

Modification Application - Regulation 22

Interest Holder	Central Petroleum Limited (CTP)		EMP Title	Palm Valley Gas Field		Unique EMP ID No.	-	Mod No.	1	Date	15 July 2021
Brief Description	<p>To support a number of upcoming projects at Palm Valley, CTP requires additional accommodation units to house contractors engaged to execute those activities. Therefore, CTP is proposing to re-install a temporary accommodation camp which was previously approved under the PV-13 Connection and PV-02 Reinjection System Upgrade EMP (Appendix A). The aforementioned EMP was closed in accordance with regulation 14(b) of the Petroleum (Environment) Regulations 2016 (NT) on 16 September 2020.</p> <p>In relation to the camp, there will be no requirement for any clearing as the temporary camp will be placed in an already cleared area in the same vicinity as the existing camp (Appendix B). The temporary camp will consist of 3 x 4 bedroom accommodation units (maximum capacity of 12) support on concrete blocks. The temporary camp will be tied into the existing camp facilities including sewerage and potable water; however, it will come with its own standalone 40 kVa generator and self- bunded 1000L fuel tank to provide power to the units. It is estimated that the camp will be in place for a period of 6 months (minimum rental period) however will only be used approximately 50% of the time as overflow for the existing Palm Valley Camp which has a maximum capacity of 11. The maximum capacity of Palm Valley camp at any one time will be 23 persons. The existing dining room and kitchen facilities will be utilised to support any additional contractors staying in the temporary camp.</p> <p>In addition to the current timeframe, we may require a temporary camp to be established from time to time when operational works require additional workforce on site. Therefore, we request that the installation of an occasional temporary camp be included in the existing Palm Valley Gas Field EMP.</p>										
Geospatial Files Included?	No										
Does the proposed change result in a new, or increased, potential or actual environmental impact or risk?	If a new potential or actual environmental impact or risk, is it provided for in the approved EMP?	If an increase in an existing potential or actual environmental impact or risk is it provided for in the approved EMP?	Does the proposed change require additional mitigation measures to be included?	Has additional stakeholder engagement been conducted?	Does it require additional environmental performance standards and measurement criteria?	Does it affect compliance with Sacred Site Authority Certificates?	Does it affect current rehabilitation, weed, fire, wastewater, erosion and sediment control, spill or emergency response plans?	Will the environmental outcome continue to be achieved and will the impacts and risks be managed to ALARP and acceptable?			
Note 1.	n/a	Note 2.	Note 3.	Note 4.	Note 5.	No.	Note 7.	Note 8.			

Current EMP Text	Amended EMP Text
<p>Executive Summary The operational activities covered by this FEMP include:</p>	<p>Executive Summary The operational activities covered by this FEMP include:</p> <ul style="list-style-type: none"> ▪ Management of the existing camp and periodic installation of temporary camp facilities <p>Insert footnote: Any references in the EMP to the ‘camp’ includes both the permanent and temporary facilities</p>
<p>Introduction The operational activities covered by this FEMP include:</p>	<p>Introduction The operational activities covered by this FEMP include:</p> <ul style="list-style-type: none"> ▪ Management of the existing camp and periodic installation of temporary camp facilities <p>Insert footnote: Any references in the EMP to the ‘camp’ includes both the permanent and temporary facilities</p>
	<p>6.4.19 Camp and Office Facilities There is one permanent camp which houses employees and contractors working at Palm Valley. The permanent camp has a capacity of 11 beds. The location is shown in Figure 6-3, and an aerial photograph of the camp is shown in Figure 6-1. Camp operation includes the:</p> <ul style="list-style-type: none"> ▪ delivery and preparation of food; and ▪ provision of shower and toilet facilities. <p>A variety of general offices are located at both the camp and stores areas.</p> <p>6.4.19.1 Temporary Camp Facilities The temporary camp which may be installed periodically to support operational and projects will be located adjacent to the existing camp in a cleared area with no additional clearing required (Appendix B). The camp will have the capacity to accommodate up to 12 people. The camp will be connected to the existing sewerage system from the main camp. Potable water required for accommodation / messing will be managed in accordance with the existing FEMP. All sewerage produced at the temporary camp will be treated by the onsite existing septic system. Due to the increase in volume because of the increase in accommodation, it is expected that the systems will need to be de-sludged more frequently until the temporary camp is decommissioned. All waste generated from the camp will be managed in accordance with the existing FEMP.</p>

Note 1: No increased risk. There is no clearing necessary. All additional sewerage water produced at the camp will be treated by an onsite treatment plant for disposal or removed by a licenced contractor to a licenced facility and in accordance with the PVGF FEMP section 8.2.4. Any additional waste will be managed according to section 8.2.4 of the PVGF FEMP. Diesel fuel storage and handling will be managed on site in accordance with PVGF FEMP section 9.1.2.

Note 2: Yes, all of the proposed activities are currently included as part of the approved Palm Valley Gas Field EMP. Activities such as the management of grey water, waste, chemicals and hazardous materials, bio-security, traffic and the associated management controls are currently considered in the risk section and environmental outcome and performance measures in the EMP.

Note 3: No additional mitigation measures are considered necessary. The planned works are within the scope of the current activities and Central plans on executing the activities aligned with approved controls.

Note 4: No, not deemed necessary for this modification.

Note 5: No additional environmental performance standards and measurement criteria are required. A review of the existing standards and criteria in the EMP identified that all elements will be able to be met and the proposed works will not impact compliance.

Note 6: No, it does not affect the current plans in place:

- Rehabilitation – as the area has previously been cleared and we may in the future recommission the camp, no rehabilitation is planned whilst the field is operational.
- Weeds – monitoring and treatment activities will continue as planned
- Fire – the temporary camp is compliant with Australia Standards e.g. smoke alarms etc and will be included as part of the camp for a fire response.
- Wastewater – sewage will still be treated at the on-site septic system, however due to the increase in volume as a result of the temporary accommodation, it is expected that the systems will need to be de-sludged more frequently until the temporary camp is decommissioned
- Erosion and sediment – monitoring of the area will be incorporated into existing inspections and remedial action taken if necessary
- Spill – spill response plans are in place and will cover the temporary camp
- Emergency response plans – these plans are valid, and plans address risks associated with the temporary camp

Note 8: The environmental outcomes outlined in the EMP will continue to be achieved. In addition, all of the impacts and risks will be managed to ALARP. The risk assessment included in the EMP has been revalidated for each potentially impacted element to determine whether potential environmental risks are 'acceptable'. This assessment concluded that there was no increased risk as a result of the temporary camp.

EXECUTIVE SUMMARY

This Environmental Management Plan (EMP) has been developed for the works associated with the proposed Central Petroleum Limited (CP) field development for Palm Valley 13 (PV-13) well connection as well as the reinjection upgrade works located at Palm Valley 02 (PV-02) within CP's Operating License 3 (OL3). The proposed field development works will involve:

- PV-13 Connection
 - Installation of approximately 800m of steel DN150 schedule 40 API 5LX42 flowline above ground from PV-13 to PV-07
 - Installation of the pig launcher and receiver
 - Refurbishment and relocation of the surface skid from PV-09 to PV-13
 - Installation of 2 x 30kL HDPE tanks for produced water storage
 - Construction of a plastic lined earthen bund to house tanks

- PV-02 Reinjection System Upgrade -
 - Installation of 4 x 30kL HDPE tanks for produced water storage
 - Tie-in PV-02 wellhead to storage tanks to allow direct transfer of produced water
 - Tanker loading facilities for transfer of produced water from all other wellheads (produced water collected locally and transported to the storage facility via water tanker)
 - Installation of dosing skid for storage of self-bunded chemicals used in filtration
 - Installation of produced water filtration system including flowmeters and chemical dosing pumps
 - Installation of new reinjection high and low pressure pumps
 - Connect storage tanks to PV-04 using existing flowlines

- Temporary Construction Camp
 - Construction and operation of a temporary camp for the completion of the works included in this EMP. No clearing will be required as the camp will be placed in an already cleared area in the same vicinity as the existing camp.

These activities shall herein be referred to as the Works.

It is important to note that the operation of PV-13 as a production well is not covered by this EMP. The operations of PV-13 will be covered in line with the other production wells in the OL3 area, as described in the PVGF FEMP. The operations of the upgraded PV-04 reinjection skid is also included in the PVGF FEMP

The proposed Works are located within the Palm Valley Gas Field (PVGF) in operating license 3 (OL3) as indicated in Figure-1; as such all activities will comply with the PVGF Field Environment Management Plan (FEMP). This EMP provides management practices for environmental risks associated with the proposed Works with reference to the PVGF FEMP as appropriate or by detailed environmental measures where the activity is not already covered by the existing PVGF FEMP.



ID: 0159-005

Rev:

Date: 15/07/2021

Map Scale is 1:862 when printed at A4

Coordinate System: GDA 1994 MGA Zone 53

Palm Valley CTP - Additional Accommodation

--- Fences

Indicative Accommodation size (approx. 12.5 x 9.7m)

Proposed Accommodation Area



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