

B3 Impact on the Environment

B3.1 Assessment of Potential Local Environmental Effects

Doc Reference: TBC

The proposed installation will operate as an asphalt production and supply facility. The principal emissions to air associated with the installation arise from the heating and drying of aggregates and the handling, storage and transfer of raw materials and finished asphalt products.

The main potential environmental impacts include:

Particulate emissions (dust):

- From aggregate drying and combustion processes.
- Controlled via a high-efficiency baghouse filtration system designed to achieve particulate emission concentrations compliant with relevant Process Guidance Note (PGN 3/15 – Asphalt Processes).
- Dust may also arise from aggregate handling, stockpiles and vehicle movements; these will be controlled through good housekeeping practices, site surfacing and water suppression where required.

Combustion emissions:

- Emissions such as nitrogen oxides (NO_x), carbon monoxide (CO) and carbon dioxide (CO₂) arise from the combustion process used to heat the aggregates.
- The burner will be operated and maintained to ensure efficient combustion and minimise emissions.

Odour:

- Potential odour emissions from bitumen storage and mixing processes.
- These will be controlled through enclosed processes, appropriate storage temperatures and the use of modern plant design.

Fugitive emissions:

- Dust from aggregate handling, vehicle movements and stockpiles.
- Mitigation measures include:
 - Hard surfaced traffic routes
 - Regular site cleaning
 - Covered conveyors where appropriate

- Controlled material handling procedures.

Noise:

- Noise sources include plant machinery, mobile plant and delivery vehicles.
- These are typical of industrial operations and will be controlled through plant design, operational management and compliance with local authority planning conditions.

The installation is located within an established industrial area and is not expected to cause significant adverse environmental impacts when operated in accordance with the permit conditions and the environmental management procedures described in this application.

There is no known history of environmental complaints associated with the site.

B3.2 Sites of Special Scientific Interest / Protected Sites

Within 1 km of the installation:

No designated Sites of Special Scientific Interest (SSSI), Special Protection Areas (SPA), Special Areas of Conservation (SAC) or Ramsar sites have been identified within the relevant distance criteria applicable to this installation.

No

(If Sandwell later identify one nearby we can tweak wording.)

B3.3 Impact on Protected Sites

Doc Reference: DA-OLD-ENV-02

As no SSSI or European protected sites have been identified within the relevant screening distance of the installation, it is considered that the operation of the installation will **not have any significant effect on protected habitats or conservation sites.**

The installation incorporates emission control measures including:

- High efficiency baghouse filtration
- Controlled combustion processes
- Dust management procedures
- Site housekeeping and operational controls

These measures ensure emissions remain within regulatory limits and therefore pose **no significant risk to ecological receptors.**

B4 Environmental Statements

B4.1 Environmental Impact Assessment

An Environmental Impact Assessment (EIA) has **not been required** for the installation under the Town and Country Planning (Environmental Impact Assessment) Regulations.

No

The development has been assessed through the planning process and the environmental controls proposed within this permit application ensure compliance with relevant environmental legislation.

B5 Additional Information

Doc Reference: TBC

Dragon Asphalt Ltd operates modern asphalt production facilities across the UK and has extensive experience in managing environmental impacts associated with asphalt manufacturing.

The proposed Oldbury installation will operate in accordance with recognised best practice and the requirements of:

- Environmental Permitting (England and Wales) Regulations 2016
- DEFRA Process Guidance Note **PGN 3/15 Asphalt Processes**
- Relevant Health, Safety and Environmental legislation

Key environmental management measures include:

- High efficiency dust abatement via baghouse filtration
- Preventative maintenance programme for plant and emissions control equipment
- Environmental management procedures covering dust, noise and odour control
- Staff training in environmental awareness and operational procedures
- Regular inspection and monitoring of emissions and site conditions

Dragon Asphalt Ltd is committed to continuous environmental improvement and ensuring the installation operates in a manner that protects both the local environment and neighbouring receptors.