



INDEPENDENT  
MARKET  
OPERATOR

# GBB Response to the Production Incident at the Karratha Gas Plant

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# Incident Summary

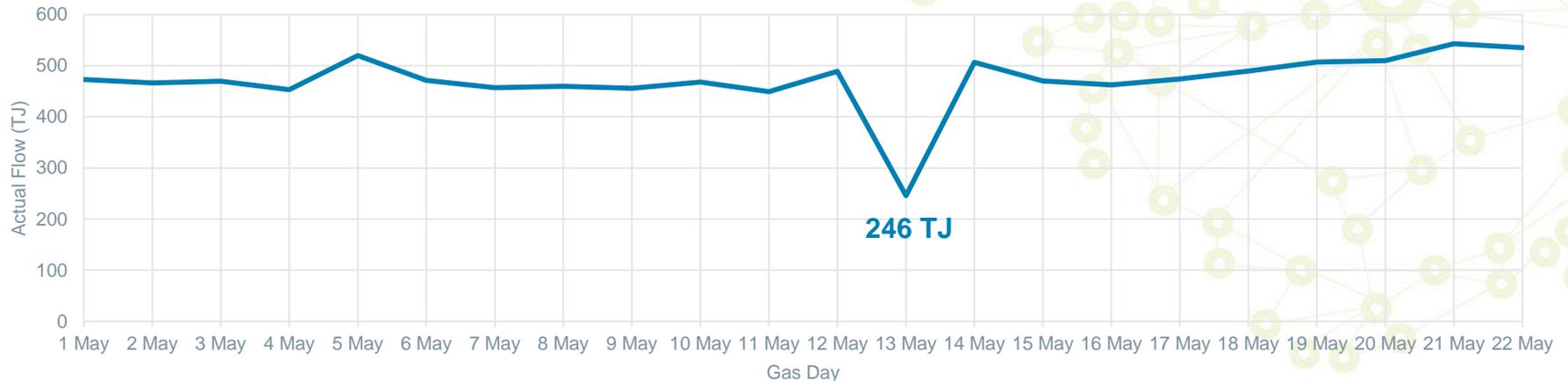
- One train at the Karratha Gas Plant (KGP) was on scheduled maintenance on 13 May.
- The PUO was aware of this in accordance with the Westplan – Gas Supply Disruption.
- The Capacity Outlook in GBB was unaffected at Nameplate of 630TJ.
- North West Shelf Gas (NWSG) confirmed that KGP entered into a controlled shutdown due to an unplanned interruption at 11:45 AM on 13 May.
- On advice that KGP had lost production, the PUO escalated the incident to Green and engaged with the relevant stakeholders to assess the situation and provide advice in accordance with the Westplan.
- The Domestic Gas Plant at KGP resumed stable production at approximately 10:30 PM, 13 May 2015.

# IMO Response

- The IMO became aware of the incident at approximately 3:00 PM on 13 May and immediately contacted key stakeholders:
  - **NWSG** confirmed the incident at KGP and advised they would update GBB if required.
  - The **PUO** confirmed they were monitoring the situation. The IMO noted the Emergency Management Facility (EMF) was ready for activation if required.
  - **DBNGP** confirmed that the Linepack Capacity Adequacy of DBP was Green and would be updated in GBB if the situation changed.
  - **NWSG** confirmed at 9:30PM that they were attempting to return the plant to production in a safe and controlled manner.
  - **NWSG** subsequently confirmed stable domestic production at KGP was resumed at approximately 10:30 PM, 13 May 2015.

# GBB Response

- The EMF on the GBB was not activated by the PUO.
- The GBB performed in accordance with the GSI Rules during this incident.
- During the incident, GBB did not provide an indication that production at KGP had been affected.
- Actual Flow data for 13 May was published at 2:00 PM 15 May in accordance with **GSI Rule 73 (1)**: *a Registered Production Facility Operator must, for each of its GBB Production Facilities, provide the IMO with Daily Actual Flow Data for each Gas Day D by 2:00 PM on Gas Day D+2.*



# GBB Response – Capacity Outlook

## Capacity Outlook

7 day outlook from Gas Day 13/05/2015, as at 13/05/2015 17:41:29

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Facility	Gate Station	Type	13/05	14/05	15/05	16/05	17/05	18/05	19/05
Karratha Gas Plant		Production Capacity	630.0	630.0	630.0	630.0	630.0	630.0	630.0

- **GSI Rule 72 (2)** outlines the obligations for Registered Production Facility Operators to update their seven day Capacity Outlook:

*If, before 9:00 AM or 1:00 PM on a Gas Day D, a Registered Production Facility Operator becomes aware of a change to the most recently provided or deemed Capacity Outlook for any of its GBB Production Facilities for a Gas Day that has not yet ended, the operator must provide to the IMO an updated Capacity Outlook for the Gas Day by 9.00 AM or 1.00 PM on Gas Day D (whichever is relevant).*

# GBB Response – Linepack Capacity Adequacy (LCA)

## Linepack Capacity Adequacy

3 day outlook from Gas Day 13/05/2015, as at 13/05/2015 17:38:30

Facility	Zone	13/05	14/05	15/05
Dampier to Bunbury Natural Gas Pipeline	Dampier	GREEN	GREEN	GREEN
Dampier to Bunbury Natural Gas Pipeline	Metro	GREEN	GREEN	GREEN
Dampier to Bunbury Natural Gas Pipeline	South-West	GREEN	GREEN	GREEN
Fortescue River Gas Pipeline	Pilbara	GREEN	GREEN	GREEN
Goldfields Gas Pipeline	Goldfields	GREEN	GREEN	GREEN
Goldfields Gas Pipeline	Kalgoorlie	GREEN	GREEN	GREEN
Goldfields Gas Pipeline	Pilbara	GREEN	GREEN	GREEN
Mid West Pipeline	Mid-West	GREEN	GREEN	GREEN
Mandarra Gas Storage Facility		GREEN	GREEN	GREEN
Parmelia Gas Pipeline	Parmelia	GREEN	GREEN	GREEN
Pilbara Energy Pipeline	Karratha	GREEN	GREEN	GREEN
Telfer Gas Pipeline	Telfer	GREEN	GREEN	GREEN

- **Green** indicates normal operation
- **Amber** indicates likely curtailment of interruptible gas flows
- **Red** indicates likely curtailment of firm gas flows

- **GSI Rule 58 (2)** outlines the obligations for Pipeline Operators to update the LCA of their Pipeline:

*If a Registered Pipeline Operator becomes aware of a change to the most recently provided or deemed LCA Flag for a GBB Pipeline for a Gas Day that has not yet ended, then the operator must provide to the IMO an updated LCA Flag for that Gas Day as soon as practicable.*

- DBNGP confirmed that the LCA of DBP was not compromised during the incident.

# GBB Response – Nominated and Forecast Flows

## Nominated and Forecast Flow

7 day outlook from Gas Day 13/05/2015, as at 13/05/2015 20:19:02

Zone	13/05		14/05		15/05		16/05		17/05		18/05		19/05	
	Receipt	Delivery												
Dampier	973.2	263.4	977.3	296.1	944.5	295.4	934.3	294.9	884.3	266.0	886.0	282.4	904.9	281.2
Goldfields	0.0	62.9	0.0	62.9	0.0	55.4	0.0	55.4	0.0	55.4	0.0	54.7	0.0	54.0
Kalgoorlie	0.0	26.5	0.0	26.7	0.0	29.6	0.0	28.1	0.0	28.3	0.0	26.2	0.0	26.0
Karratha	88.1	89.3	87.1	87.8	89.2	89.3	89.2	89.3	89.3	89.4	66.0	66.1	65.8	65.9
Metro	57.0	332.9	7.0	329.3	7.0	327.9	7.0	314.6	7.0	281.8	7.0	268.5	7.0	278.3
Mid-West	1.6	2.1	2.0	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
Parmello	19.6	17.5	17.1	17.5	12.6	13.0	12.3	12.0	12.1	11.8	1.0	1.9	1.0	1.9
Pilbara	118.0	32.9	126.4	33.0	97.7	25.0	98.2	25.0	98.3	25.0	101.6	31.0	99.9	31.0
South-West	0.0	286.7	0.0	295.5	0.0	269.1	0.0	269.1	0.0	269.2	0.0	297.7	0.0	295.7
Telfer	27.3	30.0	26.3	29.0	25.3	28.0	25.3	28.0	25.3	28.0	4.3	7.0	4.3	7.0
Mondarra Gas Storage Facility	68.2	26.0	15.7	26.0	11.2	19.5	10.9	14.6	10.7	23.7	1.0	10.5	1.0	10.5

- **GSI Rule 59 (3)** outlines the obligations for Pipeline Operators to update the Nominated Flows for each Connection Point on their Pipeline:

*If, before 9:00 AM or 1:00 PM on a Gas Day D a Registered Pipeline Operator becomes aware of a change to the most recently provided Nominated and Forecast Flow Data for any of its GBB Pipelines for a Gas Day that has not yet ended, the operator must provide to the IMO updated Nominated and Forecast Flow Data for the Gas Day by 9.00 AM or 1.00 PM on Gas Day D (whichever is relevant).*

- The **Nominated Flow** for the Receipt Points in Dampier Zone on Gas Day 13 May 2015 was 959TJ and was revised to 973TJ during the Gas Day.
- DBNGP confirmed that the **Nominated Flow** information provided during this period was the latest information nominated to them by NWSG.

# Conclusions

- Karratha Gas Plant underwent a controlled shutdown due to an unplanned incident on 13 May.
- The facility remained offline for approximately 10 hours.
- It is evident by comparing Actual Flow data to Nominated Flow data for the Facility that this had an impact on domestic gas production.
- The information provided under the GSI Rules and published on the GBB did not indicate any such incident in real-time.

