

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

Existing Conditions

The facility is in the catchment of the River Boyne and is in the Boyne Lower Water Management Unit (WMU) as designated in the ERBD Management Plan prepared under the EU Water Framework Directive (WFD). The WMU comprises a number of different Water Bodies and the site is in the Rathdrinagh Upper 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 Rathdrinagh Upper Water Body is ranked as being of Moderate Status based on the overall ecological status and is 'Probably At Risk' of not achieving its Objective of 'Restoring Good Status' by 2027.

PANDA received planning permission and EPA approval for an integrated constructed wetland (ICW) on the open ground west of Building 3. The ICW became operational at the end of 2016. Surface water run-off from the paved area is directed to the ICW after first passing thorough silt traps and an oil interceptor. The outfall from the ICW is to the land drain on the southern boundary. This is the only discharge to surface water arising from the site.

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.

*For inspection purposes only.
Consent of copyright owner required for any other use.*