

### Part 1. Introduction

#### Purpose

The Gas (Processing Facilities Information Disclosure) Rules 2008 (the 'Rules') provide a process for deciding on the need for regulation of third party access to gas processing facilities. A 'gas processing facility' separates the various parts of the fluid from a well. It removes impurities and provides specification gas and gas liquids.

The Rules require the owners of gas processing facilities to disclose certain information to Gas Industry Co. This includes annual information about ownership of gas processing facilities, forecasts of spare capacity, and technical information on the capacity of facilities (refer to Part 2 of the Rules).

Owners of gas processing facilities must use this form to provide the information under Part 2 of the Rules.

#### Who should use this form?

If you are the owner of a gas processing facility, you must use this form to provide the information required under Part 2 of the Rules.

If the facility has more than one owner, only one owner needs to provide information for that facility.

A director or principal officer of the facility owner must certify disclosed information (see Part 10 of this form).

#### What information is required?

The Rules require facility owners to disclose, for each gas processing facility:

- the ownership share and contact details of all facility owners;
- forecasts of spare gas processing capacity; and
- technical information on the capacity of gas processing facilities.

Facility owners must provide this information no later than 30 business days after the anniversary of the commencement date of the Rules or after the commissioning date of the gas processing facility, whichever is applicable, and annually on the anniversary of the date the information was first supplied.

#### How will the information be used?

Gas Industry Co publishes all the information provided on this form. It places the information on the Gas Industry Co website within 10 business days of receiving it.

#### Sending disclosure information

For facility owners who provide information disclosures on the anniversary of the commencement date of the Rules please email your disclosure information to [infodisclosures@gasindustry.co.nz](mailto:infodisclosures@gasindustry.co.nz) by **9 August 2013**.

See Part 11 of this form (Submitting Disclosure Information) for detailed instructions.

#### For more information

For more information about the Rules go to <http://www.gasindustry.co.nz/work-programme/gas-processing-facilities-information-disclosure?tab=389>

Or contact Ian Wilson at Gas Industry Co: +64 4 494 2462, [Ian.Wilson@gasindustry.co.nz](mailto:Ian.Wilson@gasindustry.co.nz)

**Part 2. Your Details**

Name	Andrew Clennett
Title	General Manager Operations
Company	Todd Energy Ltd
Postal Address	P O Box 802, New Plymouth 4340
Phone	06 759 5448
Fax	06 757 8006
Email	<a href="mailto:aclennett@toddenenergy.co.nz">aclennett@toddenenergy.co.nz</a>

**Part 3. Facility Operator Details**

Company	Todd Energy Ltd
Postal Address	P O Box 802, New Plymouth 4340
Contact Name	Noel Baylis
Contact Title	Plant Manager
Contact Phone	06 754 9027
Contact Fax	06 754 9029
Contact Email	<a href="mailto:nbaylis@toddenenergy.co.nz">nbaylis@toddenenergy.co.nz</a>

**Part 4. Facility Ownership Details**

If the sole owner of the gas processing facility is the Facility Operator listed in Part 3, leave this part blank.

Legal Entity	Todd Energy Ltd	Ownership Share (%)	100
Legal Entity		Ownership Share (%)	
Legal Entity		Ownership Share (%)	
Legal Entity		Ownership Share (%)	
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Part 5. Facility Description	
Facility Name	McKee-Mangahewa Production Station (MMPS)
Physical Address	1334 Otaraoa Road, Waitara, Taranaki
Description of gathering facilities in service	<p>McKee gathering facilities (low pressure):</p> <p>38 oil wells spread over 13 wellsites. Well stream fluids are transported via gathering system with 11 gathering and test lines entering MMPS.</p> <p>Mangahewa gathering facilities (gas – high pressure):</p> <p>9 gas condensate wells on 3 wellsites. Well stream fluids are transported to MMPS via a single gathering line.</p> <p>An additional 4 gas condensate wells, an additional wellsite and two new gathering lines are under construction.</p>
Description of primary separation processing facilities in service	<p>McKee facilities (low pressure):</p> <p>Two parallel 3-stage 3-phase separation trains (1<sup>st</sup> stage, 2<sup>nd</sup> stage and crude tank), each with its own pre-heater to avoid wax problems, and 1<sup>st</sup> stage test separator. All gas recovered for treatment and compression.</p> <p>Mangahewa facilities (high pressure):</p> <p>Single 2-stage 3-phase separation train, with fluids from the second stage spiked into the McKee system for final treatment.</p>
Description of gas treatment facilities in service	<p>McKee facilities (low pressure):</p> <p>Dehydration by glycol contactor (TEG) followed by chilling by mechanical refrigeration (propane) to NZS5442:1999</p> <p>Mangahewa facilities (high pressure):</p> <p>Dehydration by glycol contactor (MEG) followed by chilling by mechanical refrigeration (propane) to NZS5442:1999</p> <p>LPG</p> <p>Deep chill plant producing mixed grade LPG</p>
Description of inactive/mothballed gas processing facilities including estimated timeframes for recommissioning	None



## Part 6. Entry/Exit Specifications

Provide the entry/exit specifications for all feedstocks and products that can be accommodated by the gas processing facility. Indicate whether the specifications apply to in-service facilities or mothballed/inactive facilities. If appropriate, attach existing documents containing the required information and reference the relevant section of this form.

Entry specifications (by feedstock)

McKee facilities (low pressure):

Natural Gas fluids ex McKee oil wells and Mangahewa low pressure gas (2<sup>nd</sup> stage separator).

Mangahewa facilities (high pressure):

Natural Gas fluids ex Mangahewa gas-condensate wells

LPG

Pohokura gas ex Pohokura Production facility operated by others

Exit specifications (by product)

Natural gas meeting NZS5442:1999

Part 7. Capacity Summary				
Indicative processing capacity of in-service facilities (PJ per annum)	McKee facilities (low pressure): 6 PJ			
	Mangahewa facilities (high pressure): 5-12 PJ, depending on the LPG richness of the wellstreams.			
	LPG facilities 10 PJ input			
Spare capacity as a % of indicative processing capacity (tick one box per time period)	<b>Time Period</b>	<b>&lt; 5%</b>	<b>5%-25%</b>	<b>&gt; 25%</b>
	0-24 months	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	2-5 years	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	5+ years	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Comments (include here details of interruptible capacity, if available, and spare capacity information for mothballed or inactive facilities)	Production based on gas demand.			
	Mangahewa facilities constrained by condensate stabilisation capacity (due to LPG richness). No ullage due to ongoing exploration, appraisal and development activities.			

Part 8. Capacity Details	
Provide capacity details of the gas processing facility for each unit process. If the gas processing facility is not configured to perform a given unit process, enter 'NA'. State capacity units as well as conditions or assumptions for each unit process (for example, '90 mmscfd @ < 10 ppm H <sub>2</sub> S' or '600 bpd as natural gasoline'). Spare capacity information for specific feedstocks and/or products can also be reported here.	
Gas lift capacity	McKee: 4 mmscfd Mangahewa: none
Produced water handling capacity	McKee: > 1000 m <sup>3</sup> /d Mangahewa: none (treated by McKee facilities)
Water injection capacity	McKee: > 1000 m <sup>3</sup> /d Mangahewa: none (disposed via McKee disposal wells)
CO <sub>2</sub> removal capacity	None

Part 8. Capacity Details	
H <sub>2</sub> S removal capacity	None
Dehydration capacity	McKee: 35 mmscfd Mangahewa: 32 mmscfd
Hydrocarbon dewpointing capacity	McKee: 15 mmscfd Mangahewa: 13-32 mmscfd
Export gas compression capacity	McKee: 25 mmscfd Mangahewa: none
Gas export capacity	McKee: 15 mmscfd Mangahewa: 13-32 mmscfd
Oil export capacity	50 m <sup>3</sup> /d tankered to Omata Tank Farm Mangahewa condensate: 160 m <sup>3</sup> /d exported via pipeline and co-mingled with Pohokura condensate 395 m <sup>3</sup> storage on site
LPG fractionation capacity	73 tpd
LPG storage and loadout capacity	400t storage capacity, 100 tpd loadout capacity
Limiting factors	Chilling capacity fully utilised

**Part 9. Additional Information**

Enter additional comments, if needed, to explain information disclosed in Parts 2 through 8.

The McKee and Mangahewa facilities are highly integrated.

**Part 10. Certification**

A director or principal officer of the facility owner submitting this information disclosure form must complete this section. 'Director' has the same meaning as in section 2(1) of the Securities Act 1978. A 'principal officer' means a person whose functions include ensuring that the facility owner discloses the information required under the Rules.

The facility owner must ensure that all information disclosed under Part 2 of the Rules is certified as correct. The information provided in this disclosure does not provide a guarantee of performance nor commit the facility owner to processing gas.

Signed on behalf of: TODD ENERGY LIMITED (facility owner)

[Signature] (signature)

By: ANDREW CLENNETT (insert name of signatory)

Information provided as at: 28/6/2013 (insert date)

## Part 11. Submitting Disclosure Information

Please download the disclosure form from Gas Industry Co's website. Once complete, please email your disclosure form to [infodisclosures@gasindustry.co.nz](mailto:infodisclosures@gasindustry.co.nz)

Disclosures can only be emailed by the director or principle officer of the facility. The body of the message must include the following text: 'The facility owner has ensured that the information provided in this disclosure form is correct. The information provided in this disclosure does not provide a guarantee of performance nor commit the facility owner to processing gas.'

All public information disclosures will be published on Gas Industry Co's website after the closing date.

Disclosures regarding third party requests for information are treated in confidence.

**Note** Gas Industry Co will acknowledge receipt of all disclosures by email. Please contact Jay Jefferies (Ph: +64 4 472 1800 or email: [jay.jefferies@gasindustry.co.nz](mailto:jay.jefferies@gasindustry.co.nz)) if you do not receive an email acknowledging your disclosure within two business days.

## Part 12. Units of Measure

Except for the information in Part 7 (Capacity Summary), you may use either imperial or metric units of measure in this information disclosure form. Please include the conditions or assumptions for each measure (for example, '90 mmscfd @ < 10 ppm H<sub>2</sub>S' or '600 bpd as natural gasoline'). Preferred units of measure (and context) include the following:

<b>mmscfd</b>	million standard cubic feet per day (natural gas processing)
<b>bpd</b>	barrels per day (water handling, water injection, oil export)
<b>tpd</b>	tonnes per day (LPG fractionation, LPG loadout)