

June 2008

Part 1. Introduction

Under the Gas (Processing Facilities Information Disclosure) Rules 2008 (the 'Rules'), gas processing facility owners must complete this information disclosure form for each gas processing facility wholly or partly owned by them. If a gas processing facility is owned by more than one party, it is sufficient for one of those parties to disclose the required information in respect of that facility.

Gas processing facility owners must submit completed disclosure forms to Gas Industry Co by 9 August 2008 in accordance with the instructions in Part 11 (Submission Information) and annually thereafter. Gas processing facility owners are also required to submit completed disclosure forms whenever there is a material change in the information previously disclosed for existing gas processing facilities, and no later than 30 business days after the commissioning date for new gas processing facilities.

An electronic copy of this form in Microsoft Word format (DOC) is available on the Gas Industry Co website at <http://www.gasindustry.co.nz>. A director or principal officer of the facility owner must certify in Part 10 (Certification) that the information provided on this form is correct. Specific instructions for completing this form, definitions of terms used and appropriate units of measure are provided in Part 12 (Instructions). As required by the Rules, Gas Industry Co will publish submitted information disclosure forms on its website.

Part 2. Submitter Details

Name	Winfred Boeren
Title	Onshore Assets Manager
Company	Todd Energy
Postal Address	Private Bag 802, New Plymouth
Phone	06 – 759 5353
Fax	06 – 757 8006
Email	wboeren@tpm.co.nz

Part 3. Facility Operator Details

Company	Todd Taranaki Limited
Postal Address	Private Bag 802, New Plymouth
Contact Name	Noel Baylis
Contact Title	Plant Manager
Contact Phone	06 – 754 9027
Contact Fax	06 – 754 9029
Contact Email	nbaylis@tpm.co.nz

Part 4. Facility Ownership Details			
Legal Entity	Todd Taranaki Limited	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>2 gas-condensate wells on 2 wellsites. Well stream fluids are transported to MMPS via a single gathering line.</p>
Description of primary separation processing facilities in service	<p>McKee facilities (low pressure):</p> <p>Two parallel 3-stage 3-phase separation trains (1st stage, 2nd stage and crude tank), each with its own pre-heater to avoid wax problems, and 1st 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>

Part 5. Facility Description	
Description of inactive/mothballed gas processing facilities	None

Part 6. Entry/Exit Specifications	
Entry specifications (by feedstock)	<p>McKee facilities (low pressure): Natural Gas fluids ex McKee oil wells and Mangahewa low pressure gas (2nd stage separator).</p> <p>Mangahewa facilities (high pressure): Natural Gas fluids ex Mangahewa gas-condensate wells</p>
Exit specifications (by product)	Natural Gas meeting NZS5442:1999

Part 7. Capacity Summary				
Indicative Facility Processing Capacity (PJ per annum)	McKee facilities (low pressure): 6 PJ Mangahewa facilities (high pressure): 5-12 PJ, depending on the LPG ⁺ richness of the wellstreams			
Spare Capacity as a % of Indicative Facility Processing Capacity (tick one box per time period)	Time Period	< 5%	5%-25%	> 25%
	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"/>

Part 7. Capacity Summary	
Comments	<p>Production based on gas demand.</p> <p>Mangahewa facilities constraint by condensate stabilisation capacity (due to LPG richness).</p> <p>No ullage due to ongoing exploration, appraisal and development activities.</p>

Part 8. Capacity Details	
Gas lift capacity	<p>McKee: 4 mmscfd</p> <p>Mangahewa: None</p>
Produced water handling capacity	<p>McKee: > 1000 m³/d</p> <p>Mangahewa: None (treated by McKee facilities)</p>
Water injection capacity	<p>McKee: > 1000 m³/d</p> <p>Mangahewa: None (disposed via McKee disposal wells)</p>
CO ₂ removal capacity	None
H ₂ S removal capacity	None
Dehydration capacity	<p>McKee: 35 mmscfd</p> <p>Mangahewa: 32 mmscfd</p>
Hydrocarbon dewpointing capacity	<p>McKee: 15 mmscfd</p> <p>Mangahewa: 13-32 mmscfd</p>
Export gas compression capacity	<p>McKee: 25 mmscfd</p> <p>Mangahewa: None</p>
Gas export capacity	<p>McKee: 15 mmscfd</p> <p>Mangahewa: 13-32 mmscfd</p>

Part 8. Capacity Details	
Oil export capacity	250 m3/d due to trucking limitations (oil export line used for Pohokura condensate, and Todd is prevented from commingling McKee-Mangahewa product with the Pohokura condensate by Shell (this is before the Court)) 395 m3 storage on site
LPG fractionation capacity	None
LPG storage and loadout capacity	None
Limiting factors	Chilling capacity fully utilised.


Part 9. Additional Information	
<p>The McKee and Mangahewa facilities are highly integrated.</p>	

Part 10. Certification

Part 10 must be completed by a director or principal officer of the facility owner submitting this information disclosure form. Director and principal officer are defined in Part 12 (Instructions) for the purposes of this form. If completing this form electronically and submitting by email to Gas Industry Co, Part 10 may be left blank and certification can be provided by following the instructions for email submissions in Part 11 (Submission Information).

The facility owner has used reasonable endeavours to ensure the accuracy of the information provided in this disclosure, but is neither providing a guarantee of performance nor a commitment to process gas as a result of this disclosure.

Signed on behalf of: Todd Taranki Limited



By: Winfred Boeren

Information provided as at: 7 August 2008

Part 11. Submission Information

Completed information disclosure forms can be submitted to Gas Industry Co as follows:

By Post Gas Industry Co
PO Box 10-646
Wellington

By Facsimile 04 472 1801

By Email submissions@gasindustry.co.nz, subject to the following requirements:

1. The message with submission attached must be sent directly to Gas Industry Co by the director or principal officer of the facility owner disclosing information
2. The message body must include the following text: "The facility owner has used reasonable endeavours to ensure the accuracy of the information provided in this disclosure, but is neither providing a guarantee of performance nor a commitment to process gas as a result of this disclosure."

Note Gas Industry Co will acknowledge receipt of all submissions electronically. Please contact Jay Jeffries (Ph: +64 4 472 1800 or Email: jay.jeffries@gasindustry.co.nz), if you do not receive electronic acknowledgement of your submission within two business days.

Part 12. Instructions

Contents and Specific Instructions

Part 1. Introduction: This part is provided for information only.

Part 2. Submitter Details: Enter the name(s) and current contact information for the person(s) completing this information disclosure form.

Part 3. Facility Operator Details: Enter the name and postal address of the company that operates the gas processing facility for which information is being disclosed. A contact person at the Facility Operator must be nominated to whom questions relating to this information disclosure can be addressed.

Part 4. Facility Ownership Details: If the gas processing facility is owned by a party other than the Facility Operator listed in Part 3 or by more than one party, enter the names of the legal entities that own the facility and their corresponding ownership shares. If the Facility Operator listed in Part 3 is the sole owner of the gas processing facility, this part may be left blank.

Part 5. Facility Description: Provide a description of the gas processing facility, including name, location, gathering, separation and treatment facilities in service. If applicable, also provide a description of inactive/mothballed facilities, including estimated timeframes for recommissioning such facilities.

Part 6. Entry/Exit Specifications: Provide the entry/exit specifications for all feedstocks and products that can be accommodated by the gas processing facility and indicate if the specifications apply to in service facilities or mothballed/inactive facilities. If appropriate, attach existing documentation containing the required information to this form and reference the relevant section or page number(s) in Part 6.

Part 7. Capacity Summary: 'Indicative Facility Processing Capacity' is a high-level measure of the capacity of in service gas processing facilities and must be reported in petajoules per annum. Spare capacity reporting should be based on firm capacity availability; additional details regarding interruptible capacity, if available, can be reported in the Comments area. Spare capacity information for mothballed/inactive facilities can also be reported in the Comments area.

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 H₂S' or '600 bpd as natural gasoline'). Spare capacity information for specific feedstocks and/or products can also be reported in Part 8.

Part 9. Additional Information: Enter additional comments, if needed, to provide explanatory notes for the information disclosed in Parts 2 through 8.

Part 10. Certification: This part must be completed by a director or principal officer of the facility owner submitting this information disclosure form. Director and principal officer are defined below for the purposes of this form. If completing this form electronically and submitting by email to Gas Industry Co, this part may be left blank and certification can be provided by following the instructions for email submissions in Part 11 (Submission Information).

Part 11. Submission Information: Requirements for completing and submitting information disclosure form(s) to Gas Industry Co.

Part 12. Instructions: This part is provided for information only.

Part 12. Instructions (cont.)

Definitions

commencement date	27 June 2008
commissioning date	the date on which a gas processing facility is commissioned by the facility owner
director	as defined in section 2(1) of the Securities Act 1978
facility operator	an organisation or person responsible for the management and day-to-day operation of a gas processing facility
facility owner	the whole or part owner of a gas processing facility
gas processing facility	a facility which separates the various constituents of the fluid from a well so as to remove impurities and provide specification gas and gas liquids
principal officer	a person whose functions include ensuring that the facility owner discloses the information required under the Gas (Processing Facilities Information Disclosure) Rules 2008

Units of Measure

Except for the information in Part 7 (Capacity Summary), respondents may use either imperial or metric units of measure in this information disclosure form. The conditions or assumptions for each measure should be included (for example, '90 mmscfd @ < 10 ppm H₂S' or '600 bpd as natural gasoline'). Preferred units of measure (and context) include the following:

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

