

Appendix 2: Air Quality Impact Assessment

Proposed redevelopment of existing retail space to create a new Cinema and Leisure uses within Kingsgate Shopping Centre, Huddersfield.

Introduction

The project involves the alteration change of use and rooftop extension of the existing department store within the Kingsgate Shopping Centre to form a reduced retail unit at mall level (Level 3), a new cinema at first floor (Level 4) and a variety of new restaurant and a new mall with complimentary food uses at the lower level 1. Some of these restaurant units will open onto Zetland Street.

Description of Site and Surroundings

The site is located within the Kingsgate Shopping Centre, which in turn is in the town centre of Huddersfield. The surrounding streets are Zetland Street to the west, Queensgate to the south and Shorehead Roundabout to the east. The existing shopping centre will continue to trade during the period of the proposed redevelopment works. It is understood that there are no residential properties within the environ to the proposed development. The nearest could potentially be on Queensgate facing away and approximately 50m to the south of the development site, however this is unconfirmed.

Demolition

Except for the roof above Level 4 the project will involve the reuse of most of the existing structure, walls and floors. Sections of the stone façade facing Zetland Street will be removed to form new shopfronts. The existing roof will be removed as part of the enabling construction works. This roof removal will not create significant dust due to the nature of the existing roof containing no concrete. Therefore, there will be no onsite crushing required, or any other demolition method that is likely to create significant quantities of dust.

Earthworks

Due to the nature of the project involving works to the upper levels of the existing centre there will be no earthworks associated with the proposed development. Structural works will involve the strengthening the existing columns and floors. The existing foundations have enough capacity for the proposed change of use.

Construction

At this stage it is not planned for there to require any sand blasting, piling, site concrete batching or any method creating high or medium dust emission classes. Most of the construction methodology will involve dry construction methods such as steel erection, external cladding and pre-cast concrete or timber cinema stadium seating.

Trackout

Due to the nature of the proposed development involving no earthworks and a high proportion of dry construction methods it is anticipated for there to be an extremely low amount of dust, mud or dirt creation that can be tracked out onto the public highway. Additionally, the routes construction traffic is to take from Queensgate down Zetland Street will not pass any residential properties.

Conclusion

The nature of the proposed development will result in the risk of significant impact on air quality being low. At this stage it is intended for the contractor selected to carry out the development to be a member of the Considerate Constructors Scheme. This requires members to follow a Code of Considerate Practice which includes an obligation to protect the environment and specifically minimise the impact of air pollution. All issues considered it is regarded that this development will have low impact on air quality to the environment surrounding the construction site.