



THE WINVIC WAY

Air Quality Plan

P20-023 – Hoyland Common, Barnsley



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1. Scope

This document makes reference to the various documents that have been submitted and accepted during the planning approval process.

This document is intended to draw the Air Quality monitoring measures contained within the Winvic Construction Environmental Management and Construction Phase Plans to provide a single document that consolidates the Winvic proposals contained within the CPP and DMP.

2. Project Description

Hoyland is a small village situated within the town of Barnsley, South Yorkshire and is historically a mining town. On the site there is an area of completed and backfilled open cast coal mining operations. This area has been backfilled for decades. As well as the ex-opencast mining backfill areas, there is also a high wall structure which is the separation line between the backfill and the natural ground.

The 'works' is to cover the infrastructure Section 278 and Section 38 works for the scheme. This is to include earthworks, monitoring and enabling works for industrial unit construction. The unit construction and erection will then follow on from the enabling works and earthworks infrastructure package.

The Section 278 and Section 38 works are to run along Sheffield Rd, through former agricultural land (opencast mining site before that) and crossing Tankersley Lane (which will be closed from the Hoyland side). There is also a section of the new carriageway that passes through an area currently being used as a sports track and sports field before connecting to an existing Highway England Roundabout at the M1 Junction 36.

3. Roles and Responsibilities

The site based Air Quality Manager Sam Vickers will be appointed by Winvic will hold overall responsibility for the Air Quality Monitoring Plan and any community or third-party liaison with regard to air quality issues. The main duties of the Air Quality Manager are contained within section 8.3 the Winvic Construction Environmental Plan and can be summarised as follows –

- Comply with the Dust Management Plan
- Install monitoring equipment as detailed in the CEMP - Section 8.3.2
- Review Monitoring data to ensure mitigation measures put in place are working effectively
- Maintain a log of all Air Quality data
- Compile and maintain a log of Air Quality complaints including details of how the complaint has been closed out and satisfied and when it was signed off by Developers Air Quality Consultant
- Provide an Air Quality Report to be made available at the Monthly Progress Meeting
- Review all Method Statements and Risk Assessments for works within any dust sensitive areas

The Air Quality Manager will be appointed by the Project Manager as the site-based representative. Both will be involved with the construction works throughout the project.

Further project specific responsibilities regarding dust management at the site will include:

- Preparation and management of the Air Quality Monitoring Plan reporting regime
- Monitor the works programme and any external factors that may influence the Air Quality Monitoring Plan to modify the Plan accordingly
- Regular monitoring of the site, site perimeter and surrounding area for dust deposition
- Investigate dust or air quality complaints and maintain the complaints log
- Ensure that adequate protective measures are available to prevent the spread of dust

4. Potential source of dust

The following construction activities have been identified as high-risk dust generators which will directly affect the Air Quality

- Earthworks
- Site vegetation clearance
- Processing of felled trees/hedgerows etc
- Dynamic Replacement Works
- Excavation during drainage works -
- Excavation during foundation works
- Delivery and unloading of bulk aggregate materials
- Block paving works
- Landscaping works including topsoiling
- Cutting and grinding during hard landscaping works.
- Concrete products cutting
- Increased traffic due to deliveries and/or increased numbers of site operatives and their vehicles

5. Dust minimization measures

As detailed within the Winvic Construction Environmental Plan, the following dust minimisation measures will be adopted.

- Just In Time deliveries to maintain improved material storage and minimise material handling
- Early and progressive construction of the concrete service yards and tarmac areas to cap unprotected ground
- Stone capping to exposed ground uncovered in the course of the works
- Planting or seeding to landscaped areas and topsoil stockpiles
- Minimising dry sand and cement material deliveries to site through the bulk procurement of ready mixed concrete and mortar
- The installation of a wind sock to identify the direction and likely receptors of air borne dust
- The use of water suppression to exposed ground and stockpiles of dust generating materials
- Adopting water assisted road sweeping equipment
- Utilising wet techniques for concrete and masonry cutting
- The use of screens as appropriate up wind of dust generating work areas
- Storage of materials within designated lay down areas as far away from the receptors as the construction phases allow

6. Potential Receptors and Equipment

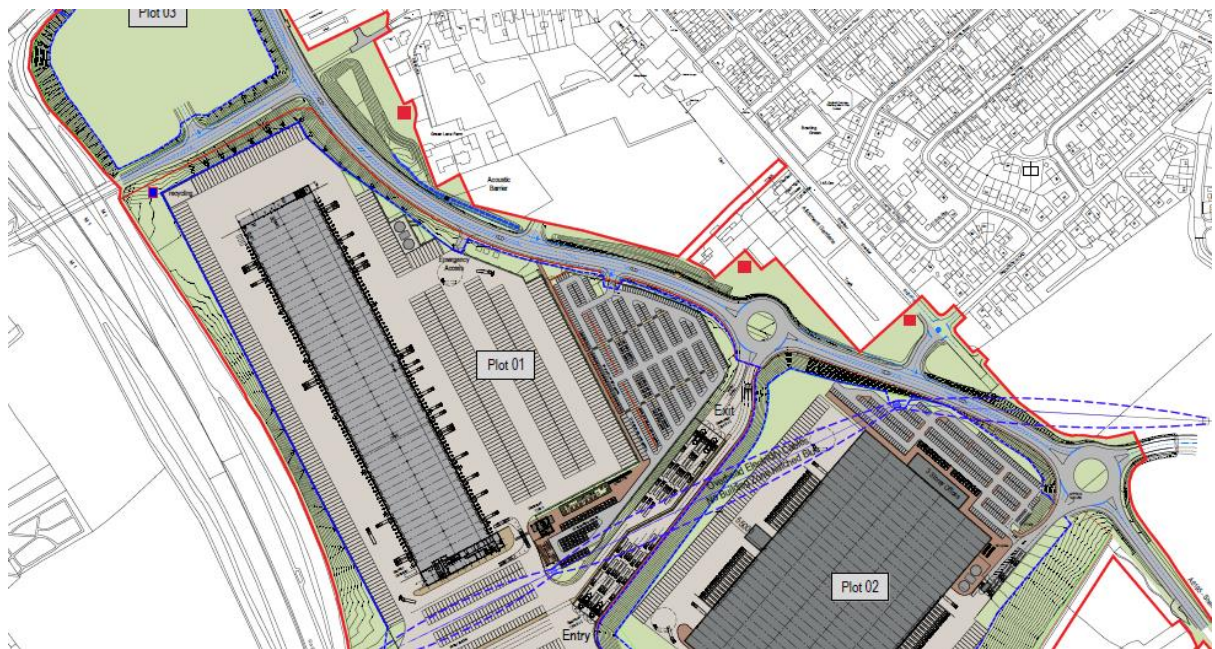
External Parties and Facilities

A desk top study has been conducted to identify likely receptors of airborne dust within 100m of the site perimeter. The following premises have been identified as risk areas and will be subject to liaison with the Management of each of the premises to agree regular visual inspection.

- Residential property opposite the construction area
- Primary School
- Neighbouring retail/industrial units
- Vehicular traffic moving along the site access and entering and exiting via the M1 J36



In the above sketch, the potential receptors for any Air Quality impact from the project are highlighted. These areas include a school, a community centre, small businesses, and residential properties.



Considering the potential receptors, Winvic will situate 3 No Air Quality monitors at the extent of the site close to the receptors (illustrated above as solid red squares).

At these locations there will be monitoring equipment as stated in the Winvic CEMP Section 8.3.2.

7. Emergency measures

In the event of an unforeseen circumstances resulting in the creation of excessive dust emissions, the following measures will be adopted appropriate to the nature of the emergency –

- Proportionate suppression will be deployed to the site side of the affected boundary to contain further spread
- The source of the dust will be identified and contained
- Residual material will be collected and stored appropriately
- Management of nearby likely receptors will be contacted to alert them of the incident
- An inspection of likely receptors will be undertaken, and the findings will be recorded
- Where appropriate the Enforcing Authority will be notified in accordance with our Statutory obligations
- The Air Quality Manager will complete an Incident Investigation
- The Air Quality Monitoring Plan will be updated to take account of the investigation findings

A full and comprehensive list of mitigation measures are situated within the CEMP Section 8.3.5

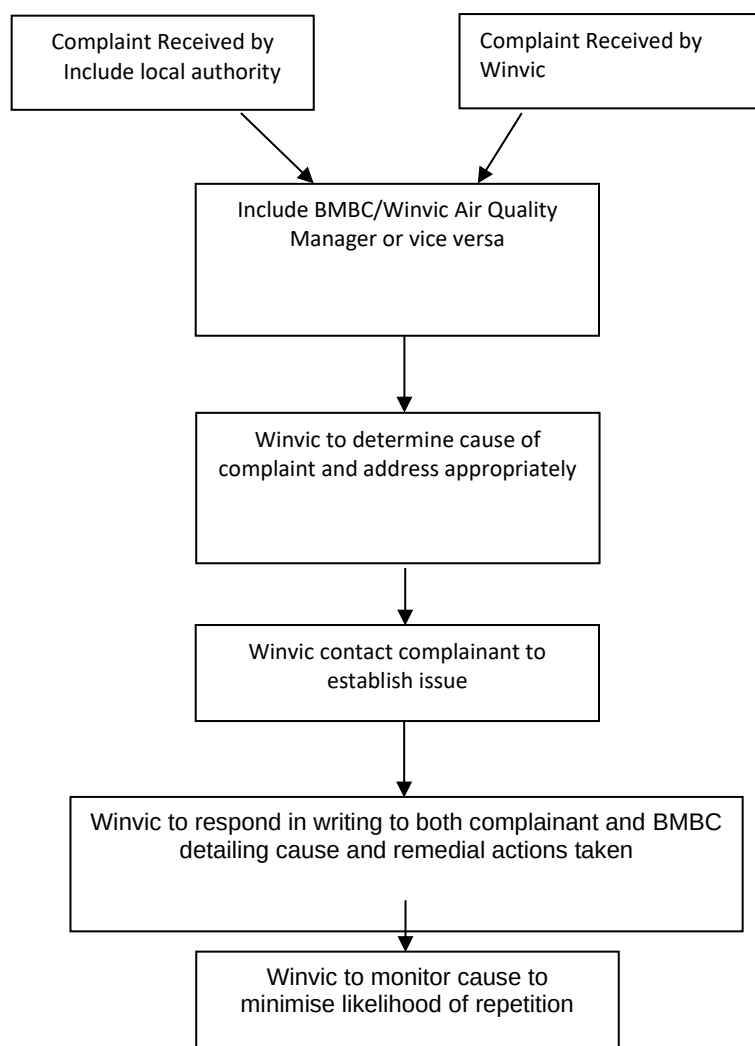
8. Incident reporting and complaints

The Winvic HSEQ procedures include an Incident Investigation on the info-tracker database that will be used for the reporting of incidents falling within the scope of the DMP.

- All incidents will be investigated by the Air Quality Manager to understand the cause of the incident and any corrective action taken.
- The Air Quality Monitoring Plan will be updated to take account of the investigations findings to prevent reoccurrence
- A record of all Incidents will be logged within the CPP and included within the Contractors Reports
- Where appropriate the Air Quality Manager will notify the relevant Enforcing Authority in accordance with our Statutory obligations

Should any dust related complaint be made, the procedure detailed within Figure 1 will be followed and the investigation process outlined above will be implemented when appropriate

Figure 1 Complaints Procedure



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