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Hammerfest LNG Plant – Fiscal metering system

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Abstract:
Hammerfest LNG Plant is the first LNG Plant in Norway and the first offshore development in the Barents Sea. New technology has been taken in use in many parts of the this LNG-plant. Most spoken of is the subsea installation located 143 km from shore, the LNG process design as well as the CO2 re-injection to the reservoir. When it comes to the fiscal metering system the design basis was to use well proven technology which in most cases was well known within the company. However, fiscal metering competence was challenged when LNG measurement concept for the plant had to be defined.
The knowledge within fiscal metering of LNG has developed both for the company and the authorities (Norwegian Petroleum Directorate /Norwegian Metrology and Accreditation Service standards department) during the project. As part of this the Norwegian Measurement regulations were amended in December 2004.

The presentation is a short introduction to the fiscal metering system at Hammerfest LNG Plant with most of the focus on the LNG fiscal metering. Following metering stations at Hammerfest LNG Plant are spoken of in the presentation.

- Condensate metering
- LPG metering
- LNG metering
- Vapour metering
- Fuel and Flare metering

Paper will not be submitted