



Headquarters
P.O. Box 3000
Johnstown Castle Estate
County Wexford
Ireland

WASTE WATER DISCHARGE LICENCE
TECHNICAL AMENDMENT A

Licence Register Number:	D0058-01
Licensee:	Irish Water
Agglomeration:	Fermoy Town & Environs

Reasons for the Decision

The purpose of this Technical Amendment is to update the Conditions and Schedules of the licence, as appropriate.

The Environmental Protection Agency (the Agency) is satisfied, on the basis of the information available, that subject to compliance with the conditions of licence Reg. No.D0058-01 granted on the 05/12/2011, as well as any amendments noted herein any discharge from the activity will comply with and not contravene any of the requirements of Regulation 6(3) of the *Waste Water Discharge (Authorisation) Regulations, 2007*, as amended.

A screening for Appropriate Assessment was undertaken to assess, in view of best scientific knowledge and the conservation objectives of the site, if the activity, individually or in combination with other plans or projects is likely to have a significant effect on a European Site(s). In this context, for the reasons set out below, the activity is not directly connected with or necessary to the management of the site as a European Site and it can be excluded on the basis of objective scientific information, that the activity, individually or in combination with other plans or projects, will have a significant effect on a European site, and accordingly the Agency determined that an Appropriate Assessment of the activity is not required, for the following reasons; the proposed amendments will not result in a material change to the nature or volume of the discharge(s) from the agglomeration.

Technical Amendment

In pursuance of the powers conferred on it by Regulation 33(1)(c) of the *Waste Water Discharge (Authorisation) Regulations, 2007*, as amended, the Agency amends Licence Reg. No. D0058-01, granted to Irish Water, Colvill House, 24/26 Talbot Street, Dublin 1, by virtue of Section 17(4) of the Water Services (No. 2) Act 2013.

Henceforth, the licence shall be read in conjunction with the amendments set out below.

This technical amendment is limited to the following Conditions and Schedules of Licence Reg. No. D0058-01.

Amendments

Conditions of Licence

Delete Condition 1.1.2:

This licence shall be technically amended, as and when considered by the Agency, to ensure compliance with such environmental quality standard as may be prescribed for surface water classification of the receiving water body.

Amend Condition 1.3 as follows:

The discharge to waters from the waste water works shall be restricted to those listed and described in Schedule A: Discharges, of this licence and shall be as set out in the licence application or as modified under Condition 1.6 of this licence and subject to the conditions of this licence.

Amend Condition 2.1.1 as follows:

(iv) For Total Phosphorus the annual mean of the samples shall not exceed the emission limit value. No individual result similarly calculated shall exceed the emission limit value by more than 20%.

(v) For parameters other than pH, cBOD, COD and Suspended Solids; eight out of ten consecutive composite results shall not exceed the emission limit value. No individual result similarly calculated shall exceed the emission limit value by more than 20%.

Amend Condition 2.1.2 as follows:

Discrete Sampling

No cBOD or COD grab sample value shall exceed the emission limit value by more than 100% and no Suspended Solids grab sample value shall exceed the emission limit value by more than 150%. For all other parameters, except pH and temperature, no grab sample value shall exceed the emission limit value by more than 20%.

Amend Condition 5.4 as follows:

The licensee shall complete the improvements as set out in *Schedule C: Specified Improvement Programme*, of this licence, by 01/01/2015 in order to ensure compliance with the emission limit values as set out in *Schedule A: Discharges*, of this licence. The licensee shall report on the progress of completing the improvement works annually as part of the AER.

Schedules of the licence

Amend Schedule A.1. Primary Waste Water Discharge as follows:

EDEN Code	Licence Code	Discharge Location		Monitoring Location		Receiving water name	WFD Receiving water
TPEFF0500D0058SW001	SW001	E 182331	N 98819	E 182201	N 98748	River Blackwater	SW 18 2292 6

Parameter	Emission Limit Value ^{Note 1}
Temperature	25°C (max.)
pH	6.0 - 9.0
	mg/l
cBOD	25
COD	125
Suspended Solids	25
Ammonia (as N)	3
Total Phosphorus (as P) ^{Note 1}	2
Orthophosphate (as P)	1.5

Note 1: Emission limit values shall apply from the date of grant of licence.

Amend Schedule A.2. Secondary Waste Water Discharges as follows:

EDEN Code	Licence Code	Discharge Location		Monitoring Location		Receiving water name	WFD Receiving water
TPEFF0500D0058SW004	SW004	E 181232	N 98624	E 180953	N 99263	River Blackwater	SW_18_2292_6

Parameter	Emission Limit Value ^{Note 1}	
	Temperature	25°C (max.)
pH	6.0 - 9.0	
	mg/l	kg/day
cBOD	10	--
Suspended Solids	25	8
Chloride	50,000	16,000
Sulphate (as SO ₄)	3,000	960
Total Phosphorus (as P)	0.5	0.032
Metals (As, Hg, Se, Cr, Cu, Pb, Ni, Ba, B, Zn)	1	--
VOC (toluene, xylene, dichloromethane)	1	--

Note 1: Emission limit values shall apply from the date of grant of licence.

Amend Schedule A.4. Storm Water Overflows as follows:

A.4. Storm Water Overflows ^{Note 1}				
EDEN Code	Licence Code	Discharge Location		Receiving water name
TPEFF0500D0058SW002	SW002	E 182193	N 98780	River Blackwater
TPEFF0500D0058SW003	SW003	E 181462	N 98719	River Blackwater
TPEFF0500D0058SW005	SW005	E 182191	N 98622	River Blackwater
TPEFF0500D0058SW006	SW006	E 181400	N 98557	River Blackwater
TPEFF0500D0058SW007	SW007	E 181217	N 98500	River Blackwater
TPEFF0500D0058SW008	SW008	E 180936	N 98498	River Blackwater

Note 1: This discharge shall comply with the definition of a storm water overflow as set out in the DoECLG guidance document *Procedures and Criteria in relation to Storm Water Overflows*, 1995 and any other guidance as may be specified by the Agency.

Amend Schedule B.1. Monitoring of Primary Waste Water Discharge as follows:

EDEN Code	Licence Code	Discharge Location			Monitoring Location				
TPEFF0500D0058SW001	SW001	E	182331	N	98819	E	182201	N	98748

Parameter	Monitoring Frequency	Analysis Method/Technique
Flow	Continuous ^{Note 1}	On-line flow meter with recorder
pH ^{Note 2}	Monthly	pH electrode/meter and recorder
Conductivity	Monthly ^{Note 2}	Conductivity Meter
Carbonaceous Biochemical Oxygen Demand	Monthly ^{Note 2}	Standard Method
Chemical Oxygen Demand	Monthly ^{Note 2}	Standard Method
Suspended Solids	Monthly ^{Note 2}	Standard Method
Ammonia (as N)	Monthly ^{Note 2}	Standard Method
Total Phosphorus (as P)	Monthly ^{Note 2}	Standard Method
Orthophosphate (as P)	Monthly ^{Note 2}	Standard Method
Priority Substances ^{Note 3}	As required	Standard Method
Visual Inspection	Weekly	Sample and examine for colour, odour, oils, fats and greases

Note 1: Total effluent volume discharged over the 24-hour period in which the composite sample is collected shall be recorded.

Note 2: The licensee shall provide a composite sampler within 3 months of date of grant of this licence. All samples thereafter shall be collected on a 24-hour flow proportional or time based composite sampling basis.

Note 3: The relevant priority substances or pollutants for monitoring shall be identified by the licensee by undertaking a risk based assessment in accordance with 'Guidance on the Screening for Priority Substances for Waste Water Discharge Licences' issued by the Agency. Monitoring for the identified priority substances or pollutants shall be carried out at least annually, unless a case for less frequent monitoring is agreed by the Agency.

Amend Schedule B.2. Monitoring of Secondary Waste Water Discharge as follows:

EDEN Code	Licence Code	Discharge Location		Monitoring Location	
TPEFF0500D0058SW004	SW004	E 181232	N 98624	E 180953	N 99263

Parameter	Monitoring Frequency <small>Note 1</small>	Analysis Method/Technique
pH <small>Note 2</small>	Monthly	pH electrode/meter and recorder
Conductivity	Monthly <small>Note 2</small>	Conductivity Meter
Carbonaceous Biochemical Oxygen Demand	Monthly <small>Note 2</small>	Standard Method
Suspended Solids	Monthly <small>Note 2</small>	Standard Method
Total Phosphorus (as P)	Monthly <small>Note 2</small>	Standard Method
Priority Substances <small>Note 3</small>	As required	Standard Method
Visual Inspection	Monthly	Sample and examine for colour, odour, oils, fats and greases

Note 1: Refer to Condition 4.12 of this licence.

Note 2: The licensee shall provide a composite sampler within 3 months of date of grant of this licence. All samples thereafter shall be collected on a 24-hour flow proportional or time based composite sampling basis.

Note 3: The relevant priority substances or pollutants for monitoring shall be identified by the licensee by undertaking a risk based assessment in accordance with 'Guidance on the Screening for Priority Substances for Waste Water Discharge Licences' issued by the Agency. Monitoring for the identified priority substances or pollutants shall be carried out at least annually, unless a case for less frequent monitoring is agreed by the Agency.

Amend Schedule B.4. Ambient Monitoring, Receiving Water as follows:

Location: Upstream of SW4 ^{Note 1}
 aSW1 Fermoy (u)(181590E 098724N) ^{Note 2}
 aSW1 Fermoy (d)(182525E 099138N) ^{Note 2}

Parameter	Monitoring Frequency ^{Note 3}	Analysis Method/Technique
pH	Ten samples/year	pH electrode/meter
DO	Ten samples/year	DO probe
BOD	Ten samples/year	Standard Method
Temperature	Ten samples/year	Thermometer
Orthophosphate (as P)	Ten samples/year	Standard Method
Ammonia	Ten samples/year	Standard Method
Priority Substances ^{Note 4}	As required	Standard Method
Visual inspection	Weekly	Sample and examine for colour and odour

Note 1: At a location to be agreed by the Agency.

Note 2: Monitoring shall be at these locations, or at other locations agreed by the Agency.

Note 3: Ambient monitoring data is to be submitted to the Agency in accordance with Condition 4.19 of this licence.

Note 4: The relevant priority substances or pollutants for monitoring shall be identified by the licensee by undertaking a risk based assessment in accordance with "Guidance on the Screening for Priority Substances for Waste Water Discharge Licences" issued by the Agency. Monitoring for the identified priority substances or pollutants shall be carried out at least annually, unless a case for less frequent monitoring is agreed by the Agency.

This technical amendment shall be cited as Amendment A to Waste Water Discharge Licence Register No. D0058-01 dated 05/12/2011 and is to be read in conjunction with that licence.

Sealed by the seal of the Agency on this the ____ day of month, 2014

PRESENT when the seal of the Agency was affixed hereto:

 Mary Turner, Authorised Person