

Modification Application - Regulation 22

Interest Holder	Central Petroleum Limited		EMP Title	Mereenie Oil and Gas Field	Unique EMP ID No.	CTP ?	Mod No.	?	Date	3 September 2020
Brief Description	<p>Central is replacing a diesel generator at the Central Treatment Plant with more efficient model and is also planning on installing new tanks and pipe infrastructure to make to facility safer and reduce the risk of spills and leaks. The activity will involve some minor earthworks however no new clearing will be required and all activities will be undertaken within the Central Treatment Plant on pre-disturbed ground. The proposed SOW for the Diesel Genset includes:</p> <ol style="list-style-type: none"> 1. New Diesel Filling point in the existing bund: move the existing fence to around the bund so a new filling point can be installed, this filling point will be installed in the existing bund so the diesel truck can connect to the new diesel point; 2. New Diesel Tank: A new 10,000L (Double Walled Tank) diesel tank for the diesel genset will be stored. It is double skinned and has 2 high level protection devices. The tank will sit on 4 concrete sleepers 3. Flowline from diesel filling point to diesel tank: A new welded line will be installed underground (5.3m to an excavated depth of 650mm). This line will connect the new filling point to the new diesel tank 4. Generator: This new diesel generator will be temporarily located in the proposed location beside the existing generator. It will be moved to a more permanent location inside the plant once the Gas genset is replaced next year. The temporary location site works involves sitting the generator on 7 concrete sleepers excavated to 300mm depth. 									
Geospatial Files Included?	Site photos and details plans provided (attachments D,E,F).									
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.	Not applicable, as the activity is not new.	Note 2.	Note 3.	Note 4.	Note 5.	Note 6.	Note 7.	Note 8.		

Current EMP Text	Amended EMP Text
<p>Section 1.5 Scope This FEMP covers the environmental hazards and management measures relevant to MRN operations based on routine activities, conducted by its personnel and contractors hired by CTP to work on site. The operations covered by this FEMP include:</p> <ul style="list-style-type: none"> ▪ Road, track and lease construction, maintenance and access; ▪ Well bore management; ▪ Gas and oil systems; ▪ Pipeline and flow line operations; ▪ Processing facilities; ▪ Fuel and chemical storage, handling and transportation; and ▪ Waste management. 	<p>Section 1.5 Scope This FEMP covers the environmental hazards and management measures relevant to MRN operations based on routine activities, conducted by its personnel and contractors hired by CTP to work on site. The operational activities covered by this FEMP include:</p> <ul style="list-style-type: none"> ▪ Road, track and lease construction, maintenance and access; ▪ Well bore management; ▪ Gas and oil systems; ▪ Pipeline and flow line operations; ▪ Processing facilities; including replacement / upgrade of plant and equipment within existing production facilities ▪ Minor earthworks in pre-disturbed operational areas ▪ Fuel and chemical storage, handling and transportation; and ▪ Waste management.

Note 1: There will be small increased potential environmental impact or risk as a result of the activities. However, the works are planned to be undertaken over 2 weeks and they do not require any new clearing. In addition, all activities will be undertaken within the existing Central Treatment Plant on pre-disturbed ground used for current operational activities as seen in (attachments D,E,F).

Note 2: Yes, earthworks and the associated controls are currently considered in the risk section of the EMP under land and soil, fauna and flora, water, heritage and social aspects / outcomes.

Note 3: No additional mitigation measures are considered necessary. The planned works will only be conducted over short 2-week period and Central plans on executing the earthworks in alignment with the existing controls measures outlined in the EMP including:

- Installing erosion and sediment control structures (e.g. berms, sediment fences) where necessary in line with best practice guidelines by DENR and IECA;
- Avoiding vegetation clearance except where consent has been obtained from DPIR, CLC and other applicable stakeholders;
- Stockpile soil separately in low profile mounds;
- Conduct Job Hazard Analysis for any new task or new use of equipment to ensure appropriate control measures are identified;
- Implement dust control measures where appropriate;
- Conduct works during daylight;

- Re-fuel any equipment using drip trays
- Induct all new employees and contractors prior to arrival to site. Material will cover all environment outcomes outlined in the FEMP.
- Ensure construction operation and final constructed surface account for 1 in 100-year flooding events; and
- Follow up monitoring of any erosion and sedimentation control devices following first significant rainfall to ensure integrity

Note 4: CP has an agreement with the Central Land Council (CLC) for lease of the OL4 and OL5 land for petroleum activities under the Mereenie Agreement 2003. Under this agreement the activities are allowed under the scope of project works therefore no further engagement is necessary.

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 will not be impacted by the proposed works.

Note 6: No, CP has assessed the EMP activities against the SSCC and determined that the activities are approved under the existing SSCC - C2013-046 (attachment A and B). The SSCC permits (among other activities) 'ongoing upgrades to infrastructure at the Central Treatment Plant'. All proposed activities are to be conducted within SSCC assessed area and all works are to be conducted outside of restricted work and exclusion zone areas with the SSCC conditions. CP will implement a protocol to be followed in event of a sacred sites discovery to meet condition 7 of the SSCC.

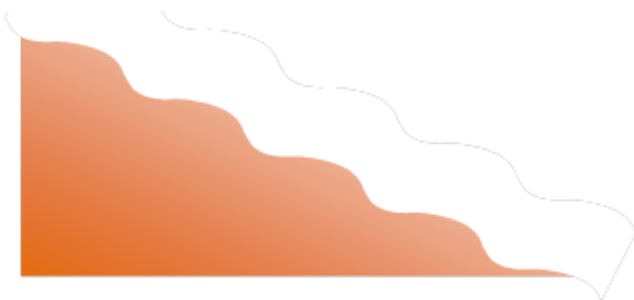
Note 7: No, it does not affect current plans in place as the works are planned in a pre-disturbed operational area:

- Rehabilitation – works site to revert to an operational area, therefore no rehabilitation necessary
- Weeds – the works site is clear of weeds and regular inspections of the area are completed
- Fire – all fire related controls are valid and will be in place during planned works. In addition, any hot works will be undertaken under permit conditions aligned with existing fire controls in the EMP
- Wastewater – no wastewater will be generated as a result of the proposed works
- Erosion and sediment control – minimal disturbance is required short term duration and regular inspections are in place prior to, during and post activity
- Spill – spill response plans are valid for these activities
- Emergency response plans – these plans are valid, and plans address risks associated with the proposed works

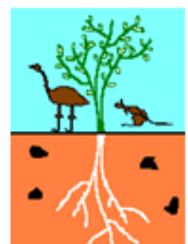
Note 8: The environmental outcomes outlined in the EMP associated with earthworks will continue to be achieved. In addition, all of the impacts and risks will be managed to ALARP. An assessment has been undertaken and for each key elements of the works to determine whether potential environmental risks are 'acceptable'. CP's has revalidated the risk assessment in the EMP related to earthworks and determine that there is no increased risk as a result of the activities. Rationale to support the ALARP decision is included in the existing EMP (attachment C)



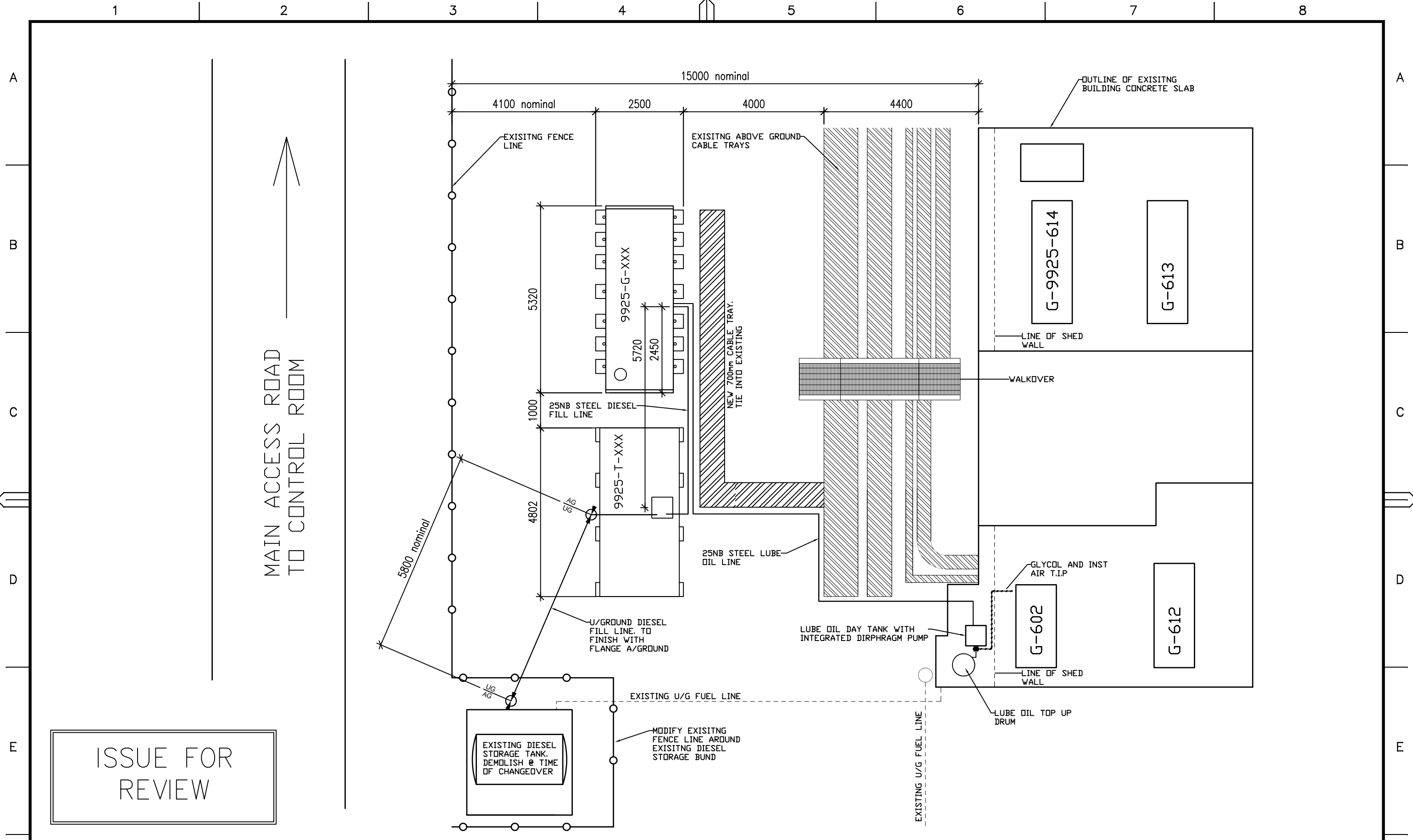
Mereenie Oil and Gas Field
FIELD ENVIRONMENT MANAGEMENT
PLAN
2017



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ISSUE FOR REVIEW

NOTES:

No	DATE	DRN	CHKD	ENG	Q.A	PROJ	ACC	DESCRIPTION	DRG No.	SUBJECT
B	17/8/20	LR						MODIFIED PLANT LOCATIONS		
A	21/7/20	LR						DIESEL GENERATOR SITE LAYOUT		
REVISIONS									REFERENCE DRAWINGS	

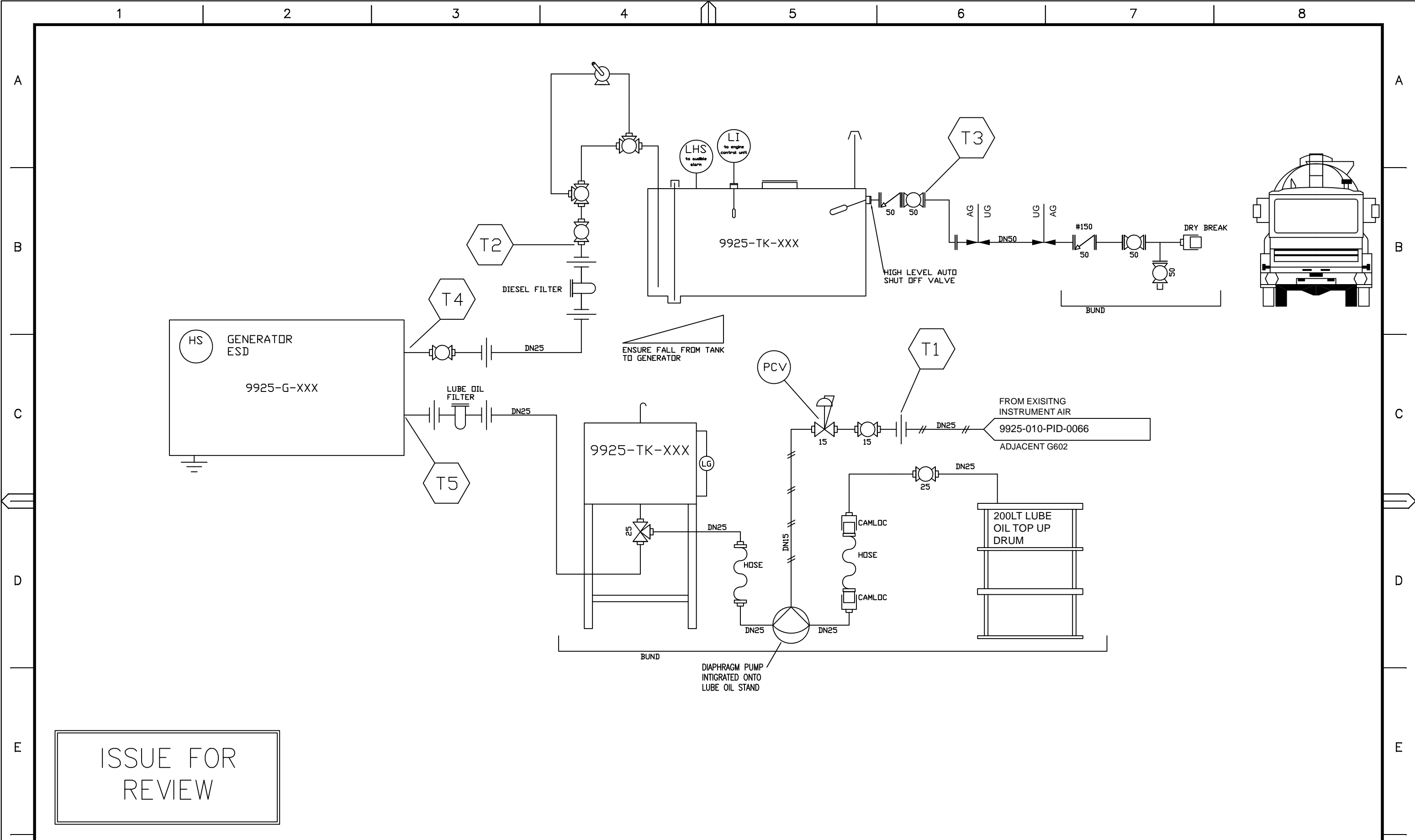
PIPING SPEC.	
RADIOGRAPHY	
STRESS RELIEVE	
INSULATE	TYPE
FIELD TEST	TYPE

Central Petroleum

DRN: -
 DATE: -
 CHKD: -
 ENG: -
 Q.A: -
 PROJ: -
 ACC: -

DRAWING No. -

REV B



ISSUE FOR REVIEW

NOTES:

No	DATE	DRN	CHKD	ENG	Q.A	PROJ	ACC	DESCRIPTION	DRG No.	SUBJECT
C	21/08/20	LR						DIESEL GENERATOR P&ID LAYOUT		
B	07/08/20	LR						DIESEL GENERATOR P&ID LAYOUT		
A	21/7/20	LR						DIESEL GENERATOR P&ID LAYOUT		
REVISIONS									REFERENCE DRAWINGS	

PIPING SPEC.	
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FIELD TEST	
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DRN:	
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