

Water Services Planning Report

Register Reference No.:	<i>SD21A/0272 AI</i>
Development:	Demolition of existing workshop and (defunct) Activated Carbon Building adjacent the old/northern Treatment Plant Building; construction of a Sulphuric Acid Storage and Dosing Facility Building (single storey up to approximately 8.7 metres in height) adjacent the new/southern Treatment Plant Building; construction of a Lime Storage & Dosing Facility Building (single storey up to approximately 11 metres in height) adjoining the old/northern Treatment Plant Building, associated external storage silos (2) with external staircase (up to approximately 12.3 metres in height) partially enveloped with a perforated metal architectural screen, and ancillary plant and equipment; reconfiguration and repurposing for use as a De-Alkalisation Plant of existing (disused) High-Lift Pump Hall within the old/northern Treatment Plant Building; construction of a new ancillary Workshop Building (single storey up to approximately 4.5 metres in height) to the rear/south of the 'old/northern Treatment Plant Building; temporary and enabling works to facilitate construction and continued / uninterrupted operation of the Treatment Plant site; associated network of underground pipelines/connections, and redirection of existing where necessary, throughout the site; provision of additional car parking (to the rear/south of the old/northern Treatment Plant Building), modification and extension of existing drainage, utility and services infrastructure and connections to serve and facilitate new and reconfigured buildings, and all other associated and ancillary development and works above and below ground level.
Location:	Leixlip Water Treatment Plant Site, Cooldrinagh & Backwestonpark lands, Leixlip, Co. Dublin
Report Date:	16 th February 2021

Surface Water Report:

No Objection Subject To:

- 1.1** The applicant has not proposed SuDS (Sustainable Drainage Systems) features within the redline boundary for the proposed development. Prior to commencement of development submit a drawing in plan and cross sectional views clearly showing proposed Sustainable Drainage Systems (SuDS) features for the development.

Examples of SuDS include

- Green Roofs, Blue Roofs
- Rain Gardens , Planter boxes with overflow connection to the public surface water sewer.

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- Permeable Paving
- Grass paving, Grasscrete
- Porous Asphalt
- Rain Water butts.
- Other such SuDS

Flood Risk

No Objection

2.1 All floor levels shall be a minimum of 500mm above the highest know flood level for the site.

- The Developer shall ensure that there is complete separation of the foul and surface water drainage for the proposed development.
 - All new precast surface water manholes shall have a minimum thickness surround of 150mm Concrete Class B.
 - All works for this development shall comply with the requirements of the Greater Dublin Regional Code of Practice for Drainage Works.
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Water Report:

Referred to IW

Foul Drainage Report:

Referred to IW

Signed: _____
Brian Harkin SEE.

Date: _____

Endorsed: _____
Chris Galvin SE.

Date: _____