Notice: RH9 8DE, Island Gas Limited: environmental permit application advertisement

The Environment Agency consults the public on certain applications for waste operations, mining waste operations, installations, water discharge and groundwater activities. The arrangements are explained in its Public Participation Statement

These notices explain:

- what the application is about
- where you can visit to see the application documents
- when you need to comment by

The Environment Agency will decide:

- whether to grant or refuse the application
- what conditions to include in the permit (if granted)

Notice: WN2 2PP, FCC Waste Services (UK) Limited: environmental permit issued

The Environment Agency publish permits that they issue under the Industrial Emissions Directive (IED).

This decision includes the permit and decision document for:

- Operator name: FCC Waste Services (UK) Limited
- Installation name: Kirkless Materials Recycling Facility
- Permit number: EPR/DB3601GP/V002

Press release: Restoring fifty

hectares of rare and threatened habitats in Doncaster to benefit all

Almost 50 hectares of nationally-important habitat is being restored in Doncaster as part of an Environment Agency-led project benefiting communities and wildlife.

The work across seven woodland areas, including two Sites of Special Scientific Interest (SSSI), will help improve water quality, reduce flood risk, and enhance natural habitats for protected species.

Beginning in September last year, the Inspiring Water Action in the Torne project is creating, restoring and improving up to 46.5 hectares of wet-woodland priority habitats – and involving local communities in doing so.

The 46.5 hectares represents 11 per cent of the Environment Agency's national target for habitat creation.

Measures include selectively thinning the woodland, re-wetting areas that have dried out, improving access for visitors, and sowing native plants that will help filter pollutants from the environment.

As well as providing for one of the nation's most threatened bird species – the Willow Tit – the restored wet-woodland will act as a natural aid to reducing flood risk by creating more room for water.

The estimated 4,000 cubic metres of extra storage space will help naturally interrupt and soak up the flow of rising waters, reducing the risk to around 1,000 nearby properties, as well as to agricultural land.

This will lessen the reliance on the Keadby Pumping Station, bringing down the carbon and financial costs of using it to artificially drain excess water from the River Torne into the River Trent.

David Newborough, Environment Agency catchment co-ordinator, said:

> Our role is to create better places for people and wildlife. This project is a perfect example of how we can achieve that through simple measures that deliver many benefits.
>
> By restoring wet woodland to a state that's closer to how nature intended, we're protecting vital habitat, providing for threatened species, creating spaces that everyone can enjoy, and reducing the risk of flooding, all in one go.

Communities across the area are involved in making the project a success, with volunteers and school children taking active roles.

Around 600 children and young people across seven schools, each linked with one of the woodland sites, are using the project to learn first-hand about flood risk, water quality and management, and ecology.

David continued:

> Working with school children is one of the most exciting and rewarding aspects of this project.
>
> They are directly involved in understanding and protecting our natural environment, which is essential for its future. And their enthusiasm for the difference they can make is great to see.

Some of the work is being carried out by volunteers, who are learning new skills in the management of woodland habitats. These skills will help them maintain the improvements into the future.

The £100,000 project, which includes work at Potteric Carr Nature Reserve SSSI, Holmes Carr Wood, Tickhill Low Common, Bog Wood, Bessacarr Bank, Sandall Beat Wood SSSI and Rossington Brick Pond, is expected to bring benefits valued at around £1m.

Inspiring Water Action in the Torne is a Torne Catchment Partnership project led by the Environment Agency and involving Yorkshire Wildlife Trust, Doncaster Metropolitan Borough Council, Natural England and local communities.

Research and analysis: Making better use of local data in flood frequency estimation

Flood frequency estimates are an essential part of flood risk management. They tell us what flood flows are expected to occur for a given rarity. They are central to many important decisions, such as the design and operation of flood defences, flood mapping, informing planning decisions in flood risk areas and long-term investment planning.

Methods described in the Flood Estimation Handbook (FEH) published in 1999, and its many subsequent updates, are considered the industry standard for flood estimation in the UK. They are used extensively by hydrologists from both the public and private sectors.

Flood frequency estimates (also known as design flood estimates) are associated with many sources of uncertainty. These hydrological uncertainties

are often the most uncertain component in any flood risk assessment. As a result, any reduction in the uncertainty of flood frequency estimation has considerable benefit. One way to reduce uncertainty is to incorporate complementary local data to refine the results obtained using the FEH methods.

Research and analysis: Accounting for residual uncertainty: an update to the fluvial freeboard guide

The Environment Agency has developed a new guide that will help flood risk managers identify and manage the uncertainty in their flood risk assessments and flood defence designs.

This new guide replaces the Environment Agency’s Fluvial Freeboard Guidance Note (report W187) published in 2000. It is written for all flood risk management authorities, developers, and engineering consultants who work on their behalf.