

What is expected regarding monitoring (from Code of Construction Practice)?

Construction Controls

Noise, Vibration, Dust

- Code of Construction Practice
- Control of Pollution Act (1974), Section 72
- Environmental Protection Act (1990), Section 79
- Local Authority Environmental Health
- Section 61 approval for work causing significant noise etc

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13 Noise and vibration

13.1 Noise and vibration management – general provisions

13.1.1 Best practicable means (BPM) will be applied during construction works to minimise noise (including vibration) at neighbouring residential properties and other sensitive receptors (including local businesses and quiet areas designated by the local authority) arising from construction activities.



Construction Controls

Water

- Mapping of all water resources within 1km
- Control of water pollution (CIREA regulations)
- C532: from construction
- C648: from linear construction projects
- BS6031: Code of Practice for earthworks – drainage
- Environment Agency's Planning Policy Guidance
- PPG1: Prevention of pollution
- PPG2: Above ground oil storage tanks
- PPG5: Works and maintenance in or near water
- PPG23: Maintenance of structures over water

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16 Water resources and flood risk

16.1 Surface water and groundwater management – general provisions

16.1.1 The nominated undertaker will require its contractors to manage their site activities and working methods to protect the quality of surface water and groundwater resources from other adverse effects, including significant changes to the hydrological regime through controls to manage the rate and volume of run-off. Monitoring systems will be employed during the construction works and there will be emergency procedures in place in the event of any pollution incidents. BPM will be used (e.g. through the use of silt traps and the re-use of water in wheel washers). Where required, the contractor will include arrangements to obtain appropriate approval for works from the relevant regulatory body or statutory undertaker which could affect any surface water or groundwater resource.



Construction Controls

Lighting

- Institute of Professional Lighting Guidance (reduction of obtrusive lighting)
- BS 5489: Code of practice for road lighting
- Lighting controls as part of Environmental Minimum Standards

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5.4 Site lighting

5.4.1 Site lighting and signage will be provided to enable the safety and security of the construction sites. It will be at the minimum luminosity necessary and use low-energy-consumption fittings. Where appropriate, lighting to site boundaries will be provided and illumination will be sufficient to provide a safe route for the passing public. In particular, precautions will be taken to avoid shadows cast by the site hoarding on surrounding footpaths, roads and amenity areas. Where appropriate, lighting will be activated by motion sensors to prevent unnecessary usage. It will comply with the *Institute of Lighting Professionals' Guidance notes for the reduction of obtrusive light* and the provisions of BS 5489, *Code of practice for the design of road lighting*, where applicable.

Extract from the HS2 Routewide Traffic Management Plan (RTMP)

8.8 Winter access to construction sites

- 8.8.1 Principal Contractors will need to consider the routes that highway authority gritters and snowploughs follow and the likelihood of routes between strategic routes and construction sites not being prioritised and develop snow and ice response plans accordingly.
- 8.8.2 Discussions will be held with local highway authorities concerning planned gritting routes, to ensure that diversion routes (or temporary highways being used to substitute) which are on gritting routes are considered by the highway authority. Initially this will be led by HS2 and handed over to the relevant Principal Contractors.