

WHOLESALE MARKET CRITICAL LOCATION PRESSURES

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CHAPTER 1. INTRODUCTION

1.1 Purpose and Scope

This document outlines the minimum and maximum operating pressures of critical locations within the declared transmission system (DTS). The document does not list the minimum and maximum operating pressure at every location within the DTS.

1.2 Definitions

The words, phrases and abbreviations set out below have the meanings set out opposite them when used in these Procedures.

Terms defined in the NGL or the NGR have the same meanings in these Procedures unless otherwise specified in this section.

Term	Definition		
ВВР	Brooklyn to Ballan Pipeline		
ВСР	Brooklyn to Corio Pipeline		
BLP	Brooklyn to Lara Pipeline.		
CG	City Gate		
CS	Compressor station		
DCG	Dandenong City Gate		
DTS	Declared Transmission System		
GPG	Gas-fired power generation		
MAOP	Maximum Allowable Operating Pressure (Pipeline).		
MinOp	Minimum Operating Pressure (Pipeline)		

1.3 Related Documents

Title	Location		
Wholesale Market System Security Procedures	http://www.aemo.com.au/Gas/Policies-and-Procedures/Declared-Wholesale-Gas-Market-Rules-and-Procedures		



CHAPTER 2. CRITICAL LOCATION PRESSURES

AEMO's objective is to maintain operating pressures between the relevant maximum allowable operating pressure (MAOP) and minimum operating pressure (MinOp) across the Declared Transmission System (DTS). Table 1 shows the list of critical locations and associated pressure requirements. A location is deemed critical should its MinOp be limiting to pipeline operations or should it breach first in a low pressure situation.

Any operational response to restore or maintain system security at a specified location will consider any secondary effects on other locations within the DTS.

Table 1: CRITICAL LOCATION PRESSURES IN DECLARED TRANSMISSION SYSTEM

Sale 4,800 AEMO-Distributor Connection Deed		Source of Data and Comments	MinOP in kPa	Location	Pipeline MAOP in kPa	Pipeline
Gooding CS Inlet 4,200		Connection Agreement Operational maximum pressure of 6,750 kF applies due to operating limits at the plant.	4,500	Longford	6,890	Longford to Melbourne
Lurgi		AEMO-Distributor Connection Deed	4,800	Sale		
VicHub		APA design parameter	4,200	Gooding CS Inlet		
BassGas 3,500 Connection Agreement DCG Inlet 3,200 APA Design Parameter Wollert CS Inlet 3,000 APA Design Parameter Lurgi 2,760 Morwell Porters Rd Warragul 1,400 AEMO-Distributor Connection Deed Pakenham South 1,400 AEMO-Distributor Connection Deed Pakenham South 1,400 AEMO-Distributor Connection Deed Jeeralang GPG 2,500 Metropolitan Ring Main Main 2,760 Dandenong Terminal Station Dandenong North 2,500 AEMO-Distributor Connection Deed Maintaining the DCG inlet guideline presensures maintenance of Dandenong Testation pressure obligation Dandenong North 2,500 AEMO Connection Deed Maintaining the DCG inlet guideline presensures maintenance of Dandenong Ntipressure obligation Brooklyn (Melbourne side) 1,700 AEMO-Distributor Connection Deed Brooklyn compressor suction min press requirement			4,000	Loy Yang B GPG		
DCG Inlet 3,200 APA Design Parameter Wollert CS Inlet 3,000 APA Design Parameter Unrigi 2,760 Morwell Porters Rd Warragul 1,400 AEMO-Distributor Connection Deed Pakenham South 1,400 AEMO-Distributor Connection Deed Pakenham South 1,400 AEMO-Distributor Connection Deed Pakenham South 1,400 AEMO-Distributor Connection Deed Maintaining the DCG inlet guideline presensures maintenance of Dandenong Testation pressure obligation Dandenong North 2,500 AEMO Connection Deed Maintaining the DCG inlet guideline presensures maintenance of Dandenong Ntipressure obligation Brooklyn (Melbourne side) 1,800 AEMO-Distributor Connection Deed Brooklyn compressor suction min press requirement		Connection Agreement	4,200	VicHub		
Wollert CS Inlet 3,000 APA Design Parameter Lurgi 2,760 Morwell Porters Rd 2,650 Rd Warragul 1,400 AEMO-Distributor Connection Deed Pakenham South 1,400 AEMO-Distributor Connection Deed Jeeralang GPG 2,500 Metropolitan Ring Main 2,760 Dandenong Terminal Station Dandenong North 2,500 AEMO-Distributor Connection Deed Maintaining the DCG inlet guideline presures maintenance of Dandenong Testation pressure obligation Dandenong North 2,500 AEMO Connection Deed Maintaining the DCG inlet guideline presures maintenance of Dandenong Nt pressure obligation Brooklyn 1,700 AEMO-Distributor Connection Deed Brooklyn compressor suction min press requirement		Connection Agreement	3,500	BassGas		
Lurgi 2,760 Morwell Porters Rd Warragul 1,400 AEMO-Distributor Connection Deed Pakenham South Jeeralang GPG 2,500 Metropolitan Ring Main Main 2,760 Dandenong Terminal Station Dandenong North Dandenong North Dandenong North Ensures maintenance of Dandenong North Dandenong North Dandenong North Brooklyn (Melbourne side) 1,800 MEMO-Distributor Connection Deed Maintaining the DCG inlet guideline presensures maintenance of Dandenong Nt pressure obligation Brooklyn (Melbourne side) 1,800 Brooklyn compressor suction min press requirement		APA Design Parameter	3,200	DCG Inlet		
Rd Warragul 1,400 AEMO-Distributor Connection Deed Pakenham South Jeeralang GPG 2,500 Metropolitan Ring Main Dandenong Terminal Station Dandenong North Dandenong Nort		APA Design Parameter	3,000	Wollert CS Inlet		
Pakenham South Jeeralang GPG 2,500 Metropolitan Ring Main 2,760 Dandenong Terminal Station Dandenong North Dandenong North Dandenong Nort			2,650		2,760	Lurgi
Jeeralang GPG 2,500		AEMO-Distributor Connection Deed	1,400	Warragul		
Metropolitan Ring Main 2,760 Dandenong Terminal Station Dandenong North AEMO Connection Deed Maintaining the DCG inlet guideline presensures maintenance of Dandenong Ntipressure obligation Brooklyn (Melbourne side) 1,700 AEMO-Distributor Connection Deed Brooklyn compressor suction min press requirement		AEMO-Distributor Connection Deed	1,400	Pakenham South		
Main Terminal Station Maintaining the DCG inlet guideline present ensures maintenance of Dandenong Te Station pressure obligation Dandenong North 2,500 AEMO Connection Deed Maintaining the DCG inlet guideline present ensures maintenance of Dandenong Nt pressure obligation Brooklyn (Melbourne side) 1,700 AEMO-Distributor Connection Deed Brooklyn compressor suction min press requirement			2,500	Jeeralang GPG		
Maintaining the DCG inlet guideline presensures maintenance of Dandenong Ntipressure obligation Brooklyn (Melbourne side) 1,700 AEMO-Distributor Connection Deed Brooklyn compressor suction min press requirement		Maintaining the DCG inlet guideline pressurensures maintenance of Dandenong Termin	2,650	<u> </u>	2,760	
(Melbourne side) 1,800 Brooklyn compressor suction min press requirement		Maintaining the DCG inlet guideline pressurensures maintenance of Dandenong Nth	2,500	Dandenong North		
Keon Park 2,200 AEMO-Distributor Connection Deed	ıre	Brooklyn compressor suction min pressure				
		AEMO-Distributor Connection Deed	2,200	Keon Park		
Newport GPG 1,800			1,800	Newport GPG		
Somerton GPG 2,000			2,000	Somerton GPG		
Wollert to Euroa 8,800 Wandong PRS 3,700 APA design parameter inlet		APA design parameter	3,700		8,800	Wollert to Euroa
Euroa CS Inlet 3,200- APA design parameter		APA design parameter	3,200-	Euroa CS Inlet		
Euroa to Wodonga 7,400 Wodonga 2,400 AEMO-Distributor Connection Deed		AEMO-Distributor Connection Deed	2,400	Wodonga	7,400	Euroa to Wodonga
Shepparton 2,400 AEMO-Distributor Connection Deed		AEMO-Distributor Connection Deed	2,400	Shepparton		
Echuca 1,200 AEMO-Distributor Connection Deed		AEMO-Distributor Connection Deed	1,200	Echuca		
Rutherglen 2,400 AEMO-Distributor Connection Deed		AEMO-Distributor Connection Deed	2,400	Rutherglen		
Koonoomoo 1,200 AEMO-Distributor Connection Deed		AEMO-Distributor Connection Deed	1,200	Koonoomoo		



Pipeline	Pipeline MAOP in kPa	Location	MinOP in kPa	Source of Data and Comments
		Springhurst CS Inlet	2,300	APA design parameter
		Culcairn	2,700	Connection Agreement
Victorian Northern	10,200	Euroa CS Inlet	3,200	APA design parameter
Interconnect Expansion		Springhurst CS Inlet	2,300	APA design parameter
Brooklyn Corio Pipeline	7,390	Corio (Avalon, Lara and Werribee)	2,300 w 1,900 s	7,390 kPa Pipeline licence pressure 2,300 kPa during high flow (winter), 1,900 kPa during low flow (summer), Distributor Connection Deed
		Coogee Methanol	1,800	
		Laverton North GPG	1,700	
Brooklyn Lara Pipeline	10,200	Qenos	3,800	3,800 kPa approved AEMO-Distributor Connection Deed (Wyndham Vale & Qenos) Usually controlled >4,500 kPa by BLP CG
Brooklyn Ballan	7,400	Sunbury	2,000	AEMO-Distributor Connection Deed
Pipeline		Ballarat	2,100	AEMO-Distributor Connection Deed
		Plumpton PRS	4,500	APA design minimum pressure
South West Pipeline	10,200	Iona	3,800	Connection Agreement Operational maximum pressure of 9,500 kPa applies due to operating limits at the plant
		SEAGas	3,800	Connection Agreement
		Winchelsea Inlet	4,500	APA Design Parameter
		Colac	3,800	APA Group-Distributor Connection Deed
Western Transmission	7,400	Iluka	2,500	APA Group-Distributor Connection Deed
System		Portland	2,800	AEMO-Distributor Connection Deed
Wandong to Bendigo	7,390	Bendigo	3,000	AEMO-Distributor Connection Deed
		Maryborough	3,000	AEMO-Distributor Connection Deed
		Carisbrook	3,000	AEMO-Distributor Connection Deed