

## **Attachment I.2 Assessment of Impacts on Receiving Surface Water.**

### Existing Conditions

The site is located in the catchment of the Tolka River, whose main channel is approximately 3.0 kilometres to the south of the site. The closest significant water feature is a tributary of the Tolka which is approximately 1km to the west of the site.

The River Tolka is part of the IE\_EA\_Tolka Water Management Unit (WMU) designated in the ERBD Management Plan prepared under the EU Water Framework Directive (WFD). The WMU comprises various Water Bodies and the site is in the Tolka Lower River Water Body.

Reports have been prepared on the 'Status' of each water body. Status means the condition of the water in a watercourse and is defined by its ecological and chemical status, whichever is worse. Water bodies are ranked in one of five classes, High, Good, Moderate, Poor and Bad. The WFD requires measures to ensure waters achieve at least 'Good Status' by 2015 and that their current status does not deteriorate. Where necessary, for example in heavily impacted or modified watercourses, extended deadlines (2021 and 2027) can be set for achieving the following objectives:

- Prevent Deterioration
- Restore Good Status
- Reduce Chemical Pollution
- Achieve Protected Areas Objectives

The objectives for particular watercourses are based on Pressure and Impact Assessments of human activity, including point and diffuse emissions, land use and morphological conditions on surface waters to identify those water bodies that are 'At Risk' of failing to meet the WFD objectives.

The Lower Tolka Water Body Status Report states that the overall status is 'Bad', and is considered 'At Risk' of not achieving its restoration objective of at least 'Good' status by 2027.

In 2013, the surface water monitoring identified contamination. As part of the investigation Greenstar contacted the Millennium Business Park Management Company who informed it that there was a problem with the flow in the sewer system serving the Business Park, which was causing back flow into the Greenstar site resulting in stagnant and nutrient rich water collecting at the monitoring locations.

Responsibility for addressing the drainage problems rests with the Management Company and, pending the resolution, the surface water run-off from the site has been diverted to the foul sewer. Therefore there are currently no emissions to surface water; however it is intended to recommence emissions to the surface water sewer serving the Business Park once the Management Company has resolved the drainage problems.

### Statement on Main Polluting Substances

Emissions of main polluting substances (as defined in the Schedule of EPA (Industrial Emissions) (Licensing) Regulations 2013, S.I. No. 137 of 2013) to surface waters are not likely to impair the environment.

### Compliance with EC Environmental Objectives (Surface Waters) Regulations 2009, S.I. No. 272 of 2009.

The activity complies with the requirements of the EC Environmental Objectives (Surface Waters) Regulations 2009, S.I. No. 272 of 2009.

### Assessment of Impacts

The proposed development does not include any material changes to the site that will have any effect on the surface water drainage system. Therefore, the proposed development will have no impact on surface water.

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