



01/01 Derwent Cogeneration Plant

PROJECT MAIL

Location:	Derwent Power Station, Derby, Midlands, UK
Customer:	Scottish & Southern Energy Eddison Mission Energy Acordis
Product:	Enviropeel



The Derwent cogeneration plant is a jointly owned facility that provides electrical power for the National Grid while at the same time providing steam for the Acordis acetate production plant.

The plant is gas powered and the British Gas pipeline enters the site via a series of flanges and valves which, despite regular maintenance, suffer from corrosion at the flange faces, areas which are inaccessible to normal maintenance procedures.

The owners of the plant, who are responsible for maintenance of the pipeline, decided that the 70 flanges and valves, varying in size from 4" to 24", had to be protected, choosing Enviropeel because of its unique success in such areas.

The surface area needed no preparation as it had been recoated within the previous six months, only requiring the areas to be wiped clean. Ambient temperatures below freezing and a high wind-chill factor were the major challenges.

Above left is a picture of the Derwent plant, a modern energy-saving installation in the East Midlands of England.

The picture below shows the variety of flanges and valves that had to be protected



The flange above shows rust products streaming from between the faces, despite recent repainting. The same area is shown below, safe from rust for many years.





Large voids are filled with VCI foam prior to the application of Enviropeel. The pictures show three stages in the application process.



The photos above and below show completed areas. The Enviropeel material used on the site was in its natural translucent form (although it is available in a variety of colours), making it practically invisible on the beige coloured pipes.

Pictured right is the Enviropeel application machine.

