

The Planning Department
Wrexham County Borough Council
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Planning permission application for a Leachate Tank at Chirk Landfill Site, Pen-y-Bont Works, Chirk, Wrexham, LL14 5AR.

A planning application has been submitted online seeking consent for the relocation of a leachate storage tank within Chirk Landfill Site. The Site currently has two leachate tanks, one is to be decommissioned and a new leachate tank installed. The new leachate tank will be stored in the purpose-built compound located near to the site's main entrance to the south.

Leachate tanks are an integral part to the long-term management of leachate at Chirk Landfill Site. The site has a long history of landfilling in accordance with the Sites environmental permit (EPR/GP3830BG). Leachate from the landfill site is currently pumped to the existing tanks and is stored prior to collection via tanker lorry, this is then taken to a suitably permitted facility for treatment and disposal. One of the two existing tanks onsite has deteriorated and requires replacing. The new tank will be located in the existing purpose built compound.

The leachate tank will be manufactured from steel and finished in Dark Green. The tank will be doubled banded providing 110% capacity and constructed with input and output pipes for leachate extraction and tanker connection. All connections and components have been designed to be locked, isolated and inspected to ensure leachate is managed in a safe and sustainable manner and inline with the requirements of the sites environmental permit. Elevation plans and dimensions for the tank and associated infrastructure are detailed in drawing ref: 466A286 'Leachate Tank Plan'. In summary, the dimensions for the tank and associated infrastructure are:

- 17.5 m (L) x 2.9 m (W) x 3.0 m (H)
Total footprint: 50.75 m²

Site Setting and Description

General Location

The site is located approximately 455m east of the village of Newbridge, ~3.3km north of Chirk town centre and ~8.8km south-west of Wrexham town centre at National Grid Reference (NGR) SJ 29314 41686. The 'Site Location Plan' drawing ref: 466T010B is attached. The total footprint of the structure requiring planning permission is approximately 50.75 m² and the location of the tank within the applicants control boundary is detailed in drawing ref: Drawing ref: 466A287, 'Leachate Tank Application Area Plan'.

Planning Context

Planning Permission

This document is in support of an application to relocate a leachate tank and requires planning permission under the Town & Country Planning Act 1990. The need for leachate management, containment and disposal at Chirk Landfill Site has been long established and a requirement of the site's environmental permit, there are no proposals to alter the site's primary use as a landfill. The leachate storage tank required at Chirk Landfill Site provides fully contained management of leachate reducing the potential risk of pollution to the surrounding environment.

These elements comprise:-

Leachate Storage Tank:

The infrastructure is required for use by the Site Operator for on-site leachate management. The tank will be manufactured from steel and finished in Dark Green. The dimensions for the tank are:

- 17.5 m (L) x 2.9 m (W) x 3.0 m (H)
- Total footprint: 50.75 m²

The Planning Application Fee of £460.00 is derived from the planning portal.

The planning application comprises:

- Planning Application Forms and Certificates
- Drawing ref. 466T010B, 'Site Location Plan'
- Drawing ref: 466A287, 'Leachate Tank Application Area Plan'
- Drawing ref: 466A285, 'Leachate Tank Location Plan'
- Drawing ref. 466A286 'Leachate Tank Plan'
- Covering Letter

- The Planning Application Fee of £460.00 sent under separate cover.

Environmental Considerations

The leachate tank's primary function is to contain and safely store landfill leachate and minimise the risk of pollution from leachate generated by Chirk Landfill ensuring compliance with the site's environmental permit. It is considered that the leachate tank at Chirk Landfill Site will not give rise to discernible adverse impacts with regards to noise, dust, odour, flood risk, ecology, landscape and visual amenity. Consideration for archaeology and public rights of way has also been included.

Noise

The pumping of leachate from the landfill site to the leachate tank produces very limited noise, the proposed development is not typically noise generating and is therefore not expected to increase above current background levels.

Dust

The application is for a leachate storage container for the management of leachate arisings from Chirk Landfill Site. It is not considered that the leachate tank will result in any dust or increase in dust impacts. If any dust is generated, this is likely to be attributable to site vehicles/leachate tankers associated with the transportation of leachate from the site to the nominated treatment facility. The Site has procedures in place to manage dust such as maintaining and cleaning internal haul roads, implementation of site speed limits and use of a tractor and bowser to suppress dust if required.

Odour

The leachate storage tank and leachate operations (e.g. extraction, storage and transfer of leachate) are within contained units and pipework. It is therefore considered that any potential for odour emissions is minimal.

Flood Risk Assessment

Parts of the site has medium to high risk of flooding from rivers and surface water. However, the vast majority of the site has negligible flood risk. This information has been gained from Natural Resources Wales (NRW) Flood Risk Map Viewer. Notwithstanding, it is important to note that Chirk Landfill is an existing facility, and that this planning application proposes only a continuation of the existing operations. The new leachate tank will be stored

in the existing purpose built compound near the centre of Site. The proposals does not involve an extension of operations beyond the planning boundary. It is considered therefore that the development would not result in any further impacts in respect of flood risk.

Ecology

The area of the additional infrastructure is located in the existing site compound area which is of limited ecological value. No further ecological surveys were deemed necessary for this application. It is anticipated that no trees, hedgerows or vegetation will be impacted as a result of the proposed development.

Landscape / Visual Impacts

The infrastructure will be located within the exiting landfill site, as shown on submitted plan 'Leachate Tank Application Plan' drawing ref: 466A285. This location is within an existing operational setting and will be viewed against the backdrop of the current built development within the site. The visual impact on the surrounding landscape from the development is considered negligible and will not cause a significant impact on the surrounding landscape.

Archaeology

As the development is located on a landfill site, and no excavation is required, it is expected that there will be no archaeological concerns with the proposed development.

Rights of Way

There are no public rights of way that will be impacted as a result of the leachate tank.

I trust the planning application provides sufficient information to enable the County Planning Authority to determine the application and I look forward to receiving confirmation of validation at your convenience.

Yours sincerely,

Emma Greenhalgh – Secondment Permitting Support (North)

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