

## **PRINCIPLES FOR PUBLICATION ON FLOW.GASSCO.NO**

### **1. BACKGROUND**

Gassco is publishing operational information pertaining to the gas transportation system on and from the Norwegian Continental Shelf. The following information aims at giving a background for understanding the context of these messages.

The system comprises more than 7900 km of high pressure pipelines, gas treatment plants, riser platforms, receiving terminals and crossover pipelines securing a high degree of flexibility and gas routing alternatives. See a map of the system [here](#).

With this degree of flexibility and the long distance from the production units to market where the gas is delivered the physical transportation time varies between 3 and 7 days depending on flowrate and field location.

There is currently above 60 producing units delivering into the system, with variations in flow due to changing nominations and approximately 700 shutdowns (on the different fields or in the transportation system) on a yearly basis. Shutdowns with a short duration or a minor impact are dealt with through linepack, and typically around 50% of shutdowns have no volume impact, i.e. shippers are not curtailed and gas is delivered as nominated.

Some of the shippers that lift from several fields at NCS has the possibility to increase production at a field during an event on other fields and thereby compensate the consequences. In addition all shippers have a right to ask for operational flexibility, including linepack and gas from swing fields (if available), in an unforeseen event, pursuant to Regulations relating to the stipulation of tariffs etc. for certain facilities section 6.

Gassco reports outages on individual facilities within an hour after the shippers have been notified of the curtailment, hence, shippers' possibilities for compensating measures as described above are not taken into consideration.

### **2. REAL-TIME DATA**

Publication of real-time flow information, updated every 5 minutes, on gas exiting the NCS:

- Dornum
- Aggregated Europe Metering Station
- Aggregated Norpipe Terminal
- Dunkerque
- Zeebrugge
- Easington
- St Fergus/Vesterled (measured as entry Vesterled Pipeline)
- Aggregated entry Segal (Gjøa Gas Pipe and Tampen Link)

### **3. UNPLANNED EVENTS**

For unplanned incidents at a receiving terminal/exit point (as listed above under 2), on a field or at a processing plant an outage that affects the daily nomination above 5 MSm<sup>3</sup> will be published. Information on outages below this level will not be published. The following information will be provided:

Event ID / Asset affected / Message Type / Time of Publication / Start of event / End of event / Volume Impact Within-day/ Volume Impact Day-ahead / Comments

“Volume Impact Within-day” will always represent the actual gasday, updated at start of each gasday. “Volume Impact Day-ahead” will be based upon nomination before event.

When referring to a producing field, “Asset affected” refers to the field where gas enters the transportation system as a node, and the outage may be at any one or more fields/licenses delivering through the node. Volume impact is aggregated impact at the node.

Publication of unplanned outages will take place no more than one hour after the shipper curtailment.

### **4. PLANNED OUTAGES**

#### **4 a) Terminals**

Planned maintenance at receiving terminals/exit points (as listed above under 2) that affect daily booked capacity above 5 MSm<sup>3</sup> will be published, information on volume reductions below this level will not be published. The following information will be provided:

Event ID / Asset affected / Message Type / Time of Publication / Start of event / End of event / Volume Impact / Comments

Information on maintenance will be published no more than one hour after shippers have been notified of the planned maintenance.

#### **4 b) Fields and processing plants**

The Norwegian fields and processing plants undertake planned maintenance coordinated by Gassco, hence maintenance at processing plants may be carried out in parallel with upstream fields. In the table “Planned Events Fields and Processing Plants” all relevant maintenance will be published. However the figure “Aggregated Reduced Availability” shows the net impact of all maintenance listed, taking these dependencies into account.

Where planned outages on fields and in the transport system are concerned, it is important to note that planned outages do not necessarily involve a corresponding

shortage of gas. The term "volume impact" in this respect refers to the reduction in maximum available capacity at that specific field or part of the transportation system.

Information on planned maintenance with an effect above 20 MSm<sup>3</sup>/d will be published.

Information on reduced availability below this level will not be published. The following information will be provided for planned maintenance (field name will not be disclosed):

Event ID / Asset affected / Message Type / Time of Publication / Start of event / End of event / Volume Impact / Comments

Information on maintenance will be published no more than one hour after shippers have been notified of the planned maintenance.

Bygnes, 30 September 2014