Annual Audit Compliance Report Form

Environmental Protection Act 1986, Part V Division 3

Once completed, please submit this form either via email to info@dwer.wa.gov.au, or to the below postal address:

Department of Water and Environmental Regulation Locked Bag 10 Joondalup DC WA 6919

Section A – Licence details			
Licence number:	L9225/2019/1	Licence file number:	DER2019/000441
Licence holder name:	Chevron Australia Pty Ltd		
Trading as:	Chevron Australia Pty Ltd		
ACN:	086 197 757		
Registered business address:	Level 1 162 Grand Boulevard JOONDALUP WA 6027		
Reporting period:	01 / 07 / 2022 to 30 / 06 / 2023		

Section B -	Statement of	compliance with	licence conditions
Section D -	Statement 0	Compliance with	nicence contantons

Did you comply with all of your licence conditions during the reporting period? (Please tick the appropriate box)

- ☐ Yes please complete:
 - section C;
 - section D (if required); and
 - sign the declaration in Section F.
- \boxtimes No please complete:
 - section C;
 - section D (if required);
 - section E; and
 - sign the declaration in Section F.

Section C – Statement of actual production

Provide the actual production quantity for this reporting period. Supporting documentation is to be attached.

Prescribed premises category	Actual production quantity	
Category 61: Liquid waste facility	810,192 tonnes	
Category 54: Sewage facility premises	Limit: 816m³ per day	
Category 10: Oil or gas production from wells	LNG: 10,455,458 tonnes	
Category 34: Oil or gas refining	Condensate: 1,361,209 tonnes	
Category 52: Electric power generation	41 MW	

Section D – Statement of actual Part 2 waste discharge quantity		
Provide the actual Part 2 waste discharge quantity for this reporting period. Supporting documentation is to be attached.		
Prescribed premises category Actual Part 2 waste discharge quantity		
NA NA		

Section E – Details of non-compliance with licence condition Please use a separate page for each condition with which the licence holder was non-compliant at a time during the reporting period. Date(s) of non-Condition 1. Table 1 Condition no: 25/02/2023 compliance: Details of non-compliance: Condition 1, Table 1 Infrastructure (Equipment operational requirements - Low pressure flare system) Flaring from the low pressure flare system at the Wheatstone LNG Plant occurred during normal operating conditions. The event occurred at 8:03pm on 25 February 2023 ceasing at 3:02am on 26 February 2023. Condensate stabilisers 1, 2 and 3 were in normal operation, with C-1111, C1121, and C-1131 overhead gas compressors running. Due to a rapid change in ambient conditions from a heavy rainfall event the overhead gas compressors went into low temperature alarms across all 3 stages, which required them to be shutdown. Overheads gas, instead of being routed to LNG trains 1 and 2, was routed to the low-pressure flare system. The event was reported to DWER on 28 February 2023. What was the actual (or suspected) environmental impact of the non-compliance? **NOTE** – please attach maps or diagrams to provide insight into the precise location of where the non-compliance took place. There was an incidental increase in emissions from the low pressure flare otherwise there was no known actual or suspected environmental impact. Cause (or suspected cause) of non-compliance: During a heavy rainfall event, the gas to the compressors as well as the inter-stage recycles are cooled to the extent that liquid can form in the gas. The extent of cooling depends on the severity and duration of the rain. The design allows for this to occur for a limited time after which the compressors must be stopped. Action taken to mitigate any adverse effects of non-compliance and prevent recurrence of the non-compliance: The interim solution for the stabiliser compressors comprised running the compressors in superheat mode in lieu of the risk of liquid formation in the respective suction stages and associated damage to the compressors. The implementation of engineering modifications is under evaluation to prevent recurrence. Was this non-compliance previously reported to DWER? Yes, and Reported to DWER verbally Date: Reported to DWER in writing 28/02/2023 Date:

Section E – Detail	s of non-compliance with li	cence condition		
Please use a separate page for each condition with which the licence holder was non-compliant at a time during the reporting period.				
Condition no:	Condition 3, Table 3	Date(s) of non- compliance:	01/05/2023	
Details of non-com	pliance:			
Condition 3, Table	3 Discharge to air limits (dark	smoke).		
2023 for loading. T	ed through the marine flare sy The flaring resulted in dark sm 11am and 5:10pm. The event	noke of a shade of Rin	gelmann 3 or greater for a	
What was the actua	al (or suspected) environmen	tal impact of the non-c	ompliance?	
NOTE – please atta non-compliance too	ach maps or diagrams to provok place.	vide insight into the pre	ecise location of where the	
Cause (or suspected	ed cause) of non-compliance:	:		
During the step to cool down the warm ship, the operations undertaken to suppress dark smoke were not fully effective in reducing the dark smoke below Ringelmann 3.				
Action taken to mitigate any adverse effects of non-compliance and prevent recurrence of the non-compliance:				
The presence of dark smoke was identified and monitored. Operators made process changes in an attempt to suppress generation. Once the gas was within specification it was diverted to the boil off gas compressors at the earliest opportunity. Chevron is continuing to investigate the cause of dark smoke to prevent recurrence of similar events.				
Was this non-compliance previously reported to DWER?				
☐ Reported to DWER verbally Date: / /				
□ Reported to	DWER in writing	Date: 03 / 05 / 2023	3	

Section F Detail	s of non compliance with li	iconos condition	
Section E – Details of non-compliance with licence condition			
Please use a separate page for each condition with which the licence holder was non-compliant at a time during the reporting period.			
Condition no:	Condition 3, Table 3	Date(s) of non- compliance:	15/05/2023
Details of non-com	pliance:		
Condition 3, Table	3 Discharge to air limits (dark	smoke).	
fugitive emissions, pump/turbine seal opressure (LP) flare	ing (e.g., pilot and purge resemble purges from sampling gas loses) was directed through system was undergoing man 3) for a period between 06:44 on 22 May 2023.	g connections, hydroc gh the high pressure (h aaintenance. The flarin	arbon analyser flows, and HP) flare system as the low ng resulted in dark smoke
What was the actua	al (or suspected) environmen	tal impact of the non-c	ompliance?
NOTE – please atta	ach maps or diagrams to provok place.	vide insight into the pre	ecise location of where the
There was a period	of dark smoke with no know	n actual or suspected	environmental impact.
Cause (or suspected	ed cause) of non-compliance:	1	
During the maintenance of the LP flare system, low pressure flows were directed to the HP flare system, which was not able to operate smokeless under such low-pressure conditions. Operations undertaken to suppress dark smoke were not fully effective.			
Action taken to mitigate any adverse effects of non-compliance and prevent recurrence of the non-compliance:			
The presence of dark smoke was identified and monitored. Operators made process changes in an attempt to suppress generation. Once the LP maintenance work was completed, the flow was directed back to the LP flare system. Chevron is continuing to investigate mitigations for dark smoke when LP flows are directed to the HP flare system to prevent recurrence of similar events.			
Was this non-compliance previously reported to DWER?			
☐ Reported to DWER verbally Date: / /			
□ Reported to	DWER in writing	Date: 22 / 05 / 2023	}

Section E – Detail	s of non-compliance with li	cence condition	
Please use a separate page for each condition with which the licence holder was non-compliant at a time during the reporting period.			
Condition no:	Condition 3, Table 3	Date(s) of non- compliance:	31/12/2022
Details of non-com	pliance:		
Condition 3, Table	3 (Discharge to air limits).		
which was an LNG	iated with the high pressure 3 Train Trip due to high amb ed from 1:10pm ceasing at 6:	oient temperatures. A	shade of Ringelmann 3 or
The exemption in Condition 4 would have applied to this event because the dark smoke occurred during upset conditions. However, Chevron notified DWER of the management actions on 10 January 2023, which was outside the required 7-day notification period. Due to the late notification of the management actions, Chevron was unable to apply the Condition 4 exemption for compliance with Condition 3.			
What was the actua	al (or suspected) environmen	tal impact of the non-c	ompliance?
NOTE – please atta	ach maps or diagrams to provok place.	vide insight into the pre	ecise location of where the
There was no know	vn actual or suspected enviro	nmental impact.	
Cause (or suspected	ed cause) of non-compliance:	:	
Extreme ambient conditions contributed to a process temperature disturbance in Unit 1500 which resulted in dark smoke.			
Action taken to mitigate any adverse effects of non-compliance and prevent recurrence of the non-compliance:			
The presence of dark smoke was identified and monitored. Operators made process changes in an attempt to suppress generation. Once the LNG train was restarted, flaring ceased as soon as reasonably practicable. A review of reporting processes was initiated in order to ensure compliance with the notification requirements in Condition 4, Table 4 so that the exemption for compliance with Condition 3 can be applied in future.			
Was this non-compliance previously reported to DWER?			
☐ Reported to DWER verbally Date: / /			
□ Reported to	DWER in writing	Date: 10/01/2023	

Section E – Details of non-compliance with licence condition

Please use a separate page for each condition with which the licence holder was non-compliant at a time during the reporting period.

Condition no:	Condition 3, Table 3	Date(s) of non-compliance:	07/03/2023 & 11/03/2023
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Details of non-compliance:

Condition 3, Table 3 (Discharge to air limits).

During a continuous period of upset conditions caused by a complete facility shut down and restart, dark smoke of a shade of Ringlemann 3 or greater associated with the high pressure flare system was recorded on two occasions on the following dates:

- 07/03/2023: 6:18am to 12:52pm.
- 11/03/2023: 6:19am to 6:29pm.

As per Condition 4, Table 4 (Management Actions), a notification was submitted to DWER on 8 March 2023 in relation to a dark smoke event on 6 March 2023. Chevron also notified DWER at that time that additional unavoidable periods with dark smoke of a shade of Ringlemann 3 or greater for periods beyond 30 minutes would likely continue for approximately 7 days (in association with the shutdown activities). The final flaring event as part of the upset conditions occurred on 15 March 2023 but this event did not trigger the limit for dark smoke in Condition 3, Table 3. Chevron submitted a consolidated notification to DWER on 22 March 2023 covering the final flaring event on 15 March 2023 and the management actions for the dark smoke events on 7 and 11 March 2023.

The exemption in Condition 4 would have applied to the events on 7 and 11 March 2023 because the dark smoke occurred during upset conditions. However, Chevron notified DWER of the management actions on 22 March 2023, which was outside the required 7-day notification period for the events on 7 and 11 March 2023. Due to the late notification of the management actions, Chevron was unable to apply the Condition 4 exemption for compliance with Condition 3 for the events on 7 and 11 March 2023.

What was the actual (or suspected) environmental impact of the non-compliance?

NOTE – please attach maps or diagrams to provide insight into the precise location of where the non-compliance took place.

There was no known actual or suspected environmental impact.

Cause (or suspected cause) of non-compliance:

The Wheatstone Facility was shut down and a restart was undertaken for both LNG Trains 1 and 2 and also the Domestic Gas Plant. The high pressure flare system was utilised as part of the startup and dark smoke was emitted from the flare system.

Action taken to mitigate any adverse effects of non-compliance and prevent recurrence of the non-compliance:

The presence of dark smoke was identified and monitored. Operators made process changes in an attempt to suppress generation during the flaring period. A review of reporting processes was initiated in order to ensure compliance with the notification requirements in Condition 4, Table 4 so that the exemption for compliance with Condition 3 can be applied in future.

Section E – Details of non-compliance with licence condition		
Was this non-compliance previously reported to DWER?		
☐ Reported to DWER verbally Date: / /		
□ Reported to DWER in writing Date: 22/03/2023		

Section E – Details	of non-compliance with licer	nce condition	
Please use a separ at a time during the	rate page for each condition vertex reporting period.	with which the licence I	nolder was non-compliant
Condition no:	Condition 3, Table 3	Date(s) of non- compliance:	15/10/2022
Details of non-com	pliance:		
recorded for a period	shade of Ringelmann 3 or good greater than 30 minutes or was the Domestic Gas Plann.	n 15 October 2022 bety	veen 10.20am to 12.30pm.
The exemption in Condition 4 would have applied to this event because the dark smoke occurred during upset conditions. However, Chevron notified DWER of the management actions on 21 March 2023, which was outside the required 7-day notification period. Due to the late notification of the management actions, Chevron was unable to apply the Condition 4 exemption for compliance with Condition 3.			
What was the actua	al (or suspected) environmen	tal impact of the non-c	ompliance?
	ach maps or diagrams to prov	•	•
There was no known actual or suspected environmental impact.			
Cause (or suspected	ed cause) of non-compliance		
The dark smoke from the high pressure flare system was caused by an upset condition. The Domestic Gas Plant compressor tripped, which resulted in the shut down of the Domestic Gas Plant train.			
Action taken to mitigate any adverse effects of non-compliance and prevent recurrence of the non-compliance:			
The presence of dark smoke was identified and monitored. Operators made process changes in an attempt to suppress generation during the flaring period. Chevron has updated its internal procedures to provide further guidance for relevant personnel on the reporting requirement to notify the CEO of DWER in writing of the information set out in Table 4 of Condition 4.			
Was this non-compliance previously reported to DWER?			
⊠ Yes, and			
☐ Reported to	DWER verbally	Date: / /	
□ Reported to	DWER in writing	Date: 21/03/2023	

Section E – Details	of non-compliance with licer	nce condition	
Please use a separate page for each condition with which the licence holder was non-compliant at a time during the reporting period.			
Condition no:	Condition 3, Table 3	Date(s) of non- compliance:	28/10/2022
Details of non-com	pliance:		
recorded for a period	shade of Ringelmann 3 or good greater than 30 minutes on was the Domestic Gas Plann.	on 28 October 2022 be	etween 5:30pm to 6.00pm.
The exemption in Condition 4 would have applied to this event because the dark smoke occurred during upset conditions. However, Chevron notified DWER of the management actions on 21 March 2023, which was outside the required 7-day notification period. Due to the late notification of the management actions, Chevron was unable to apply the Condition 4 exemption for compliance with Condition 3.			
What was the actua	al (or suspected) environmen	tal impact of the non-c	ompliance?
	ach maps or diagrams to prov	•	•
There was no know	vn actual or suspected enviro	nmental impact.	
Cause (or suspected	ed cause) of non-compliance	:	
The dark smoke from the high pressure flare system was caused by an upset condition. The Domestic Gas Plant compressor tripped, which resulted in the shut down of the Domestic Gas Plant train.			
Action taken to mitigate any adverse effects of non-compliance and prevent recurrence of the non-compliance:			
The presence of dark smoke was identified and monitored. Operators made process changes in an attempt to suppress generation during the flaring period. Chevron has updated its internal procedures to provide further guidance for relevant personnel on the reporting requirement to notify the CEO of DWER in writing of the information set out in Table 4 of Condition 4.			
Was this non-compliance previously reported to DWER?			
☐ Reported to DWER verbally Date: / /			
□ Reported to	DWER in writing	Date: 21/03/2023	

Section E – Details	of non-compliance with licer	nce condition	
Please use a separate page for each condition with which the licence holder was non-compliant at a time during the reporting period.			
Condition no:	Condition 3, Table 3	Date(s) of non- compliance:	08/01/2023
Details of non-com	pliance:		
recorded for a perio	shade of Ringelmann 3 or god greater than 30 minutes on sthe Domestic Gas Plant tripp	8 January 2023 between	een 6:15am to 2.50pm. The
during upset condi September 2023,	Condition 4 would have applie tions. However, Chevron no which was outside the requanagement actions, Chevron Condition 3.	tified DWER of the mulired 7-day notification	nanagement actions on 14 n period. Due to the late
What was the actua	al (or suspected) environmen	tal impact of the non-c	ompliance?
	ach maps or diagrams to prov	•	·
There was no know	vn actual or suspected enviro	nmental impact.	
Cause (or suspected	ed cause) of non-compliance	:	
The dark smoke from the high pressure flare system was caused by an upset condition. The Domestic Gas Plant compressor tripped, which resulted in the shut down of the Domestic Gas Plant train.			
Action taken to mitigate any adverse effects of non-compliance and prevent recurrence of the non-compliance:			
The presence of dark smoke was identified and monitored. Operators made process changes in an attempt to suppress generation during the flaring period. Chevron has updated its internal procedures to provide further guidance for relevant personnel on the reporting requirement to notify the CEO of DWER in writing of the information set out in Table 4 of Condition 4.			
Was this non-compliance previously reported to DWER?			
⊠ Yes, and			
☐ Reported to DWER verbally Date: / /			
☐ Reported to	DWFR in writing	Date: 14/09/2023	

Section E – Details of non-compliance with licence condition			
Please use a separate page for each condition with which the licence holder was non-compliant at a time during the reporting period.			
Condition no:	Condition 9	Date(s) of non-compliance:	July, August, October & December 2022
Details of non-com	pliance:		
Condition 9 requires that all monitoring equipment used to comply with condition 14 is maintained so as to provide valid data for greater than 90% of the measurement intervals in every calendar month, and greater than 95% of the measurement intervals over any 12 consecutive calendar months.			
During July, August, October and December 2022, the hourly averaged parameter data capture was less than 90% due to equipment issues. The 12-month average data capture was below 95% for NOx, NO, NO ₂ , SO ₂ and CO.			
What was the actua	al (or suspected) environmen	tal impact of the non-c	ompliance?
NOTE – please atta	ach maps or diagrams to prov ok place.	vide insight into the pre	cise location of where the
There was no know	vn actual or suspected enviro	nmental impact.	
Cause (or suspecte	ed cause) of non-compliance	:	
The equipment used for air monitoring at the Onslow Townsite experienced reliability issues. Servicing of the equipment was conducted at the frequency stated in the relevant Australian Standard. When the equipment experienced issues, repairs were conducted on site by instrument service technicians.			
The equipment reliability issues caused the following:			
• Between 1 to 7 July and 26 to 31 July 2022, the NOX, NO and NO ₂ spans were reading low and may be biased. While strictly invalid, the data are nonetheless indicative and suitable for comparison to the guideline.			
• There were issues with the SO ₂ analyser between July 2022 to August 2022. This led to measurement data either being invalidated or considered indicative only.			
• Between 1 to 9 August and 25 to 31 August 2022, spans were reading low by 10% and reading high by 20% respectively. Data may be biased similarly.			
CO analyser faults occurred in October and December 2022.			
Action taken to mitigate any adverse effects of non-compliance and prevent recurrence of the non-compliance:			
There were no recorded adverse effects from the event. Remedial actions are underway to improve equipment reliability and data capture rates to prevent recurrence.			
Was this non-compliance previously reported to DWER?			
☐ Yes, and			
Reported to	DWER verbally	Date: / /	
☐ Reported to	DODWER in writing Date:		

Section E – Details of non-compliance with licence condition			
Please use a separate page for each condition with which the licence holder was non-compliant at a time during the reporting period.			
Condition no:	Condition 8	Date(s) of non- compliance:	November & December 2022
Details of non-com	pliance:		
Condition 8 requires 15 days between samples taken in consecutive months. During November and December 2022, there were less than 15 days between air quality monitoring samples taken. The November monthly sampling ended on 24 November 2022 and the December monthly sampling commenced on 6 December 2022, which was less than 15 days (12 days).			
What was the actua	al (or suspected) environmen	tal impact of the non-c	ompliance?
NOTE – please attach maps or diagrams to provide insight into the precise location of where the non-compliance took place.			
There was no know	n actual or suspected enviro	nmental impact as a re	sult of the non-compliance.
Cause (or suspected	ed cause) of non-compliance	:	
The sampling schedule was altered for personnel availability to perform the sampling, which meant that the minimum 15 days between monthly sampling was not met.			
Action taken to mitigate any adverse effects of non-compliance and prevent recurrence of the non-compliance:			
No adverse effects were recorded from the event. Chevron has allocated the required number of personnel for sampling to meet the monthly sampling requirements in Condition 8. All samples taken in the reporting period since the event were conducted as per Condition 8.			
Was this non-compliance previously reported to DWER?			
☐ Yes, and			
☐ Reported to	DWER verbally	Date: / /	
☐ Reported to	DWER in writing	Date:	

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Section E – Details of non-compliance with licence condition			
Please use a separate page for each condition with which the licence holder was non-compliant at a time during the reporting period.			
Condition no:	Condition 20, Table 11	Date(s) of non- compliance:	09/12/2022
Details of non-com	pliance:		
From 9 December 2022 to the end of the reporting period, the online pH analyser had lost sensitivity, but the data did not indicate that the pH sensor was offline (i.e., the data was still being captured). Upon further interrogation of the data, it was confirmed in September 2023 that the analyser had not been functioning correctly and the pH parameter was not being recorded continuously. The Licence requires pH to be recorded continuously to determine a daily average of pH from discharged water to the marine environment.			
What was the actua	al (or suspected) environmen	tal impact of the non-c	ompliance?
What was the actual (or suspected) environmental impact of the non-compliance? NOTE – please attach maps or diagrams to provide insight into the precise location of where the non-compliance took place.			
There was no know	vn actual or suspected enviro	nmental impact from t	he non-compliance.
Cause (or suspected	ed cause) of non-compliance		
The cause of the malfunction is currently being investigated.			
Action taken to mitigate any adverse effects of non-compliance and prevent recurrence of the non-compliance:			
No adverse effects were recorded from the event. During the reporting period, routine monitoring included pH measurements and all results were within the licence limits. Maintenance of the analyser is underway and routine measurements for pH are being undertaken twice each day.			
Was this non-compliance previously reported to DWER?			
☐ Yes, and	. , , , ,		
☐ Reported to	DWER verbally	Date: / /	
☐ Reported to	DWER in writing	Date:	

Section E – Details of non-compliance with licence condition			
Please use a separate page for each condition with which the licence holder was non-compliant at a time during the reporting period.			
Condition no:	Condition 20, Table 11	Date(s) of non- compliance:	September 2023
Details of non-com	ipliance:		
Temperature monitoring was undertaken during routine sampling, but continuous monitoring of temperature was not undertaken during the reporting period. During the reporting period, there was no in-line temperature analyser in the final wastewater discharge location. Spot sampling for temperature was undertaken on a monthly basis as part of the routine spot sampling regime in accordance with the applicable Australian/New Zealand standard. Table 11 of the Licence specifies continuous monitoring of temperature. This issue was identified in September 2023 as part of the preparation of the Annual Audit Compliance Report.			
What was the actu	al (or suspected) environme	ntal impact of the non-	-compliance?
NOTE – please attach maps or diagrams to provide insight into the precise location of where the non-compliance took place.			
There was no know	wn actual or suspected environ	onmental impact from	the non-compliance.
Cause (or suspect	ed cause) of non-compliance	e:	
Following the Licence amendment in November 2022, no in-line temperature analyser for continuous monitoring was installed in the final wastewater discharge location.			
Action taken to mitigate any adverse effects of non-compliance and prevent recurrence of the non-compliance:			
No adverse effects were reported from the event. Temperature monitoring was undertaken during routine sampling. There are no licence limits for temperature specified in Table 11 of the Licence. Chevron is currently reviewing the Licence requirements for options to meet the continuous monitoring requirement in Table 11 of the Licence. Chevron is undertaking monitoring on a monthly basis as part of the routine spot sampling regime in accordance with the applicable Australian/New Zealand standard while it reviews its options.			
Was this non-compliance previously reported to DWER?			
☐ Yes, and			
☐ Reported to	DWER verbally	Date: / /	
☐ Reported to	DWER in writing	Date:	

Section F – Declaration			
I / We declare that the information in this Annual Audit Compliance Report is true and correct and is not false or misleading in a material particular ¹ .			
I / We consent to the Annual Audit Compliance Report being published on the Department of Water and Environmental Regulation's (DWER) website.			
Signature ² :		Signature:	
Name: (printed)		Name: (printed)	
Position:	Wheatstone Operations Manager	Position:	
Date:		Date:	
Seal (if signing under seal):			

 $^{^1}$ It is an offence under section 112 of the *Environmental Protection Act 1986* for a person to give information on this form that to their knowledge is false or misleading in a material particular.

 $^{^2}$ AACRs can only be signed by the licence holder or an authorised person with the legal authority to sign on behalf of the licence holder.