



ATTACHMENT C.2:

**MEASURES TO PREVENT UNINTENDED
DISCHARGES**

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The Waste Water Treatment Works at Bandon has been designed and incorporates the following key measures to prevent unintended discharges to the River Bandon:

- All SWOs meet the definition of '*Storm Water Overflow*' as per Regulation 3 of the Waste Water Discharge (Authorisation) Regulations, 2007, as amended and the criteria as set out in the DoEHLG '*Procedures and Criteria in Relation to Storm Water Overflows*', 1995.
- Provision of 900m³ of storm storage at the WwTP.
- Provision of 250m³ of storm storage at the Glasslinn Road Pumping Station.
- Provision of 80m³ of storm storage at the Laragh Pumping Station.
- Provision of backup generators and bunded fuel tanks at the Bandon WwTP and at Glasslinn Pumping Station.
- Connection for generator available at Castlewoods Pumping Station and Kilbrogan Pumping Station.
- The design of the Bandon Laragh IDA Pumping Station includes an Uninterruptible Power Supply (UPS) to allow all instrumentation, controllers, alarms and data storage systems to operate for up to 30 minutes following a power outage.
- At the WwTP, a standby pump will activate automatically upon failure of duty pump.
- At all Pumping Stations, a standby pump will activate automatically upon failure of duty pump.
- UPS backup for telemetry/plant controllers at WwTP.
- Alarms for WwTP fed to SCADA with alarms sent to operators.
- High level/pump failure/power outage alarms at network Pumping Stations with alerts sent to operator.
- An Emergency Response Plan and Procedures, Operation and Maintenance Procedures for all equipment will be in place and implemented by the appointed plant operator, as required.
- All operators will be fully familiar with all operational plans and procedures pertaining to the plant and network *etc.*
- All flows will be monitored continuously and recorded at the electromagnetic flowmeters which will be installed at the WwTP.
- The remedial network upgrade works will retain additional reserve storage capacity in foul network and will lead to reduced overflows from the SWOs.

Refer to **Section C.2** of the application form for further details on the proposed prevention and monitoring measures.

The Bandon WwTW has been designed to prevent unintended discharges from the works and to ensure that all emissions from the agglomeration comply with or will not result in the contravention, of any national or European legislation.