



DEMOLITION OF COLT DATA CENTRE – LINESIGHT NOISE, DUST AND WATERCOURSES

Noise mitigation measures

Areas that lack fencing will be segregated via 2.4m FSC approved timber hording. Areas where fencing is of an open nature (i.e. palisade) and viewed to represent a potential noise pathway issue will also have hoarding or acoustic sheeting installed. The above measures will act as a measure to interrupt the transition of noise from the site

Localised fencing will be used with acoustic screening affixed to interrupt the transition of noise from localised areas on the project

The North and East boundary of the data centre will be subject to carefully controlled demolition sequence with protective screening along the elevation of the structure. The screen will help to mitigate noise and materials.

A calibrated noise monitoring station will be installed on the site boundary by an approved installer. The station will be active 24/7 and report noise levels in real time with real time alerts (80dB LAeq 1 hour alert level; 75 dB LAeq 10-hour alert Level over a 24h period). The main use of this system is to benchmark against existing local area background levels and allow the site team to review controls where levels exceed set alert levels. Should a limit level be exceeded, works will be reviewed potentially resulting in works being temporarily halted until suitable additional arrangements are in place.

Working hours on site will be restricted to authorised hours only i.e. 08:00 - 18:00 hours (Monday to Friday); 09:00 - 14:00 hours (Saturday); no noisy working permitted on Sundays, Bank or Public Holidays. Additionally, breaks will be taken through the day

Dust mitigation measures

Areas that lack fencing will be segregated via 2.4m FSC approved timber hording. Areas where fencing is of an open nature (i.e. palisade) will have either hoarding or debris netting installed. The above measures will act as a measure to break up the transition of dust/debris from the site

Excavators will only undertake demolition work that could create airborne dusts whilst using dust suppression (atomised water misting systems) and fog cannons deployed to contain the light dust fraction

Weather conditions will be routinely monitored to ensure prevailing winds or dry spells do not increase the risk of dust leaving site. Should this be the case, the work and conditions may be reviewed to ensure suitable controls can be put in place. This may involve swapping the task being undertaken or suspending the task where until conditions improve

The buildings will be soft stripped which removes materials that could be damaged during demolition releasing additional dusts/man-made fibres into the atmosphere. Equally this applies to asbestos which will be removed under controlled conditions prior to demolition works commencing

Demolition will be undertaken using specialist excavator attachments such as a multi-processor or pulveriser thereby reducing dust levels created by breaker attachments.



COLEMAN & COMPANY

DEMOLITION | LAND RECLAMATION | BULK EXCAVATION

The North and East boundary of the data centre will be subject to carefully controlled demolition sequence with a protective screen along the elevation of the structure. The protective screen will help to mitigate dust and debris

A calibrated dust monitoring station will be installed on the site by an approved installer. The station will be active 24/7 and report as a minimum PM10 dust levels in real time with real time alerts (150µg/m³ for PM10 over a 15-minute period; 50µg/m³ for PM10 over a 24h period). The main use of this system is to benchmark construction phase levels against pre-existing local background levels and allow the site team to review controls where levels exceed set alert levels. Should a limit level be exceeded, works will be reviewed potentially resulting in works being temporarily halted until suitable additional arrangements are in place.

A road sweeper will be retained for used to clean local roads following deliveries and collections from site where this is deemed necessary

All dust complaints will be logged, investigated and escalated as deemed necessary with the intention of preventing reoccurrence and ensuring best practical means are adopted

An agreed traffic management plan will be implemented to determine the best routes to site to minimise disruption to the local area

Waste movements will be contained in enclosed skips or fully sheeted before leaving site

Watercourse contamination mitigation measures

The main risk relates to Yeading Brook as this is in close proximity to the East boundary. The East boundary of the data centre will be subject to carefully controlled demolition sequence with a protective screen running along the elevation of the structure. The screen will help to protect the Brook from debris. Bunding will be installed to the boundary adjacent the Yeading Brook

Prior to commencing demolition, to remove the risk of existing substances on site being released, the containers will be collated, segregated and disposed of via the appropriate waste streams.

G3 filter materials will be fitted to drains to prevent the ingress of debris during demolition. Spill kits will be retained on site in welfare and work areas to contain any spills should they occur

Refuelling will be limited to an agreed controlled area and only undertaken by authorised persons. This area will contain a dedicated lockable double bunded fuel storage tank set away from drains and Yeading Brook

The buildings will be soft stripped to remove lightweight materials that could be blown off site into the brook

Substances brought to site in small containers i.e. hydraulic oils, cleaning agents etc will be stored in a lockable COSHH compound. Labels and lids will be present

With the data centre being located within a designated flood zone 2, the site team will check EA flood warning maps and alerts daily. Sandbags and a pump will be retained on site in the event of excessive water levels to protect the brook. Bunds and drip trays will be emptied regularly. No waste will be stored close to the Brook or allowed to build up on the ground. All skips will be covered

Where below ground tanks are removed, they will first be assessed for residuals, and these will be removed as necessary before removal. A dedicated processing area will be established to process materials that could be contaminated or may contain residual substances/oils. This area will be bunded to prevent escape of residuals .