This licence was amended on 16 December 2016, 20 February 2018 and 4 September 2019 under Regulation 33 of the Waste Water Discharge (Authorisation) Regulations 2007, as amended. The details of Amendment A, Amendment B and Amendment C must be read in conjunction with this licence. The amendment documents are entitled “Technical Amendment A”, “Technical Amendment B” and “Clerical Amendment C”.

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

Waste Water Discharge Licence

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<tr>
<th>Licence Register Number:</th>
<th>D0034-01</th>
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<tr>
<td>Licensee:</td>
<td>Dublin City Council, Drainage Services, Environmental &amp; Engineering Department, Civic Offices, Wood Quay, Dublin 8; Fingal County Council, P.O. Box 174, County Hall, Swords, Fingal, County Dublin; South Dublin County Council, County Hall, Tallaght, Dublin 24; Dun Laoghaire Rathdown County Council, County Hall, Marine Road, Dun Laoghaire, County Dublin; and Meath County Council, County Hall, Navan, County Meath.</td>
</tr>
<tr>
<td>Agglomeration:</td>
<td>Greater Dublin Area Agglomeration</td>
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WASTE WATER DISCHARGE (AUTHORISATION) REGULATIONS 2007

WASTE WATER DISCHARGE LICENCE


Reference number: D0034-01

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 Dublin City Council, Drainage Services, Environmental & Engineering Department, Civic Offices, Wood Quay, Dublin 8; Fingal County Council, P.O. Box 174, County Hall, Swords, Fingal, County Dublin; South Dublin County Council, County Hall, Tallaght, Dublin 24; Dun Laoghaire-Rathdown County Council, County Hall, Marine Road, Dun Laoghaire, County Dublin; and Meath County Council, County Hall, Navan, County Meath, in respect of the agglomeration named Greater Dublin Area, 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 27th day of July 2010

PRESENT when the seal of the Agency was affixed hereto:

Laura Burke, Director/Authorised Person
INTRODUCTION

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

The Greater Dublin Area Agglomeration includes all of the geographical area of Dublin City Council and parts of Fingal County Council functional area, South Dublin County Council functional area, Dun Laoghaire Rathdown County Council functional area and Meath County Council functional area. The agglomeration is served by one waste water treatment plant (WWTP) at Ringsend (Ringsend Treatment Works), close to Dublin City centre. The Greater Dublin Area agglomeration is the largest agglomeration in Ireland, the measured population equivalent (p.e.) loading received at the WWTP in 2007 was 2.87 million. The existing WWTP has a design load capacity of c.1.64 million p.e.

The primary discharge is into the Lower Liffey Estuary which is designated as a sensitive waterbody under the Urban Waste Water Treatment Regulations 2001 (S.I. 254 of 2001). Currently, emissions from the primary discharge do not comply with the Urban Waste Water Treatment Regulations.

Two identified secondary discharges in the application are to be discontinued in 2010 and 2011 following connection to the Ringsend WWTP.

The drainage system is characterised by a combined system (where both rainfall and waste waters are carried in a single pipe) in the city centre and urbanised areas and by separate systems (where rainfall and waste water are carried in two separate pipelines) in the more recent suburban developments. A significant number of storm water overflows (combined sewer overflows) are provided within the urbanised area of the agglomeration to allow excess storm flows discharge to water courses or storm drains and so prevent flooding of property. Some of these discharges do not function in accordance with the Department of Environment, Heritage and Local Government guidelines on storm water overflows, and these matters will be addressed by conditions of this licence.

Dublin City Council and the joint applicant Local Authorities must continue to upgrade the sewer network to ensure the system works effectively and to ensure that storm overflows (combined sewer overflows) operate in accordance with Department of Environment, Heritage and Local Government ‘Procedures and Criteria in Relation to Storm Water Overflows’, 1995 and any other guidance as may be specified by the Agency and the sewer network.

The WWTP at Ringsend needs to be upgraded to accommodate the loadings on the existing treatment system. Draft proposals have been included in support of the licence application, however, an Environmental Impact Statement has yet to be completed. The licensee shall apply for a licence review under Regulation (14)(1)(b) of the Waste Water Discharge (Authorisation) Regulations 2007 in relation to any change in the discharge point, and as part of the review may seek amendment of the emission limit values.

The licence sets out in detail the conditions under which Dublin City Council, Fingal County Council, South Dublin County Council, Dun Laoghaire Rathdown County Council and Meath 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.

The licence requires appropriate remedial action, within specified timeframes, to be undertaken in order to address unauthorised discharges from the agglomeration. The remedial actions identified will ensure that appropriate protection is afforded to the receiving water environment.
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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.
<table>
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<th>Term</th>
<th>Definition</th>
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<tbody>
<tr>
<td>Documentation</td>
<td>Any report, record, result, data, drawing, proposal, interpretation or other document, in written or electronic form, that is required by this licence.</td>
</tr>
<tr>
<td>DoEHLG</td>
<td>Department of the Environment, Heritage and Local Government.</td>
</tr>
<tr>
<td>Domestic Waste Water</td>
<td>Waste water from residential settlements and services that originates predominantly from human metabolism and from household activities.</td>
</tr>
<tr>
<td>Drawing</td>
<td>Any reference to a drawing or drawing number means a drawing or drawing number contained in the application, unless otherwise specified in this licence.</td>
</tr>
<tr>
<td>EMP</td>
<td>Environmental Management Programme.</td>
</tr>
<tr>
<td>Environmental damage</td>
<td>As defined in Directive 2004/35/EC.</td>
</tr>
<tr>
<td>EPA</td>
<td>Environmental Protection Agency.</td>
</tr>
<tr>
<td>Fortnightly</td>
<td>A minimum of 24 times per year, at approximately two week intervals.</td>
</tr>
<tr>
<td>GC/MS</td>
<td>Gas chromatography/mass spectroscopy.</td>
</tr>
<tr>
<td>ICP</td>
<td>Inductively coupled plasma spectroscopy.</td>
</tr>
<tr>
<td>Incident</td>
<td>The following shall constitute an incident for the purposes of this licence:</td>
</tr>
<tr>
<td></td>
<td>(i) any discharge that does not comply with the requirements of this licence;</td>
</tr>
<tr>
<td></td>
<td>(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.</td>
</tr>
<tr>
<td>Industrial waste water</td>
<td>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.</td>
</tr>
<tr>
<td>Licensee/s</td>
<td>Dublin City Council, Fingal County Council, South Dublin County Council, Dun Laoghaire Rathdown County Council and Meath County Council.</td>
</tr>
<tr>
<td>Local Authority</td>
<td>Dublin City Council, Fingal County Council, South Dublin County Council, Dun Laoghaire Rathdown County Council and Meath County Council.</td>
</tr>
<tr>
<td>Maintain</td>
<td>Keep in a fit state, including such regular inspection, servicing, calibration and repair as may be necessary to perform its function.</td>
</tr>
<tr>
<td>Mass flow threshold</td>
<td>A mass flow rate above which a concentration limit applies.</td>
</tr>
</tbody>
</table>
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 (BOD₅) 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.

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 Wastewater” (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.
<table>
<thead>
<tr>
<th>Term</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>The Agency</td>
<td>Environmental Protection Agency.</td>
</tr>
<tr>
<td>Triennially</td>
<td>Once every three years.</td>
</tr>
<tr>
<td>Waste Water</td>
<td>Domestic waste water or the mixture of domestic waste water with industrial waste water.</td>
</tr>
<tr>
<td>Waste Water Works</td>
<td>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.</td>
</tr>
<tr>
<td>Water Services Authority</td>
<td>Dublin City Council, Fingal County Council, South Dublin County Council, Dun Laoghaire Rathdown County Council and Meath County Council.</td>
</tr>
<tr>
<td>Weekly</td>
<td>During all weeks when discharges are taking place; with at least one measurement in any one week.</td>
</tr>
<tr>
<td>WSIP</td>
<td>Water Services Investment Programme.</td>
</tr>
<tr>
<td>WWTP</td>
<td>Waste water treatment plant.</td>
</tr>
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</table>
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 Dublin City Council, Drainage Services, Environmental & Engineering Department, Civic Offices, Wood Quay, Dublin 8; Fingal County Council, P.O. Box 174, County Hall, Swords, Fingal, County Dublin; South Dublin County Council, County Hall, Tallaght, Dublin 24; Dun Laoghaire Rathdown County Council, County Hall, Marine Road, Dun Laoghaire, County Dublin; and Meath County Council, County Hall, Navan, County Meath. The licence authorises the discharge of waste water from the waste water works servicing the Greater Dublin Area 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 |

[Signature]
Part II  Conditions

Condition 1.  Scope

1.1 The lead authority for the purpose of this licence is Dublin 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.

1.2.3 The Agency may review the licence at any time in accordance with Regulation 14 of S.I. No. 684 of 2007.

1.3 The agglomeration is the area outlined in red on Drawing No. DCC_B1_Map1 (Ringsend Treatment Works Agglomeration Map) of the application. Any reference in this licence to agglomeration shall mean the area thus outlined in red.

1.4 The primary and secondary discharge(s) 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 1.7 of this licence and subject to the conditions of this licence.

1.5 The discharge(s) 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 locations of the waste water discharges authorised by this licence are as presented on Drawing No. ‘DCC B3 Primary Discharge Point’, ‘DCC B5 Storm water Overflow’, ‘Attachment B.5 GDSDS Predicted CSO Spill Performance – Existing & Proposed’ 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 1.8.1 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 Continuous Monitoring

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

(ii) No temperature value shall exceed the limit value.

(iii) No other parameter that is continuously monitored shall exceed the limit value.

2.1.2 Composite Sampling

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

(ii) For eBOD and COD, no more than the relevant number of samples specified in Schedule B3: Interpretation of Discharge Monitoring Results – Column 2 shall exceed the concentration Emission Limit Value based on the number of samples taken as listed in Schedule B3: Interpretation of Discharge Monitoring Results – Column 1. 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 B3: Interpretation of Discharge Monitoring Results – Column 2 shall exceed the concentration Emission Limit Value based on the number of samples taken as listed in Schedule B3: Interpretation of Discharge Monitoring Results – Column 1. No individual result similarly calculated shall exceed the emission limit value by more than 150%.

(iv) For parameters other than pH, flow, eBOD, 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%.

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 point(s) 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 The licensee shall ensure that all or any of the following:
   (i) Gross solids
   (ii) 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 the Lower Liffey Estuary and all other receiving water bodies in the agglomeration.

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 discharge(s) 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 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 six 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 twelve months of the date of grant of this licence, investigate the sources, if any, of dangerous substances detected during monitoring of the primary discharge and take such measures as are necessary to comply with the Dangerous Substances Regulations (S.I. No. 12 of 2001). A report on the investigation and measures identified, including timeframe for implementation, shall be included in the AER.

4.12 Storm water overflows

4.12.1 The licensee shall, within six months of the date of grant of this licence, submit to the Agency a report on the works (upgrade and remediation of storm water overflows) commenced, or due to commence, prior to the submission of the second AER (required under Condition 6.10). The report shall be updated as part of the second AER and thereafter as part of the AER.

4.12.2 The licensee shall, prior to the date for submission of the second AER (required under Condition 6.10), 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 report may be based on studies completed to date including the ‘Greater Dublin Strategic Drainage Study, Final Strategy Report’ (April 2005) and shall include a determination of compliance with the criteria for storm water overflows, as set out in the DoHLG ‘Procedures and Criteria in Relation to Storm Water Overflows’, 1995 and any other guidance as may be specified by the Agency. The licensee shall carry out an assessment of storm water overflows identified at least once every three years thereafter and report to the Agency on each occasion as part of the AER.

4.12.3 The licensee shall, based on the assessment of storm water overflows completed under Condition 4.12.2 and the selection criteria specified by the Department of Environment, Heritage and Local Government prioritise the most significantly non-compliant storm water overflows for improvement works. The prioritisation shall as a minimum consider the frequency of discharge, the duration of discharge, the pollutant parameters within the effluent discharged, and the impact of the discharge on the receiving water (river and estuary). The licensee shall submit to the Agency for agreement a report ‘Prioritisation of storm water overflows for improvement works’, as part of the second AER and thereafter as part of each subsequent AER. The prioritisation report shall be used by the licensee in the preparation of the programme of infrastructural improvements required under Condition 5.3.

4.13 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.

4.14 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.
4.15 The licensee shall carry out monthly monitoring of the influent stream to the waste water treatment plant for cBOD, COD, Suspended Solids, Total Nitrogen and Total Phosphorus in order to measure the mass loadings and removal efficiencies within the treatment plant.

4.16 Prior to submitting ambient monitoring data, the licensee must 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 6.10), 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 P loadings in the discharge to the maximum practicable extent;

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

f) meet the obligations of Condition 1.8.

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) downstream abstractions and uses of water;

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

   (vi) 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) capacity of the waste water works;

   (iv) leaks from the waste water works;
(iii) misconnections between foul sewers and surface water drainage network;
(iv) infiltration by surface water;
(v) infiltration by groundwater;
(vi) infiltration by sea-water;
(vii) 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), and 5.2(c) (storm water 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, as part of the first AER and annually thereafter, update and amend as appropriate the Gantt chart submitted on the 20th January 2010, as part of the licence application. The licensee shall also provide an annual report on progress made towards achievement of the milestones identified in the Gantt chart submitted, identification of any slippage in achievement of the milestones, mitigation measures to address any slippage in achievement of milestones, technical difficulties encountered and identification of alternative proposals to achieve the Kingsend Waste Water Treatment Plant upgrade by December 2015.

5.5 The licensee shall complete the improvements as set out in Schedule C: Specified Improvement Programme, of this licence, by 22/12/2015 in order to ensure
compliance with the emission limit values as set out in Schedule A: Discharges of this licence.

5.6 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 Inland Fisheries Ireland/Department of Agriculture, Fisheries and Food and the relevant downstream water services authority, as soon as practicable after such an incident.

6.3 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.

6.4 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.

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

6.6 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.

6.7 The licensee shall, within six months of date of grant of this licence, ensure that a documented Emergency Response Procedure is in place, that 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.

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

6.9 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.

6.10 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.

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

6.12 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.

7.1 Agency Charges

7.1.1 The licensee shall pay to the Agency an annual contribution of €9,780, 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 within twelve months of the date of grant of this licence. 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: SW1Dublin
Name of Receiving Waters: Liffey Estuary Lower (IE_EA_090_0300)
Discharge Location: 321073E, 233814N
Monitoring Location: 320355E, 233396N (Outlet sampling point)

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Emission Limit Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>pH</td>
<td>6 - 9</td>
</tr>
<tr>
<td>Toxicity</td>
<td>5 TU</td>
</tr>
<tr>
<td>Faecal coliforms</td>
<td>100,000MPN/100ml</td>
</tr>
<tr>
<td>CBOD</td>
<td>25</td>
</tr>
<tr>
<td>COD</td>
<td>125</td>
</tr>
<tr>
<td>Suspended Solids</td>
<td>35</td>
</tr>
<tr>
<td>Total Nitrogen</td>
<td>10</td>
</tr>
<tr>
<td>Total Phosphorus (as P)</td>
<td>1</td>
</tr>
</tbody>
</table>

Note 1: Limit shall apply from 1 May through to 31 August annually.

A.2 Secondary Waste Water Discharges

Discharge Point Code: S4Fingal
Name of Receiving Waters: Irish Sea
Location: 328513E, 236566N (S4Fingal)
            329975E, 239001N (S5Fingal)
A.3 Discharges to be discontinued

<table>
<thead>
<tr>
<th>Discharge Point Code</th>
<th>Location</th>
<th>Name of Receiving Waters</th>
<th>Discharge shall cease from</th>
</tr>
</thead>
<tbody>
<tr>
<td>S4Fingal</td>
<td>328513E, 236566N</td>
<td>Irish Sea</td>
<td>31 December 2011</td>
</tr>
<tr>
<td>S5Fingal</td>
<td>329975E, 239001N</td>
<td>Irish Sea</td>
<td>Three months from date of grant of licence.</td>
</tr>
</tbody>
</table>

A.4 Storm Water Overflows

Discharges from storm water overflows shall be as specified in Table D.1(iii)(a) of the application (as received on the 28 July 2008). \(^\text{Note 1}\)

Note 1: The licensee shall remediate storm water overflows identified under Condition 4.12 in accordance with the programme of infrastructural improvements prepared in accordance with Condition 5.3.
## SCHEDULE B: Monitoring

### B.1 Monitoring of Primary Waste Water Discharge

<table>
<thead>
<tr>
<th>Parameter</th>
<th>SW1 Dublin</th>
</tr>
</thead>
<tbody>
<tr>
<td>Monitoring Frequency</td>
<td>Analysis Method/Technique</td>
</tr>
<tr>
<td>Flow</td>
<td>Continuous</td>
</tr>
<tr>
<td></td>
<td>Daily Note 1</td>
</tr>
<tr>
<td>pH</td>
<td>Daily</td>
</tr>
<tr>
<td>Biochemical Oxygen Demand</td>
<td>pH electrode/meter and recorder</td>
</tr>
<tr>
<td>Chemical Oxygen Demand</td>
<td>Standard Method</td>
</tr>
<tr>
<td>Suspended Solids</td>
<td>Standard Method</td>
</tr>
<tr>
<td>Dissolved Inorganic Nitrogen</td>
<td>Standard Method</td>
</tr>
<tr>
<td>Total Nitrogen (as N)</td>
<td>Standard Method</td>
</tr>
<tr>
<td>Ammonia (as N)</td>
<td>Standard Method</td>
</tr>
<tr>
<td>Total Phosphorus (as P)</td>
<td>Standard Method</td>
</tr>
<tr>
<td>Orthophosphate (as P)</td>
<td>Standard Method</td>
</tr>
<tr>
<td>Oils, fats &amp; greases</td>
<td>Standard Method</td>
</tr>
<tr>
<td>Metals and Organic Compounds</td>
<td>As required</td>
</tr>
<tr>
<td>Faecal coliforms</td>
<td>Biannual</td>
</tr>
<tr>
<td>Escherichia coli</td>
<td>Biannual</td>
</tr>
<tr>
<td>Intestinal enterococci</td>
<td>Biannual</td>
</tr>
<tr>
<td>Toxicity Note 4</td>
<td>Annual</td>
</tr>
<tr>
<td>Visual Inspection</td>
<td>Daily</td>
</tr>
<tr>
<td></td>
<td>Sample and examine for colour and odour</td>
</tr>
</tbody>
</table>

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

Note 2: All samples thereafter shall be collected on a 24-hour flow proportional composite sampling basis.

Note 3: Having identified the most relevant pollutants from screening (Condition 4.13), subsequent monitoring for these pollutants shall be carried out at a frequency agreed by the Agency.

Note 4: The number of toxic units (Tu) = 100 x hour EC50% in percentage vol/vol so that higher Tu values reflect greater levels of toxicity. For test regimes where species death is not easily detected, immobilisation is considered equivalent to death.

### B.2 Monitoring of Secondary Waste Water Discharge

No monitoring of secondary discharges is required Note 1

Note 1: Secondary discharge point S4Fingal shall be discontinued by the 31 December 2011 and S5Fingal shall cease within three months of the date of grant of licence.
**B.3 Interpretation of Discharge Monitoring Results**

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

*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

Marine Monitoring \(^{Note\ 1}\)

Location:

- ASW2Dublin (25m north of Poolbeg Wall)
- ASW3Dublin (50m north of Poolbeg Wall)
- ASW4Dublin (75m north of Poolbeg Wall)
- ASW5Dublin (100m north of Poolbeg Wall)
- ASW6Dublin (Downstream Island Bridge Weir)
- ASW7Dublin (Heuston Station)
- ASW8Dublin (Winetavern Street Bridge)
- ASW9Dublin (Downstream Toll Bridge)
- ASW10Dublin (Downstream Annesley Bridge)
- Estuary (Liffey and Tolka)/Dublin Bay monitoring locations to be agreed with the Agency \(^{Note\ 2}\)

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Monitoring Frequency</th>
<th>Analysis Method/Technique</th>
</tr>
</thead>
<tbody>
<tr>
<td>Temperature</td>
<td>Ten samples/year</td>
<td>Standard Methods</td>
</tr>
<tr>
<td>Dissolved Oxygen</td>
<td>Ten samples/year</td>
<td>Standard Methods</td>
</tr>
<tr>
<td>BOD</td>
<td>Ten samples/year</td>
<td>Standard Methods</td>
</tr>
<tr>
<td>Salinity</td>
<td>Ten samples/year</td>
<td>Standard Methods</td>
</tr>
<tr>
<td>Dissolved Inorganic Nitrogen (DIN)</td>
<td>Ten samples/year</td>
<td>Standard Methods</td>
</tr>
<tr>
<td>Total Oxidised Nitrogen</td>
<td>Ten samples/year</td>
<td>Standard Methods</td>
</tr>
<tr>
<td>Molybdate Reactive Phosphate (MRP)</td>
<td>Ten samples/year</td>
<td>Standard Methods</td>
</tr>
<tr>
<td>Ammonia</td>
<td>Ten samples/year</td>
<td>Standard Methods</td>
</tr>
<tr>
<td>Silica</td>
<td>Ten samples/year</td>
<td>Standard Methods</td>
</tr>
<tr>
<td>Chlorophyll</td>
<td>Ten samples/year</td>
<td>Standard Methods</td>
</tr>
</tbody>
</table>

Note 1: Monitoring locations, parameters to be monitored and frequency of monitoring may be amended with the prior agreement of the Agency.

Note 2: Estuary (Liffey and Tolka)/Dublin Bay monitoring locations to be agreed with the Agency within three months of the date of grant of licence (based on results of intensive monitoring programme undertaken during 2009).
Shore Sampling

Locations:
- ASW11 Dublin (Dollymount North)
- ASW12 Dublin (Dollymount Bathing Zone)
- ASW13 Dublin (Dollymount South)
- ASW14 Dublin (Bull Wall Wood Causeway)
- ASW15 Dublin (Poolbeg Outfall (Main))
- ASW16 Dublin (Half Moon Club, Southside)
- ASW17 Dublin (Sandymount Strand)
- ASW18 Dublin (Merrion Strand)

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Monitoring Frequency</th>
<th>Analysis Method/Technique</th>
</tr>
</thead>
<tbody>
<tr>
<td>Faecal coliforms</td>
<td>Four samples per bathing season</td>
<td>Standard Method</td>
</tr>
<tr>
<td>Escherichia coli</td>
<td>Four samples per bathing season</td>
<td>Standard Method</td>
</tr>
<tr>
<td>Intestinal enterococci</td>
<td>Four samples per bathing season</td>
<td>Standard Method</td>
</tr>
<tr>
<td>Visual inspection</td>
<td>Weekly during bathing season</td>
<td>Sample and examine for colour</td>
</tr>
</tbody>
</table>

Note 1: Monitoring period: June to September.

Biological Monitoring

Locations:
- Liffey and Tolka Estuaries
- Dublin Bay Note 1

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Monitoring Frequency</th>
<th>Analysis Method/Technique</th>
</tr>
</thead>
<tbody>
<tr>
<td>Intertidal Opportunistic Macroalgal Growth</td>
<td>Annually</td>
<td>Standard Methods Note 2</td>
</tr>
<tr>
<td>Benthic Invertebrates</td>
<td>Triennially</td>
<td>Standard Methods</td>
</tr>
<tr>
<td>Intertidal Rocky shore Seaweed Diversity</td>
<td>Triennially</td>
<td>Standard Methods Note 2</td>
</tr>
</tbody>
</table>

Note 1: Locations of monitoring stations to be agreed with the Agency within three months of the date of grant of licence (based on results of intensive monitoring programme undertaken during 2009).

Note 2: Techniques and sample numbers for biological monitoring should be complementary to the methods currently in use for WFD monitoring.
Chemical Monitoring

Locations:
Liffey and Tolka Estuaries
Dublin Bay

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Monitoring Frequency</th>
<th>Analysis Method/Technique</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dangerous Substances</td>
<td>Triennially</td>
<td>Standard Methods</td>
</tr>
<tr>
<td>Specific Pollutants</td>
<td>Triennially</td>
<td>Standard Methods</td>
</tr>
</tbody>
</table>

Note 1: Locations of monitoring stations to fall within boundaries of WFD water bodies, to be agreed with the Agency within three months of the date of grant of licence (based on results of intensive monitoring programme undertaken during 2009).

Note 2: Techniques and sample numbers for chemical monitoring should be complementary to the methods currently in use for WFD monitoring for the substances listed under European Communities Environment Objectives (Surface Water) Regulations 2009.
SCHEDULE C: Specified Improvement Programme

C.1 Improvement Programme for Primary Discharge

<table>
<thead>
<tr>
<th>Specified Improvement</th>
<th>Completion Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Upgrade waste water treatment plant and ancillary works in accordance with the Condition 5.5.</td>
<td>22nd December 2015</td>
</tr>
<tr>
<td>Upgrade storm water storage tank at WWTP, as necessary</td>
<td>22nd December 2015</td>
</tr>
<tr>
<td>Any other works notified in writing by the Agency</td>
<td>As agreed</td>
</tr>
</tbody>
</table>

C.2 Improvement Programme for Secondary Discharge(s)

No additional improvements works are specified.

C.3 Improvement Programme for Storm Water Overflows

The licensee shall complete projects identified in the Water Services Investment Programme and infrastructural improvements identified in accordance with Conditions 4.12 and 5.3 of this licence.
SCHEDULE D: Annual Environmental Report

**Annual Environmental Report Content**

- Discharges from the agglomeration.
- Summary report on monthly influent monitoring.
- Summary report of mass loadings received at the WWTP and removal efficiencies.
- 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.
- Investigate the sources of dangerous substances report and measures.
- Ambient monitoring summary.
- Storm water overflow identification and inspection report.
- Report on Storm Water Overflows (upgrades completed in the 12 months being reported on and upgrades due to be commenced and completed over the next 24 months).
- Report on Prioritisation of Storm Water Overflows for Improvement Works (Condition 4.12.3)
- Report on progress towards completion of Ringsend Waste Water Treatment Plant Upgrade (Condition 5.4).
- Reported incidents summary.
- Report on progress made and proposals being developed to meet the improvement programme requirements.
- Development/Infrastructural works summary (completed in previous year or prepared for current year).
- 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 27th day of July 2010

PRESENT when the seal of the Agency was affixed hereto:

Laura Burke, Director/Authorised Person