



Greater Dublin Drainage Project Addendum

**Outline Construction Environmental Management Plan Addendum:
Appendix 2 Surface Water Management Plan**

Uisce Éireann

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Acronym	Description
ABP	An Bord Pleanála
CEMP	Construction Environmental Management Plan
EIAR	Environmental Impact Assessment Report
FCC	Fingal County Council
MCC	Motor Control Centre
NIS	Natura Impact Statement
SuDs	Sustainable Drainage Systems
SWMP	Surface Water Management Plan
UV	Ultraviolet
WFD	Water Framework Directive
WwTP	Wastewater Treatment Plant

1. Introduction

1.1 Introduction

An Bord Pleanála (ABP) previously made a decision to grant the planning application by Order dated 11 November 2019 under reference number ABP-301908-18 for the Greater Dublin Drainage Project (hereafter referred to as the Proposed Project). That decision was quashed by Order of the High Court and the case was remitted by that Court to ABP for a fresh determination. Following the remittal Order, ABP decided that given the passage of time since the submission of the original planning application, and in accordance with Section 37F(1)(c) of the Planning and Development Act 2000 (as amended), Uisce Éireann should have the opportunity to update, where appropriate, the Environmental Impact Assessment Report (EIAR) and Natura Impact Statement (NIS) and any other information submitted. This Addendum has been prepared in response to that request from ABP to provide a full update in an Addendum Report. In the preparation of this Addendum Report, Uisce Éireann and its technical advisors have considered the extent to which each of the technical documents are required to be updated.

In so far as relevant to this Addendum Report, Irish Water has also had regard to the information presented at the Oral Hearing for application ABP-301908-18 and the High Court proceedings in respect of that application, including the addition of ultraviolet (UV) treatment such that the Proposed Project description has been updated.

This Addendum to the original Appendix 3 (Surface Water Management Plan (SWMP)) of the Outline Construction Environmental Management Plan (CEMP) addresses the updated elements to the proposed infrastructural requirements of the Proposed Project.

1.2 Legislation and Guidance

The following updates to legislation have occurred since the submission of the 2018 planning application:

- S.I. No. 722/2003 – European Communities (Water Policy) Regulations 2003 have been amended by S.I. No. 166/2022 - European Union (Water Policy) (Amendment) Regulations 2022;
- S.I. No. 272/2009 - European Communities Environmental Objectives (Surface Waters) Regulations 2009 have been amended by S.I. No. 288/2022 - European Communities Environmental Objectives (Surface Waters) (Amendment) Regulations 2022;
- S.I. No. 249/2011 - European Communities (Marine Strategy Framework) Regulations 2011 have been amended by S.I. No. 648/2018 - European Communities (Marine Strategy Framework) (Amendment) Regulations 2018; and
- The Management of Invasive Alien Plant Species on National Roads – Technical Guidance. (Transport Infrastructure Ireland 2020).

The amended regulations have been considered but do not have any impact on the details and measures outlined in the SWMP for the 2018 planning application.

1.3 Description of Proposed Project

Table 1.1 below includes a summary of the project elements which were incorporated into the planning design for the Proposed Project following direction at the Oral Hearing in 2019 and the subsequent planning conditions applied to the 2018 planning application submission. A full description is included in the Chapter 4A (Description of the Proposed Project) in Volume 2A Part A of the EIAR Addendum. The remaining elements of the Proposed Project included in the 2018 planning application remain unchanged.

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Table 1.1: Updated Proposed Project Elements

Updated Element	Outline Description of Updated Element
Ultraviolet (UV) Treatment	<ul style="list-style-type: none">• UV Treatment is to be included in the treatment process at the proposed wastewater treatment plant (WwTP) in the northern section of the WwTP site.• The UV treatment system will be designed for the expected flows at the plant and will be installed on the final effluent line. UV treatment will be in operation 24 hours a day, 365 days a year.• The UV system will consist of a minimum of three and a maximum of four treatment units located below or partially below ground level with an above-ground Motor Control Centre (MCC) (in a kiosk) along with minor maintenance and control equipment (e.g. shut-off button, frame for supporting, retracting and cleaning of UV lamps etc.).
River Mayne Culvert Extension	<ul style="list-style-type: none">• Extension of the River Mayne Culvert on the proposed access road to the WwTP by 4m (from 21m to 25m) to cater for the full width of the future north south link road.

There are no changes to the remaining elements of the Proposed Project proposed in the 2018 planning application, other than the updated elements discussed in Table 1.1.

1.4 Existing Surface Water Environment

1.4.1 Water Bodies

The Water Framework Directive (WFD) status of water bodies have been updated since the submission of the 2018 planning application.

The only change in river water body status is to the River Sluice which previously had an 'unassigned' status and is now classified as 'Poor' water quality status. Its risk of not achieving 'Good' water quality status is currently under review. However, the change in the designated WFD status of the River Sluice results in no change to the details and measures outlined in the SWMP for the 2018 planning application.

The changes noted under coastal and estuarine water bodies are as follows:

- The status of Mayne Estuary (Baldoyle Estuary) was previously 'under review', but this has now been assigned a 'Moderate' water quality status;
- The status of Tolka Estuary was previously 'Moderate' but is now assigned a 'Poor' water quality status; and
- The transitional water body into which the River Santry discharges (North Bull Island transitional water body) is now classified as 'Moderate'.

However, the changes in the designated WFD status for these water bodies result in no material change to the assessment undertaken for the 2018 planning application.

1.4.2 Flood Risk

There are no changes to the information presented in this Section of the SWMP in the 2018 planning application.

2. Surface Water Management Measures

2.1 Embedded Mitigation

There are no changes to the information presented in this Section of the SWMP in the 2018 planning application.

2.1.1 Surface Water Drainage

The Fingal Development Plan 2023-2029 (Fingal County Council 2022) includes the following updated measure in relation to surface water drainage under 'Objective GINH015 - SuDS':

'Limit surface water run-off from new developments through the use of appropriate Sustainable Urban Drainage Systems (SuDS) using nature-based solutions and ensure that SuDS is integrated into all new development in the County'.

As outlined in this Section of the SWMP in the 2018 planning application, surface drainage from the proposed wastewater treatment plant (WwTP) and Abbotstown pumping station will be attenuated to greenfield runoff rates and will make allowance for climate change.

2.1.2 Prevention of Pollution

There are no changes to the information presented in this Section of the SWMP in the 2018 planning application.

2.1.3 Culverting

As outlined in Section 1.3, the River Mayne Culvert on the proposed access road to the WwTP will be extended by 4m (from 21m to 25m) to cater for the full width of the future north south link road. This 4m extension to the proposed culvert will still be constructed using the construction methodologies outlined in the 2018 planning application.

2.1.4 Proposed Outfall Pipeline Route (Marine Section) – Microtunnelling

There are no changes to the information presented in this Section of the SWMP in the 2018 planning application.

2.2 Construction Phase Measures

There are no changes to the information presented in this Section of the SWMP in the 2018 planning application.

3. References

FCC (2023). Fingal Development Plan 2023-2029

Transport Infrastructure Ireland (2020). The Management of Invasive Alien Plant Species on National Roads – Technical Guidance.

Directives and Legislation

Planning and Development Act 2000 (as amended)

S.I. No. 722/2003 – European Communities (Water Policy) Regulations 2003

S.I. No. 272/2009 - European Communities Environmental Objectives (Surface Waters) Regulations 2009

S.I. No. 249/2011 - European Communities (Marine Strategy Framework) Regulations

S.I. No. 648/2018 - European Communities (Marine Strategy Framework) (Amendment) Regulations 2018

S.I. No. 166/2022 - European Union (Water Policy) (Amendment) Regulations 2022

S.I. No. 288/2022 - European Communities Environmental Objectives (Surface Waters) (Amendment) Regulations 2022