

Non-Technical Summary

The application is for a 7.102MW(Th) input Combined Heat and Power (CHP) plant comprising two identical units. The CHP plant will consume natural gas to power a reciprocating engine / generator, the electricity produced will be wholly consumed by the adjacent food processing installation which it serves. Heat exchangers will be used to collect waste heat from the engine, this will be used to heat a thermal oil ringmain operated by Young's Seafood Limited serving the wider facility.

Pre-application consultation with the EA confirmed that as the operator is a separate legal entity to that operating the existing permitted installation Young's Humberstone Road (EPR/BQ1972IR) that the plant is to serve (providing 100% of the heat and power) that the application should reference that it is a 'Multi Operator Installation' (MOI) where the activity is a Directly Associated Activity. The CHP will be owned and operated by YSF Energy Centres Ltd.

The main potential impact from the activity is the release of combustion gases from the operation of the CHP units. Results of air dispersion modelling taking account of all sources of combustion gases across the wider installation show that predicted pollutant concentrations were below the relevant Environmental Quality Standards (EQS) at all locations for all meteorological data sets modelled. Resultant impacts were classified as not significant for all human receptors. Impacts were also modelled at relevant ecological sites. The results indicated that emissions from the plant were not predicted to significantly affect existing conditions at any designation.

It is concluded that the addition of the CHP to the wider installation will be managed sufficiently so as to present a low ongoing risk to the environment.