WHOLESALE MARKET CRITICAL LOCATION PRESSURES

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DOCUMENT REF:	306195
VERSION:	NGR 1.0
EFFECTIVE DATE:	09 November 2015
STATUS:	[DRAFT]

Approved for distribution and use by:

APPROVED BY:	[NAME]
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DATE: / / 20

VERSION RELEASE HISTORY

Version	Effective Date	Summary of Changes
1	November 2015	New Document created by extracting *Chapter 6 – Critical Locations* from *Wholesale Market System Security Procedures* version 1 (NGR)

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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
BBP	Brooklyn to Ballan Pipeline
BCP	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

Pipeline	Pipeline MAOP in kPa	Location	MinOP in kPa	Source of Data and Comments
Longford to Melbourne	6,890	Longford	4,500	Connection Agreement Operational maximum pressure of 6,750 kPa applies due to operating limits at the plant.
		Sale	4,800	AEMO-Distributor Connection Deed
		Gooding CS Inlet	4,200	APA design parameter
		Loy Yang B GPG	4,000	
		VicHub	4,200	Connection Agreement
		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	2,650	
		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	2,650	AEMO-Distributor Connection Deed Maintaining the DCG inlet guideline pressure ensures maintenance of Dandenong Terminal Station pressure obligation
		Dandenong North	2,500	AEMO Connection Deed Maintaining the DCG inlet guideline pressure ensures maintenance of Dandenong Nth pressure obligation
		Brooklyn (Melbourne side)	1,700 1,800	AEMO-Distributor Connection Deed Brooklyn compressor suction min pressure requirement
		Keon Park	2,200	AEMO-Distributor Connection Deed
		Newport GPG	1,800	
		Somerton GPG	2,000	
Wollert to Euroa	8,800	Wandong PRS inlet	3,700	APA design parameter
		Euroa CS Inlet	3,200-	APA design parameter
Euroa to Wodonga	7,400	Wodonga	2,400	AEMO-Distributor Connection Deed
		Shepparton	2,400	AEMO-Distributor Connection Deed
		Echuca	1,200	AEMO-Distributor Connection Deed
		Rutherglen	2,400	AEMO-Distributor Connection Deed
		Koonoomoo	1,200	AEMO-Distributor Connection Deed

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 Interconnect Expansion	10,200	Euroa CS Inlet	3,200	APA design parameter
		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 Pipeline	7,400	Sunbury	2,000	AEMO-Distributor Connection Deed
		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 System	7,400	Iluka	2,500	APA Group-Distributor Connection Deed
		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