

Mod Title: Amendment to Gas Quality NTS Entry
Specification at the St Fergus NSMP System Entry
Point



Proposer: St Fergus NSMP/BP

Panel Date: 1st December 2016

Why change?



- Rhum gas is GSMR compliant and can be up to 6.5mol% CO₂.
- NSMP Sub-terminal NEA specification is maximum 4.0mol% CO₂.
- Rhum gas flowing at high rates and commingled with all FUKA gas sources has a combined CO₂ content <2.7mol%. Without Lagan Tormore the combined export would have a composition of ~4.5 mol% CO₂ before mixing with the other St Fergus sub-terminals.
- Interruptions in Lagan Tormore production rates risk the NSMP Sub-terminal NEA specification increasing above 4.0mol% CO₂ for a few hours. This would require Rhum production to be shut in until after restart of Lagan Tormore.

Options



- Rhum currently secures delivery of low CO₂ gas from Norway to St Fergus to mitigate the problem. Due to the prohibitive cost this is not sustainable leading to the early cessation of production from Rhum and Bruce fields.
- Inclusion of processing and treatment solutions to remove the excess carbon dioxide have been considered upstream of the NTS, these would require significant investment and time to implement. Rhum would become cash negative before any project became operational.

Solution



- The modification proposes an amendment to the existing NEA to increase the CO₂ limit of gas delivered into the National Transmission System in respect of the St Fergus NSMP System Entry Point to 5.5mol% from the current limit of 4.0mol%.
- The dilution from low CO₂ (<2mol%) gas from the SEGAL sub terminal and SAGE sub terminal (<4mol%) and low CO₂ gas from Norway via Vesterled means that the export into the NTS will remain below 4% under most operating scenarios modelled.