

## **DP-SK 001: Non-Technical Summary**

The Dovecote Park Abattoir at Skellingthorpe is an existing permitted facility for the slaughtering of animals and carcass production.

The slaughter wastewater comes from the pre-slaughter washing water, the post-slaughtered meat and viscera cleaning water, and the slaughter equipment and workshop floor flushing water. The slaughter and production wastewater produces large changes in quality with the seasons, high organic content, good biodegradability, solid suspended solids content. The slaughter wastewater contains some blood (majority collected separately), grease, hair, meat scraps, partial contents from washed internal organs, and is organically biodegradable through a wastewater treatment system.

This permit variation application is for the addition of an effluent treatment plant to treat the effluent produced from the onsite activities and the discharge of treated wastewater into the surface water known as Skellingthorpe Main Drain.

The site currently disposes of the effluent to an outside contractor for use in landspreading activities but with the addition of the effluent treatment plant this avoids the need to outsource and the associated untreated storage. Connection to the local sewerage undertaker has been sought but Anglian water have refused connection into the public sewer due to not having the biological capacity to treat the proposed flow effectively. Therefore, a permit variation has been submitted for treating the abattoir wastewater on site and discharging treated wastewater into Skellingthorpe Main Drain.

The effluent treatment plant will have a sampling and measurement chamber to ensure the effluent meets the discharge parameters for the watercourse. A surface water risk assessment undertaken ensuring current water quality does not deteriorate more than 10% for Biochemical Oxygen Demand, a concentration considered permissible for discharge according to the H1 Annex D2 guidance set by the Environment Agency.

There is no proposed change to the standards currently adhered to within the operation of the permitted activities as effluent is already being produced onsite. There are no proposed changes to any other aspect of the operation of the facility.

The odour management plan has been updated to cover the addition of an effluent treatment plant only. For the environmental risk assessment, see original from application. The environmental risk assessment has been updated to cover the addition of the effluent treatment plant however risk has not altered and therefore does not supersede the original risk assessment as approved previously.