



Licence number	L8752/2013/2	
Licence holder	Woodside Burrup Pty Ltd	
ACN	120 237 416	
Registered business address	240 St Georges Terrace PERTH WA 6000	
DWER file number	2013/002356	
Duration	1/08/2014 to	31/07/2026
Date of issue	28/07/2014	
Date of amendment	24/06/2024	
Premises details	Pluto Liquefied Natural Gas (LNG) Project Lot 384 Deposited Plan 220146, Lot 572 on Deposited Plan 28209 and Lot 574 on Deposited Plan 28209 BURRUP WA 6714 as depicted in Schedule 1	

Prescribed premises category description (Schedule 1, <i>Environmental Protection Regulations 1987</i>)	Assessed production capacity
Category 10 Oil or gas production from wells	6 million tonnes per annual period
Category 34 Oil or gas refining	6 million tonnes per annual period
Category 52 Electric power generation	160 megawatts
Category 61 Liquid waste facility	36,000 – 146,000 tonnes per annual period
Category 85 Sewage facility	68 cubic metres per day

This licence is granted to the licence holder, subject to the attached conditions, on 24 June 2024, by:

Amine Fisher
MANAGER PROCESS INDUSTRIES
REGULATORY SERVICES

an officer delegated under section 20 of the *Environmental Protection Act 1986* (WA)



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Introduction

This Introduction is not part of the Licence conditions.

DER's industry licensing role

The Department of Environment Regulation (DER) is a government department for the state of Western Australia in the portfolio of the Minister for Environment. DER's purpose is to advise on and implement strategies for a healthy environment for the benefit of all current and future Western Australians.

DER has responsibilities under Part V of the *Environmental Protection Act 1986* for the licensing of prescribed premises. Through this process DER works with the business owners, community, consultants, industry and other representatives to prevent, control and abate pollution and environmental harm to conserve and protect the environment. DER also monitors and audits compliance with works approvals and licence conditions, takes enforcement action as appropriate and develops and implements licensing and industry regulation policy.

Licence requirements

This licence is issued under Part V of the *Environmental Protection Act 1986*. Conditions contained within the licence relate to the prevention, reduction or control of emissions and discharges to the environment and to the monitoring and reporting of them.

Where other statutory instruments impose obligations on the Premises/Licensee the intention is not to replicate them in the licence conditions. You should therefore ensure that you are aware of all your statutory obligations under the *Environmental Protection Act 1986* and any other statutory instrument. Legislation can be accessed through the State Law Publisher website using the following link: <http://www.slp.wa.gov.au/legislation/statutes.nsf/default.html>

For your Premises relevant statutory instruments include but are not limited to obligations under the:

- *Environmental Protection (Unauthorised Discharges) Regulations 2004* – these Regulations make it an offence to discharge certain materials such as contaminated stormwater into the environment other than in the circumstances set out in the Regulations.
- *Environmental Protection (Controlled Waste) Regulations 2004* - these Regulations place obligations on you if you produce, accept, transport or dispose of controlled waste.
- *Environmental Protection (Noise) Regulations 1997* – these Regulations require noise emissions from the Premises to comply with the assigned noise levels set out in the Regulations.

You must comply with your licence. Non-compliance with your licence is an offence and strict penalties exist for those who do not comply.



Licence Fees

If you have a licence that is issued for more than one year, you are required to pay an annual licence fee prior to the anniversary date of issue of your licence. Non payment of annual licence fees will result in your licence ceasing to have effect meaning that it will no longer be valid and you will need to apply for a new licence for your Premises.

Ministerial conditions

If your Premises has been assessed under Part IV of the Act you may have had conditions imposed by the Minister for Environment. You are required to comply with any conditions imposed by the Minister.

Premises description and Licence summary

The Pluto gas field was discovered in April 2005 and is located on the North West Shelf of Western Australia, approximately 190 kilometres (km) north-west of Dampier. The Pluto LNG Project processes gas and liquids piped onshore from an offshore riser platform to produce LNG and condensate.

The project consists of two main parts, the offshore component and the onshore component. The offshore component consists of wells feeding a remotely operated offshore riser platform. The offshore component is connected to the onshore component by a gas trunk line that transfers all recovered wellstream gas and liquids from the platform to the gas processing plant. Wellstream gas and liquids are processed so that natural gas, condensate and produced water are separated. Gas is processed to LNG, and the LNG and condensate exported to Asia on specially designed tankers. Approved design capacity for the project is 6 million tonnes per annum of LNG, though nominated throughput is 4.3 million tonnes per annum of LNG.

Woodside Burrup Pty Ltd (WBPL) is a wholly owned subsidiary of Woodside Energy Ltd (WEL), which in turn is a wholly owned subsidiary of Woodside Petroleum Ltd (WPL). WPL is Australia's largest publicly traded oil and exploration and production company. Primary activities include exploration, project development and producing assets.

An amendment was sought by the Licensee to remove conditions relating to ambient air quality and meteorological monitoring in 2016. Ambient air quality monitoring was a requirement of the Air Quality Management Plan developed under Ministerial Statement 757. A pause in the monitoring program was approved by the Office of the Environmental Protection Authority (OEPA) in July 2015. Other amendments were made to the Licence in accordance with template updates and Departmental reform at this time.

The licenses and works approvals issued for the Premises are:



Instrument log		
Instrument	Issued	Description
Letter	24/9/2007	WBPL requested approval for the construction of the LNG and Condensate tanks. Due to the long lead time associated with construction of the tanks, it was necessary for WBPL to commence construction of these facilities prior to the LNG plant and associated infrastructure. Prior to the commissioning of the LNG tanks and associated pipes, WBPL were required to submit a pre-commissioning activities plan.
W4368/2007/1	27/9/2007	Works approval for Sewage Treatment Plant (category 85).
W4444/2008/1	1/9/2008	Works approval for 1 LNG processing train (categories 10 and 34).
W4466/2008/1	3/9/2009	Works approval for Effluent Treatment Plant (category 61 and 85).
L8299/2008/1	5/3/2009	Licence for WWTP (category 85). Note: Licence L8299/2008/1 will be revoked once this licence is issued. This will result in one licence for all facilities at the Pluto LNG Project.
L8299/2008/1	19/05/2011	Licence amendment to change the premises boundary and include categories 12 and 13
L8299/2008/2	22/03/2013	Amendment to remove category 13.
W4444/2008/1 (amendment)	22/10/2010	WBPL applied for an amendment to the works approval on 22 September 2010 to incorporate a temporary warm wet flare to conduct initial commissioning activities of the project until the permanent flare infrastructure was completed WBPL applied for an amendment to this works approval on 9 October 2010 to incorporate crushing and screening operations. This was previously conducted by mobile plant operating under mobile plant licenses, which DER no longer issues. Thus, WBPL was required to hold the approval to conduct these activities at the Pluto LNG Project.
L8299/2008/1 (amendment)	19/5/2011	The premises boundary was amended and categories 12 and 13 were added.
W4444/2008/1 (amendment)	9/08/2012	WBPL applied for an amendment to the works approval on 29 May 2012. Due to unforeseen delays associated with commissioning, the project Plant was not estimated to be fully operational until early 2013. WBPL also advised they were unable to install a sampling point on one of the emergency vent stacks. As a solution, a single sampling point was installed on the pipe upstream of the particular emergency vent stack. This sampling point is located in an accessible location and allows gas sampling to be undertaken.
W4444/2008/1 (amendment)	14/02/2013	WBPL applied for an amendment to the works approval on 20 December 2012 to extend the expiry date to 31 July 2013. Due to unforeseen issues and delays associated with commissioning, the Pluto Gas Plant was not estimated to be fully operational until early 2013. The works approval was to expire on the 31 March 2013 (and was extended during 2012 from 23 August 2012 to this date). The extension allowed WBPL to complete commissioning the facility and required environmental studies for approval closeout.
L8752/2013/1	25/07/2013	New Licence issue for operation.
L8299/2008/1	8/09/2013	Licence revoked to facilitate all prescribed premises categories being managed under Licence L8752/2013/1.
L8752/2013/2	24/07/2014	Licence reissue.
L8752/2013/2	16/04/2015	Licence amendment to change nitrogen and phosphorous targets from concentrations to annual loading rates.
L8752/2013/2	21/01/2016	Amendment to remove ambient air quality monitoring.
L8752/2013/2	24/01/2024	Amendment to extend licence duration of licence to 31/07/2026.



Severance

It is the intent of these Licence conditions that they shall operate so that, if a condition or a part of a condition is beyond the power of this Licence to impose, or is otherwise *ultra vires* or invalid, that condition or part of a condition shall be severed and the remainder of these conditions shall nevertheless be valid to the extent that they are within the power of this Licence to impose and are not otherwise *ultra vires* or invalid.

END OF INTRODUCTION

Licence conditions

1 General

1.1 Interpretation

1.1.1 In the Licence, definitions from the Act apply unless the contrary intention appears.

1.1.2 In the Licence, unless the contrary intention appears:

'Act' means the *Environmental Protection Act 1986*;

'amDEA' means activated methyl diethanolamine;

'AN-M-110' means testing Nitrogen Oxides from stationary sources by gas analyser using in-house AN-M-110 using the National Association of Testing Authorities Australia document dated 14 April 2014;

'annual period' means the inclusive period from 1 April until 31 March in the following year;

'Annual Audit Compliance Report (AACR)' means a report submitted in a format approved by the CEO (relevant guidelines and templates may be available on the Department's website).

'AS 4323.1' means the Australian Standard AS4323.1 *Stationary Source Emissions Method 1: Selection of sampling positions*;

'AS/NZS 5667.1' means the Australian Standard AS/NZS 5667.1 *Water Quality – Sampling – Guidance of the Design of sampling programs, sampling techniques and the preservation and handling of samples*;

'AS/NZS 5667.10' means the Australian Standard AS/NZS 5667.10 *Water Quality – Sampling – Guidance on sampling of waste waters*;

'averaging period' means the time over which a limit is measured or a monitoring result is obtained;

'CEO' means Chief Executive Officer of the Department of Water and Environmental Regulation;

'CEO' for the purpose of correspondence means:

Chief Executive Officer
Department administering the *Environmental Protection Act 1986*
Locked Bag 10
Joondalup DC WA 6919
or
Email: info@dwer.wa.gov.au;



'cfu/100 mL' means colony forming units per 100 millilitres;

'ETP' means Effluent Treatment Plant;

'hPa' means hectopascals;

'Licence' means this Licence numbered L8752/2013/2 and issued under the Act;

'Licensee' means the person or organisation named as Licensee on page 1 of the Licence;

'LNG' means liquefied natural gas;

'MEG' means monoethylene glycol;

'NTU' means Nephelometric Turbidity Units;

'µg/L' means micrograms per litre;

'µS/cm' means micro Siemens per centimetre;

'Licensee' means licence holder and refers to the occupier of the premises being the person to whom this licence has been granted, as specified at the front of this licence;

'NATA' means the National Association of Testing Authorities, Australia;

'NATA accredited' means in relation to the analysis of a sample that the laboratory is NATA accredited for the specified analysis at the time of the analysis;

'normal operating conditions' means any operation of a particular process (including abatement equipment) excluding start-up, shut-down and upset conditions, in relation to stack sampling or monitoring;

'Premises' means the area defined in the Premises Map in Schedule 1 and listed as the Premises address on page 1 of the Licence;

'quarterly' means the 4 inclusive periods from 1 April to 30 June, 1 July to 30 September, 1 October to 31 December and in the following year, 1 January to 31 March;

'Ringelmann Method' means the use of the Ringelmann miniature smoke charts provided by the United Kingdom Solid Fuel Technology Institute;

'Schedule 1' means Schedule 1 of this Licence unless otherwise stated;

'Schedule 2' means Schedule 2 of this Licence unless otherwise stated;

'shut-down' means the period when plant or equipment is brought from normal operating conditions to inactivity;

'spot sample' means a discrete sample representative at the time and place at which the sample is taken.

'stack test' means a discrete set of samples taken over a representative period at normal operating conditions;

'start-up' means the period when plant or equipment is brought from inactivity to normal operating conditions;



'STP dry' means standard temperature and pressure (0°Celsius and 101.325 kilopascals respectively), dry;

'USEPA' means United States (of America) Environmental Protection Agency;

'usual working day' means 0800 – 1700 hours, Monday to Friday excluding public holidays in Western Australia; and

'VOC' means volatile organic compound.

1.1.3 Any reference to an Australian or other standard in the Licence means the relevant parts of the standard in force from time to time during the term of this Licence.

1.1.4 Any reference to a guideline or code of practice in the Licence means the version of that guideline or code of practice in force from time to time, and shall include any amendments or replacements to that guideline or code of practice made during the term of this Licence.

2 Emissions

2.1 General

2.1.1 The Licensee shall record and investigate the exceedance of any descriptive or numerical limit specified in any part of section 2 of this Licence.

2.2 Point source emissions to air

2.2.1 The Licensee is permitted, subject to conditions in the Licence, to emit waste to the atmosphere from the emission points listed in Table 2.2.1 and identified in the Map of emission points in Schedule 1.



Table 2.2.1: Emission points to air

Emission point reference and location on Map of emission points	Emission Point [and source]	Emission point height (m)	Source, including any abatement
A1	PGP 1A-1410 EXH Gas turbine stack	40	1A-1410 Mixed Refrigerant Compressor Gas Turbine
A2a	PGP 1A-1430 NTH Gas turbine with waste heat recovery unit	40	1A-1430 Propane Compressor Gas Turbine
A2b	PGP 1A-1430 STH Gas turbine with waste heat recovery unit	40	1A-1430 Propane Compressor Gas Turbine
A3a	PGP GTG4001 EXH Gas turbine	40	A-4001 Gas Turbine
A3b	PGP GTG4001 WHRU Gas turbine with waste heat recovery unit	40	A-4001 Gas Turbine
A4a	PGP GTG4002 EXH Gas turbine	40	A-4002 Gas Turbine
A4b	PGP GTG4002 WHRU Gas turbine with waste heat recovery unit	40	A-4002 Gas Turbine
A5	PGP GTG4003 EXH Gas turbine	40	A-4003 Gas Turbine
A6	PGP GTG4004 EXH Gas turbine	40	A-4004 Gas Turbine
A7	PGP RTO 1A-1251-B2 EXH Regenerative Thermal Oxidiser Stack	50	1A-1251-B2 Regenerative Thermal Oxidiser
A8	PGP RTO 1A-1251-B1 INL Regenerative Thermal Oxidiser Bypass Stack	50	Acid gas unit and other waste gases
A9a	Nitrogen Rejection Unit High Pressure Stack	45	Nitrogen Rejection Unit
A9b	Nitrogen Rejection Unit Low Pressure Stack	45	Nitrogen Rejection Unit
A10a	Warm Wet Flare – First Stage	130	Warm Wet Flare – Conventional with Air assist
A10b	Warm Wet Flare – Second Stage	130	Warm Wet Flare – Sonic flare tip
A11	Cold Dry Flare	130	Cold Dry Flare - One stage flare with sonic flare tip
A12a	Spare Flare – First Stage	130	Spare Flare – Conventional with Air assist
A12b	Spare Flare – Second Stage	130	Spare Flare – Sonic flare tip
A13a	Storage and Loading Flare Single stage flare with conventional flare tip	60	Storage and Loading Flare System
A13b	Storage and Loading Flare Single stage flares with conventional flare tip	60	Storage and Loading Flare System

2.2.2 The Licensee shall not cause or allow point source emissions to air greater than the limits listed in Table 2.2.2.



Table 2.2.2: Point source emission limits to air

Emission point Reference	Parameter	Limit (including units) ^{1,2,3}	Averaging period
A1 – A7	Oxides of nitrogen	100 mg/m ³	Stack test average over a period not less than 30 minutes
A3 – A6 (operating in low load)	Oxides of nitrogen	140 mg/m ³	Stack test average over a period not less than 30 minutes
A10 - 13	Dark smoke	No dark smoke emissions of a shade of Ringelmann 3 or greater	Continuous 30 minute period

Note 1: All units are referenced to STP dry

Note 2: Units for A1 – A6 are referenced to 15% O₂

Note 3: Unit for A7 is referenced to 3% O₂

2.2.3 The Licensee is exempt from compliance from condition 2.2.2 if in the case of an event in Table 2.2.3 the corresponding management action is taken.

Table 2.2.3: Management actions

Emission point reference	Event/ action reference	Event	Management action
A1 – A13	EA1	Start up, shut down or upset conditions	The Licensee shall take all reasonably practical measures to minimise emissions

2.3 Point source emissions to surface waters

2.3.1 The Licensee is permitted, subject to conditions in the Licence, to emit wastes to surface water from the emissions points listed in Table 2.3.1 and identified in the Map of emission points in Schedule 1.

Table 2.3.1: Emission points to surface waters

Emission point reference and location on Map of emission points	Emission point reference	Description	Source
W1	Tie-in to Multi-user Brine Return Line	Tie-in to Water Corporation's discharge pipe to King Bay	Treated effluent from ETP

2.4 Emissions to land

2.4.1 The Licensee is permitted, subject to conditions in the Licence, to emit waste to land through the emissions points listed in 2.4.1 and identified in the Map of emission points in Schedule 1.



Table 2.4.1: Emissions to land

Emission point reference and location on Map of emission points	Emission point reference	Description	Source
L2	Dust suppression pipe for reuse onsite	Pipe feeding water trucks for use in dust suppression on roads.	Treated effluent from the ETP
L3	Irrigation system	Pipe feeding irrigation field	Treated effluent from the WWTP
L4	Irrigation system	Pipe feeding irrigation field	Treated effluent from the ETP

2.4.2 The Licensee shall not cause or allow emissions to land greater than the limits listed in Table 2.4.2.

Table 2.4.2: Emission limits to land

Emission point Reference	Parameter	Limit (including units)	Averaging period
L2	pH	6 – 9 pH units	Spot Sample
	<i>E.coli</i>	10 cfu/100 mL*	
	5 day Biochemical Oxygen Demand	20mg/L	
	Total Suspended Solids	30 mg/L	
	Turbidity	5 NTU	
	Inorganic Nitrogen	30 mg/L	
	Total Nitrogen	50 mg/L	
	Reactive Phosphorus	7.5 mg/L	
	Total Phosphorus	12 mg/L	
	Arsenic	2 mg/L	
	Chromium	1 mg/L	
	Cobalt	0.1 mg/L	
	Copper	5 mg/L	
	Lead	5 mg/L	
	Manganese	10 mg/L	
	Mercury	0.002 mg/L	
	Molybdenum	0.05 mg/L	
	Nickel	2 mg/L	
	Vanadium	0.5 mg/L	
Zinc	5 mg/L		
Oil and Grease	10 mg/L		
L3	5 day Biochemical Oxygen Demand	20 mg/L	Spot sample
	Total Suspended Solids	30 mg/L	
	<i>E.coli</i>	1000 cfu/100 mL	
	pH	6 – 9 pH units	Annual
	Load of Total Nitrogen	480 kg/ha	
	Load of Total Phosphorus	120 kg/ha	
L4	pH	6 – 9 pH units	Spot sample
	<i>E.coli</i>	10 cfu/100 mL*	
	5 day Biochemical Oxygen Demand	20mg/L	
	Total Suspended Solids	30 mg/L	
	Turbidity	5 NTU	
	Arsenic	2 mg/L	
	Chromium	1 mg/L	
	Cobalt	0.1 mg/L	
Copper	5 mg/L		



Table 2.4.2: Emission limits to land

	Lead	5 mg/L	
	Manganese	10 mg/L	
	Mercury	0.002 mg/L	
	Molybdenum	0.05 mg/L	
	Nickel	2 mg/L	
	Vanadium	0.5 mg/L	
	Zinc	5 mg/L	
	Oil and Grease	10 mg/L	
	Load of Total Nitrogen	480 kg/ha	Annual
	Load of Total Phosphorus	120 kg/ha	

3 Monitoring

3.1 General monitoring

- 3.1.1 The licensee shall ensure that for monitoring specified in the Licence:
- (a) all water samples are collected and preserved in accordance with AS/NZS 5667.1, with the exception of holding times where these are not achievable;
 - (b) all wastewater sampling is conducted in accordance with AS/NZS 5667.10; and
 - (c) all laboratory samples are submitted to and tested by a laboratory with current NATA accreditation for the parameters being measured.
- 3.1.2 The Licensee shall ensure that for monitoring specified in the Licence:
- (a) monthly monitoring is undertaken at least 15 days apart;
 - (b) quarterly monitoring is undertaken at least 45 days apart; and
 - (c) annual monitoring is undertaken at least 9 months apart.
- 3.1.3 The Licensee shall record production or throughput data and any other process parameters, relevant to any non-continuous or CEMS monitoring undertaken in accordance with the conditions of the Licence.
- 3.1.4 The Licensee shall have all emissions monitoring equipment (for monitoring referred to in any condition of the Licence) calibrated in accordance with the manufacturer’s specifications or internal management system.
- 3.1.5 The Licensee shall, where the requirements for calibration cannot be practicably met, or a discrepancy exists in the interpretation of the requirements, bring these issues to the attention of the CEO accompanied with a report comprising details of any modifications to the methods.

3.2 Monitoring of point source emissions to air

- 3.2.1 The Licensee shall undertake the monitoring in Table 3.2.1 according to the specifications in that table.



Table 3.2.1: Monitoring of point source emissions to air

Emission point reference	Parameter	Units ^{1,2,3}	Frequency ⁴	Averaging period	Method
A1 – A7	Oxides of nitrogen	mg/m ³	Annually	Stack Test (Minimum 30 minute)	AN-M-110 or USEPA Method 7E
A10 – A13	Dark smoke emissions	Ringelmann shade	During flaring events where a shade greater than Ringelmann 1 emitted for a period of 30 minutes or more	Test Specific	Ringelmann Method
	Volumes of hydrocarbons flared	tonnes	During flaring events	Duration of flaring event	National Greenhouse and Energy Reporting (Measurement) Determination 2008.

Note 1: All concentration units for A1-A7 are referenced to STP dry.

Note 2: All concentration units for A1-A6 are referenced to 15% O₂.

Note 3: Concentration units for A7 are referenced to 3% O₂.

Note 4: Monitoring for A1-A7 shall be undertaken to reflect normal operating conditions.

3.2.2 The Licensee shall ensure that sampling A1-A7 required under condition 3.2.1 of the Licence is undertaken at sampling locations in compliance with the AS4323.1.

3.2.3 The Licensee shall ensure that all non-continuous sampling and analysis for A1-A7 undertaken pursuant to condition 3.2.1 is undertaken by a holder of NATA accreditation for the relevant methods of sampling and analysis.

3.3 Monitoring of point source emissions to surface water

3.3.1 The Licensee shall undertake the monitoring in Table 3.3.1 according to the specifications in that table.

Table 3.3.1: Monitoring of point source emissions to surface water

Emission point reference	Parameter	Units	Averaging period	Frequency
W1	Hydrocarbons	mg/L	Spot sample	Quarterly
	Total free and dissolved hydrocarbons			
	Benzene			
	Total PAHs			
	Phenol			
	Metals	µg/L		
	Total Chromium			
	Chromium (VI)			
	Lead			
	Nickel			
	Zinc			
	Cadmium			
	Copper			
	Mercury			
	Silver			
Others				



Table 3.3.1: Monitoring of point source emissions to surface water

	Temperature	°C		
	pH	pH units		
	Sulphide	mg/L		
	Total Suspended Solids			
	Total Dissolved Solids			
	Total Organic Carbon			
	Process Additives			
	MEG			
	aMDEA			
	Nutrients			
	Total Phosphorus			
	Total Nitrogen			
	Ammonia Nitrogen (as N)			
	Total Kjeldahl-N (as N)			

3.4 Monitoring of emissions to land

3.4.1 The Licensee shall undertake the monitoring in Table 3.4.1 according to the specifications in that table.

Table 3.4.1: Monitoring of emissions to land

Emission point reference	Parameter	Units	Averaging period	Frequency
L3	Volumetric flow rate (cumulative)	m ³ /day	Monthly	Continuous
	Total Nitrogen	mg/L	Spot sample	Quarterly
	Total Phosphorus			
	5 day Biochemical Oxygen Demand			
	Total Suspended Solids			
	<i>E.coli</i>			
	pH	pH units		

3.4.2 In the event that discharge to L2 or L4 is required, the Licensee shall undertake monitoring in accordance with the Contingency Wastewater Management Plan outlined in the Pluto LNG Project Marine Treated Water Management Plan-

4 Information

4.1 Records

4.1.1 All information and records required by the Licence shall:

- (a) be legible;
- (b) if amended, be amended in such a way that the original and subsequent amendments remain legible or are capable of retrieval;
- (c) except for records listed in 4.1.1(d) be retained for at least 6 years from the date the records were made or until the expiry of the Licence or any subsequent licence; and
- (d) for those following records, be retained until the expiry of the Licence and any subsequent Licence:
 - (i) off-site environmental effects; or
 - (ii) matters which affect the condition of the land or waters.

4.1.2 The Licensee shall ensure that:

- (a) any person left in charge of the Premises is aware of the conditions of the Licence and has access at all times to the Licence or copies thereof; and



- (b) any person who performs tasks on the Premises is informed of all of the conditions of the Licence that relate to the tasks which that person is performing.

4.1.3 The Licensee shall complete an Annual Audit Compliance Report (AACR) indicating the extent to which the Licensee has complied with the conditions of the Licence, and any previous licence issued under Part V of the Act for the Premises for the previous annual period.

4.1.4 The Licensee shall implement a complaints management system that as a minimum records the number and details of complaints received concerning the environmental impact of the activities undertaken at the Premises and any action taken in response to the complaint.

4.2 Reporting

4.2.1 The Licensee shall submit to the CEO an Annual Environmental Report (AER) within 90 calendar days after the end of the annual period. The report shall contain the information listed in Table 4.2.1 in the format or form specified in that table.

Table 4.2.1: Annual Environmental Report		
Condition or table (if relevant)	Parameter	Format or form¹
2.1.1	Exceedance of any limit specified in the Licence	N1
Table 3.2.1	Oxides of nitrogen, Dark smoke monitoring	None specified
Table 3.3.1	Total free hydrocarbons, Total dissolved hydrocarbons (including BTEX), Benzene, Total PAHs, Phenol, Total Chromium, Chromium (VI), Lead, Nickel, Zinc, Cadmium, Copper, Mercury, Silver, Temperature, pH, Sulphide, Total Suspended Solids, Total Dissolved Solids, , Total Organic Carbon, MEG, aMDEA, , Total Phosphorus, Total Nitrogen, Ammonia Nitrogen (as N), Total Kjeldahl-N (as N)	None specified
Table 3.4.1	Total Nitrogen, Total Phosphorus, 5 day Biochemical, Oxygen Demand, Total Suspended Solids, <i>E.coli</i>	None specified
	Annual loading rates of nitrogen and phosphorous	None specified
3.4.2	Discharge to L2 or L4 as applicable	None specified
4.1.3	Compliance	Annual Audit Compliance Report (AACR)
5.1.4	Complaints summary	None specified

Note 1: Forms are in Schedule 2

4.2.2 The Annual Environmental Report shall also contain:

- (a) any relevant process, production or operational data recorded under condition 3.1.3;
- (b) an assessment of the information contained within the report against previous monitoring results and Licence limits; and
- (c) an assessment of data recorded under condition 3.3.1 against the criteria specified in the Pluto LNG Project Treated Waste Water Management Plan.

4.2.3 The Licensee shall submit the information in Table 4.2.2 to the CEO according to the specifications in that table.



Table 4.2.2: Non-annual reporting requirements				
Condition or table (if relevant)	Parameter	Reporting period	Reporting date (after end of the reporting period)	Format or form
-	Copies of original monitoring reports submitted to the Licensee by third parties	Not Applicable	Within 14 days of the CEOs request	As received by the Licensee from third parties
-	Quarterly shutdown report containing information regarding LNG plant shutdowns and associated flaring, and Regenerative Thermal Oxidiser status that have occurred in the quarter.	Quarterly	28 calendar days	N/A

4.3 Notification

4.3.1 The Licensee shall ensure that the parameters listed in Table 4.3.1 are notified to the CEO in accordance with the notification requirements of the table.

Table 4.3.1: Notification requirements			
Condition or table (if relevant)	Parameter	Notification requirement¹	Format or form²
2.2.2	Breach of any limit specified in the Licence	Part A: As soon as practicable but no later than 5 pm of the next usual working day. Part B: As soon as practicable.	N1
2.2.5	Start up, shut down or upset conditions of the LNG plant with actual or expected dark smoke emissions in excess of limit	As soon as practicable, but no later than 5 pm of the next usual working day.	None specified

Note 1: Notification requirements in the Licence shall not negate the requirement to comply with s72 of the Act.

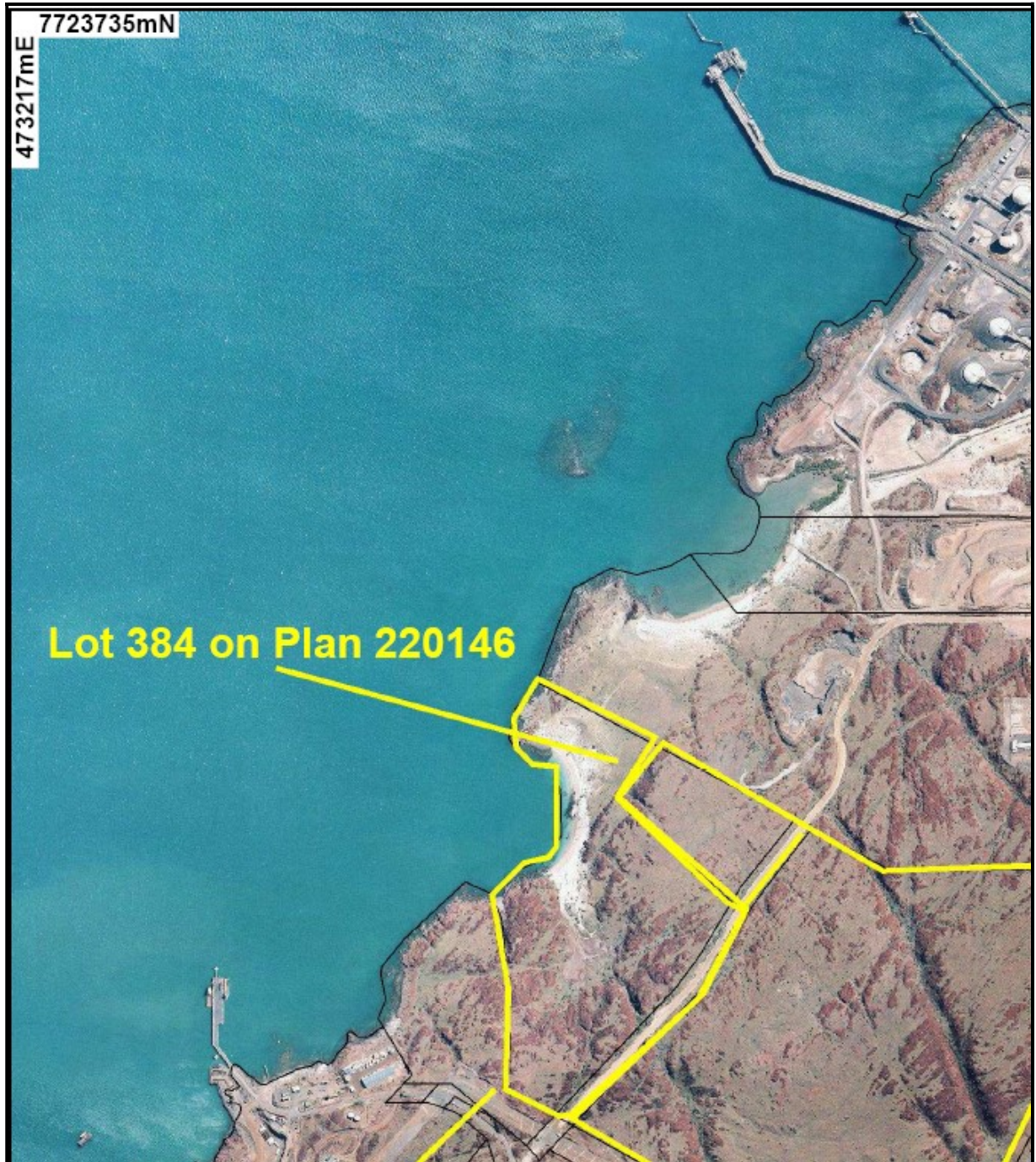
Note 2: Forms are in Schedule 2



Schedule 1: Maps

Premises map

The Premises is shown in the map below. The yellow line defines the Premises.





Map of emission points and monitoring locations

The locations of the emission points defined in Tables 2.2.1, 2.3.1 and 2.4.1 are shown below. The locations of the monitoring points defined in Tables 3.2.1, 3.3.1 and 3.4.1 are shown below.

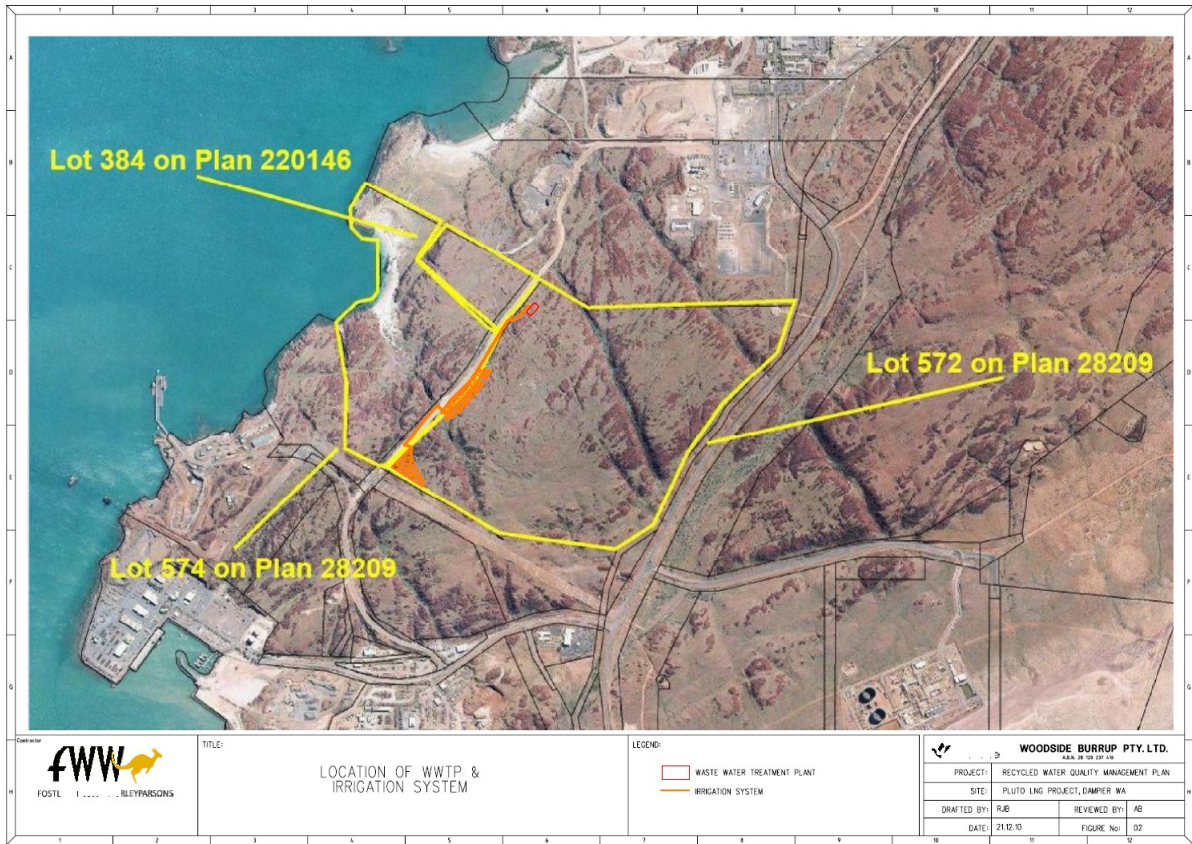




Map of emission points (Irrigation)

The locations of the emission points defined in 2.4.1 are shown below.

Irrigation System





Schedule 2: Reporting & notification forms

These forms are provided for the proponent to report monitoring and other data required by the Licence. They can be requested in an electronic format.



Licence: L8752/2013/2
Form: N1

Licensee: Woodside Burrup Pty Ltd
Date of breach:

Notification of detection of the breach of a limit.

These pages outline the information that the operator must provide. Units of measurement used in information supplied under Part A and B requirements shall be appropriate to the circumstances of the emission. Where appropriate, a comparison should be made of actual emissions and authorised emission limits.

Part A

Licence Number	L8752/2013/2
Name of operator	Woodside Burrup Pty Ltd
Location of Premises	
Time and date of the detection	

Notification requirements for the breach of a limit	
Emission point reference/ source	
Parameter(s)	
Limit	
Measured value	
Date and time of monitoring	
Measures taken, or intended to be taken, to stop the emission	

Part B

Any more accurate information on the matters for notification under Part A.	
Measures taken, or intended to be taken, to prevent a recurrence of the incident	
Measures taken, or intended to be taken, to rectify limit breach.	
The dates of any previous N1 notifications for the Premises in the preceding 24 months.	

Name	
Post	
Signature on behalf of Woodside Burrup Pty Ltd	
Date	