

B2.004

Non Technical Summary of Application

Lotus Cars Limited have occupied the site since taking over from Sports Carrier Limited in approximately 2010. Lotus Cars Limited currently operate an installation where aluminium parts are surface treated for corrosion protection to the automotive industry.

Sport Carrier Ltd occupied the site from 1997 until Lotus's inception. Prior to 1997 the occupants were Sigmaform UK Ltd who produced extruded plastic parts for the Electronics Industry.

The site is situated in an industrial estate location and in the main is concreted over, with grass lawns to the front of the building facing on to Sywell Road and shrub borders to the side. The front part of the building comprises of the entrance hall and offices. The rear of the facility leads on to Faraday Close and this is used as the goods receiving/goods despatch area.

The application has arisen due to a change in activities undertaken within the installation. A visiting inspector for Wellingborough District Council (Mr David Bass) identified on a routine visit that Lotus Cars Limited may be operating outside the conditions of their existing A2 permit. The basis for this assessment was that the business had previously removed a spray paint line used to coat anodised parts from the installation. The removal of the paint line has seen the removal of the Part A2 or B supporting operation to the principal Anodising activity. This removal means the installation now requires an A1 PPC permit under the regulatory definition.

The relevant technical standard which governs the Anodising process is provided by the Environment Agency - [The Surface Treatment of Metals and Plastics by Electrolytic and Chemical Processes \(EPR 2.07\)](#).

In respect of pollution potential Lotus Cars Limited has identified the points of emission from the installation (see supporting document B2.002b). A consent to discharge is in place with Anglian Water to govern trade effluent release. Internal monitoring of discharge is undertaken daily with unscheduled sampling performed by Anglian Water to monitor compliance. A filter cake press exists prior to discharge to remove the solids from the discharge water. The resulting filter cake solid waste is removed from site to landfill as non-hazardous waste.

In respect of air pollution B2.002b identifies the emission points to air. These are from:

- the gas burners on site used for process heating applications (the TX40 type on this link- <https://www.lanemark.com/wp-content/uploads/2018/07/TX-Burner-Data-Sheet-2018.pdf>); and
- principally from the Sulphuric acid and Sodium Hydroxide treatment tanks.

The air is extracted via local exhaust ventilation from the top of the process tanks in the form of lip extraction and then sent into a wash box scrubber where contaminants are captured in water. The resulting emission from the stacks is predominantly water mist with <0.04mg/m³ Sodium Hydroxide and <0.10mg/m³ Sulphuric Acid respectively (see B3.004 Redwings Emissions Report).

Inside the facility bunding is used to seat IBC's and other chemical drums onsite. The anodising tanks are surrounded by a bund wall.