

Doc B2.6 Non-technical summary

This food processing installation located at Grid reference SJ 31802 71508 covers 3.2Ha on the Deeside Industrial Park located South of the A548 and to the Northeast of Connahs Quay town centre and the River Dee. The installation is bounded by commercial and industrial units with closest residential property in Garden City 2km to the South-east. There are sites of special scientific interest to the Northwest including Inner Marsh Farm 2 km and the Dee Estuary 2.5km. Both sites are special protection areas (SPA) and the Dee estuary is also a special area of conservation (SAC) and a Ramsar site.

The installation manufactures chilled and frozen ready-to-eat foods. It is currently a jointly owned and operated subsidiary of Wm Morrison Supermarkets PLC and Cranswick PLC. The installation has been processing and packing cooked-chilled meats for several years and further physical expansion of the site buildings and addition of processing equipment is increasing its capacity to 75 tonnes per day. The operators mix chilled and frozen meats with ambient ingredients and water filled into plastic casings or moulds and pasteurised with steam (processing) in batch ovens. Cooked meats are chilled, sliced and packed into modified atmosphere packaging to extend shelf-life.

The installation has packaged combustion plant directly associated with processing including boilers for raising steam, hot water boilers and roasting and smoking ovens. Aggregated thermal input is approximately 4 MW and each has exhaust flues on the factory roof with emissions to air. The installation has a purpose-built drainage system with sealed joints and catch-pots fitted inside factory drains to reduce solids in trade effluent and a package dissolved-air flotation (DAF) plant to remove suspended solids, fats and grease from trade effluent prior to discharging into the sewer for treatment at sewage treatment works. There is separate drainage for roof water and surface water discharging into the surface water sewers to balance ponds on the industrial park. The EPR-H1 horizontal guidance notes published by the Environment Agency have been used to assess environmental impacts to amenity, emissions to surface water, air, waste disposal and global warming potential.

The permit will likely require variations in the short-term on account the operators plan to continue investing in the plant and anticipate replacing boilers and changing multiple HCFC refrigeration to a larger ammonia system in the near future.

