



# SCA Hygiene de-inking plant

SCA Hygiene proposed to construct a new paper de-inking plant at their Oakenholt site in North Wales to allow the use of recycled paper within their tissue products. The de-inking plant is essentially a washing plant. The process selects longer paper fibres for better paper quality and removes clays, inks and dyes. The de-inking process increases the water usage and requires a major upgrading of the water treatment plant (WTP) on site. The WTP removes the clays other solids which are then de-watered into crumble which can be disposed of by land spreading.

The de-inking plant itself is not odorous, but sludge handling, storage and treatment is potentially so. Open storage and settlement tanks could also be a source of odour. The Oakenholt site is within 50m of houses and SCA needed to ensure that odour from the new WTP would not cause annoyance to their neighbours.

The sources of odour were quantified by sampling odour potentials in the influents, sludges and crumbles at similar works.

Odour concentration at nearby dwellings was predicted using ADMS 3.2.

The study concluded that odour from the works was unlikely to cause annoyance and would comply with Environment Agency Guidelines.

A series of odour control measures were proposed for the design and operation of the works.

This assessment also considered the potential air quality impacts from a new boiler plant both on humans and sensitive ecosystems.

