

[Home](#) | [Environment](#) | [Index](#)

## **Consents given under the Petroleum Act 1998 and Reviews under the Assessment of Environmental Effects Regulations 1999**

### **Granby Oil and Gas Plc**

#### **Tristan NW Field Development 49/29b**

##### **Block 49/29b to the Davy NUI in Block 49/30**

#### **Background**

Granby Oil & Gas plc intends to develop the Tristan NW Field in Block 49/29b as a subsea tie-back to the Davy NUI in Block 49/30. The development will consist of a single subsea well tied back via a 15.5 km pipeline to the Davy NUI. On Davy, the Tristan NW gas will be commingled with Davy fluids and then sent to the Inde 23A platform via an existing 50km pipeline. On completion the Tristan subsea well and infrastructure will be monitored, controlled and operated by the existing Davy control systems which ultimately lead to Bacton.

The subsea infrastructure installation is expected to commence in August 2007. The pipeline & umbilical installation is scheduled to commence in September, with drilling scheduled to commence in November 2007.

Both Water Based Mud (WBM) and Synthetic Oil Based Mud (SOBM) will be used. Approximately 859 tonnes of WBM and cuttings will be discharged into the marine environment. All SOBM and cuttings will be contained and shipped to shore for disposal.

Daily production rates from Tristan NW are expected to produce at a rate of approximately 50MMscf/day for the first year of production, thereafter gradually tailing off throughout field life.

First gas from the Tristan NW development is expected in January 2008 with an expected field life of 4-7 years.

The 6" production pipeline and the piggybacked umbilical will be installed using a jet trenching tool supported from a dynamically positioned trenching vessel. There is a

contingency to use a maximum of 2000 tonnes of rock at various locations along the pipeline route. An upheaval buckling analysis will also be undertaken to give a more accurate estimate of the quantity of rock required.

It is unlikely that there will be a significant change under the Offshore Combustion Installation (Prevention & Control of Pollution) Regulations 2001. Granby/Perenco will provide the relevant information to enable the DTI to carry out a substantial change assessment.

### **Sensitivities**

The original environmental statement identified a range of potential environmental hazards and outlines proposed mitigation measures, including:

- Physical Presence
- Seabed Disturbance
- Noise & Vibration
- Atmospheric Emissions
- Marine Discharges
- Solid Waste
- Minor Loss of Containment

Mitigation measures are in place to ensure that impacts are kept to a minimum.

### **Recommendation**

Overall the environmental statement is satisfactory and adequately assesses the potential environmental impacts of the proposed operation. It is recommended that consent is given to the project.

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[Top of page](#)