

PPC/A/5009808 – Application for PPC Permit – Non-technical summary

The Energy Centre, Aberdeen

The Energy Centre facility will produce hydrogen by the electrolysis of water.

The Energy Centre has two 500kW hydrogen electrolyser units that may be used to produce up to 400 kg per day of hydrogen. The produced hydrogen is compressed and stored onsite within transport compliant containers. All hydrogen produced will be transported off-site for dispensing into the hydrogen bus fleet.

Water supply - water is supplied from the Scottish Water mains supply.

Electricity for the electrolysis process is provided via a connection to the national grid.

Water emissions – wastewater from the hydrogen production installation will be discharged to Scottish Water sewer.

Air emissions – the hydrogen manufacturing process will release oxygen on a continuous basis and hydrogen and nitrogen during start-up and shutdown periods.

Odour – the hydrogen manufacturing process is not expected to be odorous.

Noise - the hydrogen manufacturing process equipment is located in enclosures so should not cause noise nuisance.

SEPA has assessed the application and considers that the proposal meets the requirements of the Pollution Prevention and Control (Scotland) Regulations 2012 and as such is minded to issue a permit.