



Teddington Direct River Abstraction

Preliminary Environmental Information Report
Appendix 13.2 – Construction Dust Mitigation

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- A.1.1 The following mitigation measures for a high-risk site from the Institute of Air Quality Management (IAQM) guidance (IAQM, 2024) are recommended for consideration and inclusion in the Code of Construction Practice as appropriate, taking into account the outcomes of the construction dust risk assessment. Demolition measures are not applicable as no demolition is expected during the construction of the TDRA Project (hereafter, 'the Project').

Communication

- A.1.2 Develop and implement a stakeholder communications plan.
- A.1.3 Display the name and contact details of persons accountable on the site boundary.
- A.1.4 Display the head or regional office information on the site boundary.

Management

- A.1.5 Develop and implement a dust management plan.
- A.1.6 Record all dust and air quality complaints, identify causes and take measures to reduce emissions.
- A.1.7 Record exceptional incidents and action taken to resolve the situation.
- A.1.8 Carry out regular site inspections to monitor compliance with the dust management plan and record results.
- A.1.9 Increase site inspection frequency during prolonged dry or windy conditions and when activities with high dust potential are being undertaken.
- A.1.10 Agree dust monitoring locations with the local authority and instigate monitoring three months in advance of works commencing in the area.
- A.1.11 Plan site layout so that machinery and dust causing activities are located away from receptors, as far as possible.
- A.1.12 Erect solid screens or barriers around dusty activities or the site boundary at least as high as any stockpile on-site.
- A.1.13 Fully enclose site or specific operations where there is a high potential for dust production and the site is active for an extensive period.
- A.1.14 Avoid site runoff of water or mud.
- A.1.15 Keep site fencing, barriers and scaffolding clean using wet methods.
- A.1.16 Remove potentially dusty materials from site as soon as possible.
- A.1.17 Cover, seed or fence stockpiles to prevent wind whipping.
- A.1.18 Ensure all vehicles switch off engines when stationary.

- A.1.19 Avoid the use of diesel- or petrol-powered generators where possible.
- A.1.20 Produce a Construction Logistics Plan to manage the delivery of goods and materials.
- A.1.21 Only use cutting, grinding and sawing equipment with dust suppression equipment.
- A.1.22 Ensure an adequate supply of water on-site for dust suppressant.
- A.1.23 Use enclosed chutes and conveyors and covered skips.
- A.1.24 Minimise drop heights from conveyors, loading shovels, hoppers and other loading or handling equipment and use water sprays on such equipment where appropriate.
- A.1.25 Ensure equipment is readily available on-site to clean up spillages of dry materials.
- A.1.26 No bonfires or burning of waste materials.

Earthworks

- A.1.27 Re-vegetate earthworks and exposed areas/soil stockpiles to stabilise surfaces as soon as practicable.
- A.1.28 Only remove the cover in small areas during work and not all at once.

Demolition

- A.1.29 Incorporate soft strip inside buildings before demolition (retaining walls and windows in the rest of the building where possible, to provide a screen against dust).
- A.1.30 Ensure water suppression is used during demolition operation.
- A.1.31 Avoid explosive blasting, using appropriate manual and mechanical alternatives.
- A.1.32 Bag and remove any biological debris or damp down such material before demolition.

Construction

- A.1.33 Ensure sand and other aggregates are stored in bunded areas and are not allowed to dry out, unless required for a particular process.
- A.1.34 Ensure bulk cement and other fine powder materials are delivered in enclosed tankers and stored silos with suitable emissions control systems.

Trackout

- A.1.35 Use water assisted dust sweepers on the site access and local roads.
- A.1.36 Avoid dry sweeping of large areas.
- A.1.37 Ensure vehicles entering and leaving the site are covered to prevent escape of materials.
- A.1.38 Record inspection of on-site haul routes and any subsequent action, repairing as soon as reasonably practicable.
- A.1.39 Install hard surfaced haul routes which are regularly damped down.
- A.1.40 Install a wheel wash with a hard-surfaced road to the site exit where site layout permits.
- A.1.41 The site access gate to be located at least 10m from receptors where possible.

