have records at a minimum of weekly frequency of the outflow quantity and of the concentration in that outflow of Total Phosphorus? Please indicate the relevant recording frequency in each case. Also, in cases in which such instrumentation will be in operation in the near future, please indicate the expected date from which such records will be kept.
 1. NI Water Public Private Partnership (PPP) sites
Which of the NI Water sewage management installations (WWTW and CSO) which discharge into the catchment area of Lough Neagh have records at a minimum of weekly frequency of the outflow quantity and of the concentration in that outflow of Total Phosphorus.

Armagh WWTW (via Callan River & Blackwater River) and Ballynacor WWTW (directly to Lough Neagh) fall into the criteria indicated

Please indicate the relevant recording frequency in each case

Armagh WWTW treated effluent flows are recorded every minute.

Treated effluent samples are taken once per week and sampled for a range of parameters including TP in accredited laboratories

Ballynacor WWTW treated effluent flows are recorded every minute. Treated effluent samples are taken once per week and sampled for a range of parameters including TP in accredited laboratories

In cases in which such instrumentation will be in operation in the near future, please indicate the expected date from which such records will be kept.

There are currently no plans to change flow management or sampling instrumentation or frequencies at Armagh or Ballynacor WWTW

<https://www.niwater.com/project-omega/>

2. NI Water sites

| Carid | Site Code | Sample Point Name | Target Freq |
|--------------|------------------|--|--------------------|
| S01422 | S15AO | Antrim Milltown WwTW | 24 |
| S02558 | S25EA | Armagh Drumcarn PPP WwTW COMPLIANCE | 52 |
| S01467 | S15AA | Ballyclare MBR WwTW | 24 |
| S01456 | S13BE | Ballymena WwTW | 24 |
| S02395 | S23BN | Ballynacorr PPP WwTW COMPLIANCE | 52 |
| S02102 | S27AA | Banbridge WwTW | 12 |
| S02828 | S25AB | Coalisland WwTW | 24 |
| S01582 | S13CH | Cookstown WwTW | 24 |

| | | | |
|--------|-------|--------------------|----|
| S02850 | S25AC | Dungannon WwTW | 48 |
| S01621 | S13GK | Magherafelt WwTW | 12 |
| S02174 | S27AN | Tandragee MBR WwTW | 24 |

- **Project Omega presumably upgraded the installations listed in the link which you sent. I interpret the other information to mean that this upgrade and operation does not include monitoring of the types I am concerned with, except perhaps in the case of Armagh WWTW. Is my interpretation correct?**

Armagh WWTW and Ballynacor WWTW Project Omega projects include both the flow and the TP monitoring.

- **Under your point 2 I understand that the NI Water WWTWs shown in the table have monitoring complying with the criteria I gave. Is this correct?**

Of the other Project Omega sites provided, only Richhill discharges into Lough Neagh (via Blackwater River). However, Richhill does not have a TP standard in its Water Order Consent and therefore TP monitoring is neither required or provided, and there are no plans to introduce such monitoring until such times as NIEA consider it needs to be added to the Water Order Consent. The other Project Omega sites do not discharge into Lough Neagh and therefore do not fall into your capture criteria.

- **Please clarify what is meant in the table under the heading Target Freq. For what is this number a (presumably) target frequency and over what period - per month, per year?**

Target frequency is laid out in the Regulations. A Wastewater site is sampled at a frequency dependant on what population it serves (Population Equivalent or PE). Larger works like Belfast or Ballymena are sampled 48 times per year whereas smaller site are sampled less.