

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 |
|--------------|--|
| 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 |