

Water Services Planning Report

Register Reference No.: *SD22A/0303*

Development: Construction of a Volatile Organic Compound (VOC) Abatement system comprising of a thermal oxidiser (TO), associated plant equipment and scrubbers positioned on a bunded concrete plinth with a maximum single stack height of 12m along with two access platforms at 2.5 high and 5.0m high used for maintenance only; The system is set within a 489sq.m (including a bunded area of 213sq.m) concrete compound enclosed by a 2.4m high paladin weldmesh black fence to match the existing utilities perimeter fence; 135sq.m single storey utilities workshop will sit adjacent to the Volatile Organic Compound (VOC) abatement system compound with associated hardstanding area and soakpit; 55m (L) x 3.2m (W) x 5.6m (H) pipe rack extension with the addition of a second tier extension 118.6m (L) X 3.2M (W) 1.2m (H) to the existing pipe rack is required to service the new VOC abatement system compound; a contractor's compound 3,420sq.m comprising single stacked portacabins, workshops, parking for 30 contractors, materials delivery and set down area; the compound will be enclosed by a 2.4m tall paladin weldmesh black fence; modifications to the existing internal access road will include the addition of a new access road and footpath around the VOC abatement system compound and utilities workshop; a permanent pedestrian crossing including associated signage at the existing access road giving access between the contractor's compound and the voe abatement system compound; modifications to the existing site lighting, signage, surface water, foul and process wastewater drainage, hard and soft landscaping including a 3m high planted berm to the north of the contractor's compound; An EIAR (Environmental Impact Assessment Report) will be submitted with the application; this application relates to development which comprises an activity requiring an Industrial Emissions Licence in accordance with the First Schedule of the EPA Act 1922 as amended.

Location: Grange Castle Business Park, Grange Castle, Dublin 22

Report Date : 06 Sept 2022

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Surface Water Report:

Further Information required:

1.1 There are no soil percolation test results, design calculations or dimensions submitted for the proposed soakaway. The applicant is required to submit a report showing site specific soil percolation test results and design calculations for the proposed soakaway in accordance with BRE Digest 365 – Soakaway Design.

1.2 If percolation tests results comply with BRE Digest 365 standards then submit a revised drawing showing in plan and cross-sectional views, dimensions, and location of proposed soakaway. Any proposed soakaway shall be located fully within the curtilage of the property and shall be:

- i) At least 5m from any building, public sewer, road boundary or structure.
- ii) Generally, not within 3m of the boundary of the adjoining property.
- iii) Not in such a position that the ground below foundations is likely to be adversely affected.
- iv) 10m from any sewage treatment percolation area and from any watercourse / floodplain.
- v) Soakaways must include an overflow connection to the surface water drainage network.

Flood Risk

Further Information Required

South Dublin County Council Development Plan has noted flooding at the site of proposed development

Submit a flood risk report and assess the flood risk of proposed development. Where there is a flood risk, submit a report and drawing to show what mitigation measures are proposed for the proposed development.

- The Developer shall ensure that there is complete separation of the foul and surface water drainage for the proposed development.
- All works for this development shall comply with the requirements of the Greater Dublin Regional Code of Practice for Drainage Works.

Water Report:

Referred to IW

Foul Drainage Report:

Referred to IW

Signed: _____
 Brian Harkin SEE

Date: _____

Endorsed: _____
 Juliene Helbert SE

Date: _____

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