Joan Martin

From: Joan Martin
Sent: Monday 11 December 2023 13:17
To: Jim Johnson
Cc: Emma Quinlan; Eoin McAleer
Subject: Collinstown Wastewater treatment plant D0485 Referral Report_F01
Attachments: Collinstown WWTP D0485-01_Referral Report_F01.pdf

Dear Jim,

Please find attached final referral for Collinstown Wastewater treatment plant Referral for your consideration, the summary information is outlined below:

- LAWPRO Region : Midlands and Eastern Region PAA
- PAA : Derravaragh PAA
- Water body name : Yellow (Castlepollard)_010 IE_SH_26Y020060
- Water body code : IE_SH_26Y020060
- Urban wastewater new significant pressure No
- WWTP Significant Pressure : (Initial Characterisation Cycle 2 Yes (Cycle 2) Urban wastewater - Sub category Agglomeration PE 500 to 1,000.
- WWTP Significant Pressure : (Initial Characterisation Cycle 2 Yes (Cycle 3) Urban wastewater - Sub category Agglomeration PE 500 to 1,000.
- Queries were raised in Q3 2021 with Uisce Éireann - no response/ clarification re SW002 (stated that it is monitored but no detail).
- EPA (OEE) confirmed that the trade (process effluent) at Decotek is treated at their wastewater treatment plant onsite and then discharged to the combined sewer (at WW1) which in turn discharges to the Yellow River (at SW001) (no treatment by Collinstown WWTP although both effluents are mixed in sewer before discharge to the river at SW001).
- The 2020 Annual Env Report (AER) which states that sanitary effluent from the facility is treated in Collinstown WWTP.
- It has been referred to Uisce Éireann on the 28/09/2023. There was one comment back "Regarding Collinstown WWTP...the discharge consists of both treated wastewater from the plant and industrial effluent from a licenced facility". I am unable to apportion the loading of the industrial facility due to lack of data.
- Westmeath Co. Co. are taking the upstream operational monitoring point directly downstream of SW002 (but it is complicated by the fact that this discharge also takes in a drain so hard to know when SW002 flows) (the authorisation may need updating).
- The 2023 chemistry trends suggest that some improvements were made at the wastewater treatment plant which are reflected at the WFD Operational monitoring point, Ballyknock Bridge RS26Y020060, suggesting that this agglomeration is the most significant pressure on the WFD monitoring point. The chemistry also suggests that because orthophosphate is not a significant pressure at Ballyknock Bridge RS26Y020060 since 2015, it indicates that the primary discharge SW001/ urban wastewater is significant rather than agriculture, especially if the ferric dosing was introduced around 2015. Total ammonia and BOD levels also remain elevated during the closed season for land spreading of slurries which supports the evidence that agriculture is less significant.

LAWPRO will continue to evaluate the chemistry at the WFD monitoring point in 2024. Please note that this final referral has been sent to Uisce Éireann also and I will update the WFD app accordingly.

Regards,

Joan

Joan Martin

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Local Authority Waters Programme

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