



## **FLOOD RISK ASSESSMENT**

for

**PROPOSED NEW REFRIGERATION PLANT**

at

**Co-op Petrol Dearnside, The Cross, Silkstone, Barnsley, S75 4LX**

25<sup>th</sup> November 2019

## **PROPOSED PERMANENT STORAGE FACILITY**

### **FLOOD RISK ASSESSMENT**

This report is submitted in accordance with PPG25 after investigating Environment Agency flood mapping data.

The site is located on the A628 Barnsley Road near Silkstone. The site is located within flood zone 3 therefore this assessment is required.

The site location is a rural location and the Silkstone Beck is approximately 20m from the site and the Environment Agency flood mapping data shows that the site is under threat from flooding in and there are minimal forms of defence in place.

### **PROPOSED DEVELOPMENT**

The work that forms the application is for the installation of new refrigeration plant on new concrete bases to the rear of the store.

The proposed new plant is elevated above ground level on a new concrete base. It is noted that the plant could be at risk of flooding based on the above flood levels. It is therefore recommended that it is constructed of suitably flood resistant materials.

The proposed works are on a developed site. The proposals will have a negligible impact on the surface water drainage regime as water will drain into the existing channel drainage. This will ensure there is no or minimal increase in runoff from the site.

It is considered that flood risk associated with this development is low and should not preclude the granting of planning permission.

