DISCLAIMER PAGE

This licence D0050-01 was amended on 2nd December 2021 under Regulation 33 of the European Union (Waste Water Discharge) Regulations 2007 to 2020. The details of **Amendment D** must be read in conjunction with this licence. The amendment document is entitled **"Technical Amendment D"**



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This licence was amended on 22nd May 2012 under Regulation 33 of the Waste Water Discharge (Authorisation) Regulations 2007. The details of Amendment A must be read in conjunction with this licence. The amendment document is entitled "*Technical Amendment A*".

This licence was amended on 25th June 2014 under Regulation 33 of the Waste Water Discharge (Authorisation) Regulations 2007. The details of Amendment B must be read in conjunction with this licence. The amendment document is entitled "*Technical Amendment B*".

This licence was amended on 19th December 2016 under Regulation 33 of the Waste Water Discharge (Authorisation) Regulations 2007, as amended. The details of Amendment C must be read in conjunction with this licence. The amendment document is entitled "Technical Amendment C"



Headquarters
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WASTE WATER DISCHARGE LICENCE

Licence Register Number:	D0050-01
Licensee:	Galway City Council & Galway County Council
Agglomeration:	Galway

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WASTE WATER DISCHARGE (AUTHORISATION) REGULATIONS 2007

WASTE WATER DISCHARGE LICENCE

Decision of Agency, under Regulation 28(1) of the Waste Water Discharge (Authorisation) Regulations 2007.

Reference number: **D0050-01**

The Agency in exercise of the powers conferred on it by the Waste Water Discharge (Authorisation) Regulations 2007, for the reasons hereinafter set out, hereby grants this waste water discharge licence to **Galway City Council, City Hall, College Road, Galway and Galway County Council, Aras an Chontae, Prospect Hill, Galway** in respect of the agglomeration named **Galway,** subject to Conditions, as set out in the schedules attached hereto.

The licence authorises the discharge of waste water from the waste water works which services the agglomeration described below subject to conditions.

A copy of the Decision is attached.

Licensed Discharges, in accordance with the Second Schedule of the Waste Water Discharge (Authorisation) Regulations, 2007

Discharges from agglomerations with a population equivalent of more than 10,000

GIVEN under the Seal of the Agency this 14th day of April 2010.

PRESENT when the seal of the Agency
was affixed hereto:

Laura Burke, Director

INTRODUCTION

This introduction is not part of the licence and does not purport to be a legal interpretation of the licence.

This licence relates to the Galway Agglomeration, which is made up of Galway City and the surrounding Galway County areas of Parkmore, Oranmore and Barna. The current population of Galway City is approximately 72,000. Waste water from Galway City is treated in the existing waste water treatment plant (WWTP) on Mutton Island. This WWTP was designed to treat waste water for a population equivalent (PE) of 91,600 persons. The WWTP is a conventional activated sludge plant and provides full secondary treatment to the Agglomerations waste water. The final effluent meets the requirements of the 2001 Urban Waste Water Treatment Regulations. This licence requires Galway City Council and Galway County Council to carry out works to upgrade the WWTP to increase its treatment capacity to serve a population equivalent of 170,000 persons. This licence is for the authorisation of the discharge of final treated effluent from the upgraded Mutton Island Waste Water Treatment Plant (WWTP) with a treatment capacity of 170,000 PE.

The main discharge point is located 900m south of Mutton Island. There are 6 secondary discharge points in the Agglomeration network. The licence requires appropriate remedial action, within specified timeframes, to be undertaken in order to address each of the secondary discharges within the agglomeration. This remedial action will ensure that appropriate protection is afforded to the receiving water environment.

The licence sets out in detail the conditions under which Galway City Council and Galway County Council will control and manage the waste water discharges from the agglomeration covered by this licence.

The legislation governing this licence relates specifically to, and is restricted to, the regulation and control of waste water discharges from the agglomeration. Therefore any odour or noise issue that may be associated with the waste water works including the treatment plant cannot be addressed by this licence.

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Glossary of Terms

All terms in this licence should be interpreted in accordance with the definitions in the Waste Water Discharge (Authorisation) Regulations, 2007, unless otherwise defined in this section.

AER	Annual Environmental Report.
Agglomeration	An area where the population or economic activities or both are sufficiently concentrated for a waste water works to have been put in place.
Agreement	Agreement in writing.
Annually	At least one measurement in any one year.
Application	The application for this licence.
Attachment	Any reference to Attachments in this licence refers to attachments submitted as part of the licence application.
Biannually	All or part of a period of six consecutive months.
Biennially	Once every two years.
BOD	5 day Biochemical Oxygen Demand (without nitrification suppression).
CBOD	5 day Carbonaceous Biochemical Oxygen Demand (with nitrification suppression).
CEN	Comité Européen De Normalisation – European Committee for Standardisation.
COD	Chemical Oxygen Demand.
Combined approach	In relation to a waste water works, means the control of discharges and emissions to waters whereby the emission limits for the discharge are established on the basis of the stricter of either or both, the limits and controls required under the Urban Waste Water Regulations, and the limits determined under statute or Directive for the purpose of achieving the environmental objectives established for surface waters, groundwater or protected areas for the water body into which the discharge is made.
Daily	During all days when discharges are taking place; with at least one measurement per day.
Day	Any 24-hour period.
Discharge limits	Those limits, specified for a particular parameter in *Schedule A: Discharges* of this licence.
Discharge Point	The point from which a waste water discharge occurs.
DO	Dissolved oxygen.

Documentation	Any report, record, result, data, drawing, proposal, interpretation or other document, in written or electronic form, that is required by this licence.
DoEHLG	Department of the Environment, Heritage and Local Government.
Domestic Waste Water	Waste water from residential settlements and services that originates predominantly from human metabolism and from household activities.
Drawing	Any reference to a drawing or drawing number means a drawing or drawing number contained in the application, unless otherwise specified in this licence.
EMP	Environmental Management Programme.
Environmental damage	As defined in Directive 2004/35/EC.
EPA	Environmental Protection Agency.
Fortnightly	A minimum of 24 times per year, at approximately two week intervals.
GC/MS	Gas chromatography/mass spectroscopy.
ICP	Inductively coupled plasma spectroscopy.
Incident	The following shall constitute an incident for the purposes of this licence: (i) any discharge that does not comply with the requirements of this licence; (ii) any incident with the potential for environmental contamination of surface water or groundwater, or posing an environmental threat to land, or requiring an emergency response by the relevant Water Services Authority.
Industrial waste water	Any waste water that is discharged from premises used for carrying on any trade or industry or other non-domestic use and excludes run-off rain water.
Licensee	Galway City Council, City Hall, College Road, Galway & Galway County Council, Aras an Chontae, Prospect Hill, Galway.
Licensing Regulations	Waste Water Discharge (Authorisation) Regulations 2007 (S.I. No. 684 of 2007).
Local Authority	Galway City Council & Galway County Council.
Maintain	Keep in a fit state, including such regular inspection, servicing, calibration and repair as may be necessary to perform its function.
Monthly	A minimum of 12 times per year, at intervals of approximately one month.

National Environmental Complaints Procedure	As established under the National Environmental Enforcement Network.
Population Equivalent	A measurement of organic biodegradable load and a population equivalent of 1 (1 p.e.) means the organic biodegradable load having a five-day biochemical oxygen demand (BOD_5) of 60g of oxygen per day; the load being calculated on the basis of the maximum average weekly load entering the waste water works during the year, excluding unusual situations such as those due to heavy rain.
Primary Discharge	The discharge with the largest volume being discharged from the waste water works.
Protected Areas	Areas designated as requiring special protection under specific Community legislation for the protection of their surface water and groundwater or for the conservation of habitats and species of European sites directly dependant on water and listed in the register established by the Agency in accordance with Article 8 of the Water Policy Regulations.
PRTR	Pollutant Release and Transfer Register.
Quarterly	All or part of a period of three consecutive months beginning on the first day of January, April, July or October.
Regional Fisheries Board	Western Regional Fisheries Board.
Sample(s)	Unless the context of this licence indicates to the contrary, the term samples shall include measurements taken by electronic instruments.
Secondary Discharge	A potential, occasional or continuous discharge from the waste water works other than a primary discharge or a storm water overflow.
SSRS	Small Stream Risk Score.
Specified discharges	Those discharges listed in *Schedule A: Discharges* of this licence.
Standard method	A National, European or internationally recognised procedure (e.g., I.S. EN, ISO, CEN, BS or equivalent); or an in-house documented procedure based on the above references; a procedure as detailed in the current edition of "Standard Methods for the Examination of Water and Waste water" (prepared and published jointly by A.P.H.A., A.W.W.A. & W.E.F.), American Public Health Association, 1015 Fifteenth Street, N.W., Washington DC 20005, USA; or an alternative method as may be agreed by the Agency.
Storm water overflow	A structure or device on a sewerage system designed and constructed for the purpose of relieving the system of excess flows that arise as a result of rain water or melting snow in the sewered catchment, the excess flow being discharged to receiving waters.

The Agency	Environmental Protection Agency.
Waste Water	Domestic waste water or the mixture of domestic waste water with industrial waste water.
Waste Water Works	Sewers and their accessories (or any part thereof) and all associated structural devices, including waste water treatment plants, which are owned by, vested in, controlled or used by a water services authority for the collection, storage, treatment or discharge of waste water.
Water Services Authority	Galway City Council & Galway County Council.
Weekly	During all weeks when discharges are taking place; with at least one measurement in any one week.
WSIP	Water Services Investment Programme.
WWTP	Waste water treatment plant.

Decision & Reasons for the Decision

The Environmental Protection Agency is satisfied, on the basis of the information available, that subject to compliance with the conditions of this licence, any discharges from the agglomeration served by the waste water works will comply with and will not contravene any of the requirements of Regulation 6 of the Waste Water Discharge (Authorisation) Regulations, 2007.

In reaching this decision the Environmental Protection Agency has had regard to the requirements and objectives of Regulation 6 of the Regulations and has considered the application and supporting documentation received from the applicant, all submissions received from other parties and the report of its inspector.

Part I Schedule of Discharges Licensed

In pursuance of the powers conferred on it by the Waste Water Discharge (Authorisation) Regulations, 2007, the Environmental Protection Agency (the Agency), under Regulation 28(1) of the said Regulations grants this Waste Water Discharge Licence to Galway City Council, City Hall, College Road, Galway and Galway County Council, Aras an Chontae, Prospect Hill, Galway. The licence authorises the discharge of waste water from the waste water works servicing the Galway agglomeration described below, subject to conditions listed in Part II, with the reasons therefor and the associated schedules attached thereto.

Licensed Discharges, in accordance with the Second Schedule of the Waste Water Discharge (Authorisation) Regulations, 2007

Discharges from agglomerations with a population equivalent of more than 10,000

Part II Conditions

Condition 1. Scope

1.1 The lead authority for the purpose of this licence is Galway City Council.

1.2 Statutory Obligations

1.2.1 This licence is for the purposes of Waste Water Discharge licensing under the Waste Water Discharge (Authorisation) Regulations, 2007, only and nothing in this licence shall be construed as negating the licensee's statutory obligations or requirements under any other enactments or regulations.

1.2.2 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.

1.3 The agglomeration is the area outlined in red on Drawing No. 2148-2601 of the application. Any reference in this licence to agglomeration shall mean the area thus outlined in red.

1.4 The primary discharge to waters from the waste water works shall be restricted to that 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.

1.5 The discharge to waters from the waste water works shall be controlled and managed and shall take place as set out in this licence. All programmes required to be carried out under the terms of this licence become part of this licence.

1.6 For the purposes of this licence, the location of the waste water discharge authorised by this licence is as presented on Drawing No. 2148-2602 of the application.

1.7 No alteration to the waste water works or any part thereof that would, or is likely to, result in a material change to or increase in discharges sufficient to represent a risk of causing a breach of emission standards specified in the licence shall be carried out or commenced without prior notice to, and without the agreement of, the Agency.

1.8 Treatment Capacities

1.8.1 The licensee shall, on an annual basis, undertake an assessment of the remaining organic and hydraulic treatment capacities within the waste water works (design capacity of plant, less flow-load calculation for representative period).

1.8.2 The licensee shall maintain such available capacity within the waste water works as is necessary to ensure that there is no environmental risk posed to the receiving water environment as a result of the discharges.

1.8.3 Where the licensee determines, as part of those assessments undertaken in Condition 1.7.1 above, that the remaining treatment capacity will be exceeded within the ensuing three year period, the licensee shall notify the Agency and seek a licence review, as appropriate.

Reason: ***To clarify the scope of this licence.***

Condition 2. Interpretation

2.1 Emission limit values for discharges to waters in this licence shall be interpreted in the following way:

2.1.1 Composite Sampling

(i) No pH value shall deviate from the specified range.

(ii) For cBOD and COD, no more than the relevant number of samples specified in *Schedule B.3: Interpretation of Discharge Monitoring Results* – Column 2 of this licence shall exceed the concentration Emission Limit Value based on the number of samples taken as listed in *Schedule B.3: Interpretation of Discharge Monitoring Results* – Column 1 of this licence. No individual result similarly calculated shall exceed the emission limit value by more than 100%.

(iii) For Suspended Solids, no more than the relevant number of samples specified in *Schedule B.3: Interpretation of Discharge Monitoring Results* – Column 2 of this licence shall exceed the concentration Emission Limit Value based on the number of samples taken as listed in *Schedule B.3: Interpretation of Discharge Monitoring Results* – Column 1 of this licence. No individual result similarly calculated shall exceed the emission limit value by more than 150%.

(iv) For parameters other than pH, flow, cBOD, COD & 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%.

2.1.2 Discrete Sampling

For parameters other than pH and temperature, no grab sample value shall exceed the emission limit value by more than 150%.

Reason: ***To clarify the interpretation of limit values fixed under the licence.***

Condition 3. Discharges

3.1 Where discharges from the waste water works are required to comply with Emission Limit Values by a date specified in *Schedule A: Discharges* of this licence, the Water Services Authority shall, prior to this date, take such measures as are necessary to ensure that environmental pollution is not caused as a result of the discharge.

3.2 No specified discharge from the waste water works shall exceed the emission limit values set out in *Schedule A: Discharges* of this licence, subject to the requirements of Condition 2 above.

3.3 The Water Services Authority shall take such measures as are necessary to ensure that no deterioration in the quality of the receiving waters shall occur as a result of the discharge.

3.4 There shall be no discharge from the discharge points specified in *Schedule A.3: Discharges to be Discontinued* of this licence from the dates specified therein.

3.5 Storm water overflows shall be as specified in *Schedule A.4: Storm Water Overflows* of this licence.

3.6 Emergency overflows shall be as specified in *Schedule A.5: Emergency Overflows* of this licence.

3.7 The licensee shall ensure that all or any of the following:

- Gross solids
- Litter

associated with discharges from the waste water works do not result in an impairment of, or an interference with, amenities or the environment.

Reason: ***To provide for the protection of the receiving environment by way of control and limitation of discharges to Galway bay Control and Monitoring.***

Condition 4. Control and Monitoring

4.1 The licensee shall carry out such sampling, analyses, measurements, examinations, maintenance and calibrations as set out below and in accordance with *Schedule B: Monitoring* of this licence.

4.1.1 Analyses shall be undertaken by competent staff in accordance with documented operating procedures.

4.1.2 Such procedures shall be assessed for their suitability for the test matrix and performance characteristics shall be determined.

4.1.3 Such procedures shall be subject to a programme of Analytical Quality Control verified by a competent third party using control standards with evaluation of test responses.

Where any analysis is sub-contracted it shall be to a competent laboratory.

4.2 The licensee shall ensure that:

(i) Sampling and analysis for all parameters listed in the Schedules to this licence, and

(ii) Any reference measurement methods to calibrate automated measurement system

shall be carried out in accordance with CEN standards. If CEN standards are not available, ISO, national or international standards that will ensure the provision of data of an equivalent scientific quality shall apply.

4.3 The licensee shall install on all emission points such sampling points or equipment, including any data-logging or other electronic communication equipment, as may be required by the Agency. All such equipment shall be consistent with the safe operation of all sampling and monitoring systems.

4.4 All automatic monitors and samplers shall be functioning at all times (except during maintenance and calibration) when the discharges are being made unless alternative sampling or monitoring has been agreed in writing by the Agency for a limited period. In the event of the malfunction of any continuous monitor, the licensee shall contact the Agency as soon as practicable and alternative sampling and monitoring facilities shall be put in place. Agreement for the use of alternative equipment, other than in emergency situations, shall be obtained from the Agency.

4.5 Monitoring and analysis equipment shall be operated and maintained as necessary so that monitoring accurately reflects the discharge (or ambient conditions where that is the monitoring objective).

4.6 In the case of composite sampling of the discharge from the waste water works, a separate composite sample or homogeneous sub-sample (of sufficient volume as advised by the Agency) shall be refrigerated immediately after collection and retained as required for Agency use.

4.7 The licensee shall clearly label and provide safe and permanent access to all on-site sampling and monitoring points and to off-site points as required by the Agency.

4.8 The licensee shall establish and maintain corrective action procedures and shall take corrective action should the specified requirements of this licence not be fulfilled. The responsibility and authority for persons initiating further investigation and corrective action in the event of a reported non-conformity with this licence shall be defined by the licensee.

4.9 The licensee shall establish and maintain a programme for maintenance and operation of all plant and equipment to ensure that no unauthorised waste water discharges take place. This programme shall be based on the instructions issued by the manufacturer/supplier or installer of the equipment. Appropriate record keeping and diagnostic testing shall support this maintenance programme. The licensee shall clearly allocate responsibility for the planning management and execution of all aspects of this programme to appropriate personnel.

4.10 The location, frequency, methods and scope of monitoring, sampling and analyses, as set out in this licence, may be amended with the agreement of the Agency following evaluation of test results.

4.11 Dangerous Substances

4.11.1 A representative sample of effluent from the primary discharge point shall be screened for the presence of organic compounds and metals within twelve months of the date of grant of this licence. The list of parameters for analysis shall include, as a minimum, those organic compounds and metals identified as relevant having regard to the Water Policy Regulations 2003 and amendments (S.I. No. 722 of 2003 and amendments) and any other relevant legislation. Such screening shall be repeated at intervals as requested by the Agency thereafter.

4.11.2 The licensee shall, within 12 months of the date of grant of this licence, investigate the sources of any elevated dangerous substances detected during the screening required by Condition 4.11.1, and take such measures as are necessary to comply with the provisions of Directive 2006/11/EC on pollution caused by certain dangerous substances discharged into the aquatic environment of the Community, the European Communities Environmental Objectives (Surface Waters) Regulations, 2009 (S.I. No. 272 of 2009) and any other relevant legislation, with respect to the discharge of such

substances from the waste water works. A report on the investigation and measures identified, including timeframes for implementation, shall be included in the AER.

4.12 Storm water overflows

4.12.1 The licensee shall, prior to the date for submission of the second AER (required under Condition 6.11), carry out an investigation for the identification and assessment of storm water overflows. A report on the storm water overflows shall be submitted to the Agency as part of the second AER. The assessment shall include a determination of compliance with the criteria for storm water overflows, as set out in the DoEHLG '*Procedures and Criteria in Relation to Storm Water Overflows*', 1995 and any other guidance as may be specified by the Agency.

4.12.2 The licensee shall carry out an assessment of storm water overflows at least once every three years thereafter and report to the Agency on each occasion as part of the AER. The assessment shall include a determination of compliance with the criteria for storm water overflows, as set out in the DoEHLG *'Procedures and Criteria in Relation to Storm Water Overflows'*, 1995 and any other guidance as may be specified by the Agency. The licensee shall maintain a written record of all assessments and remedial measures arising from the assessment.

4.13 The licensee shall, within six months of date of grant of this licence, install on secondary discharge points SD10, SD11 and SD13 such flow detection and recording equipment as is necessary to determine the frequency, duration and extent of discharges of waste water from these locations. The flow measurement equipment shall be operated at the points of discharge for a period to be agreed with the Agency.

4.14 The licensee shall prepare a PRTR report for the primary and secondary discharges. The substances to be included in the PRTR shall be as agreed by the Agency each year by reference to EC Regulation No. 166/2006 concerning the establishment of the European Pollutant and Transfer Register and amending Council Directives 91/689/EEC and 96/61/EC. The PRTR shall be prepared in accordance with any relevant guidelines issued by the Agency and shall be submitted electronically in specified format and as part of the AER.

4.15 The licensee shall, within six months of the date of grant of this licence, develop and establish a Data Management System for collation, archiving, assessing and graphically presenting the monitoring data generated as a result of this licence.

4.16 The licensee shall carry out monthly monitoring of the influent stream to the waste water treatment plant for cBOD, COD, Suspended Solids, Total Nitrogen, Total Phosphorous and Total Ammonia in order to measure the mass loadings and removal efficiencies within the treatment plant.

4.17 The licensee shall collate and submit to the Agency, monitoring data for ambient levels of Total Ammonia (including levels of the ionised and un-ionised fractions of ammonia) and Dissolved Inorganic Nitrogen (DIN) within Inner Galway Bay North and the River Corrib estuary. The licensee shall utilise monitoring data produced by the Agency's water quality monitoring program for Galway Bay. The data should be submitted as part of the Annual Environmental Report.

4.18 Prior to submitting ambient monitoring data, the licensee shall consult with the Agency with regard to the appropriate format for submittal.

Reason: ***To provide for the protection of the environment by way of control and monitoring of discharges.***

Condition 5. Programmes of Improvements

5.1 The licensee shall, as a part of the second AER (required under Condition 6.11), prepare and submit to the Agency a programme of infrastructural improvements to maximise the effectiveness and efficiency of the waste water works in order to:

a) achieve improvements in the quality of all discharges from the works;

b) meet the emission limit values specified in *Schedule A: Discharges*, of this licence;

c) give effect to Regulation 2 of the Waste Water Discharge (Authorisation) Regulations 2007 (S.I. No. 684 of 2007);

d) reduce Total Phosphorus loadings in the discharge to the maximum practicable extent;

e) reduce Total Nitrogen loadings in the discharge to the maximum practicable extent;

5.2 The programme of infrastructural improvements referred to in Condition 5.1 shall include an assessment of:

a) the waste water treatment plant, having regard to the effectiveness of the treatment provided by reference to the following:

(i) the existing level of treatment, capacity of treatment plant and associated equipment;

(ii) the emission limit values specified in *Schedule A: Discharges*, of this licence;

(iii) designations of the receiving water body;

(iv) water quality objective for the receiving water body;

(v) the standards and volumetric limitations applied to any industrial waste water that is licensed to discharge to the waste water works.

b) the integrity of the waste water works having regard to:

(i) capacity of the waste water works;

(ii) leaks from the waste water works;

(iii) misconnections between foul sewers and the surface water drainage network;

(iv) infiltration by surface water;

(v) infiltration by groundwater;

(vi) such other aspects of the works as may be specified by the Agency.

c) all storm water overflows associated with the waste water works to determine the effectiveness of their operation and in particular to identify improvements necessary to comply with the requirements of this licence.

5.3 The programme of infrastructural improvements shall include a plan for implementation for each individual improvement identified. The plan for implementation shall:

a) in the case of the assessment carried out under Conditions 5.2(a) (waste water treatment plant), 5.2(c) (storm water overflows) and 5.2(d) (emergency overflows):

(i) clearly identify and describe the improvement and the timeframe for implementation;
(ii) specify the parametric emission(s) that will be affected by the implementation of the improvement;
(iii) estimate the costs and sources of funding required to implement the improvement including, where appropriate, details of submissions made to the Department of the Environment, Heritage and Local Government and sanctions received;
(iv) identify the anticipated improvements in the quality of the receiving waters as a result of the implementation of the improvement.

b) in the case of the assessment carried out under Condition 5.2(b) (waste water works):

(i) identify, evaluate and describe the infrastructural works necessary to implement those works listed under *Schedule C: Specified Improvement Programme* of this licence;
(ii) clearly identify and describe the improvement and the timeframe for its implementation;
(iii) estimate the costs and sources of funding required to implement the improvement including, where appropriate, details of submissions made to the Department of the Environment, Heritage and Local Government and sanctions received.

5.4 The licensee shall complete the improvements as set out in *Schedule C: Specified Improvement Programme* of this licence by 01/05/2014 in order to ensure compliance with the emission limit values as set out in *Schedule A: Discharges* of this licence.

5.5 The licensee shall put in place a programme of measures for the gathering, recording and retention of information in relation to the infrastructural components of the waste water works. This information shall be in the form of 'As-Constructed' drawings and electronic mapping tools, or in any other format as required by the Agency.

Reason: ***To provide for the improvement of the waste water works on a planned basis having regard to the need for ongoing assessment, recording and reporting of matters affecting the receiving water environment.***

Condition 6. Notifications, Records and Reports

6.1 The licensee, shall notify the Agency by both telephone and facsimile, to the Agency's headquarters in Wexford, or to such other Agency office as may be specified by the Agency, as soon as practicable after the occurrence of any incident (as defined in this licence). The licensee shall include as part of the notification, date and time of the incident, summary details of the occurrence, and where available, the steps taken to minimise any discharges.

6.2 In the case of any incident relating to a discharge to water, the licensee shall notify the Department of Agriculture, Fisheries and Food and the relevant downstream water services authority, as soon as practicable after such an incident.

6.3 In the case of any incident relating to a discharge to a designated shellfish water, the licensee shall notify the Marine Institute (MI), Sea Fisheries Protection Authority (SFPA), Food Safety Authority (FSAI) and an Bord Iascaigh Mhara (BIM) as soon as practicable after such an incident.

6.4 The licensee shall make a record of any incident. This record shall include details of the nature, extent, and impact of, and circumstances giving rise to, the incident. The record shall include all corrective actions taken to manage the incident, to minimise the effect on the environment, and to avoid recurrence. The licensee shall, as soon as practicable following incident notification, submit to the Agency the incident record including clean up and recurrence prevention measures.

6.5 The licensee shall record all complaints of an environmental nature related to the discharge(s) to waters from the waste water works in accordance with the national environmental complaints procedure. Each such record shall give details of the date and time of the complaint, the name of the complainant (if provided), and the nature of the complaint. A record shall also be kept of the response made in the case of each complaint.

6.6 The licensee shall record all sampling, analyses, measurements, examinations, calibrations and maintenance carried out in accordance with the requirements of this licence.

6.7 The licensee shall as a minimum keep the following documents at the headquarters of the licensee or such office as may be agreed by the Agency:

(i) the licence application and all associated documentation;

(ii) the licence(s) relating to the discharge(s) to waters from the waste water works;

(iii) the previous year's AER;

(iv) records of all sampling, analyses, measurements, examinations, calibrations and maintenance carried out in accordance with the requirements of this licence;

(v) relevant correspondence with the Agency;

(vi) up to date drawings/plans showing the location of key process and environmental infrastructure, including monitoring locations and discharge points;

(vii) up to date operational procedures for all monitoring and control equipment necessary to give effect to this licence.

This documentation shall be available to the Agency for inspection at all reasonable times.

6.8 The licensee shall, within six months of date of grant of this licence, ensure that a documented Emergency Response Procedure is in place, which addresses any emergency situation that may originate on-site. This procedure shall include provision for minimising the effects of any emergency on the environment. This procedure shall be reviewed annually and updated as necessary.

6.9 The licensee shall establish and maintain a Public Awareness and Communications Programme to ensure that members of the public can obtain, at all reasonable times, environmental information relating to the discharge.

6.10 Unless otherwise agreed by the Agency, all reports and notifications submitted to the Agency shall:

(i) be sent to Administration, Office of Environmental Enforcement (OEE) at the Agency's Headquarters or to such other Agency office agreed by the Agency;

(ii) comprise one original and two copies unless additional copies are required by Agency;

(iii) be formatted in accordance with any written instruction or guidance issued by the Agency;

(iv) include whatever information may be required by the Agency;

(v) be identified by a unique code, indicate any modification or amendment, and be correctly dated to reflect any such modification or amendment;

(vi) be accompanied by a written interpretation setting out their significance in the case of all monitoring data; and

(vii) be transferred electronically to the Agency's computer system if required by the Agency.

6.11 The licensee shall submit to the Agency, by the 28th February of each year, an AER covering the previous calendar year. This report, which shall be to the satisfaction of the Agency, shall include as a minimum the information specified in *Schedule D: Annual Environmental Report* of this licence and shall be prepared in accordance with any relevant guidelines issued by the Agency.

6.12 All reports shall be certified accurate and representative by the Director of Services or a nominated, suitably qualified and experienced deputy.

6.13 The licensee shall notify the Agency, as soon as is practicable, where a discharge from the waste water works has ceased permanently.

Reason: ***To provide for the collection and reporting of adequate information on the activity.***

Condition 7. Financial Charges and Provisions

7.1 Agency Charges

7.1.1 The licensee shall pay to the Agency an annual contribution of €6,892, or such sum, as the Agency from time to time determines, having regard to variations in the extent of reporting, auditing, inspection, sampling and analysis or other functions carried out by the Agency, towards the cost of monitoring the discharge as the Agency considers necessary for the performance of its functions under the Waste Water Discharge (Authorisation) Regulations 2007. The first payment shall be a pro-rata amount for the period from the date of this licence to the 31st day of December, and shall be paid to the Agency within one month from the date of the licence. In subsequent years the licensee shall pay to the Agency such revised annual contribution as the Agency shall from time to time consider necessary to enable performance by the Agency of its relevant functions under the Waste Water Discharge (Authorisation) Regulations 2007 and all such payments shall be made within one month of the date upon which demanded by the Agency.

7.1.2 In the event that the frequency or extent of monitoring, investigations or other functions carried out by the Agency needs to be increased, the licensee shall contribute such sums as determined by the Agency to defray its costs in regard to items not covered by the said annual contribution.

7.2 Environmental Liabilities

7.2.1 The licensee shall as part of the AER provide an annual statement as to the measures taken or adopted in relation to the prevention of environmental damage, and the financial provisions in place in relation to the underwriting of costs for remedial actions following anticipated events (including closure) or accidents/incidents, as may be associated with discharges or overflows from the waste water works.

7.2.2 The licensee shall arrange for the completion, by an independent and appropriately qualified consultant, of a comprehensive and fully costed Environmental Liabilities Risk Assessment (ELRA) to address the liabilities from present or planned discharges. A report on this assessment shall be submitted to the Agency for agreement as part of the second AER (required under Condition 6.11). The ELRA shall be reviewed as necessary to reflect any significant change to the volume or character of effluent discharged, and in any case every three years following initial agreement (the results of the review shall be notified as part of the AER).

7.2.3 As part of the measures identified in Condition 7.2.1 the licensee shall, to the satisfaction of the Agency, make financial provision to cover any liabilities identified in Condition 7.2.2. The amount of indemnity held shall be reviewed and revised as necessary, but at least triennially. Proof of renewal or revision of such financial indemnity shall be included in the annual 'Statement of Measures' report identified in Condition 7.2.1.

7.2.4 The licensee shall have regard to the Environmental Protection Agency Guidance on Environmental Liability Risk Assessment, Residuals Management Plans and Financial Provision when implementing Conditions 7.2.1, 7.2.2 and 7.2.3 above.

Reason: ***To provide for adequate financing for monitoring and financial provisions for measures to protect the environment.***

SCHEDULE A: Discharges

A.1 Primary Waste Water Discharge

Primary Discharge Point Code: PD01

Name of Receiving Waters: River Corrib Estuary (Galway Bay)

Location: 129619E 222686N

Parameter	**Emission Limit Value** [Note 1]
Temperature	25°C (max.)
pH	**6 - 9**
	mg/l
CBOD	25
COD	125
Suspended Solids	35
Total Ammonia (as N)	25
Total Nitrogen (as N)	35
Total Oxidised Nitrogen (as N)	20

A.2 Secondary Waste Water Discharges

Discharge Point Code: SD10 [Note 1]
SD13 [Note 2]
SD14 [Note 3]
SD15 [Note 3]

Name of Receiving Waters: River Corrib

Location: SD10 (129610E 224923N)
SD13 (130030E 224735N)
SD14 (130207E 224788N)
SD15 (129732E 224802N)

Parameter	**Emission Limit Value**
Temperature	25°C (max.)
pH	6 - 9
	mg/l
cBOD	25
COD	125
Suspended Solids	35

Note 1: Emission limits valid until 1st May 2014.
Note 2: Emission limits valid until 21st December 2015.
Note 3: Emission limits valid until 1st May 2011.

Discharge Point Code: SD11 [Note 1]

Name of Receiving Waters: Covent Canal and River Corrib

Location: 129522E 225174N

Parameter	**Emission Limit Value** [Note 1]
Temperature	25°C (max.)
pH	6 - 9
	mg/l
cBOD	25
COD	125
Suspended Solids	35

Note 1: Emission limits valid until 21st December 2015.

Discharge Point Code: SD12 [Note 1]

Name of Receiving Waters: Gaol Canal

Location: 129572E 225532N

Parameter	**Emission Limit Value** [Note 1]
Temperature	25°C (max.)
pH	6 - 9
	mg/l
cBOD	25
COD	125
Suspended Solids	35

Note 1: Emission limits valid until 1st May 2011.

A.3 Discharges to be discontinued

Discharge Point Code	**Location**	**Name of Receiving Waters**	**Discharge shall cease from**
SD09	Lough Atalia Road	Lough Atalia	1st May 2014
SD11	Nuns Island	Covent Canal and River Corrib	21st December 2015
SD12	Earls Island	Gaol Canal	1st May 2011
SD13	Dock Road	River Corrib	21st December 2015
SD14	Enterprise Park	River Corrib	1st May 2011
SD15	Long Walk	River Corrib	1st May 2011

A.4 Storm Water Overflows

Discharge Point Code [Note 1]	Location	Name of Receiving Waters
SWO01	Kingston Road	Rusheen Bay
SWO02	Grattan Road	Galway Bay
SWO03	Long Walk	River Corrib Estuary
SWO04	Newtownsmith	River Corrib
SWO05	Renmore Park and Dublin Road	Lough Atalia
SWO06	Moneenageisha	Lough Atalia
SWO07	Michael Collins Road	Galway Bay
SD02	Inlet to Wastewater Treatment Plant	Galway Bay
SD03	Gentian Hill Pumping Station	Galway Bay
SD05	Merlin Park Pumping Station	Galway Bay
SD06	Oranmore Pumping Station	Galway Bay
SD07	Terryland Pumping Station	Terryland River
SD08	Claddagh Quay	River Corrib

Note 1: All discharges shall comply with the definition of a storm water overflow as set out in *"Procedures and Criteria in relation to Storm Water Overflows"* by dates specified in *Schedule C.3 Improvement Programme for Storm Water Overflows* of this licence.

A.5 Emergency Overflows

Discharge Point Code	Location	Name of Receiving Waters
SD01	Outlet from Wastewater Treatment Plant	Galway Bay
SD04	Parkavera Pumping Station	Between Convent and Eglington Canals (Galway City Centre)

SCHEDULE B: Monitoring

B.1 Monitoring of Primary Waste Water Discharge

Primary Discharge Point Code: PD01

Parameter	**Monitoring Frequency**	**Analysis Method/Technique**
Flow	Continuous [Note 1]	On-line flow meter with recorder
Temperature	Daily	Temperature probe
pH	Daily	pH electrode/meter and recorder
Conductivity	Fortnightly	Conductivity Meter
Carbonaceous Biochemical Oxygen Demand	Fortnightly	Standard Method
Chemical Oxygen Demand	Fortnightly	Standard Method
Suspended Solids	Fortnightly	Standard Method
Total Ammonia (as N)	Fortnightly	Standard Method
Total Nitrogen (as N)	Fortnightly	Standard Method
Total Oxidised Nitrogen (as N)	Fortnightly	Standard Method
Oils, fats & greases	Quarterly	Standard Method
Metals and Organic Compounds [Note 2]	As required	Standard Method
Faecal coliforms	Quarterly	Standard Method
Escherichia coli	Quarterly	Standard Method
Intestinal enterococci	Quarterly	Standard Method
Visual Inspection	Daily	Sample and examine for colour and odour

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

Note 2: Having identified the most relevant pollutants from screening (Condition 4.11), subsequent monitoring for these pollutants shall be carried out at a frequency agreed by the Agency.

B.2 Monitoring of Secondary Waste Water Discharges

B.2.1 Secondary Discharge Point Codes: SD10 [Note 1], SD11 [Note 2], SD13 [Note 2]

Parameter	**Monitoring Frequency**	**Analysis Method/Technique**
Flow	See Condition 4.14	Flow meter with recorder
Temperature	Monthly	Temperature probe
pH	Monthly	pH electrode/meter and recorder
Conductivity	Monthly	Conductivity Meter
Carbonaceous Biochemical Oxygen Demand	Monthly	Standard Method
Chemical Oxygen Demand	Monthly	Standard Method
Suspended Solids	Monthly	Standard Method
Total Nitrogen (as N)	Quarterly	Standard Method
Total Phosphorus (as P)	Quarterly	Standard Method
Oils, fats & greases	Quarterly	Standard Method
Metals and Organic Compounds [Note 3]	As required	Standard Method
Faecal coliforms	Biannual	Standard Method
Escherichia coli	Biannual	Standard Method
Intestinal enterococci	Biannual	Standard Method
Visual Inspection	Monthly	Sample and examine for colour and odour

Note 1: Monitoring to be discontinued on 1st May 2014.
Note 2: Monitoring to be discontinued on 21st December 2015.
Note 3: Having identified the most relevant pollutants from screening (Condition 4.11), subsequent monitoring for these pollutants shall be carried out at a frequency agreed by the Agency.

B.2.2 Secondary Discharge Point Codes: SD12, SD14, SD15 [Note 1]

Parameter	Monitoring Frequency	Analysis Method/Technique
Flow	Quarterly	Flow meter
Temperature	Quarterly	Temperature probe
pH	Quarterly	pH electrode/meter
Carbonaceous Biochemical Oxygen Demand	Quarterly	Standard Method
Chemical Oxygen Demand	Quarterly	Standard Method
Suspended Solids	Quarterly	Standard Method
Orthophosphate (as P)	Biannual	Standard Method
Metals and Organic Compounds [Note 2]	As required	Standard Method
Visual Inspection	Quarterly	Sample and examine for colour and odour

Note 1: Monitoring to be discontinued on 1st May 2011.
Note 2: Having identified the most relevant pollutants from screening (Condition 4.11), subsequent monitoring for these pollutants shall be carried out at a frequency agreed by the Agency.

B.3 Interpretation of Discharge Monitoring Results

No of samples taken in any one year [Note 1]	**Maximum number of samples which may exceed ELV**
4-7	1
8-16	2
17-28	3
29-40	4
41-53	5
54-67	6
68-81	7
82-95	8
96-110	9
111-125	10
126-140	11
141-155	12
156-171	13
172-187	14
188-203	15
204-219	16
220-235	17
236-251	18
252-268	19
269-284	20
285-300	21
301-317	22
318-334	23
335-350	24
351-365	25

Note 1: Where the licensee has taken samples which exceed the number specified in this Schedule, the licensee shall submit to the Agency all results of analysis.

B.4 Ambient Monitoring

Location: **Agency Water Quality Monitoring Stations in Galway Bay**

Parameter	Monitoring Frequency [Note 1]	Analysis Method/Technique
pH	Quarterly	pH electrode/meter
DO	Quarterly	DO probe
BOD	Quarterly	Standard Method
Temperature	Quarterly	Thermometer
Orthophosphate (as P)	Quarterly	Standard Method
Total Nitrogen (as N)	Quarterly	Standard Method
Total Oxidised Nitrogen	Quarterly	Standard Method
Ammonia (to include ionised and un-ionised fractions of ammonia)	Quarterly	Standard Method
Metals and Organic Compounds [Note 2]	As required	Standard Method
Dissolved Inorganic Nitrogen (DIN)	Quarterly	Standard Method
Faecal coliforms	Biannual	Standard Method
Escherichia coli	Biannual	Standard Method
Intestinal enterococci	Biannual	Standard Method

Note 1: Ambient monitoring data is to be submitted to the Agency in accordance with Conditions 4.18 and 4.19 of this licence.

Note 2: Having identified the most relevant pollutants from screening (Condition 4.11), subsequent monitoring for these pollutants shall be carried out at a frequency agreed by the Agency.

SCHEDULE C: Specified Improvement Programme

C.1 Improvement Programme for Primary Discharge

Specified Improvement	Completion Date
Waste water treatment plant upgrade and ancillary works	1st September 2012
Any other works notified in writing by the Agency	As agreed

C.2 Improvement Programme for Secondary Discharges

Specified Improvement	Discharge Point Code	Completion Date
Upgrade to Storm Water Overflow Note 1	SD10	1st May 2014
Any other works notified in writing by the Agency	As agreed	As agreed

Note 1: Upgrade shall ensure compliance with the definition of a storm water overflow as set out in *"Procedures and Criteria in relation to Storm Water Overflows"*.

C.3 Improvement Programme for Storm Water Overflows

Specified Improvement [Note 1]	**Discharge Point Code**	**Completion Date**
Upgrading of Storm Water Overflows to comply with the criteria outlined in the DoEHLG "Procedures and Criteria in relation to Storm Water Overflows, 1995"	SWO01	1st May 2014
As above	SWO02	1st May 2014
As above	SWO03	1st May 2014
As above	SWO04	1st May 2014
As above	SWO05	1st May 2014
As above	SWO06	1st May 2014
As above	SWO07	1st May 2014
As above	SD02	1st September 2012
As above	SD03	1st May 2014
As above	SD05	1st May 2014
As above	SD06 [Note 2]	1st May 2014
As above	SD07	1st May 2014
As above	SD08	1st May 2014
Any other overflows notified in writing by the Agency		As agreed

Note 1: Refer to Condition 5.2(c).

Note 2: Discharge point lies within functional area of Galway County Council.

C.4 Improvement Programme for Emergency Overflows

Specified Improvement	**Discharge Point Code**	**Completion Date**
Replacement of standby pump	SD04	Within 3 months of date of grant of licence
Any other overflows notified in writing by the Agency	As agreed	As agreed

SCHEDULE D: Annual Environmental Report

Annual Environmental Report Content [Note 1]
Discharges from the agglomeration.
Summary report on monthly influent monitoring.
Data collection and reporting requirements under the Urban Waste Water Treatment Directive.
Complaints summary.
Pollutant Release and Transfer Register - report for previous year.
Pollutant Release and Transfer Register - proposal for current year.
Ambient monitoring summary.
Storm water overflow identification and inspection report.
Reported incidents summary.
Report on progress made and proposals being developed to meet the improvement programme requirements. [Note 2]
Development/Infrastructural works summary (completed in previous year or prepared for current year).
Annual statement regarding measures taken or adopted in relation to the prevention of environmental damage.
Environmental Liabilities Risk Assessment (ELRA) report.
Any other items specified by the Agency.

Note 1: Content may be revised subject to the agreement of the Agency.

Note 2: This summary report shall provide detail on all measures proposed and undertaken under the Water Services Investment Programme for the agglomeration, including progress reports on infrastructural works and a statement of compliance with timeframes set out in this licence.

Sealed by the seal of the Agency on this the 14th day of April 2010.

PRESENT when the seal of the Agency was affixed hereto:

Ms Laura Burke Director