

## Infrastructure Code of Practise (ICOP) - Access to Upstream Oil and Gas Infrastructure on the UK Continental Shelf

**Name of Infrastructure:** Perenco Bacton Gas Terminal

**Last Updated:** June 2014

<b>Entry Specification:</b>	O2	≤ 0.1mol%	Wobbe	47.2 - 52.2MJ/m <sup>3</sup>
	CO2	≤ 2.0mol%	Temperature	33-100°F
	H2S	< 3.3ppm	H2O	~1bbl/mmscf
	S	< 35ppm	Gross CV	≤ 40.5MJ/m <sup>3</sup>

**Gas Purity:** Gas shall be commercially free from objectionable odours and materials, and dust or other solid or liquid matter, waxes, gums and gum forming constituents, which might damage or adversely affect operation of the Perenco Bacton Terminal

**Exit Specification:** Sales Specification of National Grid Transco

**Outline details of primary separation processing facilities:** Slug catchers and separation with cryogenic dewpoint reduction for hydrocarbons and water

### CAPACITY INFORMATION KEY

Key Colour	Ullage as % of System Capacity
Red	<5%
Amber	5% to <25%
Green	>25%

### AVAILABLE CAPACITY

	Daily Capacity (including units)	Ullage as % of System Capacity				
		2014	2015	2016	2017	2018
Gas Treatment Capacity:	1000mmcf					
Condensate Stabilization Capacity:	600m <sup>3</sup>					

No interruptible capacity is available.

For further enquiries regarding the above please contact Andrew Sanders, Commercial Manager, Perenco UK Limited, 1 Franklins Row, London SW3 4SW

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Telephone: 020 7368 9250

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## Infrastructure Code of Practise (ICOP) - Access to Upstream Oil and Gas Infrastructure on the UK Continental Shelf

Name of Infrastructure: **Inde 23A**

Last Updated: **June 2014**

Entry Specification:	O2	≤ 0.1mol%	Wobbe	36.0 - 52.2MJ/m <sup>3</sup>
	CO2	≤ 2.0mol%	Temperature	33-100°F
	H2S	< 1.0ppm	H2O	~ 1bbl/mmscf
	S	< 15ppm	Gross CV	≤ 42.3MJ/m <sup>3</sup>

**Gas Purity:** Gas shall be commercially free from objectionable odours, dust and other solids or liquid matter, waxes, gums, drilling muds, acidizing fluids, which might damage or adversely affect operation of the Perenco Bacton Terminal

**Outline details of primary separation processing facilities:** Suction Scrubbers to two stage Compression Station, Fiscal Metering, Condensate Reinjection, Export Pipeline to Bacton

**Outline details of gas treatment facilities:** Gas Compression - 4 RB211 drivers each with two stage LP/HP compression

### CAPACITY INFORMATION KEY

Key Colour	Ullage as % of System Capacity
Red	<5%
Amber	5% to <25%
Green	>25%

### AVAILABLE CAPACITY

	Daily Capacity (including units)	Ullage as % of System Capacity				
		2014	2015	2016	2017	2018
Gas Pipeline Export Capacity	700mmscf					
Gas Compression Capacity	450mmscf					

No interruptible capacity is available.

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## Infrastructure Code of Practise (ICOP) - Access to Upstream Oil and Gas Infrastructure on the UK Continental Shelf

**Name of Infrastructure:** LAPS

**Last Updated:** June 2014

<b>Entry Specification:</b>	O2	≤ 0.1mol%	Wobbe	48.2-51.2MJ/m <sup>3</sup>
	CO2	≤ 0.8mol%	Temperature	33-100°F
	H2S	≤ 0.5ppm	H2O	≤ 2% total liquids
	S	≤ 35ppm	Gross CV	36.9-42.2MJ/m <sup>3</sup>

**Gas Purity:** Gas shall be commercially free from objectionable odours and materials, dust or other solid or liquid matter, waxes, gums, and gum forming constituents which might damage or adversely affect proper operation of the lines, meter regulators and other appliances through which it flows.

**Outline details of primary separation processing facilities:** The pipeline infrastructure has no processing facilities but delivers gas to the Tullow Bacton Terminal.

**Outline details of gas treatment facilities:** LAPS is a low pressure system with onshore compression, high pressure gas will therefore cause backout.

### AVAILABLE CAPACITY

Flow rate is temperature dependent for compression and available capacity is therefore variable, new field gas will be subject to backout.

Compression takes place onshore at the Tullow Bacton Terminal.

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## Infrastructure Code of Practise (ICOP) - Access to Upstream Oil and Gas Infrastructure on the UK Continental Shelf

**Name of Infrastructure:** Leman

**Last Updated:** June 2014

<b>Entry Specification:</b>	O2	≤ 0.1mol%	Wobbe	47.2-52.2MJ/m <sup>3</sup>
	CO2	≤ 2.0mol%	Temperature	33-100°F
	H2S	≤ 3.3ppm	H2O	~ 1bbl/mmscf
	S	≤ 35ppm	Gross CV	≤ 40.5MJ/m <sup>3</sup>

**Gas Purity:** Gas shall be commercially free from objectionable odours and materials, dust or other solid or liquid matter, waxes, gums, and gum forming constituents which might damage or adversely affect proper operation of the lines, meter regulators and other appliances through which it flows.

**Outline details of primary separation processing facilities:** Suction Scrubbers to two stage Compression Station, Fiscal Metering, Condensate Reinjection, Export Pipeline to Bacton

**Outline details of gas treatment facilities:** Gas Compression - 2 RB211 Drivers for first stage LP compression, 2 Avon drivers for second stage HP compression

### CAPACITY INFORMATION KEY

Key Colour	Ullage as % of System Capacity
Red	<5%
Amber	5% to <25%
Green	>25%

### AVAILABLE CAPACITY

	Daily Capacity (including units)	Ullage as % of System Capacity				
		2014	2015	2016	2017	2018
Gas Pipeline Export Capacity	600mmscf					
Gas Compression Capacity	360mmscf					

No interruptible capacity is available.

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**Infrastructure Code of Practise (ICOP) - Access to Upstream Oil and Gas Infrastructure on the UK Continental Shelf**

**Name of Infrastructure:** Trent

**Last Updated:** June 2014

<b>Entry Specification:</b>	O2	≤ 0.1mol%	Wobbe	36.0-52.2 MJ/m <sup>3</sup>
	CO2	≤ 3.5mol%	Temperature	33-100°F
	H2S	≤ 3.3ppm	H2O	~ 1bbl/mmscf
	S	≤ 35ppm	Gross CV	≤ 42.3MJ/m <sup>3</sup>

**Gas Purity:** Gas shall be commercially free from objectionable odours, materials, dust or other solids or liquid matter, waxes, gums and gum forming constituents, which might damage or adversely affect proper operation of the Eagles pipeline and or the Perenco Bacton Terminal

**Outline details of primary separation processing facilities:** Slugcatcher, 3 Phase Separation, Triethylene Glycol Dehydration System  
**Outline details of gas treatment facilities:** Gas Compression - 2 Solar Mars drivers each with two stage LP/HP compression

**CAPACITY INFORMATION KEY**

Key Colour	Ullage as % of System Capacity
Red	<5%
Amber	5% to <25%
Green	>25%

**AVAILABLE CAPACITY**

	Daily Capacity (including units)	Ullage as % of System Capacity				
		2014	2015	2016	2017	2018
Gas Pipeline Export Capacity	300mmscf					
Gas Compression Capacity	120 mmscf					

No interruptible capacity is available.

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## Infrastructure Code of Practise (ICOP) - Access to Upstream Oil and Gas Infrastructure on the UK Continental Shelf

**Name of Infrastructure:** Pickerill

**Last Updated:** June 2014

<b>Entry Specification:</b>	O2	≤ 0.1mol%	Wobbe	36.0-52.2 MJ/m <sup>3</sup>
	CO2	≤ 3.5mol%	Temperature	33-100°F
	H2S	≤ 3.3ppm	H2O	~ 1bbl/mmscf
	S	≤ 35ppm	Gross CV	≤ 42.3MJ/m <sup>3</sup>

**Gas Purity:** Gas shall be commercially free from objectionable odours, materials, dust or other solids or liquid matter, waxes, gums and gum forming constituents, which might damage or adversely affect proper operation of the Eagles pipeline and or the Perenco Bacton Terminal

**Outline details of primary separation processing facilities:** Slugcatcher, 3 Phase Separation, Triethylene Glycol Dehydration System

**Outline details of gas treatment facilities:** Gas Compression - 2 Solar Mars drivers each with two stage LP/HP compression

### CAPACITY INFORMATION KEY

Key Colour	Ullage as % of System Capacity
Red	<5%
Amber	5% to <25%
Green	>25%

### AVAILABLE CAPACITY

	Daily Capacity (including units)	Ullage as % of System Capacity				
		2014	2015	2016	2017	2018
Gas Pipeline Export Capacity	300mmscf					
Gas Compression Capacity	120 mmscf					

No interruptable capacity is available.

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