1. EXECUTIVE SUMMARY

The fuel filling station will be located at Aldeia Fatuk Francisco, Suco Camea, Post Administrative Cristo Rei, and Municipality of Dili, Timor Leste. The project area is nearby to the main road that connected Dili to Manatuto District. It is new business development proposed by CDFG Company, the purpose of supplying and delivering fuel directly to end users. Total land occupied by the CDFG Company and supporting facility is about 2,228 m^2, in which the fuel station with supporting facility for operation will be constructed.

The main activities during the operational stage of CDFG Unipessoal Lda include tanker unloading, storage of fuel on site, dispensing fuel into vehicles' tankers, carrying repair or maintenance, and ensure fire safety during the operation.

This Environmental Management Plan (EMP) has been compiled for the installation and operation of automotive fuel filling station. It would be presented in draft form to ANPM for review and approval. A review or amendment to the EMP may be needed during the life of the project as a part of important aspect for improving the fuel filling station's environmental management. The purpose of this EMP is to ensure:

- ✓ Compliance with Timor-Leste regulations on installation and operation of fuel filling station and environmental protection
- ✓ That minimum standards for health, safety and the environment are met
- ✓ That environmental risks associated with the project are properly managed through the

design and implementation of the mitigation measures and facilitate monitoring programs Environmental impacts at an automotive fuel filling station are primarily resulted from storing and handling of fuels on site, which associated with emissions of products to soil, groundwater and surface water, and emissions to air. Sources that may give rise to contamination on site include underground storage tanks, pumps or dispensers, fuel lines between tanks and pumps, waste oil tanks, etc. The contamination may result from a slow leak over time or a fast release (spill) and it may occur at or near the surface, or at a depth. Furthermore, the age, type of construction and method of operation used for the facilities at the fuel filling station may affect the likelihood and severity of the impacts on the environment. Hence, within the EMP, it provides description of mitigation measures that are required for managing and controlling the potential impacts from the activities at the fuel filling station. The company demonstrates its commitments by taking actions for the implementation of these control measures and it establishes monitoring program to measure the impacts that may occur as a result of the project. It also serves as the company's ways of showing its commitment in the health, safety and the

environmental protection and to comply with the legal requirements. Furthermore, the effectiveness of proposed mitigation measures can be gauged through the monitoring program.

The proposed project location close to the main road or terminal becora road and protected area the proponent considered these impacts during pre-construction, construction, operation and decommissioning phase within provides the environment management plan.

Potential impacts during pre-construction and construction period there are several vegetation's that will be removed, Increase air pollution, increase of noise level, Health & safety at work, Increasing of waste, Health and safety at work, Jobs Opportunities. Potential impacts during operation, maintenance and decommissioning phase soil contamination, increasing of waste (solid and liquid).

Groundwater contamination may occur however all potential impacts will be prevented by proponent according to the mitigation measures in the Environmental Management Plan (EMP) document.

2. DETAILS OF PROJECT PROPONENT

The proposed project is an automotive fuel filling station, called CDFG Unip Lda and Located in Aldeia Fatuk Francisco, Suco Camea, Post Administrative Cristo Rei, and Municipality of Dili, Timor Leste. It occupies a total land of approximately 2,228 m^2, where the fuel station and its supporting facilities are built. The contact detail of the project proponent and the principal contact is provided below.

OPERATOR	: CDFG Unipessoal Lda
Address	: Sagrada Familia, Bidau Santana, Cristo Rei, Dili, Timor Leste
Contact Person	: Mr. Cesario Dias Freitas Gusmão
Position	: Director (Owner)
Mobile	: (+670) 77285568/73392089
E-mail	: cesariodias04@gmail.co.id
Contact Person	: Mr. Luis Da Costa
Position	: Vice Director
Mobile	: (+670)77312268
E-mail	: -

3. DETAILS OF CONSULTANT WHO PREPARED EMP

Consultant Name	: HERSEGE LDA
Consultant TIN	: 12299016
Registered Address	: Rua Taibessi, Alcrin, Lahane Oriental, Nain Feto DILI
Telephone No.	: (+670) 77522363 / 76717048 / 76641553
E-mail Address	: hersegeconsultant10@gmail.com
Type of Company	: Private Limited
Status of Company	: Local Timorese
Date of Incorporation	: 13 July 2018

Experiences

Hersege Lda has involved in preparing Environmental Impact Assessment in several activities since it was established and has a qualified and experiences members in Environmental Engineering, Geological Engineering, Mining Engineering and Instrumentation Engineering (Oil and Gas Operation). Following are the experiences of the consultant and it member's qualification:

Table 1. Experiences of the Hersege Lda Consultant

NO	COMPANY	TYPE OF SERVICES	PROJECT ACTVITIES	PROJECT LOCATION	STATUS
1	Nananiu Unip. Lda	Mining And Environmental License	River Sand Mining	Matai, Suai	**COMPLETED**
2	China Wu Yi Co.,Ltd	Mining And Environmental License	Quarry And River Sand Mining	Ulmera, Liquica	On Process
3	Montana Diak Unip Lda	Mining And Environmental License	River Sand Mining,	Hera, Dili	**COMPLETED**
4	Jucostim Lda	Mining License	Quarry and River Sand Mining	Dato, Liquisa	On Process
5	Xirevo Unip Lda	Mining And Environmental License	Quarry and River Sand Mining	Dili, Liquica	On Process
6	Borala Lda	Environmental License	Fuel Filling Station	Dili, Viqueque	**COMPLETED**
7	Green Diamond Unip Lda	Environmental License	Fuel Filling Station	Oe-cussi	**COMPLETED**
8	Jesoria Unip Lda	Environmental License	Fuel Filling Station	Viqueque	**COMPLETED**
9	Tatoli Fuel Lda	Environmental License	Fuel Filling Station	Lospalos	**COMPLETED**
10	Queybubun Laco Conbustivel Lda	Environmental License	Fuel Filling Station	Maliana	**COMPLETED**
11	AdyPay Lda	Environmental License	Fuel Filling Station	Ossu	**COMPLETED**
12	Mekar Fuel Lda	Environmental License	Fuel Filling Station	Lurumata, Dili	**COMPLETED**
13	Nusabe III Unip Lda	Environmental License	Fuel Filling Station	Aileu	**COMPLETED**
14	Ergin Fuel	Environmental License	Fuel Filling Station	Metinaro	**COMPLETED**
15	Mega Petroleum	Environmental License	Fuel Filling Station	Fatuhada, Dili	**COMPLETED**
16	Super Fuel	Environmental License	Fuel Filling Station	Kuluhun, Dili	**COMPLETED**
17	Titer Unip Lda	Environmental License	Fuel Filling Station	Losaplos	**COMPLETED**

18	Klean Gas Lda	Environmental License	Retail Gas Station	Dili	On Process
19	Abom Kase Fuel	Environmental License	Fuel Filling Station	Maliana	**COMPLETED**
20	Arca Flacor	Environmental License	Fuel Filling Station	Ainaro	**COMPLETED**
21	Vida Diak Petroleo	Environmental License	Fuel Filling Station	Aipelu	**COMPLETED**
22	Xalila Fuel	Environmental License	Fuel Filling Station	Dili	**COMPLETED**
23	Divita Fuel Unip Lda	Environmental License	Fuel Filling Station	Tibar	**COMPLETED**
24	Ai-dalau Furak Unip Lda	Environmental License	Fuel Filling Station	Same	**COMPLETED**
25	ETO Lda	Environmental License	Fuel Filling Station	Mandarin, Balide and Manatuto	**COMPLETED**
26	GSGP Petrol Station	Environmental License	Fuel Filling Station	Laga	**COMPLETED**

Qualification and Experiences of each member

- **Herculano Ivo .L. Granadeiro** is Mining Engineer with 5 years of experiences in preparing the mining license activities and Environmental Impact Assessment for fuel filling stations and mining activities for obtaining the Environmental License.
- **Geovanio Alves,** is Geological Engineer with 4 years of experiences in preparing the mining license activities and Environmental Impact Assessment for fuel filling stations and mining activities for obtaining the Environmental License. During the study in Indonesia, Geovanio has done several geological surveys for mineral in Kalimantan, Papua, Halmahera and Sumatera.
- **Sergio Valdano Pinto** is a Mining Engineer and has diploma of engineering in instrumentation (oil and gas operation), with 5 years of experiences in preparing the mining license activities and Environmental Impact Assessment for fuel filling stations, mining activities and involved in preparation of EIA for China Harbour Timor Temporary Jetty in Mota Ikun for obtaining the Environmental License. Also, Sergio has attended training for Oil and Gas Safety Passport and a safety briefing in Petronas Chemical Methanol Labuan, Malaysia.
- **Patricio de Oliveira Ximenes** is Environmental Engineer with 4 year of experiences in preparing the mining license activities and Environmental Impact Assessment for fuel filling stations and mining activities for obtaining the Environmental License and as an environmental officer in China Wu Yi, Co.,Ltd
- **Sergio Martires,** is Mining Engineer with 3 year of experiences in preparing the mining license activities and Environmental Impact Assessment for fuel filling stations and mining activities for obtaining the Environmental License

4. DESCRIPTION OF THE PROJECT

The CDFG Unip Lda is located at Aldeia Fatuk Francisco, Suku Camea, Cristo Rei and the geographic coordinates are 8°34'14.45"S Latitude and 125°37'09.80"E Longitude. It is an automotive fuel filling station that supplies gasoline and diesel fuel to the customers. CDFG Unipessoal Lda occupies a total land of approximately 2,228 m^2 where the facility's components such as underground storage tanks with capacity of 20,000 L for each fuel products such as gasoline and diesel; two fuel dispensers where each of the dispensers has two nozzles, a simple canopy, minimarket and a supporting office are available.

The main activities during the operational stage of CDFG Unip Lda include tanker unloading, storage of fuel on site, dispensing fuel into vehicles' tankers, carrying repair or maintenance, and ensure fire safety during the operation. The fuel filling station operates from seven days in a week, Monday to Sunday from six in the morning till eight at night. It consists of two shifts that are attended by staffs/pump attendants for each shift.

The following map shows the respective features of the existing land pattern around the fuel filling station. There are small businesses and shops located in front of the fuel filling station, and other important existing features, such as the Public School, Public Clinic and others government institution office, (refer to the following map).

a. Identification of the Project

The fuel filling station will be located at Fatuk Francisco, Camea, Cristo Rei and Dili Municipality, The project area nearby national road is new business development proposed by CDFG Unip Lda, Company for the purpose of supplying and delivering fuel directly to end users. The geographic coordinates of the location is 8°34'14.45"S Latitude and 125°37'09.80"E Longitude. Total land occupied by the fuel storage and supporting facility is about 2,228 m^2, in which the fuel station with supporting facility for operation will be constructed shown in Figure 1.

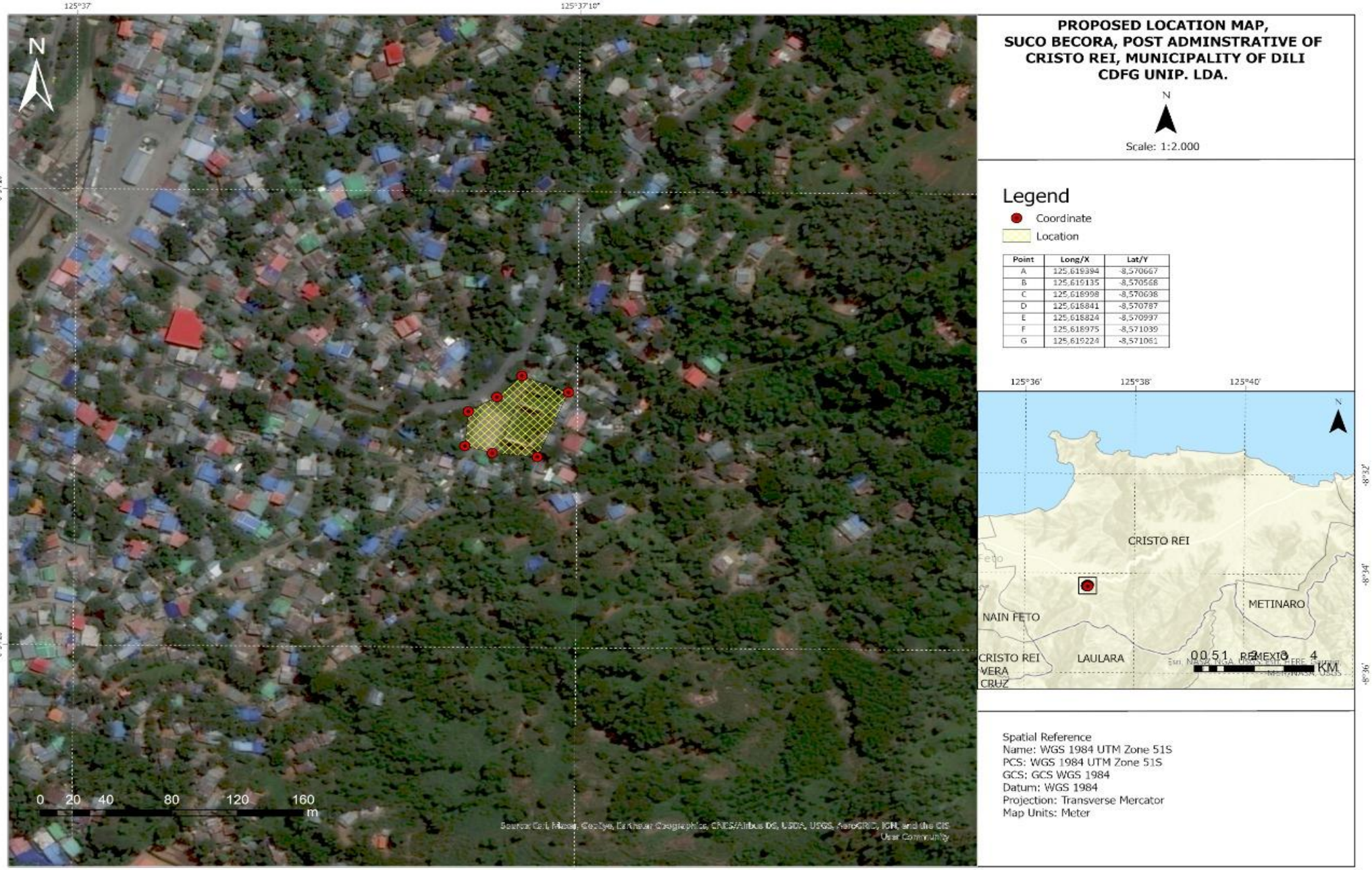


Figure 1. Proposed Location Map

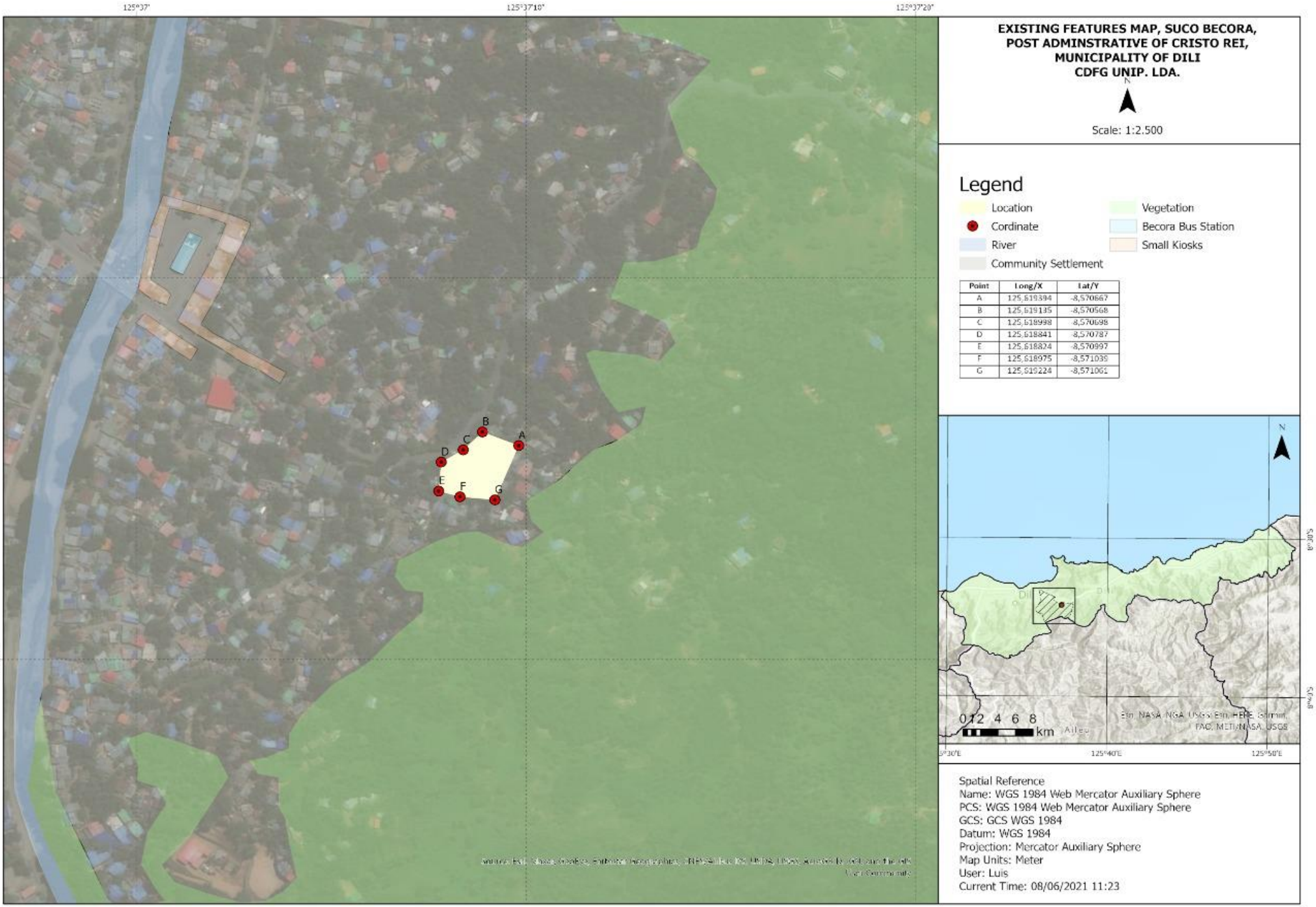


Figure 2. Existing Features Map

b. Category of the Project

In accordance to the definition of the project category set out in article 4 of the Decree Law no.5/2011 Environmental Licensing and Annexes 1 and 2 of the law, this project (Fuel Station and Storage) is defined as a category (B). The fuel station project components fall into the Petroleum Industry Sector (Storage sites for Oil / Natural Gas / Petrochemicals or Chemicals) and due to the environmental impact may occur during the activities.

c. Brief description of the Nature, size and Location of the Project

The CDFG is located at Aldeia Fatuk Francisco, Suku Camea, Cristo Rei and the Geographic coordinates are 8°34'14.45"S Latitude and 125°37'09.80"E (Longitude). It is an automotive fuel filling station that supplies gasoline and diesel fuel to the customers. CDFG occupies a total land of approximately 2,228 m^2 m2 where the facility's components such as underground storage tanks with capacity of 20,000 L for each fuel products such as gasoline and diesel; and two fuel dispensers where each of the dispensers has four nozzles, a simple canopy, minimarket and a supporting office are available.

The main activities during the operational stage of CDFG include tanker unloading, storage of fuels on site, dispensing fuel into vehicles' tank, carrying repair or maintenance, and ensure fire safety during the operation. The fuel filling station operates from seven days in a week, Monday to Sunday from six in the morning till eight at night. It consists of two shifts that are attended by eight staffs/pump attendants for each shift.

Inter-Municipality and intra-Municipality public and private transportation are serviced by Motor bikes, Buses and others public transportation. This existing road is the main road that connects to Suco Hera and heading to, Post Administrative Metinaro, Municipality Dili. The access road to the proposed project is good condition.

The proposed location is Government land, in the Northern part of the project the proposed project is bordered with Public Road, Eastern Part is Community residence, Western part is bordered with community residence and Southern is bordered with communities residence.

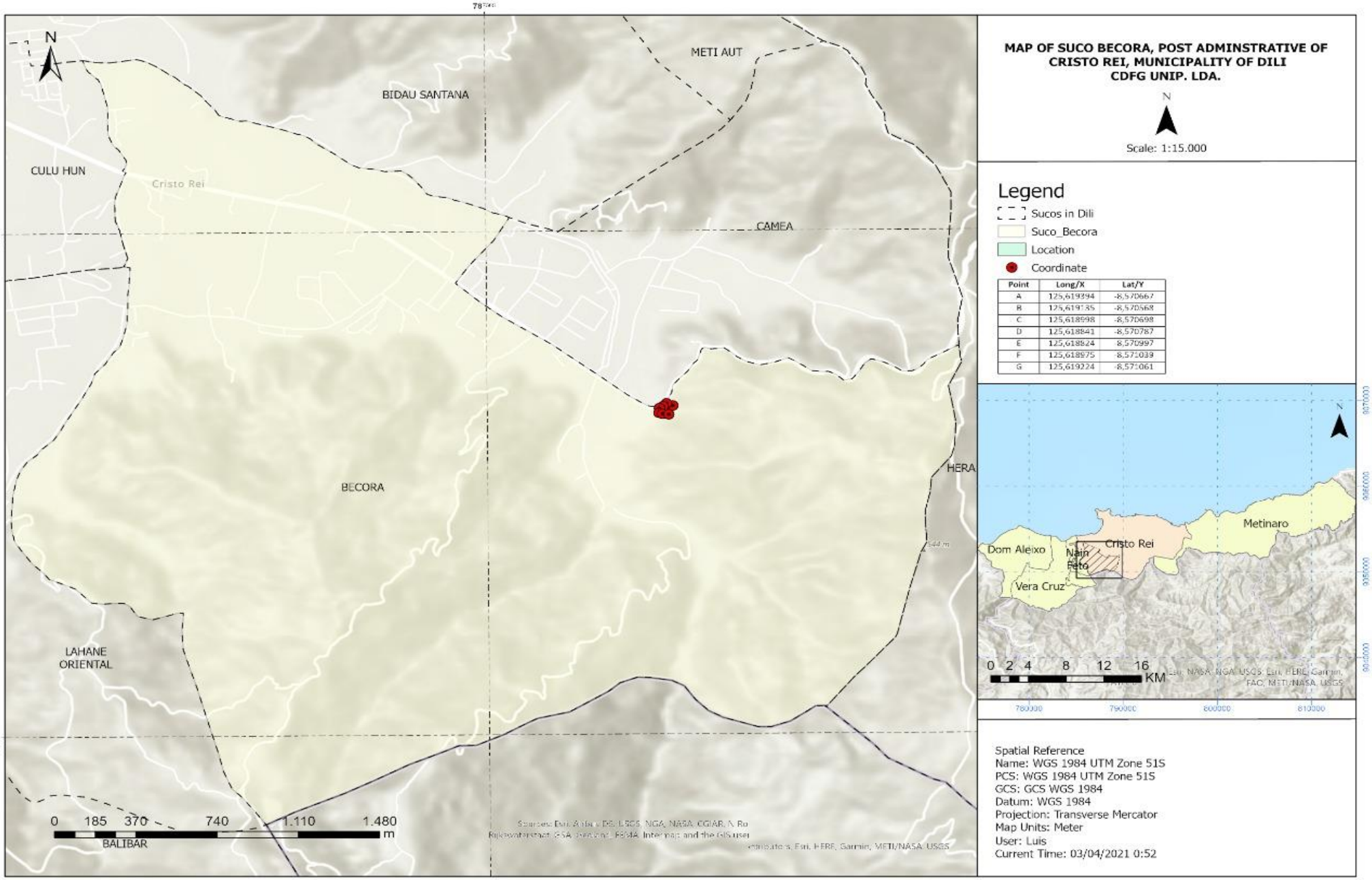
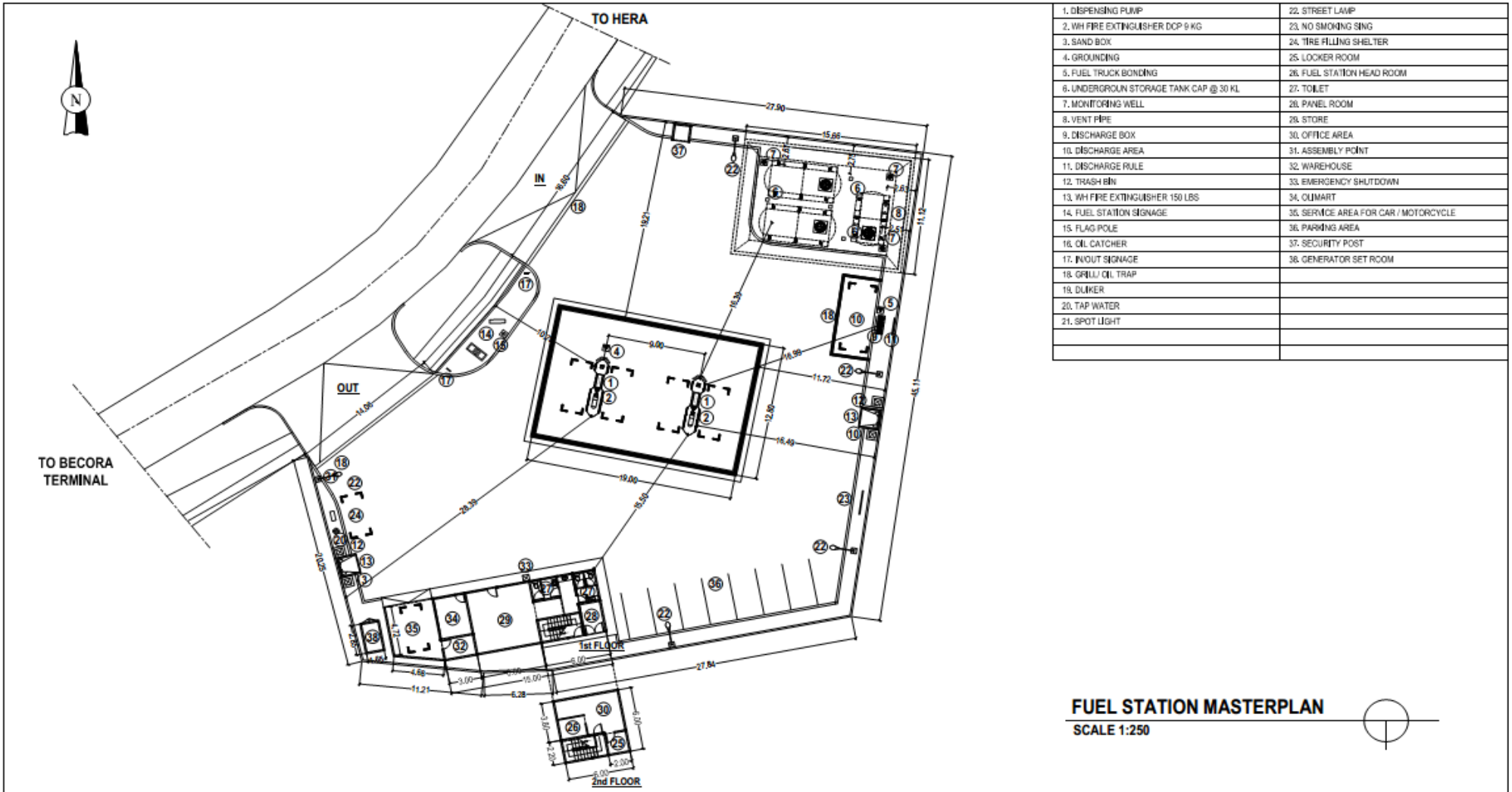


Figure 3. Suco Map



1. DISPENSING PUMP	22. STREET LAMP
2. WH FIRE EXTINGUISHER DCP 9 KG	23. NO SMOKING SING
3. SAND BOX	24. TIRE FILLING SHELTER
4. GROUNDING	25. LOCKER ROOM
5. FUEL TRUCK BONDING	26. FUEL STATION HEAD ROOM
6. UNDERGROUN STORAGE TANK CAP @ 30 KL	27. TOILET
7. MONITORING WELL	28. PANEL ROOM
8. VENT PIPE	29. STORE
9. DISCHARGE BOX	30. OFFICE AREA
10. DISCHARGE AREA	31. ASSEMBLY POINT
11. DISCHARGE RULE	32. WAREHOUSE
12. TRASH BIN	33. EMERGENCY SHUTDOWN
13. WH FIRE EXTINGUISHER 150 LBS	34. OLIMART
14. FUEL STATION SIGNAGE	35. SERVICE AREA FOR CAR / MOTORCYCLE
15. FLAG POLE	36. PARKING AREA
16. OIL CATCHER	37. SECURITY POST
17. IN/OUT SIGNAGE	38. GENERATOR SET ROOM
18. GRILL/ OIL TRAP	
19. DUIKER	
20. TAP WATER	
21. SPOT LIGHT	

PREPARED BY	PROJECT OWNER	PROJECT TITLE	DRAWING TITLE		SCALE	AUTORIDADE NACIONAL DO PETROLEO E MINERAIS TIMOR-LESTE		NOTE
	CDFG UNIPESSOAL, LDA	CDFG FUEL STATION	MASTERPLAN		1:250	CHECKED BY	APPROVED BY	
		PROJECT LOCATION	DRAWN BY	CHECKED BY	DRAWING NO			
		BECORA, DILI TIMOR - LESTE				CESALTINO BABO Downstream Project & Facility Appraisal	JUVENCIA MJDD COSTA Downstream Manager	
			DATE:	DATE:		DATE:	DATE:	

Figure 4. Site Layout Plan

- **Underground Tank**

The proposed storage of fuel on site consists of two underground storage tanks. The tanks can withstand a volume of 20,000 liters each. The indicated underground storage tanks will supply; diesel, Gasoline. The underground storage tanks are going to be installed as shown in the 'Underground Tank Cross-Section', as outlined in the 'Guidance for the Design, Construction, Modification and Maintenance of Fuel Filling Stations'. The bottom structure of the tank is going to be constructed from a 7-10 mm of asphalt coating and 500 mm of compacted fine sand. The underground tank is going to be anchored to ground with straps that are non-corrosive, and must offer good strength to hold the tank firmly. Proper care must be taken to ensure that the excavation does not collapse. Once the underground tank is in place, it is important that the gap between the wall and the tank shall be filled with the appropriate backfill up to the neck of the tank. The interstitial space is going to be continuously monitored by means of a leak detection system being of Class 2 system. Furthermore, tanks constructed from metal steel must be coated for the protection from corrosion. Such coating must be tested from the supplier according to the listed standard by ANPM.

The tanks are manufactured from coated steel. These are called composite tanks. The manhole section is fitted with a overfill protection device and self-contained manhole which is impervious to hydrocarbon and is sealed to prevent contamination to the surrounding environment. The materials used to make the tanks are corrosive free metals. A documented leak monitoring system will be put in place. All the installation and operation of fuel filling station should rely on Regulation No. 3 /2014 on Installation and Operation of Fuel Filling Station.

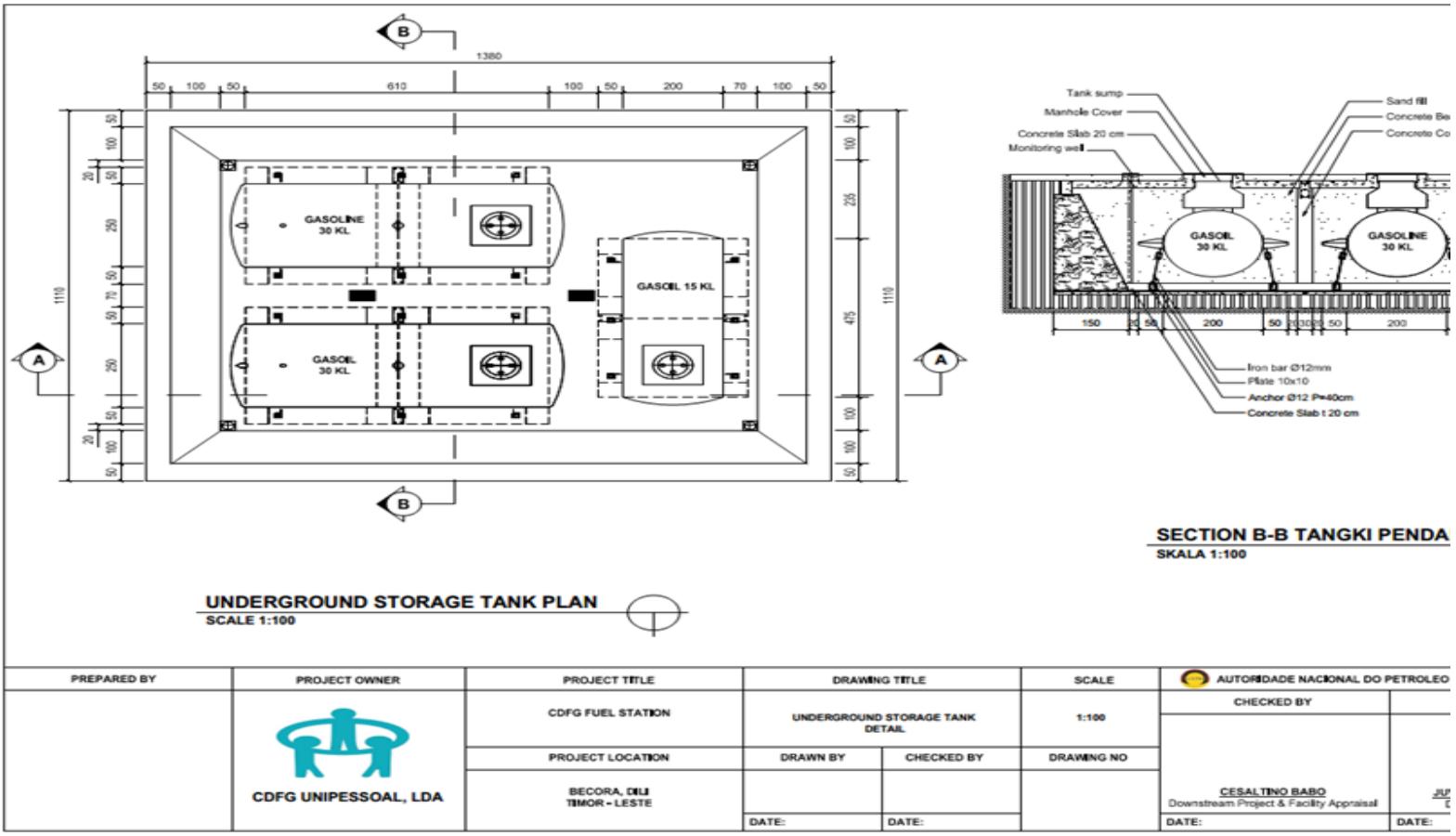
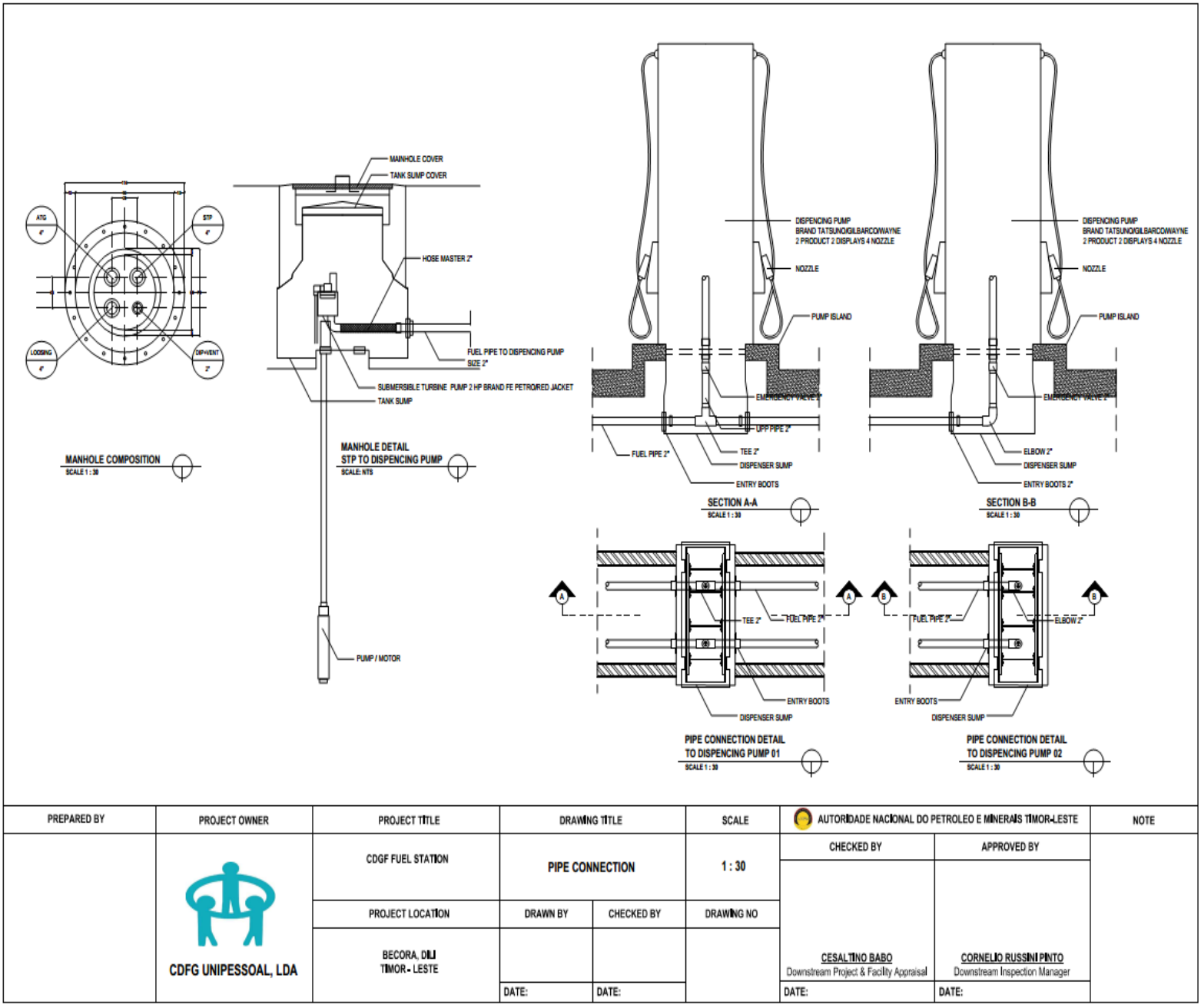


Figure 5. Underground Tank

➢ **Dispensers**

The fuel dispenser, pump, and piping system that connect to the storage tank are important components of the system. Automatic control mechanism and monitoring equipment will be applied including flow meter to measure flow and quantity of fuel from one place to the other as well as detecting leak from the difference between fuel flowing in and the volume recorded at the tank. The same principle is applied to monitor the flow of fuel out of the storage tank and the volume dispense at the dispenser facility. A fuel dispenser will be installed in the fuel filling station consists of four nozzle (two for gasoline and two for fuel diesel). Every dispenser has extinguisher and extinguishers are also located in the office and filling point area.

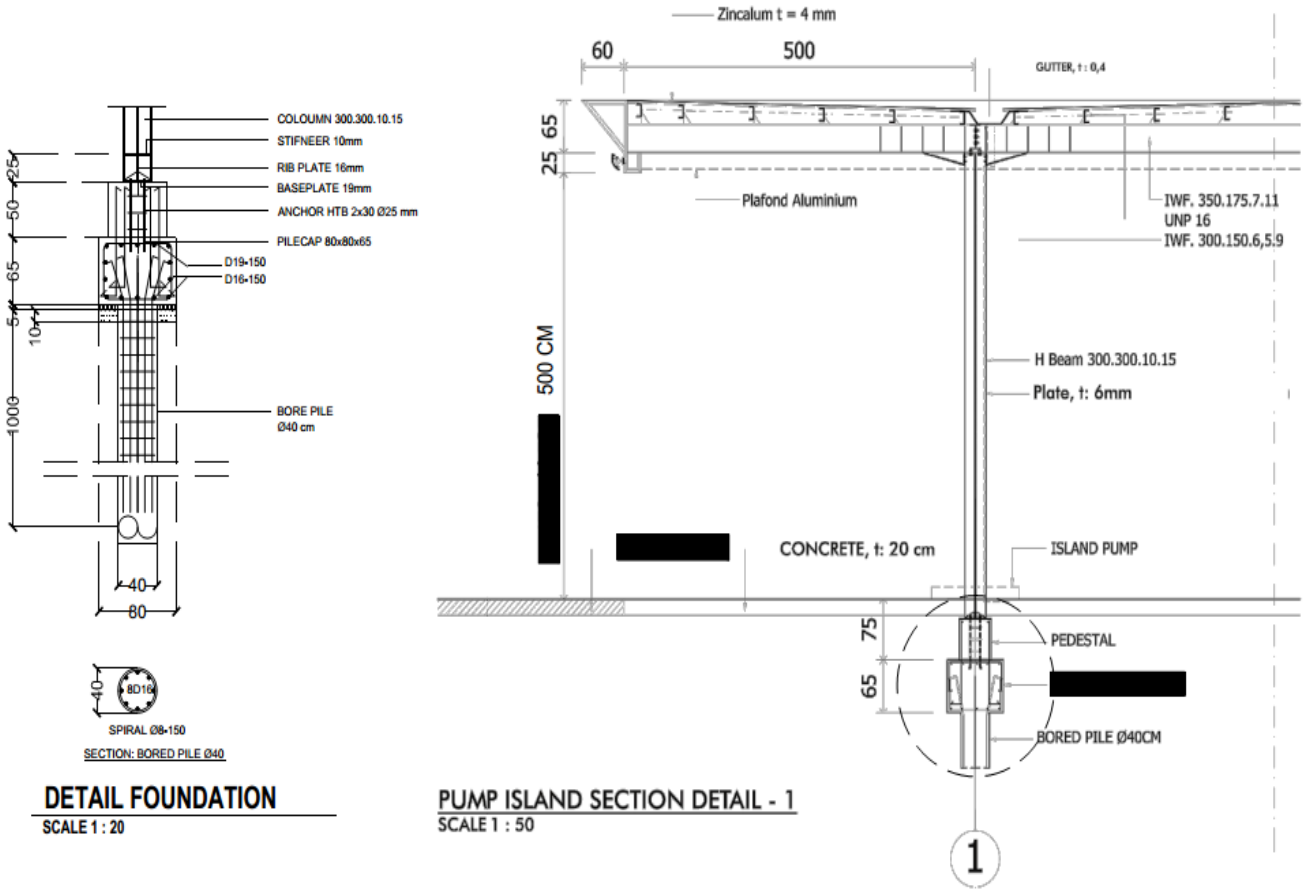


PREPARED BY	PROJECT OWNER	PROJECT TITLE	DRAWING TITLE		SCALE	AUTORIDADE NACIONAL DO PETROLEO E MINERAIS TIMOR-LESTE		NOTE
	CDFG UNIPESSOAL, LDA	CDGF FUEL STATION	PIPE CONNECTION		1 : 30	CHECKED BY	APPROVED BY	
		PROJECT LOCATION	DRAWN BY	CHECKED BY	DRAWING NO			
		BECORA, DILI TIMOR - LESTE				CESALTINO BABO Downstream Project & Facility Appraisal	CORNELIO RUSSINI PINTO Downstream Inspection Manager	
			DATE:	DATE:		DATE:	DATE:	

Figure 6. Fuel Dispenser

- **Pump Island**

Pump Island to set up dispensers on it, size of the pump island determine vehicle in fuel station, and determine the distance between the dispenser and the vehicle to refueled, dimension of pump island; the length is 5 meter, height of pump island is 0.2 meter, and the width is 1.4 meter.



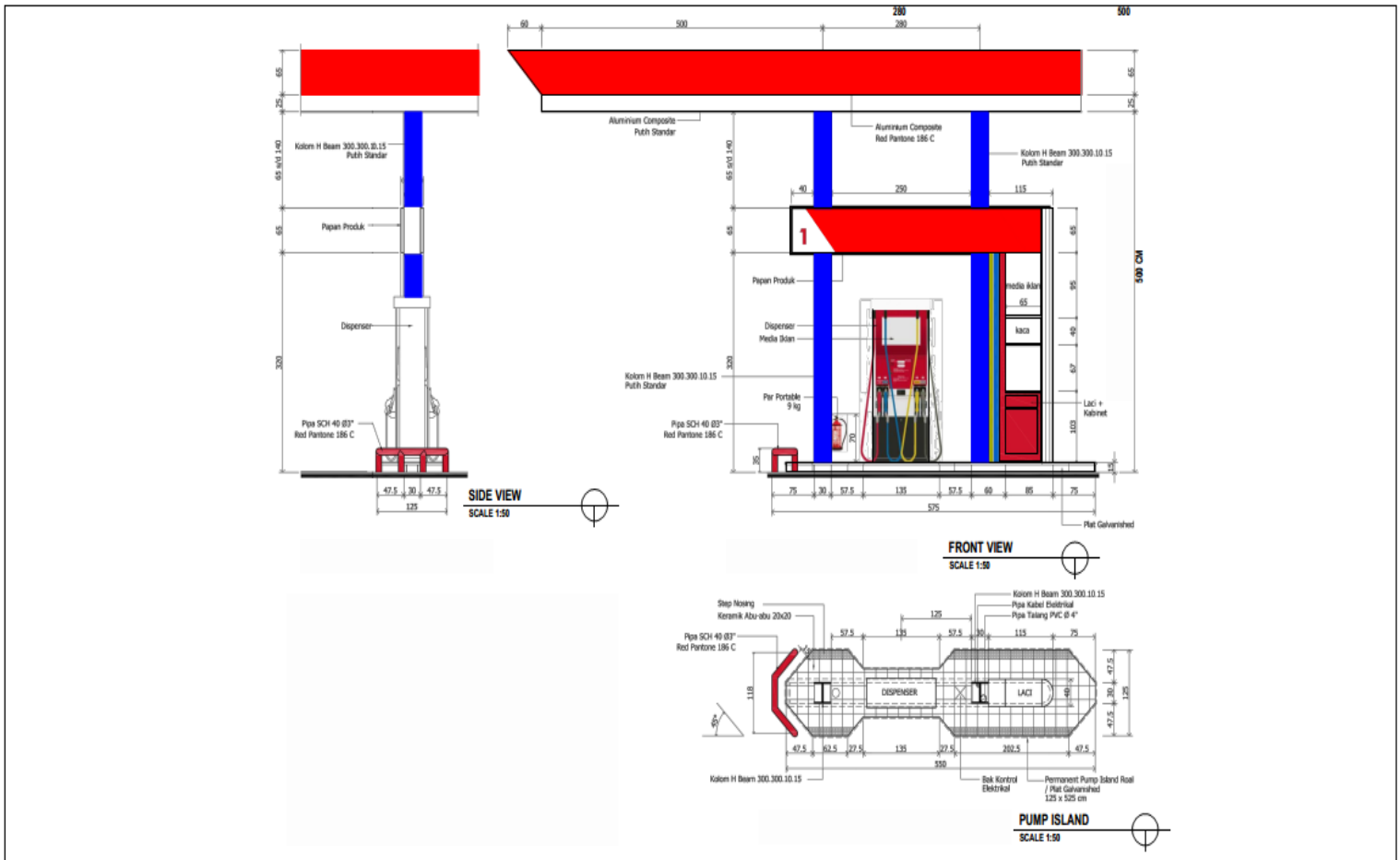
PREPARED BY	PROJECT OWNER	PROJECT TITLE	DRAWING TITLE		SCALE	AUTORIDADE NACIONAL DO PETROLEO E MINERAIS TIMOR-LESTE		NOTE
	CDFG UNIPESSOAL, LDA	CDFG FUEL STATION	PUMP ISLAND SECTION DETAIL		1:50	CHECKED BY	APPROVED BY	
		PROJECT LOCATION	DRAWN BY	CHECKED BY	DRAWING NO			
		BECORA, DILI TIMOR - LESTE				CESALTINO BABO Downstream Project & Facility Appraisal	JUVENCIA MJDD COSTA Downstream Manager	
			DATE:	DATE:		DATE:	DATE:	

Figure 7. Pump Island

- **Canopy**

Canopies structure shall be at a height of not less than 4.5 meters from the ground and should be fireproof type. Cladding installed shall be non-combustible and be according to ANPM standards. Such a standard also holds for price display pole signs. The function of a canopy is to:

- ✓ Provides a degree of weather protection; canopy can be a shelter;/shade from weather condition such as sun
- ✓ Withstand the elements such as wind and rain

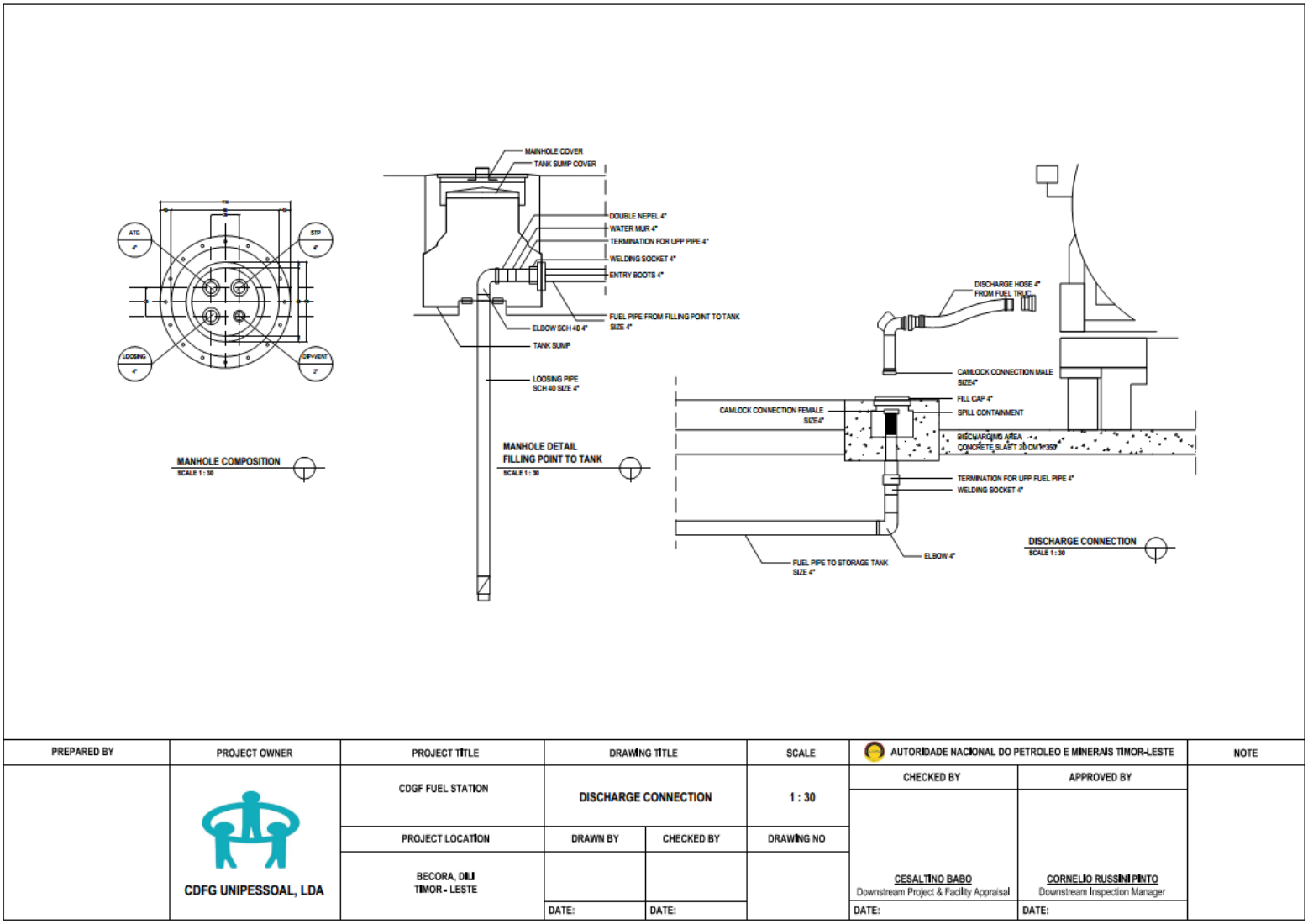


PREPARED BY	PROJECT OWNER	PROJECT TITLE	DRAWING TITLE		SCALE	AUTORIDADE NACIONAL DO PETROLEO E MINERAIS TIMOR-LESTE		NOTE
	CDFG UNIPESSOAL, LDA	CDFG FUEL STATION	CANOPY DESIGN		1:50	CHECKED BY	APPROVED BY	
		PROJECT LOCATION	DRAWN BY	CHECKED BY	DRAWING NO			
		BECORA, DILI TIMOR - LESTE				CESALTINO BABO Downstream Project & Facility Appraisal	JUVENCIA MJDD COSTA Downstream Manager	
			DATE:	DATE:		DATE:	DATE:	

Figure 8. Canopy

- **Underground Piping System**

The proponent shall use appropriate piping with fusion welded couplings terminated on either end with rubber boots within the pump and tank sumps. No joints are made between the tank and the pump thereby ensuring that if a leak occurs it is contained within the sumps, ensuring that if a breakage occurs in the inner skin, the fuel will run back to the tank containment sump where it is able to be removed.

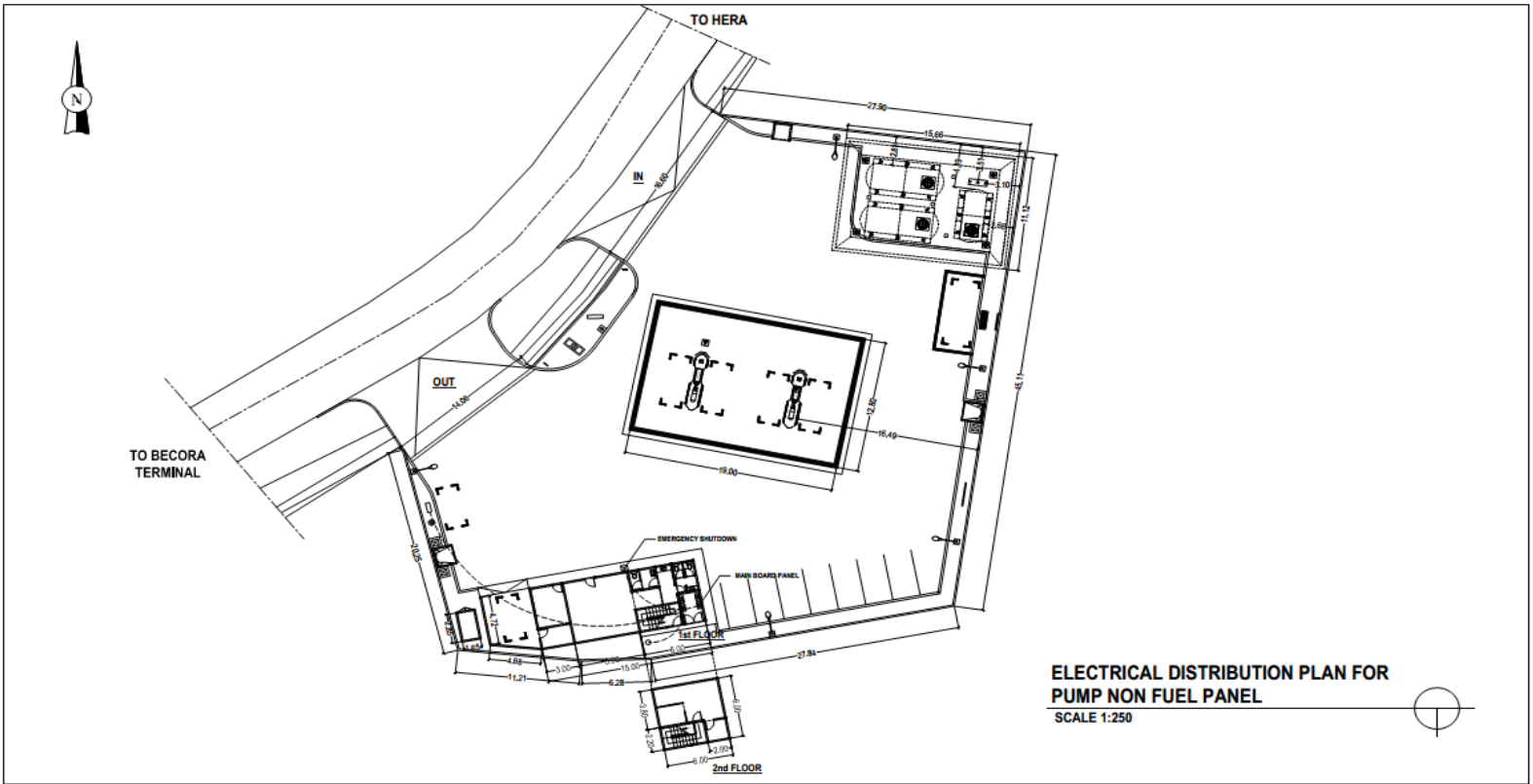


PREPARED BY	PROJECT OWNER	PROJECT TITLE	DRAWING TITLE		SCALE	AUTORIDADE NACIONAL DO PETROLEO E MINERAIS TIMOR-LESTE		NOTE
	CDFG UNIPESSOAL, LDA	CDGF FUEL STATION	DISCHARGE CONNECTION		1 : 30	CHECKED BY	APPROVED BY	
		PROJECT LOCATION	DRAWN BY	CHECKED BY	DRAWING NO	CESALTINO BABO Downstream Project & Facility Appraisal	CORNELIO RUSSINI PINTO Downstream Inspection Manager	
		BECORA, DILI TIMOR - LESTE				DATE:	DATE:	
			DATE:	DATE:				

Figure 9. Pipe Distribution Plan

- **Electrical System**

The electrical system at the filling station will be designed by a quality engineer and in accordance with the electric power regulations in Timor-Leste (EDTL) and other electrical standards such as National Electric Code Fuel Filling Station regulation based opn the standard that adopted by ANPM (National Electrical Code (NEC), or NFPA 70). The electrical system will include power supply to the mechanical pumps, underside of the steel canopy, the offices, and Machine/compressor room and security systems. On completion of the electrical works, it is expected that Timor Leste (EDTL) Power will approve the electrical works and issue a power connection certificate to the proponent.



PREPARED BY	PROJECT OWNER	PROJECT TITLE	DRAWING TITLE		SCALE	AUTORIDADE NACIONAL DO PETROLEO E MINERAIS TIMOR-LESTE		NOTE
	CDFG UNIPESSOAL, LDA	CDFG FUEL STATION	ELECTRICAL DISTRIBUTION PLAN		1:250	CHECKED BY	APPROVED BY	
		PROJECT LOCATION	DRAWN BY	CHECKED BY	DRAWING NO			
		BECORA, DILI TIMOR - LESTE				CESALTINO BABO Downstream Project & Facility Appraisal	JUVENCIA MJDD COSTA Downstream Manager	
			DATE:	DATE:		DATE:	DATE:	

Figure 10. Electrical Plan

- **Water Treatment System**

Water treatment is any process that improves the quality of water to make it more acceptable for a specific before disposal to the environment. The fuel filling station is facility with a water treatment system for treating wastewater that may be contaminated with oil or fuel and separating oil from water. The floor areas where there is likely spillage, such as area dedicated to unloading liquid fuels from the fuel tanker into the storage tanks and the forecourt area are made impermeable (cemented) and allow for drainage into the water treatment system.

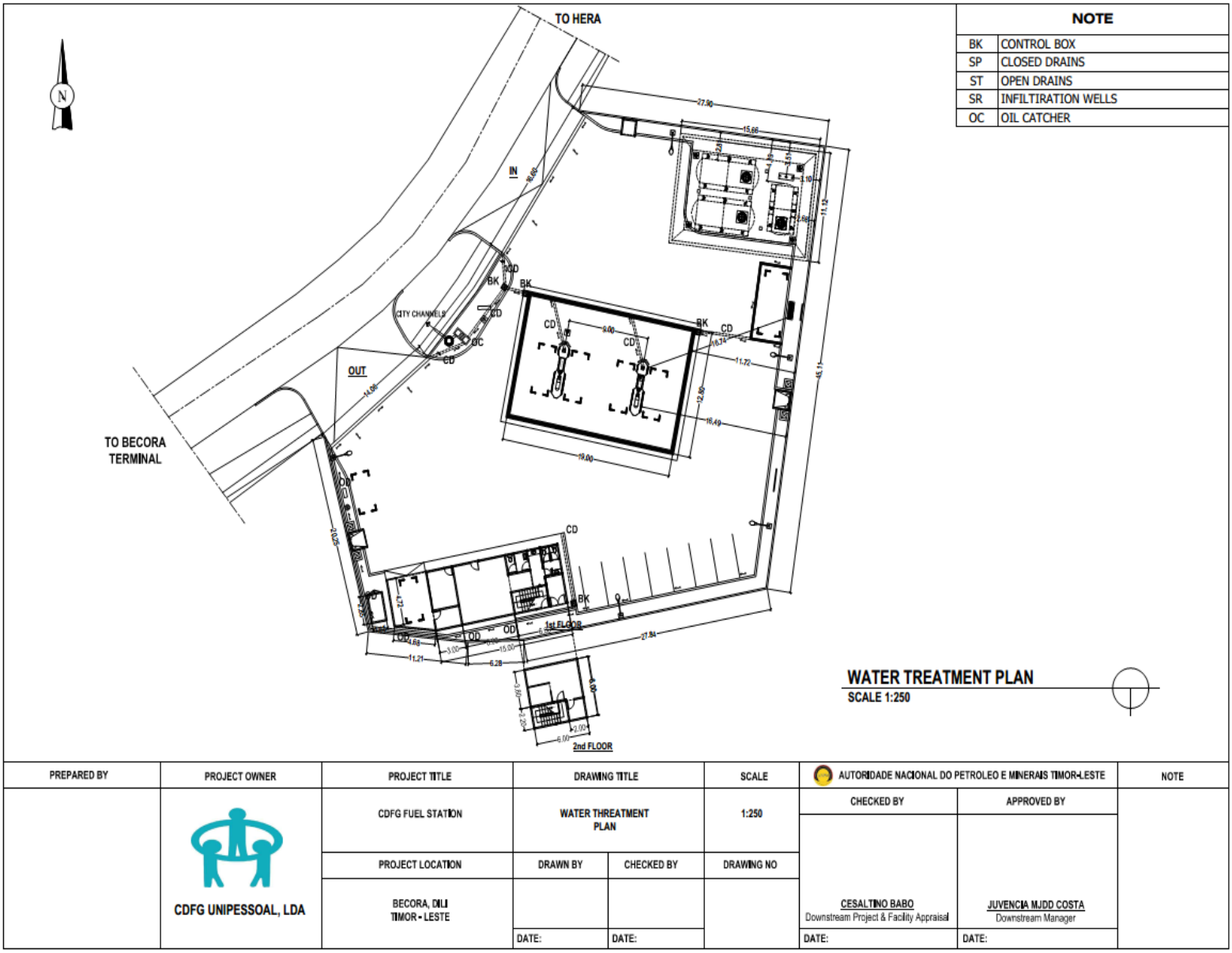


Figure 11. Water Treatment Systems

- **Petrol interceptor/Oil Catcher**

A petrol interceptor is a trap used to filter out hydrocarbon pollutants from rainwater Runoff, oil spills and leak as well. It is typically used in road construction and on Petrol Station forecourts to prevent fuel contamination of streams carrying away the runoff.

Petrol interceptors work on the premise that some hydrocarbons such as petroleum and diesel float on the top of water. The contaminated water enters the interceptor typically after flowing off roads or forecourts and entering a

channel drain before being deposited into the first tank inside the interceptor. The first tank builds up a layer of the hydrocarbon as well as other scum. Typically petrol interceptors have 3 separate tanks each connected with a dip pipe, as more liquid enters the interceptor the water enters into the second tank leaving the majority of the hydrocarbon behind as it cannot enter the dip pipe, whose opening into the second tank is below the surface of the water. However some of the contaminants may by chance enter the second tank. This second tank will not build up as much of the hydrocarbon on its surface. As before, the water is pushed into the third tank, by fluid dynamics, as more water enters the second. The third tank should be practically clear of any hydrocarbon floating on its surface.

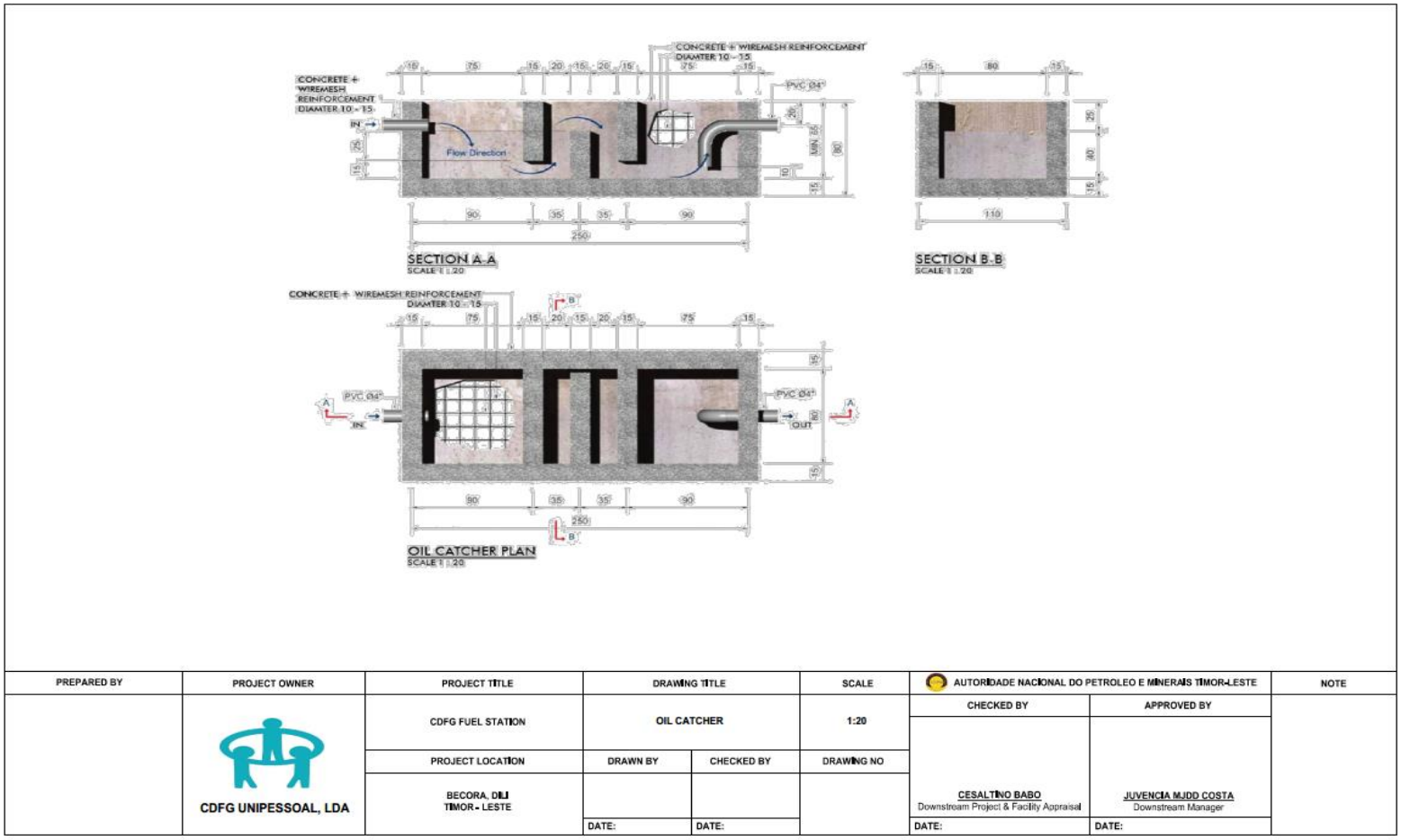


Figure 12. Oil Catcher

d. Affected Area

The following map shown are indicates the affected area in the proposed site. Having mentioned the affected area, the proponent considered these impacts during pre-construction, construction, operation and decommissioning phase within provides the environment management plan. During the construction period there are several vegetation's that will be removed such as Delonix Regia, Hudi, Has, Ai Kaisote, Tamarin Tree (*Sukaer*), Ailok, Ai Cafe and a bar house that will be removed and build a supporting office other facilities according to new drawing and minimarket for CDFG Unipessoal Lda.

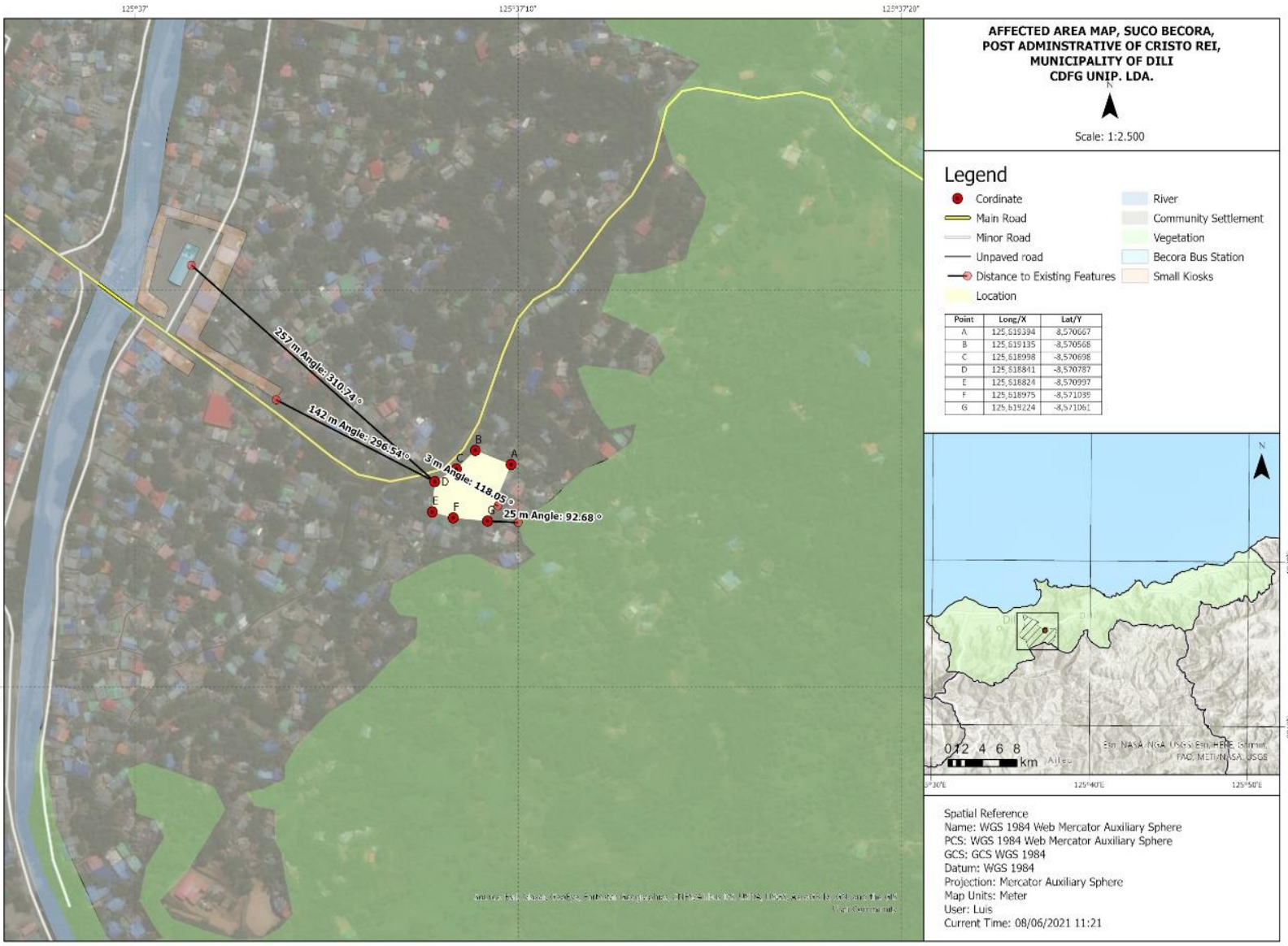


Figure 13. Affected Area Map

e. Justification and Need for The Project

There are a number of factors considered as motives why the proposed development should be implemented in this particular site which draw the attention to support Camea development project. Some of the validating factors considered include:

- Accessibility: The accessibility of the site is relatively favorable where the site is located adjacent to the inter-municipality road of Becora to Hera
- Demand for Petrol Station Services: The demand of petroleum and related services in this area is highly required, due to the motorized traffic in this post Suco is high and the actual condition of Fuel station in Camea doesn't fulfill the need of the costumer in Camea,Terminal and others place.
- The proper standard. There are several retail sellers in the streets, which may not be sufficient to response domestic demand. With this facility in place, the motorists will have a shorter distance to obtain the products and services.

Low Risk to the Locals: The area with the site for the proposed fuel station and gas oil storage is far to the community settlement, approximately 100 meters to 1km or so, this makes the project suitable for the area since there are very few people at risk from the activities of the project.

Figure 14. Photographs of the Proposed Location (*Source: Hersege Consultant 2021*)

f. The Proponent's Endorsement of The SEIS

CDFG is fully responsible to endorse and implement all the requirements of this Simplified Environment Impact Statement (SEIS); including implementation of requisite legal frameworks. Monitoring of the fuel filling station activities will be carried out by the CDFG as the project's proponent and will be responsible for day-to-day management of the project's activities.

g. The Structure of The EMP

This document has been structured to describe the new, project-related facilities and their likely impacts - positive, neutral or negative - on the existing environment (including the community, the natural environment and local cultural heritage) in the context of prevailing government policies and law:

Tabel 2. Structure of EMP

Section 1	Executive Summary
Section 2	Details of The Project Proponent
Section 3	Details of The Consultant Who Prepared EMP
Section 4	Description of The Project
Section 5	Legal Requirements
Section 6	Institutional Roles and Responsibility
Section 7	Summary of Impact
Section 8	Description of proposed Mitigation Measures
Section 9	Governing Parameters
Section 10	Monitoring Program
Section 11	Reporting Requirements
Section 12	Responsibilities for Mitigation and Monitoring
Section 13	Emergency Plan
Section 14	Decommissioning Plan
Section 15	Capacity Development and Training
Section 16	Public Consultation and Information Disclosure
Section 17	Complaints and Grievances Mechanisms
Section 18	Work Plan and Implementation Schedule
Section 19	Cost Estimates Review of the EMP
Section 20	Non-Technical Summary

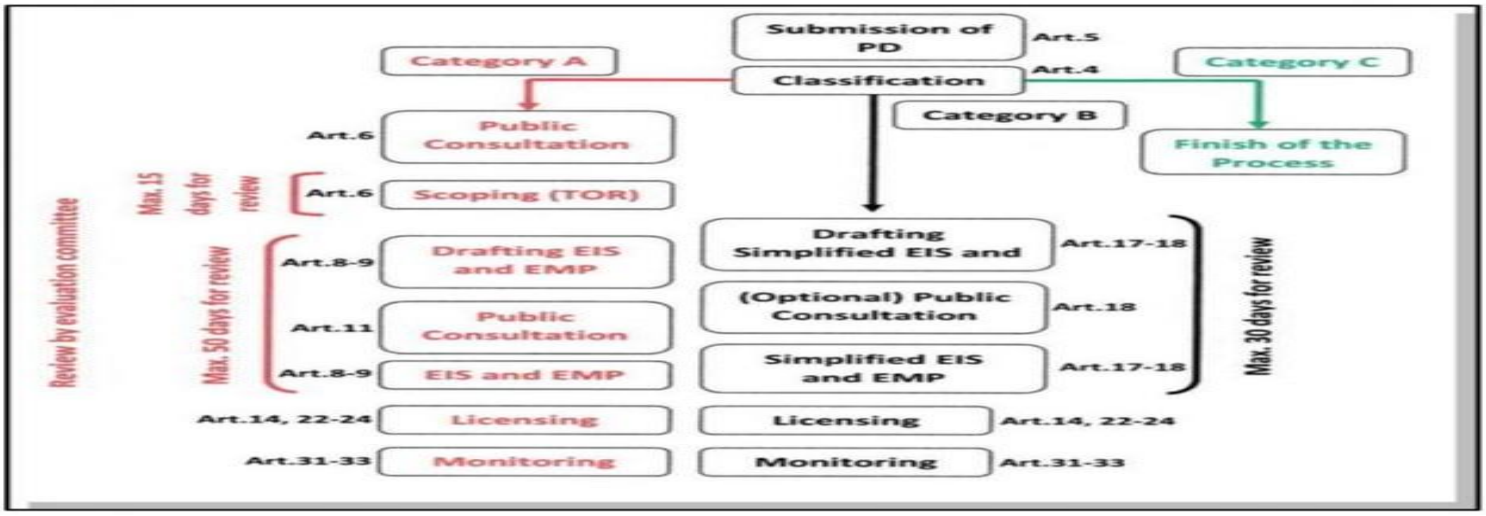
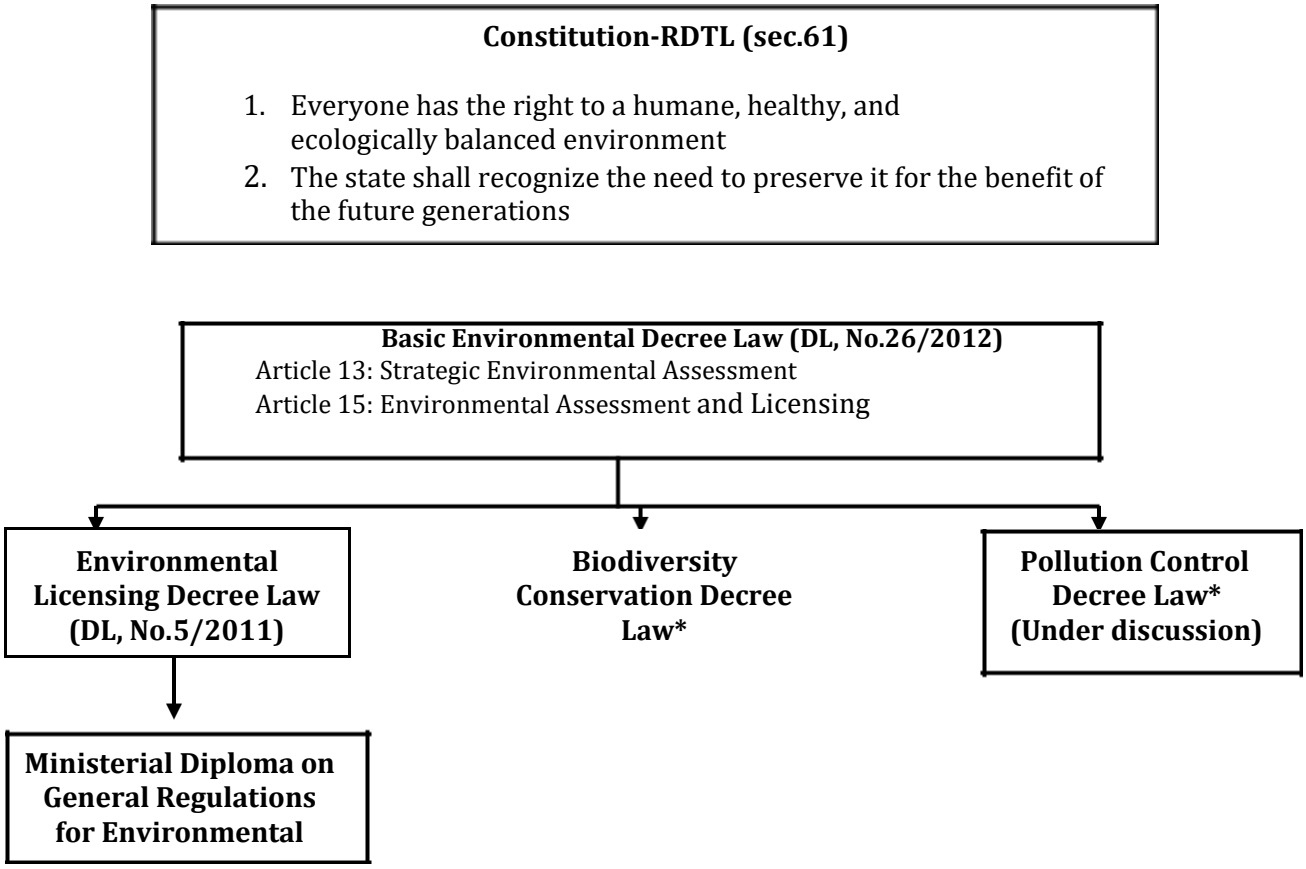


Figure 15. EIA Process Required for Category A, B and C Project

5. LEGAL RECRUITMENTS

a. Hierarchy of Environmental Law



b. Relevant Laws and Regulation

This environmental impacts assessment as a basis to prepare the report SEIS and EMP has been conducted by taking the reference from the legal framework of environmental safeguard policy, as well as the Timor Leste regulation of petroleum and mineral resources management. The following table, show the main regulation related to EIA and petroleum activity in Timor Leste.

Table 3. Relevant Laws and Regulation

Agency	Relevant Laws
Ministry of Commerce and Environment	Decree Law No. 5/2011
	Decree Law No. 26/2012 on Environmental base law
	(Draft) Law on Biodiversity (March 2012)
	(Draft) Law on Protected Area (May 2013)
	UNTAET Law No. 19/2000 on Protected Area
Ministry of Agriculture and Fisheries (MAF)	Law No. 12/2004 on Crimes related fisheries
	Law No. 6/2006 on legal Basis for management and Regulation of Fisheries and Agriculture
National Petroleum and Mineral Authority	1. ANPM Regulation no.2/2014, of 24, October 2014, first Amendment of ANPM regulatory No. 1/2012 on the downstream petroleum activity. 2. Amended By ANPM Regulation No. 3/2014, 24 October 2014. Regulation No. 1/2020, Of 19 June 2020 Second Amendment To ANPM Regulation No. 1/2013, Of 18 September 2013 On Installation And Operation Of Fuel Filling Stations As Amended By ANPM Regulation No. 3/2014, 24 October 2014.
International	1. Convention on the Prevention of Marine pollution by Dumping of Wastes and other Matter (London Dumping Protocol) 2. Indonesian Petroleum Regulation

Other relevant regulation required in absence of local regulation are also applicable such WHO, IFC, USEPA, where some standard parameters of the environmental indicator was used. The following table shows the most applicable international standards parameter of the environmental indicators:

Table 4. Applicable International standards in Absence of Timor Leste's Standards

Environmental Standard	TL National Standard	International Standard
Drinking water Quality standards	Adopted WHO Standards	WHOs
Waste water effluent	None	WHO/USEPA
Ambient Air Quality Standards	None	IFC/WHO
Heavy Metal Standards	None	WHO
Noise	Leq55dB(A) per UNTAET Regulation	Word Bank
Vibration	None	USEPA
Soil	None	IFC/Word Bank
Ambient receiving water Quality Standards	None	IFC/WHO
OHS	None	IFC/ISO-81001

c. Downstream Regulations

Regulation No. 1/2020, Of 19 June 2020 Second Amendment To ANPM Regulation No. 1/2013, Of 18 September 2013 On Installation And Operation Of Fuel Filling Stations As Amended By ANPM Regulation No. 3/2014, 24 October 2014.

This regulation serves as a legal instrument necessary to efficiently manage the procedures for reviewing existing installations, installing new Fuel Filling Stations, renovating or making alterations to existing Fuel Filling Stations, as well as their operation.

General Principles for Installation of Fuel Filling Station

Section I of this regulation covers the *location, project and licensing approvals*.

- The approval of the location of a new or an existing Fuel Filling Station is done prior to the presentation and approval of a project for the construction of a Fuel Filling Station. It must be made through the completion and submission of the form included in annex I in this regulation, called "*Application for Approval of Location of a Fuel Filling Station*" to the ANPM.
- After obtaining a Certificate of Approval of Location for Fuel Filling Station, operators of new or existing Fuel Filling Station shall present to the ANPM an "*Application for the Approval of a Project for a Fuel Filling Station*", in the form included in Annex II to this Regulation.
- The License Application shall follow the rules set forth in ANPM Regulation No.1/2012, of 24 October 2012, and the License is issued in the form set out in Annex I to Decree Law No.1/2012, of 1 February 2012, on the Downstream Sector.

First Amendment to ANPM Regulation no.1/2014 on Fuel, Biofuel, and Lubricant Quality Standards and Specifications. This regulation sets the minimum quality standards for Fuel, Biofuel, Lubricants and similar products available in the domestic market and minimum standards of consumer protection.

6. INSTITUTING ROLES AND RESPONSIBILITIES

Proponent responsibilities Category B Project – Automotive Fuel Filling Station

- ✓ Preparation of Project Document and submission
- ✓ Holding a public consultation (optional)
- ✓ Implementation of environmental survey, prediction of environmental impacts, and evaluation of these impacts identified
- ✓ Preparation of Environmental Management Plan
- ✓ Implementation of monitoring: to monitor periodically the environmental aspects identified and submit a monitoring report to the Environmental Authority

Relevant Authorities' Roles and Responsibilities

Agençia Nasional de Licensiamentu Ambiental (ANLA) ***Secretario Estado do Meio Ambiente (SEA)***	Carry out inspection and monitoring to safeguard the environment, health and safety
Autoridade Nacional do Petróleo e Minerais (ANPM) ***Direcção Downstream*** ***Ministério* do Petróleo**	The regulatory authority for the petroleum and natural gas and related products, and mining Industries Carry out inspection and monitoring on downstream activities
Direcção Nacional* de *Servicos* de *Águas e Saneamento (DNSAS)	Responsible for the national management of water resources. It also formulates sector policy, manages the distribution for human consumption, and monitor water quality through DNSAS laboratory
Ministério da Saúde	Responsible for public health
Direcção Nacional da Protecção Civil (which include the fire fighters)	Responsible for fire hazard and emergency

7. SUMMARY OF IMPACTS

Environmental impacts at an automotive fuel filling station are primarily resulted from storing and handling of fuels on site, which associated with emissions/release of products to soil, groundwater and surface water (release in liquid phase), and emissions to air (vapor phase of the fuel). Sources that may give rise to contamination on site include underground storage tanks, pumps or dispensers, fuel pipe between tanks and pumps, waste oil tanks, etc. The contamination may result from a slow leak over time or a fast release (spill) for the sources that may rise to contamination and it may occur at or near the surface, or at a depth. Furthermore, the age, type of construction and method of operation used for the facilities at the fuel filling station may affect the likelihood and severity of the impacts on the environment.

The activities arise from the operational stage of the fuel filling station are likely to cause noise that may become a nuisance to the surrounding community. Such activities may also affect the health and safety of the workers and the local community, particularly from the vapor release that may have adverse health impacts, and the risk of fire/explosion. Moreover, there may be a disruption from unruly behavior of customers or violence on site which can affect the safety of the workers and general public.

The following table lists the main activities and facilities on site that are likely to cause social and environmental impacts during the Pre-Construction, Construction Maintenance and operational phase. It highlights the interaction between the potential sources of pollution (*e.g.* the loss product) that migrates (pathway) until it reaches the receptors, such as soil, water, air, and biodiversity (plants and wildlife) that can be affected.

Table 5. Summary of Impact

Project Related Activity	Source of potential impacts	Potential Impacts	
		Negative	Positive
PRE-CONSTRUCTION			
• Land clearing using heavy machinery • Land excavation	• Land clearing • Poor soil and rock piles • Inexperienced workers • Fuel and lubricant leakages	• Air pollution • Noise and vibration pollution • Impact on workers' health and safety and community • Impact on agriculture, geology economic and ecology • Soil and water pollution • Fire or/and explosion • Conflict • Impact on traffic	Employment opportunity
• Vehicle and heavy machinery	• Intense movements of vehicles and heavy	• Air pollution • Traffic jam and traffic accident	

movements	machineries in and out of the facility • Inexperienced workers • Fuel and lubricant leakages	• Impact on workers' health and safety and community • Soil and water pollution • Fire or/and explosion • Conflict • Impact on traffic	
• Wastes Production	• Poor soil and rock piles • Improper disposal of wastes • Poor site management	• Air pollution • Visual pollution • Soil and water pollution • Impact on economic and agricultural activity • Conflict • Impact on traffic	
CONSTRUCTION			
• Vehicles and heavy machineries movement • Excavation	• Poor site management • Inexperienced workers and drivers • Poor soil and rock piles management • Fuel and lubricant leakages	• Air pollution • Noise and vibration pollution • Impact on workers' health and safety • Soil and water pollution • Fire or/and explosion • Conflict • Impact on traffic	Employment opportunity
• Concrete mixtures for construction of walls, floor, supporting office, retention basin, pumps island and etc.	• Poor site management • Inexperienced workers • Fuel and lubricant leakages	• Air pollution • Noise and vibration pollution • Impact on workers' health and safety and community • Soil and water pollution • Fire or/and explosion • Conflict	
• Installation of underground tanks, Fuel pipes, canopy and dispensers electrical system and etc.	• Inexperienced workers • Not follow procedures	• Air pollution • Noise and vibration pollution • Impact on workers' health and safety and community • Fire or/and explosion • Conflict	
• Wastes production	• Improper disposal of wastes • Poor site management	• Visual pollution, • Soil and water pollution • Conflict • Impact on economic and agricultural activity	
OPERATION			

• Fuel delivery from tankers to underground storage tanks • Dispensing fuel in to vehicles tanks	• Inexperienced and untrained staffs • Leaking or spill during transferring of fuels • Safety procedure negligence • Leaking from the underground tanks • Overfilled of vehicles' tanks • Smoking and using mobile phone in the facility • Poor facility management • Movement of vehicles and people • Leaking from dispensers • Leaking from pipes • Lack of monitoring and inspection	• Fire or/and explosion in the facility • Air pollution in and outside the facility • Impact on health and safety of the workers and community • Soil, surface water and groundwater pollution • Fire or/and explosion in the facility • Air pollution in and outside the facility • Impact on health and safety of the workers and community • Impact on soil, surface water and groundwater	Employment opportunity
• Use of electricity	• Lack of inspection • Electrical failure	• Fire and explosion • Impact on health and safety of the workers and community	
• Movement of vehicles in and out of the facility	• Poor facility management	• Traffic jam and traffic accident during peak hours • Impact on people inside and outside of the facility, including the workers	
• Community activity • Residence inside the facility's activity	• Rubbish burning • Burning house • Burning for agriculture purposes	• Air quality in and outside the facility • Fire in the facility • Explosion in the facility • Loss of life • Impact on health and safety of the workers	
• Solid and liquid wastes production	• Improper management of wastes • Improper wastes disposal • Poor wastes management	• Soil and water pollution • Impact on land field • Impact on economic and agricultural activity	
MAINTENANCE			
• Underground storage tanks maintenance • Fuel pipes maintenance • Dispensers maintenance	• Inexperienced and untrained staffs • Improper use of equipment • Safety procedure negligence • Leak and spill • Poor planning to carry out the activity • Vehicles and people's movements	• Impact on health and safety of the workers and community • Fire or/and explosion in the facility • Air pollution • Traffic accident	Employment opportunity

	• Volatile organic compounds emission		
• Canopy maintenance • Fence/wall/ maintenance • Floor maintenance	• Poor planning to carry out the activity • Inexperienced and untrained staffs • Improper use of equipment • Safety procedure negligence • Vehicles and people's movements	• Noise and vibration pollution • Air pollution • Impact on health and safety of the workers	
• Electrical system maintenance	• Inexperienced and untrained staffs	• Fire or/and explosion • Impact on health and safety of the workers • Loss of life	
• Vehicles movement in and out of the facility	• Vehicles and people's movements in the facility • Poor facility management	• Noise and vibration pollution • Air pollution • Impact on health and safety of the workers • Loss of life • Impact on traffic	
• Drainage maintenance/ • Oil trap system maintenance	• Inexperienced and untrained staffs • Improper use of equipment • Safety procedure negligence • Poor wastes management	• Noise and vibration pollution • Impact on health and safety of the workers • Soil, and water pollution, • Impact on economic and agriculture activity	
DECOMMISSIONING			
• Removing of storage tanks, dispensers and fuel pipes	• Inexperienced staffs • Improper use of equipment • Safety procedure negligence	• Noise and vibration pollution • Air pollution • Impact on staffs occupational health and safety • Impact on community health and safety	Employees would losing their job
• Dismantle canopy, demolish supporting office (and minimarket), floors, walls oil traps system, drainage and etc.	• Inexperienced staffs • Improper use of equipment • Safety procedure negligence	• Noise and vibration pollution • Air pollution • Impact on staffs occupational health and safety • Impact on community health and safety	
• Movement of vehicles and heavy machineries in and out of the facility	• Movement of people and other vehicles outside the facility • Safety procedure negligence	• Impact on staffs occupational health and safety • Impact on community health and safety • Damage to public and private facility and property • Impact on traffic	
• Produce solid and liquid wastes	• Dismantle of the facility components	• Soil quality and water pollution • Air pollution	

	• Leaks and spill of fuel from vehicles • Sludge from oil traps and storage tanks • Poor wastes management	• Land field • Impact on economic and agricultural activity	

8. DESCRIPTION OF PROPOSED MITIGATION MEASURES

The following section provides mitigation measures required for managing and controlling the potential impacts identified during the operational and decommissioning phase of the fuel filling station.

Table 6. Proposed of Mitigation Measures

PRE-CONSTRUCTION

	Impacts	Parameter / particular concerns	Preventive actions	Control and responding actions	Corrective actions
• Land clearing • Vehicles movements • Use of heavy of machinery for land clearing and excavation • Wastes production and burning	**Air quality**	*Dust (particulate matter) and Flue gasses/ exhaust gasses impact on air quality*	1. Regular spray dusty area using water to suppress dust from suspend in the air 2. Proper pilling of soil from earth work 3. Establish speed limits to vehicles operate inside and outside the project area and the speed limit sign should be temporarily installed in the project to remind the drivers. 4. Stop the work when it is windy if required to 5. Regularly conduct maintenance to vehicles and equipment to avoid emission to the air 6. Reduce vehicle's speed to minimise flue gasses emission and dust from suspend in the air 7. Turn off unnecessary idling of vehicles and machineries' engines 8. Inspect vehicles condition before using them 9. Wastes should not be burnt in the project area, but managed properly and disposed of at the designated location 10. Proper wastes management sign must be displayed at project site 11. Maximum supervision from project manager on the activities	1. Stop the activities if it generates a lot of dust 2. Stop using vehicles and equipment that emit too much flue gasses 3. Conduct maintenance to construction's equipment and vehicles when they emit gasses too much 4. Clean the wastes and disposed at the designated location 5. Maximum supervision from project manager on the activities	1. Reassess the existing preventative measures and implement the result 2. Install fence around the project site to isolate dust to spread to surround. This could be one of the corrective actions to isolate the dust to spread to surround. 3. Maximum supervision from project manager on the activities

• Land clearing • Vehicles movement and excavation • Use of heavy machinery for land clearing and excavation • Wastes production and burning	**Workers' Occupational health and Safety (OHS)**	*Dust (particulate matter) impact on Workers Flue gasses/ exhaust gasses impact on Workers*	1. Regular spray dusty area using water to suppress dust from suspend in the air 2. Proper pilling of soil from earth work 3. Establish speed limits to vehicles operate inside and outside the project area and the speed limit sign should be temporarily installed in the project to remind the drivers. 4. Stop the work when it is windy 5. Prepare and provide Proper PPE and ensure they are worn by the Workers 6. Regularly conduct maintenance to vehicles and equipment to avoid emission into the air 7. Workers should spend less time next to idling engines 8. Turn off unnecessary idling of vehicles and machineries' engines 9. Inspect vehicles and machineries condition before using them 10. Wastes should not be burnt in the project area, but managed properly and disposed of at designated location 11. Proper wastes management sign must be displayed at project site 12. Maximum supervision from project manager on the activities	1. Stop the activities if it generates a lot of dust 2. Stop using vehicles and equipment that emit too much flue gasses 3. Conduct maintenance to construction's equipment and vehicles when they emit gasses too much 4. Clean the wastes and disposed at the designated location 6. Maximum supervision from project manager on the activities	1. Reassess the existing preventative measures and implement the result 2. Install fence around the project site to isolate dust to spread to surround. This could be one of the corrective actions to isolate the dust to spread to surround. 3. Maximum supervision from project manager on the activities
• Land clearing and excavation		*Workers exposure to extreme heat*	1. Workers must adjust exposure until body is acclimated to the heat 2. Do not ignore possible symptoms of heat stress 3. Provide water to Workers 4. Set up schedule for workers to rest and ensure workers take break according to working schedule 5. Provide and ensure workers to wear proper PPE 6. Emergency contact numbers should be provided and displayed in the working area 7. Maximum supervision from project manager on the activities	1. Notify supervisor of any personal risk factors 2. Treat Workers suffer from unserious heat stress 3. Evacuate the workers suffer from serious heat stress to hospital or clinic close by or call ambulance for evacuation 4. Maximum supervision from the project manager on the activities and sick Workers	1. Let the Workers recover completely before resume to work 2. Compensate the workers if necessary 3. Reassess the existing preventative measures and implement the result 4. Maximum supervision from the project manager on the activities
• Land clearing using heavy machineries • Vehicles movements during land clearing and excavation		*Workers injury related to accident (vehicles, heavy duty equipment, etc.)*	1. Only allow experienced drivers to drive company's vehicles 2. Only allow experienced Workers operate heavy machineries 3. Prepare and provide PPE to Workers and ensure the PPE are used by the workers 4. Ensure Workers are fit prior to undertake any works 5. Hiring healthy Workers 6. First aid kids should be placed at strategic locations and easy to reach out 7. Direct away community movement from project site	1. Cease the work temporarily when there is accident or incident 2. Treat the unserious injured Workers 3. Evacuate the serious injured Workers to nearest hospital or clinics or call ambulance for evacuation assistance 4. Maximum supervision from the manager on the activities	1. Let Workers recover completely before resume to work 2. Compensate the Workers if necessary 3. Reassess the existing preventative measures and implement the result 4. Maximum supervision from the manager on the activities

			using appropriate sign 8. Assigned tasks to Workers based on their skill and knowledge 9. Provision of training for proper equipment handling and safety precaution for equipment handling 10. Emergency contact numbers should be provided and displayed in working area. 11. Maximum supervision from the project manager on the activities	and the injured Workers	
• Use of heavy machinery during land clearing and excavation		*Workers mechanical related works accident or incident*	1. Hiring people with related work experiences 2. Workers must understand mechanical hazard 3. Prevent body from contacting hazardous moving parts of equipment 4. Prepare and provide PPE to Workers and ensure the PPE are used by the workers 5. Ensure no objects fall into moving parts of equipment 6. First aid should be prepared at the site 7. Maximum supervision from the project manager on the activities	1. Cease the work temporarily when workers are injury 2. Apply first aid to treat the unserious injured Workers properly 3. Evacuate the serious injured Workers nearby hospitals or clinics or call ambulance for evacuation 4. Maximum supervision from the project manager on the activities and injured Workers	1. Let the injured Workers recover completely before resume to work 2. Compensate the Workers if necessary 3. Reassess the existing preventative measures and implement the result 4. Maximum supervision from the project manager on the activities
• Use of heavy machinery during land clearing and excavation		*Noise impact to Workers*	1. Provide PPE to workers and ensure the PPE are worn by workers 2. Mechanical equipment with lower sound power levels will be selected to ensure that the permissible occupation noise-rating limit of 85 dBA is not exceeded. 3. All equipment to be adequately maintained and kept in good working order to reduce noise. 4. Control noise level to not exceed the limit 5. Maximum supervision from the project manager on the activities	1. Stop the work temporarily if it generates noise that exceed the limit 2. Maximum supervision from the project manager on the activities	1. Reassess the existing preventative measures and implement the result 2. Maximum supervision from the project manager on the activities
• Vehicles movements during land clearing and excavation • Land clearing • Use of heavy of machinery for land clearing and excavation • Wastes production and burning	**Social impact (community health and safety)**	*Dust (particulate matter) and Flue gasses/ exhaust gasses impact on community*	1. Regular spray dusty area using water to suppress dust from suspend in the air 2. Proper pilling of soil from earth work 3. Establish speed limits to vehicles operate inside and outside the project area and the speed limit sign should be temporarily installed in the project to remind the drivers. 4. Stop the work when it is windy if needed 5. Prepare and provide PPE to community surround the project if required 6. Regularly conduct maintenance to equipment and vehicles to avoid emission to the air 7. Reduce vehicle speed to minimize flue gasses emission and dust from suspend in the air 8. Turn off the unneeded idling of vehicles and machineries' engines 9. Inspect vehicles and equipment condition before use them	1. Cease the work temporarily if it generates a lot of dust and if there is complaint 2. Record and resolve the complaint before resume to work 3. Stop using vehicles and machineries that emit flue gasses too much 4. Conduct maintenance to construction's equipment and vehicles when they emit gasses too much 5. Call the police if physical confrontation is involved during the complaint 6. Clean the wastes and dispose of at the designated location	1. Reassess the existing preventative measures and implement the result 2. Install fence around the project site to isolate dust to spread to surround. This could be one of the corrective actions to isolate the dust to spread to surround. 3. Maximum supervision from project manager on the activities

			10. Wastes should not be burnt in the project area, but managed properly and disposed at designated location 11. Proper wastes management sign must be displayed at project site 12. Maximum supervision from project manager on the activities	7. Maximum supervision from project manager on the activities	
• Vehicles movements inside and outside project area during site preparation • Land clearing • Excavation		*Traffic Jam and Traffic accident (general traffic)*	1. Co-ordination of movement of vehicles on and off site to reduce risks and prevent congestion on the roads in the vicinity of the site. 2. Project owner shall ensure the driver has valid driving license and if project owner hire its own driver, it shall ensure to hire competent and experienced drivers 3. Signs should be installed near the project area to inform general traffic 4. Designate personnel to help smoothing the traffic during vehicles movements in and out of the project and in cases the movement may obstruct traffic especially in the peak hours, local traffic officials/police officer must be contacted. 5. Reduce number of construction vehicle leaving the site during peak hours 6. Clear markings to set apart vehicle and pedestrians routes right outside the project site 7. Provide designated safe zones for drivers to stand when unloading/loading material is being undertaken. 8. Driver should follow established traffic rules 9. Driver should not be under alcohol influence when driving companies' vehicles 10. Encourage drivers to walk the route and plan for manoeuvrability on sites 11. Manage the work hours and duration for drivers to minimize fatigue. 12. Establish a speed limit to the driver driving outside the project area. 13. Established parking area outside of the project area should not cause traffic jam 14. If project owner uses its car for the construction work then it shall ensure first aid kit is available inside the car. 15. Provide emergency contact number in the vehicles and make driver aware of it 16. Maximum supervision from the project manager on the activities	1. Drivers should stop the vehicles immediately if vehicles cause traffic accident or incident 2. Other activities shall be stop temporarily 3. Driver or worker should immediately contact relevant emergency contact number for assistance 4. Driver should let project manager know right away 5. Apply first aid to treat small injured 6. Evacuate serious injured to hospital or clinics or call ambulance for evacuation 7. Maximum supervision from project manager on the activities	1. Compensate the vehicle accident victims if necessary 2. Reassess the existing preventative measures and implement the result 3. Maximum supervision from project manager on the activities
• Vehicles movements in the project area during site preparation • Land clearing		*Noise and vibration impact to community*	1. Neighbouring landowners must be informed prior to any loud work 2. Work should occur during day hours only between 08:00Am-5:00Pm, on week days only. 3. Mechanical equipment with lower sound power levels will be selected to ensure that the permissible occupation noise-rating limit of 85 dBA is not exceeded.	1. Cease the work temporarily when there is complaint from the community 2. Resolve complaints from the community in a proper manner 3. Call the police if there is	1. Reassess the existing preventative measures and implement the result 2. Maximum supervision from the project manager on the activities

and excavation			4. All equipment to be adequately maintained and kept in good working order to reduce noise. 5. Use low noise and vibration equipment 6. Maximum supervision from the project manager on the activities	physical confrontation involved during the complaint 4. Maximum supervision from the project manager on the activities	
• Leaking of fuels and lubricants from the heavy machinery and vehicles	**Soil quality, Water quality (both groundwater and surface water)**	*Soil, surface and groundwater pollution*	1. Inspection to construction vehicles and heavy machineries should be regularly done 2. All construction vehicles and heavy machineries should be properly maintained to prevent leaks. 3. Spillage or leakage of oil and lubricants should be cleaned promptly using proper procedure and equipment and should be disposed of at the designated location. 4. Provide basic clean up material such as sand or any type of absorbents 5. Maximum supervision from the project manager on the activities	1. Project manager should be notified when construction vehicles or heavy machineries leak 2. Leaking construction vehicles or heavy machineries should undergo maintenance right away when it is found. 3. Clean up the spill using basic clean up material and dispose in the appropriate location 4. Maximum supervision from the project manager on the activities	1. Remediation must be undertake by the company when contamination is detected 2. Reassess the existing preventative measures and implement the result 3. Maximum supervision from the project manager on the activities
• Poor management during excavation and land clearing		*Soil and surface water pollution*	1. Install sediment retention structure around the project site to capture sediments in the raining season 2. Limit vehicles movement during raining season 3. Maximum supervision from the project manager on the activities	1. If the sediments from excavation and land clearing overload to public road, proponent shall immediately do the clean up 2. Maximum supervision from the project manager on the activities	1. Reassess the existing preventative measures and implement the result 2. Maximum supervision from the project manager on the activities
• Land clearing	**Ecology impact**	*Impact on animals Vegetation and animals*	1. Avoid cutting to trees that are not in the project area and that do not interfere with the site preparation 2. Avoid removing grasses that are not in the project area and that do not interfere with the site preparation 3. Avoid killing any animal during site preparation 4. Maximum supervision from the project manager on the activities	-	1. Replant appropriate grass and trees in the project area after the construction 2. Maximum supervision from the project manager on the activities
• Land excavation • Land clearing	**Geological impact**	*Disturbance of soil and rock*	1. Using appropriate excavation equipment 2. Excavation should only be done in the designated location 3. When find any minerals, relevant authority should be notified 4. Relevant authority should be notified if company plans to excavation soil or rock in other location for levelling the surface 5. The stock pile of soil and rock should be put at designated location 6. Stop the work when it is raining 7. Maximum supervision from the project manager on the activities	1. Cease the work temporarily when a mineral is found while excavating and notify the relevant authority 2. Resume the work if an investigation to the location is done 3. Maximum supervision from the project manager on the activities	1. Maximum supervision from the project manager on the activities
	Economic and agricultural	*Impact on economic and*	1. Asking for permission from the landowners before dumping soil or rock and other materials on lands 2. Avoid dumping soil or rocks and other material on	1. Cease the work temporarily when these is complaint 2. Resolve the complaint in a	1. Let the police investigate people of involve in physical confrontation

	impacts	*agriculture activities*	community agricultural land 3. Proper sign must be displayed at project site 4. Wastes should be managed properly and disposes at designated location 5. Maximum supervision from the project manager on the activities	proper manner 3. Call police if there is physical confrontation involved during the complaint 4. Clean the wastes and disposed at the designated location 5. Maximum supervision from the project manager on the activities	2. Compensate if needed 3. Reassess the existing preventative measures and implement the result 4. Remind the workers to manage and dispose wastes at designated location 5. Maximum supervision from the project manager on the activities

CONSTRUCTION

Activities	Impacts	Parameter/ particular concerns	Preventive action	Control and responding action	Corrective action
• Vehicles movements in and out of the project area • Concrete mixture • Use of heavy machineries • Use of backup generator • Wastes production and burning	**Air quality**	*Dust (particulate matter) and Flue gasses/exhaust gasses from activities impact on air quality*	1. Regular spray dusty area using water to suppress dust from suspend in the air 2. Reduce vehicle speed to minimize flue gasses emission and dust from suspend in the air. 3. Stock piles and spoil heaps must be covered with tarpaulins or straw to prevent fugitive dust. 4. Stop the work if it is windy 5. Establish speed limits to vehicles operate inside and outside the project area and the speed limit sign should be temporarily installed in the project to remind the drivers. 6. Every vehicle should be washed to remove any dusty materials from its body and wheels before leaving the construction sites. 7. Regular maintenance for construction vehicles and equipment to avoid emission to the air 8. Turn of the unnecessary idling engines of vehicles and machineries 9. Waste should not be burnt in the project area, but managed properly and disposed of at designated location 10. Proper wastes management sign must be displayed at project site 11. Maximum supervision from project manager on the activities	1. Cease the work temporarily if it generates a lot of dust 2. Stop using vehicles and machineries that emit flue gasses too much 3. Clean the wastes and disposed at the designated location 4. Maximum supervision from project manager on the activities	1. Reassess the existing preventative measures and implement the result 2. Conduct maintenance to construction's equipment and vehicles when they emit gasses too much 3. Install fence around the project site to isolate dust to spread to surround. This could be one of the corrective actions to isolate the dust to spread to surround 4. Ensure that necessary measure has been put in place prior to resume the construction activities 5. Maximum supervision from project manager on the activities

• Vehicles movements in and out of the project area • Use of concrete mixer • Use of heavy machinery • Use of backup generator • Wastes production and burning	**Workers' Occupational Health and Safety (OHS)**	*Dust (particulate matter) and Flue gasses/exhaust gasses impact on workers*	1. Regular spray dusty area using water to suppress dust from suspend in the air 2. Proper pilling of soil from earth work 3. Establish speed limits to vehicles operate inside and outside the project area and the speed limit sign should be temporarily installed in the project to remind the drivers. 4. Stop the work when it is windy 5. Prepare and provide PPE to workers and ensure they are worn by workers 6. Regularly conduct maintenance to vehicles and equipment to avoid emission into the air 7. Turn off unnecessary idling of vehicles and machineries' engines 8. Inspect vehicles and machineries condition before using them 9. Wastes should not be burnt in the project area, but managed properly and disposed of at designated location, 10. Proper wastes management sign must be displayed at project site 11. Maximum supervision from project manager on the activities	1. Cease the work temporarily if it generates a lot of dust 2. Stop using vehicles and machineries that emit flue gasses too much 3. Conduct maintenance to construction's equipment and vehicles when they emit gasses too much 4. Clean the wastes and disposed at the designated location 5. Maximum supervision from project manager on the activities	1. Reassess the existing preventative measures and implement the result 2. Install fence around the project site to isolate dust to spread to surround. This could be one of the corrective actions to isolate the dust to spread to surround. 3. Ensure that necessary measure has been put in place prior to resume the construction activities 4. Maximum supervision from project manager on the activities
• Construction and installation of the project's components		*Electrical related work accident or incident*	1. Only allow professional and experienced people install the electrical system 2. Proper PPE must be worn when installing electrical system 3. Install specific cable only for the electrical system 4. Inspect wiring of equipment before each use. 5. Use safe work practices every time electrical equipment is used. 6. Minimize the potential for water or chemical spills on or near electrical equipment. 7. Only suitable electrical equipment provided are used 8. First aid kits much be made available at project site 9. Maximum supervision from the project manager on the activities	1. Cease the activities temporarily when there is accident on incident related to electricity 2. Treat the minor injured Workers if possible 3. Evacuate the serious injured Workers to nearest hospital or clinic or contact emergency number for evacuation assistance 4. Electrical system installations should be installed by a competent person 5. Maximum supervision from the project manager on the activities	1. First aid kits much be made available at project site 2. Let the injured Workers fully recover before resume to work 3. Compensate the Workers if necessary 4. Do proper record and make the record available in the project for audit purpose 5. Reassess the existing preventative measures and implement the result 6. Ensure that necessary measure has been put in place prior to resume the construction activities 7. Maximum supervision from the project manager on the activities
		Expose to heat extreme heat	1. Workers must adjust exposure until body is acclimated to the heat 2. Set up schedule for workers to rest and ensure workers take break according to working schedule 3. Do not ignore possible symptoms of heat stress 4. Use proper PPE	1. Notify supervisor of any personal risk factors 2. Applied first aid to treat Workers that suffer from mild heat stress 3. Evacuate Workers that suffer	1. Let the worker fully recover before resume to work 2. Compensate the Workers if necessary 3. Do proper record and make the record available to the

			5. Water should be provided in the work site for the workers 6. Maximum supervision from the project manager on the activities	from moderate or severe heat stress to nearest hospital or clinic or contact emergency number for evacuation 4. Maximum supervision from the project manager on the activities	ANPM. 4. Reassess the existing preventative measures and implement the result 5. Ensure that necessary measure has been put in place prior to resume the construction activities 6. Maximum supervision from the project manager on the activities
		Accident or incident related to installation of components (underground storage, canopy, pump island, pipework, wall/fence, office etc.)	1. Project manager should ensure that all Workers are fit prior to undertake the work 2. The installation and construction of the project component should be done by professional and experienced Workers only. The information (CV) on staff to undertake the installation of critical equipment such as tanks, pumps, piping system and fuel dispensers shall be provided to ANPM before the construction begins. 3. Workers shall wear proper PPE and project manager should ensure that all contractors, consultants and labourers must wear appropriate personal protective equipment (PPE) on site. 4. First Aid kits must be made available at workplace 5. The construction site must be fenced off to prohibit unauthorized access and site access must be strictly controlled. 6. Open excavations must be clearly marked. 7. Appropriate health and safety signage must be displayed on site. 8. Emergency contact numbers should displayed in the project area and construction worker should be made know of it 9. All visitors must report to the site office. 10. Sign for the hazardous zones should be displayed on site 11. Barricade hazardous zones 12. Maximum supervision from the project manager on the activities	1. Cease the work temporary when there is serious accident or incident 2. Only certified first aid worker are allowed to apply first aid to unserious injured workers 3. Evacuate serious injured Workers to nearest hospital or clinic or contact emergency number for evacuation 4. Maximum supervision from the project manager on the activities	1. Let the injured Workers recover completely before resume to work 2. Compensate the Workers if necessary 3. Do proper record and make the record available to the ANPM. 4. Reassess the current prevention measures and implement it 5. Ensure that necessary measure has been put in place prior to resume the construction activities 6. Maximum supervision from the project manager on the activities

		Accident or incident related to work in Confined space	1. Proper procedure for Confine Space entry shall be established and shall be made available anytime to the authority 2. Work related to Confined Space must follow the established procedure 3. Ensure that only certified Workers can perform confined space work 4. Appropriate protective equipment shall be used during perform confined space work 5. Make sure work to in a team of two or more 6. Maximum supervision from the project manager on the activities	1. Cease the temporarily when accident or incident happen 2. Rescue the injured workers from the confined space 3. Apply first aid to treat non serious injury 4. Evacuate the serious injured Workers to nearest hospital or clinic or call ambulance 5. Maximum supervision from the project manager on the activities	1. Let the work recover completely before resume to work 2. Proper record on the incident and investigation result and shall make record available to the ANPM 3. Compensate the Workers if necessary 4. Reassess the current prevention measures and implement it 5. Ensure that necessary measure has been put in place prior to resume the construction activities 6. Maximum supervision from the project manager on the activities
• Vehicles movements in and out of the project area • Working with heavy machineries • Work at height		*Risk injury related to accident (vehicles, heavy duty equipment, working in height, etc.)*	1. Only allow experienced drivers to drive company's vehicles 2. Only allow experienced Workers operate heavy machineries 3. Install proper traffic sign in the project area and outside the project area 4. Provide safety briefing to the workers 5. Provide First aid kits at project site 6. Hold frequent safety meeting 7. Wear proper PPE for working at height 8. Trying a less risky option 9. Organizing work to reduce exposure to the hazard. 10. Preventing access to the hazardous zones. 11. Workers must make sure that every time other Workers are on roofs and scaffolding, fall-prevention countermeasures are in place. 12. Prevent falling objects 13. Do proper risk assessment before performing the work specially work at height 14. Maximum supervision from project manager on the activities	1. Cease the work temporarily when there is serious accident or incident 2. Rescue the injured work 3. Apply first aid to treat unserious injury 4. Evacuate serious injured Workers to nearest hospital or clinic or contact ambulance for evacuation assistance 5. Notify the ANPM on the accident. 6. Maximum supervision from the project manager on the activities	1. Let the injured Workers recover completely before resume to work 2. Proper record on the incident and investigation result and shall make the record available to the ANPM. 3. Compensate the Workers if necessary 4. Reassess the current prevention measures and implement it 5. Ensure that necessary measure has been put in place prior to resume the construction activities 6. Maximum supervision from project manager on the activities
• Welding • Installation of project's components • Maintenance of cars and heavy machineries		*Workers Mechanical related works accident or incident*	1. Hiring people with related work experiences and knowledge so that they understand hazards and associated risks 2. Proper PPE must be worn before starting work 3. Prevent body from contacting hazardous moving parts 4. Ensure no objects can fall into moving parts 5. First aid kits shall be made available on site 6. Do proper risk assessment before performing the work specially work at height	1. Cease the work temporarily when there is accident or incident 2. Evacuate injured Workers to safe place 3. Apply first aid to treat unserious injury 4. Evacuate serious injured Workers to nearest hospital	1. Investigate what causes the fire or explosion 2. Proper record on the incident and investigation result and make the result available to the ANPM. 3. Let the Workers recovery completely before resume to work

			7. Maximum supervision from project manager on the activities	or clinic or call ambulance 5. Notify the ANPM on the accident. 6. Maximum supervision from project manager on the activities	4. Compensate the Workers if necessary 5. Reassess the existing preventative measures and implement the result 6. Ensure that necessary measure has been put in place prior to resume the construction activities 7. Maximum supervision from the project manager on the activities
• Welding • Installation of electricity • Leaking of fuels from vehicles and heavy machineries		*Impact of fire or/and explosion in the project site on Workers*	1. Hiring people with related knowledge and work experiences to do welding and instal electricity system so that they understand fire hazards and associated risks 2. Do proper risk assessment before performing welding and electrical work 3. Investigate surroundings before welding begins 4. Keep flammable materials far from welding areas 5. Practice good housekeeping 6. Any leakage from vehicle or heavy machinery should be cleaned immediately before carry out the activities 7. Establish emergency procedure and ensure it is well understood by Workers. 8. Provide emergency contact number in the project and make the Workers aware of it 9. Routine inspections of escape routes & fire safety signage 10. Always keep a fire extinguisher nearby 11. Provide First aid kits 12. All worker should wear proper PPE 13. Maximum supervision from the project manager on the activities	1. Cease the work temporarily when there is fire in the project area and Extinguish with fire extinguisher 2. If the fire is out of control, call Fire department for assistance 3. Evacuate Workers in the project site 4. Treat the unserious injured Workers 5. Contact emergency numbers to evacuate the serious injured Workers to nearest hospital or clinic, 6. Notify the ANPM on the accident. 7. Maximum supervision from the project manager on the accident or incident	1. Investigate what causes the fire or explosion 2. Proper record on the incident and investigation result and make the record available to the ANPM 3. Let the workers recover completely before resume to work 4. Compensate the Workers if necessary 5. Reassess the existing preventative measures and implement the result 6. Ensure that necessary measure has been put in place prior to resume the construction activities 7. Maximum supervision from the project manager on the activities
• Vehicles movement in and out of the project area • Movement and use of heavy machinery • Excavation		*Noise and vibration impact on workers*	1. Provide proper PPE to Workers and ensure the PPE are used by workers 2. Use low noise and vibration machineries 3. Schedule resting time properly 4. Mechanical equipment with lower sound power levels will be selected to ensure that the permissible occupation noise-rating limit of 85 dBA is not exceeded. 5. All equipment to be adequately maintained and kept in good working order to reduce noise. 6. Maximum supervision from the project manager on the activities	1. If the noise and vibration exceed the limit, stop the activities temporarily 2. Check the equipment and do proper maintenance if required. 3. Maximum supervision from the project manager on the activities	1. Do proper record and make it available in site 2. Reassess the existing preventative measures and implement the result 3. Ensure that necessary measure has been put in place prior to resume the construction activities 4. Maximum supervision from the project manager on the activities
• Vehicles movements in and out of the	**Social impact (community' s health and**	*Dust (particulate matter) and*	1. Regular spray dusty area using water to suppress dust from suspend in the air 2. Stock piles and spoil heaps must be covered with	1. Cease the work temporarily if it generates a lot of dust and if there is complaint	1. Let the police investigate people who involve in physical

project • Use of concrete mixer • Working with heavy machineries • Use of backup generator • Wastes production and burning	**safety)**	*Flue gasses /exhaust gasses impact on community*	tarpaulins or straw to prevent fugitive dust. 3. Establish speed limits to vehicles operate inside and outside the project area and the speed limit sign should be temporarily installed in the project area to remind the drivers. 4. Every vehicle should be washed to remove any dusty materials from its body and wheels before leaving the construction sites. 5. Regular maintenance for construction vehicles, equipment and backup generator to avoid emission to the air 6. Turn off unnecessary idling of vehicles and machineries' engines 7. Stop using heavy flue gasses emitter vehicles, machineries and back-up generator 8. Wastes should not be burnt in the project area, but managed properly and disposed of at designated location 9. Proper wastes management sign should be displayed at the project site 10. Maximum supervision from project manager on the activities	2. Record and resolve the complaint before resume to work 3. Stop using vehicles and machineries that emit flue gasses too much 4. Call the police if physical confrontation is involved during the complaint 5. Clean the wastes and dispose at the designated location 6. Maximum supervision from project manager on the activities	confrontation 2. Re planting trees or grass after construction at appropriate and designated location 3. Conduct maintenance to construction's equipment and vehicles when they emit gasses too much 4. Reassess the existing preventative measures and implement the result. 5. Install fence around the project site to isolate dust to spread to surround. This could be one of the corrective actions to isolate the dust to spread to surround. 6. Ensure that necessary measure has been put in place prior to resume the construction activities 7. Maximum supervision from project manager on the activities
• Vehicles movements in and out of the project site • Movement of people outside the project site		*Traffic Jam and traffic accident (general traffic)*	1. Co-ordination of movement of vehicles on and off site to reduce risks and prevent congestion on roads in the vicinity of the site. 2. Project owner shall ensure the driver has valid driving license and if project owner hire its own driver, it shall ensure to hire competent and experienced drivers 3. Signs should be installed near the project area to inform general traffic 4. Designate personnel to help smoothing the traffic during vehicles movements in and out of the project area and in cases the movement may obstruct traffic especially in the peak hours, local traffic officials/police officer must be contacted. 5. Reduce number of construction vehicle leaving the site during peak hours 6. Clear markings to set apart vehicle and pedestrians routes right outside the project site; 7. Unloading of materials should be performed inside the project area 8. Established parking area outside of the project area should not cause traffic jam.	1. Drivers shall stop the vehicles immediately if the vehicles cause traffic accidents or incidents 2. Other activities within the site shall be stop temporarily 3. Driver or worker should immediately contact relevant emergency contact number for assistance 4. Driver should let project manager know right away when there is accident or incident 5. Apply first aid to treat small injured 6. Evacuate serious injured to hospital or clinics or call ambulance for evacuation	1. Let the police investigate the accident 2. Proper record on the incident and accident, and investigation result and make the record available to the ANPM 3. Compensate the victims if necessary 4. Reassess the existing preventative measures and implement the result 5. Ensure that necessary measure has been put in place prior to resume the construction activities 6. Maximum supervision from project manager on vehicles movement outside the project area

			9. Driver should follow established traffic rules and signs on the roads 10. Driver should not be under alcohol influence when driving company's vehicles 11. Manage the work hours and duration for drivers to minimize fatigue. 12. Make sure visitors report to the site office 13. Provide warning signs at all entrances and exits to the site. 14. Establish a speed limit to the driver driving outside the project area. 15. Time deliveries for quiet times of the day to reduce the number of people who are likely to be near the vehicle being unloaded. 16. Maximum supervision from the project manager on the activities	7. Maximum supervision from project manager on the activities	
• Vehicles movements in and out of the project area • Working with heavy machineries • Construction of project's components		*Noise and vibration impact to community*	1. Community around the project location should be notified regarding the project and impact related to the project 2. Work should occur during hours only between 08:00Am-5:00Pm, on week days only. 3. Mechanical equipment with lower sound power levels will be selected to ensure that the permissible occupation noise-rating limit of 85 dBA is not exceeded. 4. All equipment to be adequately maintained and kept in good working order to reduce noise. 5. Mechanically isolate the vibrating source or surface to reduce exposure. 6. Ensure that equipment is well maintained to avoid excessive vibration. 7. Inspect and maintain machinery tools regularly to identify damage that could increase vibration. 8. Follow manufacturer instructions for use and maintenance. 9. Use high-quality, low-vibration tools. 10. Maximum supervision from the project manager on the activities	1. Cease the activities temporarily when there is complaints 2. Resolve complaints from the community in a proper manner 3. Call the police if there is physical confrontation involved during the complaint 4. Perform monitoring for equipment that presents a vibration risk 5. Maximum supervision from the project manager on the activities	1. Reassess the existing preventative measures and implement the result 2. Ensure that necessary measure has been put in place prior to resume the construction activities 3. Maximum supervision from the project manager on the activities
• Welding • Leaking of fuels from vehicles • Electrical workds		*Impact of fire or/and explosion to community*	1. Hiring people with related knowledge and work experiences to do welding and instal electricity system so that they understand fire hazards and associated risks 2. Do proper risk assessment before performing welding and electrical work 3. Investigate surroundings before welding begins and keep flammable materials far from welding areas 4. Practice good housekeeping and if there is any leakage from vehicle or heavy machinery, it should be cleaned immediately before carry out the activities 5. Establish emergency procedure and ensure it is well understood by Workers.	1. Cease the work temporarily when there is fire 2. Use proper fire extinguisher when there is fire in the project 3. Contact emergency numbers for assistance when fire is out of control before it spread to community house or facilities	1. Investigate what causes the fire or explosion 2. Compensate the Workers if necessary 3. Maintain full written records of each grievance case and the associated process of resolution and outcome for transparent, external reporting. 4. Maximum supervision from the project manager

			6. Notify neighbours prior to perform any work associated with fire hazards 7. Develop a grievance procedure to ensure fair and prompt resolution of problems arising from the project. 8. Maintain full written records of each grievance case and the associated processes of resolution and outcome for transparent, external reporting. 9. Routine inspections of escape routes & fire safety signage 10. Always keep a fire extinguisher nearby and ensure workers are aware to use fire extinguishers 11. Provide emergency contact number in the project and make the Workers aware of it 12. Provide First aid kits 13. All worker should wear proper PPE 14. Maximum supervision from the project manager on the activities	4. Evacuate community to safe place 5. Treat the unserious injured Workers 6. Evacuate the serious injured Workers to nearest hospital or clinic or contact emergency number for evacuation assistance 7. Notify the ANPM 8. Maximum supervision from the project manager on the accident or incident	on the activities
• Leaking of fuels and lubricant from movement of vehicles and use of heavy machineries	**Soil quality, Water quality (both groundwater and surface water)**	*Soil, surface water and groundwater pollution due to leaking of fuel and lubricant from vehicles and heavy machinery*	1. Inspection to construction vehicles and heavy machineries should be regularly done 2. All construction vehicles and heavy machineries should be properly maintained to prevent leaks. 3. Any accidental spill or leak of substances (e.g. oil and lubricants) has to be cleaned promptly using proper procedure and equipment and should be disposed of in designated location 4. Provide basic clean up material such sand, wood powder or other basic material 5. Maximum supervision from the project manager on the activities	1. Project manager should be notified when construction vehicles or heavy machineries leak 2. Clean the area contaminated using appropriate cleaning material and Notify environmental authority for any contamination 3. Dispose the waste in the appropriate location 4. Maximum supervision from the project manager on the activities	1. Do proper record and make the record available on site 2. Leaking construction vehicles or heavy machineries should undergo maintenance right away when it is found and should not be used unless it has undergone maintenance 3. Remediation must be undertaken when contamination is detected 4. Ensure that necessary measure has been put in place prior to resume the construction activities 5. Maximum supervision from the project manager on the activities
• Poor management of the construction site		*Soil, surface water and groundwater pollution due construction*	1. Install sediment retention structure around the project site to capture sediments in the raining season 2. Limit vehicles movement during rainy day 3. Avoid working during raining 4. Maximum supervision from the project manager on the activities	1. If the sediment from excavation and land clearing overload to public road, proponent shall immediately do the clean up 2. Maximum supervision from the project manager on the activities	1. Reassess the existing preventative measures and implement the result 2. Ensure that necessary measure has been put in place prior to resume the construction activities 3. Maximum supervision from the project manager on the activities
• Construction activities	**Ecological Impact**	*Impact on Vegetation and animal*	There might be very low or zero negative impact of the construction of project on vegetation and animals		
• Construction	**Economic**	*Impact on*	1. Asking for permission from the landowners before	1. Cease the work temporarily	1. Let the police investigate

activities • Waste production	**and agriculture impact**	*economic and agricultural activities*	dumping soil or rock and other materials on their lands 2. Avoid dumping soil or rocks and other material on community agricultural land 3. Proper sign for waste management must be displayed at project site 4. Wastes should be managed properly and dispose in appropriate location 5. Maximum supervision from the project manager on the activities	when these is complaint 2. Resolve the complaint in a proper manner 3. Call police if there is physical confrontation involved during the complaint 4. Clean the wastes and dispose at the designated location 5. Maximum supervision from the project manager on the activities	people of involve in physical confrontation 2. Compensate if needed 3. Reassess the existing preventative measures and implement the result 4. Ensure that necessary measure has been put in place prior to resume the construction activities 5. Maximum supervision from the project manager on the activities

OPERATION

Activities	Impacts	Parameter/ particular concerns	Preventive action	Control and responding action	Corrective action
• Vehicles movement (costumers and company's) in and out of the facility • Use of backup generator • Wastes production and burning	**Air quality**	*Dust (particulate matter) and Flue gasses/ exhaust gasses impact on air quality*	1. Area dedicated for the access of vehicles shall be made of concrete 2. To plant grass and trees in the area that are not for the access of vehicles 3. Visual inspection should be conducted regularly on the floor for dust and regularly clean the dust by spraying water 4. Reduce vehicles speed in the facility 5. Regularly clean dust of the floor in the facility area 6. All delivery tankers should be adequately maintained to reduce exhaust emissions 7. Discourage idling of vehicles engines in the facility to reduce exhaust emission 8. Wastes should not be burnt onsite, but managed properly and disposed at designated location 9. Proper wastes management sign must be displayed in the facility 10. Regular maintenance of backup generator to reduce emission 11. Maximum supervision from the facility manager on the activities	1. Stop using vehicles deliver fuel and generator that emit flue gasses too much 2. Clean the wastes and disposed at the designated location 3. Maximum supervision from the facility manager on the activities	1. Reassess the existing preventative measures and implement the result 2. Conduct maintenance to vehicles delivering fuel when they emit gasses too much 3. Maximum supervision from the facility manager on the activities
• Storing fuel in underground storage tanks • Refilling/dispensing of fuel to customer vehicle • Loading of fuels to underground		*Volatile Organic compounds (VOCs) impact on air quality*	1. Make sure that underground tank seals are kept in good condition and caps are appropriately sealed 2. Ensure that fuel nozzles cut off automatically when tank is full 3. A competent person must remain near the tanker during unloading 4. Regular monitoring and inspection for leaking from pipework, dispensers and tanks, and implementing repairs within predefined period 5. Pressure vacuum (PV) vent should be used for gasoline tanks	1. Conduct maintenance to leaking pipework, dispenser, tanks and vapour control system if found damaged and corroded 2. Maximum supervision from the facility manager on the activities	1. Reassess the existing preventative measures and implement the result 2. Do proper record and make it available on site 3. Maximum supervision from the facility manager in the activities

storage tank			to avoid continuation of the releasing of gasses from the tanks. 6. All staff should ensure that dispensers hoses are not laid on the filling area and pump island floor at any time 7. Regular check the vapour control systems and make sure that they are in good condition 8. Procedure shall be established for fuel quantity check, refilling to storage tank and dispensing to customer vehicle. The procedure shall be provided to the ANPM for review before operational license is granted 9. The procedure shall be affixed in the visible location in the facility and the workers shall be training to understand and follow the procedure 10. Proponent shall ensure the workers carry out the work based on the established procedure 11. Maximum supervision from the facility manager on the activities		
• Vehicles movement (Costumers and company's) • Use of backup generator • Wastes production and burning	**Workers' Occupational Health and Safety (OHS)**	*Dust (Particulate matter) and Flue gasses/ exhaust gasses impact on workers*	1. Area dedicated for the access of vehicles shall be made of concrete 2. Plant grass and trees in the area that are not for the access of vehicles 3. Visual inspection should be conducted regularly on the floor for dust and regularly clean the dust by spraying water 4. Provided proper PPE to Workers and Workers should wear the PPE when it is dusty in facility area 5. All delivery tankers should be adequately maintained to reduce exhaust emissions 6. Vehicle speeds in the facility should be reduced to minimize vehicle smoke in the area 7. Discourage idling of vehicles' engines to reduce exhaust gasses emission 8. Wastes should not be burnt in the facility, but managed properly and disposed of at the designate location 9. Proper wastes management sign must be displayed inside the facility 10. Regular maintenance of back-up generator and company's vehicles to reduce emission 11. Maximum supervision from the facility manager on the activities	1. Stop using vehicles delivery fuel and generator that emit flue gasses too much 2. Clean the wastes and disposed at the designated location 3. Maximum supervision from the facility manager on the activities	1. Reassess the existing preventative measures and implement the result 2. Conduct maintenance to vehicles delivering fuel when they emit gasses too much 3. Maximum supervision from the facility manager on the activities
• Storing fuel in underground storage tanks • Refilling/dispensing of fuel to customer vehicle • Work at height to open the manhole for		*Volatile organic compounds (VOCs) impact on workers*	1. Underground storage tanks to be fitted with respirators or vent lines and have a minimum height of 4 meter above ground level 2. Pressure vacuum vent should be used to avoid continuation of the releasing of gasses from the tanks. 3. Make sure that underground tank seals are kept in good condition and caps are appropriately sealed 4. Ensure that fuel nozzles cut off automatically when tank is full 5. A competent person must remain near the tanker during	1. Conduct maintenance to leaking pipework, dispensers, tanks and vapour control system if found damaged and corroded 2. Ensure rotating pumps attendants to prevent them from inhaling fuel vapour (gas) for long time	1. Reassess the existing preventative measures and implement the result 2. Do proper record and make it available on site 3. Maximum supervision from the facility manager on the activities

loading of fuel • Loading of fuels to underground storage tank			unloading 6. Regular monitoring and inspect for leaking from pipework, dispensers and tanks, and implementing repairs within predefined period 7. All staff should ensure that dispensers hoses are not laid on the filling area and pump island floor at any time 8. Regularly check the vapour control systems and make sure that they are in good condition 9. Proper PPE should be provided and workers should wear the PPE especially for the activities that generate VOC such as dispensing fuel, loading fuel, etc. 10. Procedure shall be established for fuel quantity check, refilling to storage tank and dispensing to customer vehicle. The procedure shall be provided to the ANPM for review before operational license is granted 11. The procedure shall be affixed in the visible location in the facility and the workers shall be training to understand and follow the procedure 12. Proponent shall ensure the workers carry out the work based on the established procedure 13. Proponent shall assess the risk prior to carry out the activities 14. Maximum supervision from the facility manager on the activities	3. Maximum supervision from the facility manager on the activities	
• Over use of electricity components • Electrical components Inspection		*Workers electrical related work accident or incident*	1. Daily Inspection of electrical system 2. Use safe work practices every time electrical equipment is used. 3. Know the location and how to operate shut-off switches and/or circuit breaker panels 4. Prevent the potential for water or chemical spills on or near electrical equipment 5. Proper PPE should be provided and Workers should wear the PPE before carrying out inspection 6. Proponent shall ensure to hire competent and experienced staff to carry out inspection to the electrical system. 7. First aid kit and fire extinguisher suitable for electrical should be provided at the facility 8. Maximum supervision from the facility manager on the activities	1. Cease the operation temporarily when there is electrical accident or incident 2. Treat unserious injury 3. Evacuate serious injured workers to nearest hospital or clinic or contact emergency number for evacuation assistance 4. Maximum supervision from the facility manager on the activities	1. Let the injured victim recover completely before resume to work 2. Compensate the Workers if necessary 3. Claim for insurance for the staff work in the operation of the facility if they are affected 4. Do proper record on the incident including investigation result and make the record available to the ANPM 5. Reassess the existing preventative measures and implement the result 6. Ensure that necessary measure is put in place prior to resume the activities 7. Maximum supervision from the facility manager on the activities
• Dispensing fuel		*Exposure to*	1. Cease the work temporarily when temperature is extremely	1. Notify supervisor of any	1. Let the workers fully

		extreme heat by workers	hot 2. Worker must adjust exposure time until body is acclimated to the heat 3. Workers should take break according to resting schedule 4. Do not ignore possible symptoms of heat stress 5. Use proper PPE before working during extreme heat 6. Water should be provided in the work site 7. Workers should regularly drink water to stay hydrated 8. Notify supervisor of any personal risk factors 9. Maximum supervision from the facility manager on the activities	personal risk factors 2. Applied first aid to treat Workers that suffer from unserious heat stress or dehydration 3. Evacuate Workers that suffer from serious or severe heat stress or dehydration to nearest hospital or clinic or contact ambulance for evacuation assistance 4. Maximum supervision from the facility manager in the activities	recover before resume to work 2. Compensate the Workers if necessary 3. Do proper record on the incident including investigation result and make the record available to the ANPM 4. Reassess the existing preventative measures and implement the result 5. Maximum supervision from the facility manager on the activities
• Vehicles movement in and out of the facility		*Traffic jam and traffic accident in the facility*	1. Conduct regular briefing before operation 2. Assigned staff to direct the traffic in the facility during peak hours 3. Display Speed limit sign for costumers vehicles, tankers and motorbike enter and leave the facility at the accessible location 4. Marking parking spot properly for general parking in the facility 5. Parking spot for refuelling at the pump islands should be clear 6. Car washing area should not be inclined to avoid involuntary move by cars that can cause accident or incident in the facility 7. Car wash spot should be located far from the exit and entry gates to avoid traffic jam and accident 8. Assigned staff to direct the cars in car washing area so that the activity does not obstruct the entrance or exit of vehicles for refilling fuel purpose. 9. Safety meeting regular basis 10. Provide emergency contact number in the facility and make staffs aware of it 11. Provide first aid kit in an accessible location and make staffs aware of it 12. Maximum supervision from the facility manager on the activities	1. Cease the operation temporarily when there is accident or incident 2. Direct traffic away from the accident spot 3. Apply first aid to treat unserious injured Workers 4. Contact emergency/ evacuate serious injured Workers to nearest hospital or clinic or contact ambulance for evacuation assistance 5. Maximum supervision from the facility manager on the activities	1. Let the Workers recover completely before resume to work 2. Claim for insurance for the staff work in the operation of the facility if they are affected 3. Do proper record on the incident including investigation result and make the record available to the ANPM 4. Reassess the existing preventative measures and implement the result 5. Ensure that necessary measure is put in place prior to resume the activities 6. Maximum supervision from the facility manager on the activities
• Welding facility's components		*Mechanical work related accident or incident, fire and explosion*	1. Welding within the facility is prohibited at anytime 2. If welding is required, the proponent shall cease the operation of the facility and do proper risk assessment and put in place all required mitigation measures based on the risk assessment result. 3. Safety briefing before carry out any tasks 4. Consult and seek consent from the ANPM prior to carry out	1. Cease the welding if there is any accident or if fire exist 2. Direct traffic away from the accident spot 3. Apply first aid to treat unserious injured Workers 4. Contact emergency/ evacuate	1. Let the Workers recover completely before resume to work 2. Claim for insurance for the staff work in the operation of the facility if they are affected

			welding in the facility and the risk assessment shall be provided to the ANPM 5. ensure to hire competent and experience workers to carry out welding 6. provide appropriate PPE 7. Make sure that fire extinguishers are in operating condition 8. Make sure first aid kit is located in the visible and accessible location	serious injured Workers to nearest hospital or clinic or contact ambulance for evacuation assistance 5. Maximum supervision from the facility manager on the activities	3. Do proper record on the incident including investigation result and make the record available to the ANPM 4. Reassess the existing preventative measures and implement the result 5. Ensure that necessary measure is put in place prior to resume the activities 6. Maximum supervision from the facility manager on the activities
• Unloading of fuels from tankers into storage tanks • Dispensing of fuels from underground storage tanks into vehicles' tank • Leak from dispenser, storage tanks and fuel pipes • Smoking and using cell phone • Electrical failure		*Fire and explosion in the facility impact on workers, costumers and facility*	1. Relevant operational staff must receive training on the correct operation of the storage tanks, as well as maintenance and repair procedures when leaks are detected. 2. Establish procedure for unloading fuels from tankers into underground storage tanks and the procedure should be written on a board and display it close to the unloading of fuel into storage tanks location where the unloader can see and follow 3. Establish procedure for dispensing fuels into vehicles' tanks and it should be written on a board and display it close to each pump islands where the pump attendants can see and follow 4. Work shall be carried out in accordance with the procedure and the operator of the facility shall ensure that the staff understand and work based on the established procedure 5. Establish procedure to deal with spillage from dispensing and loading of fuel activity, pipe leaking, dispenser failure, etc. and shall be made known to workers 6. Establish procedure to response to fire in the facility and staff shall be made aware on the procedure 7. Fire and spill drill shall be conducted at least once in every six month to test the procedure and records on drills shall be made available to the ANPM 8. Evacuation rote shall be affixed in the visible location 9. Put sign on prohibition of smoking, using camera, using phone and prohibit to use any of the ignition sources in the fuel dispensing area, underground storage tank area and other area where flammable vapour present. 10. The fuel filling station should be equipped with fire extinguishers should be made available on site and regularly maintained to ensure it is in operating condition. 11. Pump attendants can only begin refilling the vehicle's fuel tank after the engines and ignition sources have been fully cut off and the sign on this shall be posted in the dispensing	1. Cease the operation temporarily when there is fire in the supporting office, dispensers, pump island and storage tanks areas 2. Activate the plan to response to fire and ensure correct PPE are used when fight the fire. 3. Evacuate Workers and costumers to safe place 4. Switch off the emergency valve 5. Contact emergency number for assistance when the fire is out of control 6. Maximum supervision from the facility manager on the activities	1. Investigate the cause of the fire and explosion 2. Compensate costumers if necessary 3. Contact insurance provider to inform the incident and the staff affected 4. Do proper record on the incident including investigation result and make the record available to the ANPM 5. Reassess the existing preventative measures and implement the result 6. Ensure that necessary measure is put in place prior to resume the activities 7. Maximum supervision from the facility manager on the activities

			area. 12. During the bulk fuel delivery, a competent person must be present until the delivery process is completed. Before the delivery process start, buckets of sand and fire extinguishers shall be made easily available and accessible. 13. Before unloading fuel from tanker to the storage tanks, the tanker must parked at the properly marked area and all circulation of people and other vehicles within the area is strictly prohibited and must be prevented. 14. Overfill and spills during tanker refuelling and fuel dispensing should be prevented by the installation of automatic cut off devices. 15. Tanker delivery drivers must be present during delivery of fuel with the emergency cut off switch and a fire extinguisher. 16. A closed coupling must be used when fuel is being transferred from the bulk delivery vehicle to the USTs to prevent fugitive emissions. 17. Staffs should not dispense fuel to costumer's vehicle when they smoke, use cell phone and do not turn off the car's engine 18. All staff should ensure that dispensers' hoses are not laid on the filling area and pump island' floor at any time. 19. Internal visual inspection on pipework, electrical system and dispensers should be regularly conducted for the condition such as leaks, deterioration, and corrosion (for pipework) 20. Inspection shall also be carried out to water treatment system to ensure it is in operating condition 21. Authority should be notifying when there is leak from pipework, dispensers and tanks 22. Operator shall provide proper PPE to the worker 23. Emergency contact No, shall be posted in the facility and All Workers should be made aware of it 24. Proponent shall provide first aid and firefighting training to staff and the copy of the certificate shall be provided to the ANPM 25. Refreshment training shall be provided every two years. 26. Facility electrical system should be equipped and protected with grounding system 27. Provide insurance to staff and ensure insurance is continue valid 28. Maximum supervision from the facility manager on the activities		
• Burning houses • Trash burning • Bush fire		*Impact of Fire or/and explosion from surrounding to facility*	1. Notify surrounding community about the hazard of fire to the facility 2. Make sure that community fire is under control 3. Contact fire department when a community house is on fire or fire set up by community is out of control 4. Ask community not to set up fire near the facility	1. Cease the operation temporarily when fire outside of the facility cannot be contained 2. Evacuate serious Workers or costumer suffer from	1. Contact insurance provider to inform the incident and the staff affected 2. Do proper record on the incident including

			5. Staff should to help the community to fight the fire if required and safe to do so 6. Perform general housekeeping tasks on a regular basis 7. Fire extinguisher should be made available at all the time at the facility, and it shall be in operating condition 8. worker to fight fire be provided with adequate PPE 9. Emergency contact numbers must be made available at facility 10. Ensure all staff are attended refreshment training 11. First aid kits must be made available 12. Ensure all costumers are follow safety procedure 13. Safety sign must be display at facility 14. Practice emergency drill every six months 15. Maximum supervision from the facility manager on the activities	burnt to hospital or clinic 3. Contact emergency number for assistance when the community fire affects the facility 4. Switch off the emergency valve 5. Wear Proper PPE to combat fire 6. Extinguish the fire with proper fire extinguishers right away when there is fire 7. Maximum supervision from the facility manager on the activities	investigation result and make the record available to the ANPM 3. Reassess the existing preventative measures and implement the result 4. Ensure that necessary measure is put in place prior to resume the activities 5. Maximum supervision from the facility manager on the activities
• Vehicles movement (Costumers and company's) in and out of facility • Use of backup generator • Waste production and burning	**Social Impact (community health and safety)**	*Dust (particulate matter) and Flue gasses/ exhaust gasses impact on community*	1. Visual inspection should be conducted regularly on the floor for dust 2. Minimize bare surface in the facility area 3. Regular spray dusty area using water to suppress dust from suspend in the air 4. Regularly clean dust of the floor in the facility area 5. All delivery tankers should be adequately maintained to reduce exhaust emissions 6. Establish speed limits to vehicles operate inside and outside the facility to minimize vehicle smoke and dust and the speed limit sign should be temporarily installed in the facility to remind the drivers. 7. Discourage idling of vehicles' engines to reduce exhaust emission 8. Regular maintenance of back-up generator to reduce emission 9. Wastes should not be burnt on sites, but managed and disposed at designated location 10. Proper wastes management sign should be displayed in the facility 11. Maximum supervision from the facility manager on the activities	1. If there is complaint due to dust/flue gas proponent shall resolve the complaint 2. Call police if complaint involved confrontation 3. Maximum supervision from the facility manager on the activities	1. Reassess the existing preventative measures and implement the result. 2. Conduct maintenance to vehicles delivering fuel when they emit gasses too much 3. Maximum supervision from the facility manager on the activities
• Storing fuel in underground storage tanks • Refilling/dispensing of fuel to customer vehicle • Loading of fuels to underground storage tank		*Volatile Organic compounds (VOCs) impact on community*	1. Underground storage tanks to be fitted with respirators or vent lines and they are to be fitted such that facing away from the neighbouring residential areas and have a minimum height of 4 meter above ground level 2. Pressure vacuum vent should be used to avoid continuation of the releasing of gasses from the tanks. 3. Inspect vent pipe's base for sign of corrosion or damage and conduct maintenance straight away when it is found corroded and damaged 4. Make sure that underground tank seals are kept in good condition and caps are appropriately sealed	1. When there is overfill and vapour starts to spread, immediately cease the operation 2. Activate spill response plan immediately and use proper PPE 3. Operator must Avoid Breathing in low levels of VOCs for long periods and shall use adequate PPE	1. Do proper record on the incident including investigation result and make the record available to the ANPM 2. Reassess the existing preventative measures and implement the result 3. Ensure that necessary measure is put in place

			5. Establish procedure on dispensing to car and loading of fuel to underground tank, etc 6. The procedure for unloading of fuel from tanker into storage tanks and dispensing of fuel into vehicles' tank shall be posted in the facility 7. Staff shall be made aware on the procedure and ensure they follow the procedure when carry out the work 8. Ensure that fuel nozzles cut off automatically when tank is full 9. A competent person must remain near the tanker during unloading 10. Regular monitoring and inspect pipework, dispensers and tanks to detect leaks and implementing repairs within predefined period 11. Conduct maintenance to leaking pipework, dispenser, tanks and vapour control system if found damaged and corroded 12. Ensure rotating pumps attendants to prevent them from inhaling fuel vapour (gas) for long time 13. All staffs should ensure that dispensers hoses are not laid on the filling area and pump island floor at any time 14. Maximum supervision from the facility manager on the activities	4. Maximum supervision from the facility manager on the activities	prior to resume the activities 4. Maximum supervision from the facility manager on the activities
• Vehicles movement (Costumers and company's) in and out of facility • Car washing		*Traffic jam and traffic accident outside the facility (general traffic)*	1. Clear markings to set apart vehicle and pedestrians routes 2. Provide warning signs at all entrances and exits to the site. 3. The entry and exit of vehicles into and from the fuel filling station are made through one-way accesses to avoid traffic jam outside the facility 4. Parking of vehicles in facility's pathway is not permitted 5. Adequate entry of fuel tankers to the area for unloading and allow exit from the fuel filling station into a safe area by moving forward without the need of any manoeuvres to avoid traffic inside and outside the facility 6. Staff should direct the cars not to park in or near the entry and exit gates and should direct car to not obstruct the movement of other vehicle for refuelling fuel 7. Car wash area should not be near the entry and exit access 8. Staffs should direct cars and motorbikes that enter the facility during peak hours 9. Provide designated safe zones for drivers to stand when unloading/loading activity is being undertaken. 10. Dedicated personnel must be presented to manage traffic and pedestrian movements outside facility during peak hour in the facility 11. Manage the work hours and duration for drivers to minimize fatigue. 12. Implement a one-way system to reduce the need for vehicles to reverse on site. 13. Provide sign for safe movement of vehicles and people (pedestrian crossing areas, barriers, safe zones, walkways	1. When there is accident or incident causse by company's vehicles, driver should stop the vehicles and access the accident 2. Apply first aid to treat unserious injured victims 3. Evacuate serious injured people to nearest hospital or clinic or contact emergency number for evacuation assistance 4. Maximum supervision from the facility manager in the activities	1. Provide compensation if necessary 2. Do proper record on the incident including investigation result and make the record available to the ANPM 3. Reassess the existing preventative measures and implement the result 4. Maximum supervision from the facility manager in the activities

			etc.). 14. Make parking spot for costumers should be separated to fuel delivery vehicel's spot 15. Time deliveries for quiet times of the day to reduce the number of people who are likely to be near the vehicle being unloaded. 16. Ensure that the vehicle/driver transporting fuel has emergency contact numbers 17. Operator shall ensure that the driver transporting fuel has the required knowledge on transporting flammable and combustible fuel and ensure that the driver has valid driving license 18. Control company's vehicles driver's attitude about driving 19. Make sure company drivers have first aid certificate 20. Company's driver should obey traffic signs and under no alcohol influence when driving 21. If the company uses is own vehicle to transport fuel, it shall ensure that the facility has the required space for parking the truck. 22. Set speed limit for company's vehicles operate outside the facility 23. Instruct drivers to reduce speed limit when entering and exiting the facility 24. Maximum supervision from the facility manager in the activities		
• Vehicles movement (Costumers and company's) in and out of facility • Unloading of fuel into storage tanks from fuel tankers		*Noise and vibration impact on community*	1. A grievance procedure will be established whereby noise complaints can be received, recorded and responded to appropriately. 2. Noise, especially at night, should be kept to a minimum. 3. Avoid loud background music that are clearly audible away from the forecourt 4. Avoid receiving/unloading fuels to storage tank or other deliveries at night 5. Operation hours should be started in between 7am-9pm to avoid noisy at the facility and surrounding. 6. Display speed limit for vehicles in the facility to reduce noise 7. Conduct monitoring and inspection to company vehicles conditions and maintenance to avoid noise generation 8. Build a wall to insulate the noise from the facility 9. Maximum supervision from the facility manager on the activities	1. Control noise level to not exceed the limit during the day and at night 2. Resolve any complaint from the community 3. Call police if there is confrontation 4. Maximum supervision from the facility manager on the activities	1. Do proper record on the complaint and its resolution, 2. Make sure the record is available to the ANPM 3. Reassess the existing preventative measures and implement the result 4. Maximum supervision from the facility manager on the activities
• Unloading of fuels from tankers into storage tanks • Dispensing of fuels from underground storage tanks		*Impact of fire and explosion in the facility to community and community's*	Use the ***prevention action mitigation measures for impact of fire and explosion in the facility on workers, costumers and facility*** in this section to ***prevent impact of fire and explosion in the facility to community and community' houses***	Use the Control ***action mitigation measures for impact of fire and explosion in the facility on workers, costumers and facility*** in this section to ***prevent impact of fire and explosion in the facility to community and***	Use the Corrective ***action mitigation measures for impact of fire and explosion in the facility on workers, costumers and facility*** in this section to ***prevent impact of fire and explosion in the facility to community***

into vehicles' tank • Welding • Smoking and using cell phone • Electrical failure • Leak for dispenser, tanks and pipes		*houses*		***community' houses***	***and community' houses***
• Spill of fuels during unloading of fuels from tanker into under storage tanks • Spill of fuel during dispensing of fuels from storage tanks into vehicles tanks' • Leaking of fuels from underground storage tanks • Leaking of fuels from pipework • Poor maintenance of wastewater treatment system, oil traps and catchers • Car washing	**Soil Quality and Water Quality (both groundwater and surface water)**	*Soil, Surface water and Groundwater pollution due to fuels spill and leak*	1. Underground storage tanks must be placed in the concrete retention basin 2. USTs must have corrosion protection and the specification detailing corrosion protection shall be provided to the ANPM before the construction begins 3. Notice/warning signs are posted when fuels are being discharged into storage tanks 4. Spills response material shall be checked and readily available on site 5. Overfill and spills during tanker unloading should be prevented 6. The oil/water separator must be inspected regularly to ensure that it is always functioning. 7. An impermeable surface ground (cemented) at the area dedicated to unloading fuel from tankers into the storage tanks and refuelling area, and allow drainage into the water treatment system 8. Overfill and spills during tanker refuelling and fuel dispensing should be prevented by the installation of automatic cut off devices. 9. The accumulated contents in the oil/water separator must be removed and disposed into appropriate treatment system (absorb into sand dedicated for this purpose) 10. Accidental leaks and spills that may occur on the forecourt must be cleaned immediately using dry sand provided in some removable containers for each of fuel dispenser, which then must be properly disposed 11. For the purpose of detecting leak, the quantities of fuel delivered, stored and dispensed stock are monitored and recorded on daily basis, and records are kept on site 12. Tanker delivery drivers must be present during delivery of fuel with the emergency cut off switch. 13. In the event of the pump dispenser or the hoses being knocked over or ripped off, the fuel supply must be cut off by shear-off valves. 14. Emergency response plan must be in place for the site, which clearly describes the procedures and include emergency	1. When there leak is found in the pipework, dispensers and underground storage tanks, the operation should be ceased temporarily, and maintenance should conducted prior to resume the operation 2. Activate the spill response plan 3. Authority should be notified when there is leak from pipework, storage tanks and dispenser. 4. Maximum supervision from the facility manager on the activities	1. Remediation must be undertaken when contamination is detected 2. Compensate the workers surrounding community if oil leak from the facility destroy their properties 3. Do proper record on the complaint and its resolution, 4. Make sure the record is available to the ANPM 5. Reassess the existing preventative measures and implement the result 6. Ensure that necessary measure has been put in place prior to resume the activities 7. Maximum supervision from the facility manager on the activities

			contact numbers 15. All forecourt staff must involve in spill drill so that they aware on the procedure to response to spill during fuel dispensing/overfill in storage tanks and others 16. The USTs, pipelines, dispensers and other associated infrastructure must be inspected regularly for leaks and to ensure structural integrity 17. A closed coupling must be used when fuel is being transferred from the bulk delivery vehicle to the USTs. 18. Use monitoring wells to monitor leak in the underground tanks 19. All staff should ensure that dispensers hoses are not laid on the filling area and pump island floor at any time 20. Water from carwash area must be directed to proper drainage system 21. All the exposed pipework and other fitting (i.e., valves and bolts) should be visually inspected regularly for sign damages, leaks, deterioration or corrosion 22. Pipework should be tested for leakage before using for the operation 23. Underground pipework's connection and joints chamber should be installed for the inspection and maintenance. (Note: this would depend on the types pipe that is going to be used) 24. Make sure pipework joint's chambers have proper fitting lead to prevent ingress of water and other substance (Note: this would depend on the above mitigation measure) 25. Area within the facility should be cemented, unless it is advised otherwise by the authority 26. Provide appropriate drainage system to manage surface runoff 27. Adequate entry of fuel tankers to the area for unloading and allow exit from the fuel filling station into safe area by moving forward without the need of any manoeuvres 28. Procedure for unloading fuels from tankers into underground storage tanks should be written on a board and display close to the unloading of fuel into storage tanks location where the unloader can see and follow 29. Procedure for dispensing fuels into vehicles' tanks should be written on a board and display close to each pump islands where the pump attendants can see and follow 30. A competent person must remain near the tankers during unloading 31. Regularly use monitoring well for the inspection of leak from underground tank, 32. Update fuel stock inventory regularly 33. Provide basic clean up material 34. Maximum supervision from the facility manager on the activities		

• Spill or leak • Fire or/and explosion	**Ecology impact**	*Spill or leak and fired or explosion impact on vegetation and animals*	1. Use Preventive Mitigation Measures Action for soil, surface water and groundwater pollution for this section to prevent spill or leak 2. Use Preventive Mitigation Measures Action re or/and explosion on Workers' Occupational Health and Safety in this section for preventing fire or/and explosion	1. Use Controlling and Responding Mitigation Measures Action for soil, surface water and groundwater pollution for controlling and responding spill or leak in this section 2. Use Controlling and Responding Mitigation Measures Action for fire or/and explosion on Workers' Occupational Health and Safety in this section for controlling fire or/and explosion	1. Use Corrective Mitigation Measures Action for soil, surface water and groundwater pollution for this section to prevent spill or leak as corrective action for this section 2. Use Corrective Mitigation Measures Action for fire or/and explosion on Workers' Occupational Health and Safety, as corrective action for this section
• *Fire and explosion, and Spill or leak during operation* • *Waste production and burning*	**Economic and agricultural impact**	• *Fire and explosion, and Spill or leak impact on economic activities (kiosks, market, shops and agricultur e activities)* • *Wastes*	1. Only allow experience do perform the maintenance 2. Proper procedure and preparation in case any maintenance is required 3. Prepare and provide firefighting equipment and first aid kit 4. Provide training to staff and refreshment training 5. Procedure for fire and spill response and other emergency response 6. Test the procedure by conduction drills once in every six months 7. Work procedure shall be established and make sure staff follow the procedure when working 8. Affix working procedure and fire and spill procedure in the facility 9. Provide firefighting and first aid training to the staff and ensure staff with firefighting and first aid knowledge to present in the facility during working hours 10. Spill or leakage of oil and lubricants should be cleaned promptly and should be disposed of in designated location 11. Waste should be managed properly and disposed of at the designated location 12. Provided emergency contact number in the facility and make worker aware of it 13. Maximum supervision from facility manager on the activities	1. Cease the activities temporarily when there is fire and complaint on wastes 2. If fire/spill occur, activate fire/spill response plan 3. Contact fire departments for assistance when fire is out control and start affecting kiosks or shops or market 4. spill or leakage of oil and lubricants should be cleaned promptly and should be disposed of in designated location 5. Contact fire department when spill or leak affecting agricultural land or other property 6. Clean the wastes and dispose it at designated location 7. Maximum supervision from facility manager on the activities	1. Investigate the cause of fire or/and explosion, spill or leaks 2. Compensate the affected people if necessary 3. Contact insurance provider to inform the incident and the staff affected 4. Do proper record on the incident including investigation result and make the record available to the ANPM 5. Reassess the existing preventative measures and implement the result 6. Ensure that necessary measure is put in place prior to resume the activities 7. Maximum supervision from facility manager on the activities

MAINTENANCE

Activities	Impacts	Parameter / particular concerns	Preventive action	Control and responding action	Corrective action
• Vehicles movements (in and out of the facility) • Concrete mixture for floor, wall and other infrastructures in the facility maintenances • Use of machineries for maintenance • Use of backup generator to support maintenance • Waster production and burning	**Air quality**	*Dust (particulate matter) impact and Flue gasses/ exhaust gasses impact on air quality*	1. Clean the floor area from dust 2. Regular spray dusty area using water to suppress dust from suspend in the air 3. Regular maintenance for vehicles, equipment and back-up generator to avoid emission into air 4. Turn off unnecessary idling engines of vehicles and equipment 5. Turn off unneeded back-up generator 6. Establish speed limits to vehicles operate inside and outside the project area and the speed limit sign should be temporarily installed in the project to remind the drivers. 7. Reduce vehicles speed in the facility to minimize flue gasses emission and dust suspension 8. Wastes should not be burnt onsite, but managed properly and disposed of at the designated location 9. Proper wastes management sign should be displayed in the facility 10. Maximum supervision from the project or facility manager on the activities	1. Stop using generator, vehicles and equipment that emit flue gasses too much 2. Clean the wastes and dispose at the designated location 3. Maximum supervision from the project or facility manager on the activities	1. Conduct maintenance to equipment, vehicle and generator that emits flue gasses 2. Remind the drivers to drive according to the established speed limit 3. Remind workers to manage and dispose the wastes of at the designate location 4. Reassess the existing preventative measures and implement the result 5. Maximum supervision from the project or facility manager on the activities
• Dispenser, pipework and underground storage tanks maintenance		*Volatile Organic compounds impact on air quality*	1. The release of the volatile organic carbon cannot be prevented during maintenance 2. Company shall cease the operation of the facility before carry out maintenance of Underground storage tank, fuel pipes and dispensers	1. The release of the volatile organic carbon cannot be prevented during maintenance	1. The release of the volatile organic carbon cannot be prevented during maintenance
• Vehicles movements (in and out of the facility) • Concrete mixture floor, wall, pump island maintenances • Waste production and burning	**Workers' Occupational health and Safety (OHS)**	*Dust and flue gasses (particulate matter) and flue gasses impact on Workers*	1. Clean the floor area from dust 2. Regular spray dusty area using water to suppress dust from suspend in the air 3. Limit vehicle speeds onsite to minimize dust and flue gasses generation and safety briefing to continue remind driver to limit vehicle speed 4. Establish speed limits to vehicles operate inside and outside the project area and the speed limit sign should be temporarily installed in the project to remind the drivers. 5. Prepare and provide proper PPE to Workers 6. If possible install fence to contain dust in the work area 7. Stop using too much flue gasses emitter vehicles and machineries 8. Conduct regular maintenance to flue gasses emitter vehicles and machineries 9. Wastes should not be burnt in the facility but should managed and disposed at the designated location 10. Remind workers to manage and dispose the wastes of at the designated location 11. Proper wastes management sign should be displayed in	1. Stop using too much flue gasses emitter vehicles and machineries 2. Clean the wastes and dispose at the designated location 3. Maximum supervision from the project or facility manager on the activities	1. Conduct regular maintenance to flue gasses emitter vehicles and machineries 2. Reassess the existing preventative measures and implement the result 3. Maximum supervision from the project or facility manager on the activities

			the facility 12. Maximum supervision from the project or facility manager on the activities		
		Noise and vibration impacts to community	1. Work should occur during day hours only between 08:00Am-5:00Pm, on week days only. 2. Worker should wear the appropriate PPE, if and when required. 3. Take turn when operating noise machineries and rest accordingly 4. Mechanical equipment with lower sound power levels will be selected to ensure that the permissible occupation noise-rating limit of 85 dBA is not exceeded. 5. Control noise level should not exceed maximum permissible limit 6. All equipment to be adequately maintained and kept in good working order to reduce noise. 7. All noise generating equipment should be insulated and well maintained to ensure that they operate within the noise limits they were designed to operate 8. Make sure only maintenance workers are at the noisy area 9. Maximum supervision from the project or facility manager on the activities	1. Stop the maintenance if the activities cause too much noise beyond maximum limit. 2. Maximum supervision from the project or facility manager on the activities	1. Check the equipment/vehicle/ generator that cause too much noise 2. Resume the activities if the issue has been solved. 3. Reassess the existing preventative measures and implement the result 4. Maximum supervision from the project or facility manager on the activities
		Traffic jam and accident or incident inside the facility	1. Display speed limit sign in the facility 2. Staff should direct vehicles enter the facility properly 3. Staff should instruct drivers not to park vehicles in the entry and exit gates 4. Clearly marking the maintenance sites 5. Barricade the maintenance sites 6. Provide PPE in the facility 7. Provide first aid kits in the facility 8. Operator shall ensure that staff with first aid knowledge shall be present in the facility 9. Provide emergency contact number in the facility and make workers aware of it 10. Maximum supervision from the project or facility manager on the activities	1. Assign staff to smoothen the traffic in out of the facility 2. Cease the work temporary if there is accident or incident 3. Apply first aid to treat unserious injured workers 4. Evacuate serious injured workers to nearest hospital or clinic or contact emergency number for evacuation assistance 5. Maximum supervision from project or facility manager on the activities	1. Investigate cause of the accident or incident 2. Let the workers recover properly before resume to work 3. Compensate the worker if necessary 4. Reassess the existing preventative measures and implement the result 5. Maximum supervision from the project or facility manager on the activities
• Underground storage tanks maintenance • Fuel pipes Maintenance • Dispensers maintenance		*Workers Accident or incident(injuries)*	1. Barricade the maintenance site 2. Company shall cease the operation of the facility when carry out maintenance on the Underground storage tank, fuel pipes and dispensers 3. Company should only allow experienced and competent staffs or consultants to do the maintenance on underground tanks, dispensers and pipes 4. The operator shall notify the ANPM prior to carry out maintenance to underground tanks, pipes and dispenser including information on the consultant's experience/competence and maintenance procedures 5. Proper PPE should be worn before carrying out activities	1. Cease the work temporarily when there is accident or incident 2. Evacuate injured to safe place 3. Apply first aid to treat unserious injured workers 4. Evacuate serious injured workers to nearest hospital or clinic or contact emergency number for evacuation assistance 5. Notify the ANPM on the	1. Investigate the cause of the accident or incident 2. Let the Workers or consultant recover properly before resume to work 3. Compensate the Workers if necessary 4. Do proper record on the incident including investigation result and make the record available

			including cleaning the underground storage tanks 6. Maintenance workers should be in good condition and under no alcohol influence when carry out maintenance 7. Only allow trained and experienced workers to access into underground storage tanks for inspection and maintenance 8. Carry out maintenance according to the specification recommendation and procedure 9. Emergency contact numbers should be provided in the facility and make the Workers aware of it 10. Provide first aid kit in an accessible location in the facility 11. Inspections on the underground tanks fuel pipes and dispensers' condition should be recorded and made available to relevant authority up on request 12. All the record of maintenance and repair of underground storage tanks should be made available on site for external audit purpose if requested by the authority. 13. Make sure to work in a team of two or more 14. Operator shall ensure that staff with first aid and firefighting knowledge and skill shall be presented in the facility during maintenance of these equipment 15. Maximum supervision from the project or facility manager on the activities	incident 6. Maximum supervision from the project or facility manager on the activities and injured Workers	to the ANPM 5. Reassess the existing preventative measures and implement the result 6. Ensure that necessary measure is put in place prior to resume the activities 7. Maximum supervision from the project or facility manager on the activities and injured Workers
		Exposure to extreme heat during maintenance of the underground storage tanks, fuel pipe and dispensers	1. Proper PPE should be provided the company 2. Proper PPE should be worn before carrying out maintenance 3. Cease the work when temperature is extremely hot 4. Water or other alterative drink for hydration should prepared 5. Worker should drink water or other alternative drink regular to stay hydrated 6. First aid kit should be prepare and located in accessible place 7. Operator shall ensure that one staff with first aid knowledge and skill to present in the site during maintenance activities 8. Operator shall ensure that to hire competent and knowledge consultant to carry out maintenance and ensure the maintenance is carried out based on procedure 9. Emergency contact number should be provided and Workers should be made aware of it 10. Make sure to work in a team of two or more 11. Maximum supervision from the project or facility manager on the activities	1. Cease the work temporarily when there is accident or incident 2. Evacuate injured worker to safe place 3. Apply first aid to treat unserious dehydrated and heat stress Workers 4. Apply first aid and Evacuate serious dehydrated or/and heat stress workers to nearest hospital or clinic or contact emergency number for evacuation assistance 5. Maximum supervision from the project or facility manager on the activities and injured workers	1. Investigate the cause of the accident or incident 2. Let the workers or consultant recover properly before resume to work 3. Compensate the workers if necessary 4. Do proper record on the incident including investigation result and make the record available to the ANPM 5. Reassess the existing preventative measures and implement the result 6. Ensure that necessary measure is put in place prior to resume the maintenance activities 7. Maximum supervision from the project or facility manager on the activities and injured workers

		Volatile Organic compounds underground storage tanks, fuel pipe and dispenser	1. Make sure underground storage tanks, pipe and dispenser are empty before carrying out maintenance 2. Make sure that underground storage tanks, pipe and dispenser are free of VOCs before carrying out maintenance 3. VOC cleaning shall follow procedure and it shall be performed by competent and experienced worker 4. Check with VOC detection equipment to ensure VOC has been fully cleaned prior to carry out maintenance 5. Only allow trained or/and experienced workers to carry out maintenance 6. Company should provide proper PPE 7. Make sure proper PPE is worn before access into underground storage tanks 8. Make sure to work in a team of two or more when cleaning underground storage tanks 9. First aid kit should be provided by the company in an accessible location 10. Operator shall ensure that one staff with first aid knowledge to present in the site during maintenance activities 11. Maximum supervision from the project or facility manager on the activities	1. Cease the activities right away temporarily when Volatile Organic carbon is still present in the underground storage tanks, fuel pipe and dispensers 2. Apply first aid to workers who suffer from VOCs or/and contact emergency number for evacuation 3. Maximum supervision from the project or facility manager on the activities	1. Let the workers recover properly before resume to work 2. Compensate the workers if necessary 3. Do proper record on the incident including investigation result and make the record available to the ANPM 4. Reassess the existing preventative measures and implement the result 5. Ensure that necessary measure is put in place prior to resume the maintenance activities 6. Maximum supervision from the project or facility manager on the activities
		Fire and explosion during underground storage tanks, fuel pipe and dispensers maintenances	1. Company shall cease the operation of the facility when carry out maintenance of Underground storage tank, fuel pipes and dispensers 2. The operator shall notify the ANPM prior to carry out maintenance to underground tanks, pipes and dispenser including information on the consultant's experience/competence and maintenance procedures 3. Make sure that underground storage tanks, fuel pipes and dispensers are safe before carrying out maintenance 4. Maintenance, modifications and repairs to storage tanks, dispensers and fuel pipes should be carried out only by experienced workers 5. Operator shall ensure that the maintenance is carried out based on procedure 6. Ensure first aid kit and fire extinguishers are in accessible location 7. Operator shall ensure that staff with first aid and firefighting knowledge shall be present in the facility during maintenance of these equipment 8. Make sure that there is no accumulated gas in the tanks or fuel pipes or outside of the tank and fuel pipes before carrying out maintenance 9. Avoid smoking while carrying out maintenance 10. Disconnect electrical system connect to storage tanks and dispenser before carrying out maintenance 11. Maintenance signage should be displayed before carrying	1. Cease the activities temporarily when there is accumulated gasses in or/and outside the tanks and in fuel pipes 2. Cease the activities temporarily when there is fire 3. Activate fire response plan 4. Call for assistance if fire is out of controlled 5. Evacuate injured workers to safe area 6. Apply first aid to unserious injured workers 7. Evacuate serious injured workers to nearest hospital or clinic or contact emergency number for evacuation assistance 8. Notify the ANPM 9. Maximum supervision from project or facility manager on the activities	1. Investigate source of the fire 2. Let the workers or consultant fully recover before resume the work 3. Compensate the workers if necessary 4. Do proper record on the incident including investigation result and make the record available to the ANPM 5. Reassess the existing preventative measures and implement the result 6. Ensure that necessary measure is put in place prior to resume the maintenance activities 7. Maximum supervision from the project or facility manager on the activities

			out the activities 12. Restrict vehicles from entering the facility during maintenance 13. Barricade the maintenance site 14. PPE should be worn when carry out maintenances 15. Do risk assessment prior to carry out any welding in the facility and the operator shall notify the ANPM prior to carry out welding activity 16. Provide emergency contact numbers and make workers aware of it 17. The record for any work carried out on pipework should include the inspection on the pipework as well 18. Do not allow damaged dispensers to be used/activated 19. Control ignition sources in hazardous area. 20. Staffs should not activate dispensers when potential ignition sources are present. 21. After maintenance, dispensers should be tested before use for operation and operator shall notify the ANPM for verification and calibration 22. Dispenser should be calibrated according to specification recommendation and only by authorised authority 23. Inspection to pipes and dispensers should be conducted regularly for leaks and deterioration 24. Keep a record of any work carried out on fuel pipe, storage tanks and dispensers 25. Make sure to work in a team of two or more 26. Maximum supervision from the project or facility manager on the activities		
• Canopy, fence, floor and/or, supporting office • Work at height		*Accident or incident related to maintenance*	1. Maintenance should be carried out by trained and experienced workers or contractor 2. If the maintenance involved welding, the operator shall cease the operation of the facility 3. Do risk assessment and put in place the measures prior to carry out welding in the facility. 4. Proper and adequate PPE should be used before maintenance activities 5. Develop and implement plans for maintenance of the facility 6. Barriers and guards as necessary to protect employees, and visitors from physical hazards. 7. Safety Signs are required to be in place during maintenance activities. 8. Establish an environmental record keeping system. 9. Ensure that activities should be stopped when canopy is under maintenance 10. Ensure that barricade is used to prevent people entering the pump islands when canopy is under maintenance 11. Barricade should be used around floor maintenance site's; the same to walls and fences	1. Cease the work temporary if there is accident or incident 2. Apply first aid to treat unserious injured workers 3. Evacuate serious injured workers to nearest hospital or clinic or contact emergency number for evacuation assistance 4. Notify the ANPM 5. Maximum supervision from project or facility manager on the activities	1. Investigate cause of the accident or incident 2. Let the workers recover properly before resume to work 3. Compensate the work if necessary 4. Do proper record on the incident including investigation result and make the record available to the ANPM 5. Reassess the existing preventative measures and implement the result 6. Ensure that necessary measure is put in place prior to resume the maintenance activities 7. Maximum supervision from the project or facility

			12. Signage should display when carry out any maintenances in the facility 13. Working at height should in a team of two or more 14. Make sure working at height apparatus are worn before start working, 15. Ensure structure for working at height are installed before start working 16. Maximum supervision from project or facility manager on the activities		manager on the activities
		Exposure to extreme heat	1. Cease the work temporarily when temperature is extremely hot 2. Workers must adjust exposure until body is acclimated to the heat 3. Workers should take break according to working schedule 4. Do not ignore possible symptoms of heat stress 5. Use proper and adequate PPE 6. Water should be provided in the work site 7. Workers should regularly drink water to stay hydrated 8. Make sure to work in a team of two or more 9. Provide first aid kit in accessible location 10. Operator shall ensure that staff with first aid knowledge shall be present in the facility during maintenance of these equipment 11. Maximum supervision from the project or facility manager on the activities	1. Notify supervisor of any personal risk factors 2. Applied first aid to treat workers that suffer from unserious heat stress or dehydration 3. Evacuate workers that suffer from serious heat stress or dehydration to nearest hospital or clinic or contact emergency number for evacuation assistance 4. Maximum supervision from the project or facility manager on the activities	1. Let the worked fully recover before resume to work 2. Compensate the workers if necessary 3. Do proper record on the incident including investigation result and make the record available to the ANPM 4. Reassess the existing preventative measures and implement the result 5. Ensure that necessary measure is put in place prior to resume the maintenance activities 6. Maximum supervision from the project or facility manager on the activities
• Electrical system maintenance		*Electrical related work accident or incident injuries*	1. Company should only allow competent and experienced Workers or contractor to do the maintenance to electrical system 2. The operator shall cease the operation of the facility prior to carry out maintenance of electrical system 3. Disconnect part of the electrical system that need to undergo maintenance from the main circuit before carrying out the activities 4. Make sure to reuse electricity only after the maintenance is done 5. Make plan not to use of electricity when electrical components are under maintenance 6. Proper PPE should be worn before carrying out maintenance activities 7. Maintenance activities should done in a team 8. Emergency contact number should be provided and make workers aware of it 9. Provide first aid kit and fire extinguishers in accessible location 10. Operator shall ensure that staff with first aid and	1. Cease the activities temporarily when there is accident or incident related to electricity 2. Evacuate workers or contactor to safe place 3. Apply first aid to treat unserious incurred workers or contractor 4. Evacuate serious injured workers or contractor to nearest hospital or clinic or contact emergency number for evacuate assistance 5. Maximum supervision from project or facility manager on the activities	1. Investigate the cause of the accident or incident 2. Let the worked fully recover before resume to work 3. Compensate the workers if necessary 4. Do proper record on the incident including investigation result and make the record available to the ANPM 5. Reassess the existing preventative measures and implement the result 6. Ensure that necessary measure is put in place prior to resume the maintenance activities 7. Maximum supervision

			firefighting knowledge shall be present in the facility during maintenance of these equipment 11. Make sure to work in a team or two or more 12. Maximum supervision from project or facility manager on the activities		from the project or facility manager on the activities
		Electrical related Fire risk and explosion accident or incident	1. Company should only allow experienced Workers or contractor to do the maintenance to electricity 2. The operator shall cease the operation of the facility prior to carry out maintenance of electrical system 3. Disconnect part of the electrical system that need to undergo maintenance from the main circuit before carrying out the activities 4. Make plan to minimise the use of electricity when electrical components are under maintenance 5. Proper PPE should be worn before carrying out maintenance activities 6. Ensure the worker know the location and how to operate shut-off switches and/or circuit breaker panels 7. Minimize the potential for water or chemical spills on or near electrical equipment. 8. Test the electrical system before using it 9. Make sure to use electricity only after the maintenance is done 10. Provide first aid kit and fire extinguishers in accessible location 11. Operator shall ensure that staff with first aid and firefighting knowledge shall be present in the facility during maintenance of these equipment 12. Make sure to work in a team of two or more 13. Maximum supervision from project or facility manager on the activities	1. Cease the activities temporarily when there is fire 2. Activate fire response plan 3. Call for assistance if fire is out of controlled 4. Evacuate workers or contractor to safe place 5. Apply first aid to unserious injured workers or contractor 6. Evacuate serious injured workers contractor to nearest hospital or clinic 7. Notify the ANPM 8. Maximum supervision from project or facility manager on the activities	1. Investigate the cause of the fire 2. Let the workers recover completely before resume to work 3. Compensate the workers if necessary 4. Do proper record on the incident including investigation result and make the record available to the ANPM 5. Reassess the existing preventative measures and implement the result 6. Ensure that necessary measure is put in place prior to resume the maintenance activities 7. Maximum supervision from project or facility manager on the activities
• Vehicles movements (in and out of the facility) • Concrete mixture for floor, wall and other infrastructure maintenances • Vehicles movements (in and out of the facility) • Use of machineries • Use of backup generator • Wastes production and burning	**Social Impact (community health and safety impact)**	*Dust (particulate matter) impact on surrounding community* *Flue gasses/ exhaust gasses impact on community*	1. Regular spray dusty area using water to suppress dust from suspend in the air 2. Establish speed limits to vehicles operate inside and outside the project area and the speed limit sign should be temporarily installed in the project to remind the drivers. 3. Make sure that dusty floor in the facility is regularly cleaned to avoid accumulation of dust 4. Concrete mixture should be properly done to avoid cement powder from carrying by the wind, particularly during windy day 5. Stop using out of control flue gasses emitters such as vehicles, machineries and generator 6. Regular maintenance for vehicles and equipment to avoid gasses emission 7. Turn off unnecessary idling of vehicles engines and machineries 8. Regular maintenance for back-up generator 9. Wastes should not be burnt in the facility, but managed	1. When there is complaint from the surrounding community cease the work temporarily 2. Resolve to complaint before resume the activities 3. Contact emergency number if there is physical confrontation involved during complaint 4. Clean the wastes and dispose of the at the designated location 5. Maximum supervision from the project or facility manager on the activities	1. Let the police investigate people who involve in physical confrontation 2. Do proper record on the incident including investigation result and make the record available to the ANPM 3. Reassess the existing preventative measures and implement the result 4. Ensure that necessary measure is put in place prior to resume the maintenance activities 5. Maximum supervision from the project or facility manager on the activities

			properly and disposed of at designated location 10. Soil from underground tank excavation should be properly manage and dispose in the designated location 11. Proper wastes management sign should be displayed in the facility 12. Suspend the work when during windy day 13. Remind the drivers to drive not over the established speed limit 14. Remind the workers to managed and dispose wastes of at the designated location 15. Maximum supervision from the project or facility manager on the activities		
• Vehicles movements (in and out of the facility) • Movement of people outside the facility		*Traffic jam and accident outside of the facility (general traffic)*	1. Clear markings to set apart vehicle and pedestrians routes; 2. Dedicated personnel must be presented to manage traffic and pedestrian movements outside the facility. 3. Ensure that company's drivers are competent to operate the vehicles safely outside the facility. 4. Operator shall ensure the driver have valid driving license to drive fuel tank truck. 5. Provide warning signs at all entrances and exits when carry out maintenance activities. 6. Provide sign for safe movement of vehicles and people (pedestrian crossing areas, barriers, safe zones, walkways etc.). 7. Introduce a speed limit to companies driver operate outside the facility. 8. Company's driver should follow all the traffic signs on the road 9. Driver operate companies vehicles outside the facility in any circumstances should under no alcohol influence 10. Provide emergency contact numbers in the vehicles and drivers should be made to aware of emergency contact number 11. First aid kit should be made available in the vehicles operating outside the facility 12. Driver should be trained to use first aid kit and have training certificate 13. Maximum supervision from facility manager on the activities	1. Driver should follow traffic signs or/and police instruction to avoid causing traffic jam 2. After traffic accident or incident, driver should stop the vehicle to assess the accident or incident 3. Apply first aid to unserious injured victim 4. Evacuate the serious injured victim to nearest hospital or clinic or call emergency number for evacuation assistance 5. Maximum supervision from project or facility manager on the activities	1. Let the police investigate the accident on incident 2. Compensate the victim if necessary 3. Do proper record on the incident including investigation result and make the record available to the ANPM 4. Reassess the existing preventative measures and implement the result 5. Maximum supervision from the project or facility manager on the activities
• Vehicles movement (in and out of the facility) • Conduct Maintenance to underground		*Noise and vibration impact on the community*	1. Notify the surrounding community on the maintenance plan and noise impact of the maintenance activities 2. Carry out the maintenance activities during working hours only 3. Make sure that noise produce during the maintenance does not exceed the maximum standard 4. Recommend to use low noise and vibration equipment	1. Cease the activities temporarily when there is complaint from the surrounding community 2. Resolve the complaint before resume the work 3. Contact the police if there is physical confrontation involved	1. Let police investigate people who involve in confrontation 2. Investigate if there is damage to community property cause by the vibration during maintenance activities 3. Compensate if vibration

storage tanks, fuel pipes, canopy, fences, wall, floor and supporting office			during maintenance activities 5. Maximum supervision from the project or facility manager on the activities	during the complaint 4. Maximum supervision from the project or facility manager on the activities	produce during the activities destroy community's property 4. Do proper record on the complaint including its resolution and make the record available to the ANPM 5. Reassess the existing preventative measures and implement the result 6. Ensure that necessary measure is put in place prior to resume the maintenance activities 7. Maximum supervision from the project or facility manager on the activities
• Conduct Maintenance to underground storage tanks, dispensers, fuel pipes, canopy, floor and supporting office • Conduct maintenance to electrical system		*Risk of fire and/or explosion impact to community*	1. Apply prevention action mitigation measures from conduct maintenance to underground storage tanks, fuel pipes, dispensers and electrical system maintenance to prevent fire and/or explosion that have potential impact on community surrounding facility	1. Apply control and respond action mitigation measures from conduct maintenance to underground storage tanks, fuel pipes, dispensers and electrical system maintenance to prevent fire and/or explosion that have potential impact on community surrounding the facility	1. Apply corrective action mitigation measures from conduct maintenance to underground storage tanks, fuel pipes, dispensers and electrical system maintenance to prevent fire and/or explosion that have potential impact on community surrounding facility
• Maintenance activity to underground storage tanks • Maintenance activity to pipework • Maintenance activity to dispenser • Maintenance activity to wastewater treatment system	**Soil quality, Water quality (both groundwater and surface water)**	*Soil, surface water and groundwater pollution due to fuels spill and leak*	1. Only allow competent Workers or contractor to clean petroleum sludge at the bottom of the storage tanks 2. Procedure on tank, pipework and dispensers maintenance shall be established and submit to the ANPM 3. Operator shall ensure that the work is carried out based on procedure 4. Make sure that tanks are empty, fuel pipe are free of fuels, and dispensers are empty of fuels before carrying out maintenance 5. Any accidental spill or leakage of substances (e.g. oil and lubricants) has to be cleaned promptly using proper procedure and equipment and should be disposed of at the designated location 6. Operator shall ensure that spill response equipment is make available on site during maintenance activities 7. Relevant authority should be notified before carrying out tanks cleaning activities 8. Maximum supervision from project or facility manager on the activities	1. Stop the maintenance activities if leak is detected 2. Promptly clean the accidental spill or leak from underground storage tanks, fuel pipes and dispenser based on the established procedure 3. Dispose the waste in designate location 4. Maximum supervision from project or facility manager on the activities and pollution	1. Notify environmental authority for any contamination 2. Remediation must be undertaken when contamination is detected 3. Do proper record and make the record available to the ANPM 4. Reassess the existing preventative measures and implement the result 5. Ensure that necessary measure is put in place prior to resume the maintenance activities 6. Maximum supervision from the project or facility manager on the activities
		Petroleum slugged	1. Only allow competent Workers or contractor to clean petroleum sludge at the bottom of the storage tanks	1. Stop the activity and promptly cleaning the petroleum sludge	1. Notify environmental authority for any

		from the underground storage tanks	2. Petroleum sludge at the bottom of the storage tanks should be collected carefully and dispose at the proper or/and designated location 3. Oil in the water treatment system should be removed and water should be drained before carrying out maintenance to water treatment system 4. Oil from water treatment should be disposed of at the proper or/and designated location 5. Spill response equipment shall be made available on site 6. Maximum supervision from project or facility manager on the activities	using proper cleaning method when it spills or leak 2. Maximum supervision from project or facility manager on the activities	contamination 2. Remediation must be undertaken when contamination is detected 3. Do proper record and make the record available to the ANPM 4. Reassess the existing preventative measures and implement the result 5. Ensure that necessary measure is put in place prior to resume the maintenance activities 6. Maximum supervision from the project or facility manager on the activities
• Spill or leak during maintenance • Fire or explosion during maintenance	**Ecology impact**	*Impact of leak (or spill) and fire (or/and explosion on Vegetation and animals*	1. Only allow competent Workers or contractor to clean petroleum sludge at the bottom of the storage tanks 2. Operator shall ensure that maintenance is carried out based on the established procedure 3. Petroleum sludge at the bottom of the storage tanks should be collected carefully and dispose at the proper or/and designated location 4. Make sure that tanks are empty, fuel pipe are free of fuels, and dispensers are empty of fuels before carrying out maintenance 5. Oils in the water treatment system should be removed and water should be drained before carrying out maintenance to water treatment system 6. Prepare and provide fire fighting equipment during maintenance 7. Spill response equipment shall be made available on site 8. Maximum supervision from project or facility manager on the activities	1. Stop the activity and promptly clean the accidental spill or leak from underground storage tanks, fuel pipes and dispenser based on the established procedure 2. Dispose the wastes in designate location 3. If fire is detected, control fire based on fire response plan. 4. Contact fire department for assistance when fire is out of control 5. Maximum supervision from project or facility manager on the activities and pollution	1. Investigate the cause of leak (or spill) and fire (or/and explosion) 2. Notify environmental authority for any contamination 3. Remediation must be undertaken when contamination is detected 4. Do proper record and make the record available to the ANPM 5. Reassess the existing preventative measures and implement the result 6. Ensure that necessary measure is put in place prior to resume the maintenance activities 7. Maximum supervision from the project or facility manager on the activities
• Fire and explosion, and Spill or leak during maintenance • Waste production and burning	**Economic and agricultural impact**	• *Fire and explosion, and Spill or leak impact on economic activities (kiosks, market, shops and*	1. Operator shall notify the ANPM and Maintenance procedure shall be established and made available to the ANPM 2. Only allow experience do perform the maintenance 3. Make sure storage tanks, fuel pipes and dispenser are free of fuel prior to perform maintenance 4. Procedure for fire and spill response shall be established 5. Prepare and provide firefighting and spill response equipment based on the established procedure 6. Fire and spill drills shall be conducted to test the	1. Cease the activities temporarily if spill/fire is detected 2. Immediately clean the accidental spill or leak from underground storage tanks, fuel pipes and dispenser based on the established procedure 3. Combat the fire based on the established fire response plan 4. Contact fire departments for	1. Investigate the cause of fire or/and explosion, spill or leaks 2. Compensate the affected people if necessary 3. Do proper record and make the record available to the ANPM 4. Reassess the existing preventative measures and

		agricultur e activities) • *Wastes on agricultur al land*	procedure and ensure prompt response 7. Wastes should not be burnt onsite 8. Wastes should be managed properly and disposed of at the designated location 9. Provided emergency contact number in the facility and make worker aware of it 10. Maximum supervision from project or facility manager on the activities	assistance when fire is out control and start affecting kiosks or shops or market 5. Spillage or leakage of oil and lubricants should be cleaned and disposed of at designated location 6. Contact fire department when spill or leak affect agricultural land or other property 7. Maximum supervision from project or facility manager on the activities	implement the result 5. Ensure that necessary measure is put in place prior to resume the maintenance activities 6. Maximum supervision from project or facility manager on the activities

DECOMMISIONING

Activities	Impacts	Parameter/ particular concerns	Preventive action	Control and responding action	Corrective action
• Vehicles movements (in and out of the project area or facility) • Demolition of the facility • Use of heavy machinery • Wastes production and burning	Air quality	*Dust (particulate matter) and Flue gasses/ exhaust gasses impact on air quality*	1. Regular spray dusty area using water to suppress dust from suspend in the air 2. Build fence around the decommissioning site to contain dust if necessary 3. Reduce vehicles speed and movement in the demolition area 4. Regular maintenance for construction vehicles and equipment to avoid emission to the air 5. Turn off idling of vehicles and machineries' engines 6. Stop using out of control flue gasses emitter vehicles and heavy machineries 7. Stop the work if it is windy 8. Establish speed limits to vehicles operate inside and outside the project area and the speed limit sign should be temporarily installed in the project area to remind the drivers 9. Turn off the unnecessary idling engines of vehicles and machineries 10. Remind the drivers to not drive over the established speed limit 11. Remind the workers to managed and dispose wastes at the designated location 12. Wastes should not be burnt in the project area or facility, but managed properly and disposed of at designated location 13. Proper wastes management sign should be displayed in the project area or facility 14. Maximum supervision from the project or facility manager on the activities	1. Cease the work temporarily if it generates a lot of dust 2. Stop using vehicles and machineries that emit flue gasses too much 3. Any complaints received from neighbours must be reported to proponent and measures must be taken to limit dust 4. Maximum supervision from the project or facility manager on the activities	1. Re planting trees or/and grasses after the decommissioning activities 2. Reassess the existing preventative measures and implement the result 3. Conduct maintenance to construction's equipment and vehicles when they emit gasses too much 4. Ensure that necessary measure has been put in place prior to resume the activities 5. Maximum supervision from the project or facility manager on the activities

• Vehicles movements (in and out of the project or facility) • Use of heavy machinery • Demolition of the facility • Wastes production and burning	Occupational health and Safety (OHS)	*Dust (particulate matter) and Flue gasses/ exhaust gasses impact on workers*	1. Regularly wetting the dusty are to suppress durst from suspended in the air 2. Introduce speed limit to vehicles entering and exiting the site 3. Regular maintenance for decommissioning vehicles and equipment to avoid emission to the air 4. Establish speed limits to vehicles operate inside and outside the project area and the speed limit sign should be temporarily installed in the project to remind the drivers 5. Turn of the unnecessary idling engines of vehicles and machineries 6. Prepared and provide PPE to all Workers involve in decommissioning activities 7. Remind the drivers to not drive over the established speed limit 8. Remind the workers to managed and dispose wastes at the designated location 9. Notify drivers to reduce speed when entering and exiting the site 10. Wastes should not be burnt onsite, but managed and disposed of at the designated location 11. Proper wastes management sign should be displayed in the project area or facility 12. Maximum supervision from project or facility manager in the activities	1. Cease the work temporarily if it generates a lot of dust 2. Stop using vehicles and machineries that emit flue gasses too much 3. Maximum supervision from the project manager on the activities	1. Proper maintenance of the heavy machinery engine and vehicles 2. Reassess the existing preventative measures and implement the result 3. Ensure that necessary measure has been put in place prior to resume the activities 4. Maximum supervision from the project manager on the activities
• Pipe and underground Storage Cleaning		*Volatile organic compounds (VOCs) impact on workers*	1. Make sure that storage tanks are completely empty and free of VOCs before lifting it out from the retention basin 2. Make sure that fuel pipes are drained properly and free of VOCs before disconnecting it from underground tanks and dispensers and taking it out from its channel 3. Make sure that dispensers are free of VOCs before dismantle it 4. Provide PPE to all Workers involve in dismantle activities 5. Proper procedure shall be established for dismantling equipment that equipment that contain VOCs 6. Operator shall ensure to hire competent and experience worker/contractor to carry out decommissioning activities 7. Operator shall ensure that the activities are carried out based on the established procedure. 8. Always start the activities with safety briefing 9. Wear proper PPE 10. Maximum supervision from the project or facility manager on the activities	1. Cease the work if VOCs are still present in the storage tanks, fuel pipes and dispensers 2. Maximum supervision from project or facility manager on the activities	1. Reassess the existing preventative measures and implement the result 2. Ensure that necessary measure has been put in place prior to resume the activities 3. Maximum supervision from project or facility manager on the activities
• Work in extreme heat non stop		*Worker expose to extreme heat*	1. Workers must adjust exposure until body is acclimated to the heat 2. Notify supervisor of any personal risk factors 3. Set up break schedule 4. Provide proper PPE to all workers involve in the activities 5. Operator shall ensure that the worker wear proper PPE 6. Prepare water or any alternative liquid to keep workers	1. Cease the work temporarily when there is workers suffer from heat 2. Apply first aid to heat exhausted workers or suffer from un serious	1. Let the workers recover completely before resume to work 2. Compensate the workers if necessary 3. Reassess the existing preventative measures

			hydrated 7. Prepare first aid kit in an accessible location 8. Only allow certified workers to perform first aid 9. Do not ignore possible symptoms of heat stress 10. Rest if exhausted 11. Provide safety briefing prior to carry out the activities 12. First Aid kit shall be made available on site and the operator shall ensure at least one staff with first aid knowledge shall be made available on site 13. Maximum supervision from project or facility manager on the activities	heat stress 3. Evacuate the workers if the workers suffer serious heat stress to nearest hospital or clinic or contact emergency number for evacuation assistance 4. Maximum supervision from project or facility manager on the activities	and implement the result 4. Ensure that necessary measure has been put in place prior to resume the activities 5. Maximum supervision from project or facility manager on the activities and sick workers
• Vehicles movement • Working with heavy machinery • Work at height		*Risk of injury related to accident (vehicles, heavy duty equipment working in height, etc.)*	1. Only allow competent workers to perform the work 2. Only allow competent driver to operate the vehicles and heavy machineries 3. Introduce speed limit on site for vehicles leaving and entering 4. Hold frequent safety meeting 5. Recognize hazard and provide plan to minimize the risks 6. Wear proper PPE before working at height 7. Workers must make sure that every time workers are on roofs and scaffolding, fall-prevention countermeasures are in place. 8. Make sure to work in a team of two or more 9. Prevent falling objects 10. Provide emergency contact numbers 11. First Aid kit shall be made available on site and the operator shall ensure at least one staff with first aid knowledge shall be made available on site 12. Remind workers to wear proper PPE before working 13. Remind driver on the speed limit in the facility 14. Maximum supervision from the project or facility manager on the activities	1. Cease the activities temporarily when there is an accident or incident or injured during the activities 2. Apply first aid to treat unserious injured workers 3. Evacuate serious injured workers to nearest hospital or clinic, or contact emergency number for evacuation assistance 4. Maximum supervision from the project or facility manager on the activities and on injured workers	1. Compensate if necessary 2. Do proper record on the incident and make it available in the site 3. Reassess the existing preventative measures and implement the result 4. Ensure that necessary measure has been put in place prior to resume the activities 5. Maximum supervision from the project or facility manager on injured workers
• Dismantle facility components		*Workers mechanical related works accident*	1. Hiring people with related work experiences 2. Hire contractor/worker that have knowledge on mechanical equipment and hazard 3. Prevent body to contacting hazardous moving parts 4. Ensure no objects can fall into moving parts 5. Provide proper PPE and workers must PPE before working 6. Remind workers to wear proper PPE before working 7. First Aid kit shall be made available on site and the operator shall ensure at least one staff with first aid knowledge shall be made available on site 8. Maximum supervision from the project or facility manager on the activities	1. Cease the activities temporarily when there is an accident or incident or injured during the activities 2. Apply first aid to treat unserious injured workers 3. Evacuate serious injured workers to nearest hospital or clinic, or contact emergency number for evacuation assistance 4. Maximum supervision from the project or facility manager on the activities	1. Compensate if necessary 2. Do proper record on the incident and make it available in the site 3. Reassess the existing preventative measures and implement the result 4. Ensure that necessary measure has been put in place prior to resume the activities 5. Maximum supervision from the project or facility manager on injured workers
		Work in Confined	1. Procedure on confined space entry shall be established and operator shall ensure that confined space entry work shall	1. Cease the temporarily when accident or	1. Let the work recover completely before resume

		space	follow the procedure 2. Only allow competent and certified Workers/contractors to performs confined space work 3. Operator shall provide information on the contractor and the procedure to the ANPM prior to carry out the activities 4. Use Respiratory protective equipment for confined space work 5. Provided proper PPE and workers must wear the PPE before the activities 6. Make sure to work in a team of two or more 7. Remind workers to work in a team 8. Remind workers to wear proper PPE 9. First Aid kit shall be made available on site and the operator shall ensure at least one staff with first aid knowledge shall be made available on site 10. Maximum supervision from the project manager on the activities	incident happen 2. Rescue the injured workers from the confined space 3. Apply first aid to treat non serious injury 4. Evacuate the serious injured workers to nearest hospital or clinic or contact emergency number for evacuation assistance 5. Maximum supervision from the project manager on the activities	to work 2. Compensate the workers if necessary 3. Do proper record on the incident and make it available in the site 4. Reassess the existing preventative measures and implement the result 5. Ensure that necessary measure has been put in place prior to resume the activities 6. Maximum supervision from the project manager on the activities
• Dismantle electrical power system • Leaking of fuel from vehicles during decommissioning		*Impact of fire in the project area or facility on the workers*	1. Disconnect all the electrical source prior to dismantle electrical power system 2. The work area must be fenced to prevent unauthorized access to working areas. 3. Avoid using leaking vehicles in project area or facility 4. Only designated Workers, supervision and nominated personnel will be allowed in work areas. 5. Relevant signage must be placed in and around the proposed site, for purposes of awareness during decommissioning phase 6. An emergency response plan must be available on site and contractor and its Workers must be familiar with the plan. 7. Smoking is not permitted on site. 8. PPE must be worn at all time by staffs 9. All Workers should be made aware of all emergency contact numbers 10. Proper fire extinguisher should provide near that activities 11. Remind workers to wear PPE 12. First Aid kit shall be made available on site and the operator shall ensure at least one staff with first aid knowledge shall be made available on site 13. Maximum supervision from the project or facility manager on the activities	1. Cease the work temporarily when there is fire during the activities 2. Evacuate Workers to safe place 3. Apply first aid to unserious injured workers 4. Evacuate serious injured workers to nearest hospital or clinic, or contact emergency number for evacuation assistance 5. Maximum supervision from project or facility manager on the activities	1. Investigate the accident or incident 2. Let the workers recover completely before resume to work 3. Compensate the workers if necessary 4. Notify the relevant authority when there is casualty 5. Do proper record on the incident and make it available in the site 6. Reassess the existing preventative measures and implement the result 7. Ensure that necessary measure has been put in place prior to resume the activities 8. Maximum supervision from the project or facility manager on the activities
		Electrical accident	1. Disconnect all the electrical source prior to dismantle electrical power system 2. Only allow competent workers to perform the activities 3. Provide PPE to workers and workers must wear the PPE before the activities 4. Make sure to work in a team of two or more 5. Remind workers to wear PPE 6. First Aid kit shall be made available on site and the operator shall ensure at least one staff with first aid knowledge shall be	1. Cease the work temporarily when there is accident or incident 2. Evacuate Workers to safe place 3. Apply first aid to unserious injured workers 4. Evacuate serious injured workers to nearest	1. Investigate the accident or incident 2. Let the workers recover completely before resume to work 3. Compensate the workers if necessary 4. Notify the relevant authority when there is casualty

			made available on site 7. Maximum supervision from the project or facility manager on the activities	hospital or clinic, or contact emergency number for evacuation assistance 5. Maximum supervision from project or facility manager on the activities	5. Do proper record on the incident and make it available in the site 6. Reassess the existing preventative measures and implement the result 7. Ensure that necessary measure has been put in place prior to resume the activities 8. Maximum supervision from the project or facility manager on the activities
• Vehicles movement (in and out of the project area or facility) • Use of heavy machinery • Demolition of the facility • Wastes production and burning	**Social impact (community health and safety)**	*Dust (particulate matter) and Flue gasses/ exhaust gasses impact on community*	1. Regular spray dusty area using water to suppress dust from suspend in the air 2. Make sure that dusty floor in the project area or facility is regularly cleaned to avoid accumulation of dust 3. Concrete mixture should be properly done to avoid cement powder from carrying by the wind, particularly during windy day 4. Stop using out of control flue gasses vehicles, machineries and generator 5. Regular maintenance for vehicles and equipment to avoid gasses emission 6. Establish speed limits to vehicles operate inside and outside the project area and the speed limit sign should be temporarily installed in the project to remind the drivers 7. Turn of the unnecessary idling engines of vehicles and machineries 8. Regular maintenance for back-up generator 9. Suspend the work when during windy day 10. Wastes should not be burnt onsite, but managed and disposed of at the designated location 11. Proper wastes management sign should be displayed in the project area or facility 12. Remind the drivers to not drive over the established speed limit 13. Remind the workers to manage and dispose wastes of at the designated location 14. Maximum supervision from the project or facility manager on the activities	1. When there is complaint from the surrounding community cease the work temporarily 2. Resolve to complaint in a proper manner before resume the activities 3. Contact emergency number if there is physical confrontation involved during complaint 4. Stop using out of control flue gas vehicles, machineries and generator 5. Wastes should be cleaned and disposed of at the designated location 6. Maximum supervision from the project or facility manager on the activities	1. Let the police investigate people who involve in physical confrontation 2. Do proper record and make it available in the site 3. Reassess the existing preventative measures and implement the result 4. Ensure that necessary measure has been put in place prior to resume the activities 5. Maximum supervision from the project or facility manager on the activities
• Vehicles movement (in and out of the project area or facility) • Movement of outside the		*Traffic jam and traffic accident (general traffic outside the project area or facility)*	1. Clear markings to set apart vehicle and pedestrians routes; 2. Dedicated personnel must be presented to manage traffic and pedestrian movements outside the project area or facility. 3. Ensure that company's drivers have the competence to operate the vehicles safely outside the project area or facility and have valid driving license 4. Provide warning signs at all entrances and exits when carry	1. Driver should follow traffic signs or/and police instruction to avoid causing traffic jam 2. when there is traffic accident or incident, driver should stop the vehicle to assess the	1. Let the police investigate the accident or incident 2. Compensate the victim if necessary 3. Emergency contact numbers must be made available in the companies vehicles

facility			out decommissioning activities. 5. Provide sign for safe movement of vehicles and people (pedestrian crossing areas, barriers, safe zones, walkways etc.). 6. Introduce a speed limit to companies driver operate outside the project area or facility and continue remind driver to control the speed 7. Company's driver should follow all the traffic signs on the road 8. Driver operate companies vehicles outside the project area or facility in any circumstances should under no alcohol influence 9. Provide emergency contact numbers in the vehicles and drivers should be made to aware of emergency contact number 10. First aid kit should be made available in the vehicles operating outside the project area or facility 11. Company's driver should be trained to use first aid kit and have training certificate 12. Maximum supervision from project or facility manager on the activities	accident or incident 3. Apply first aid to unserious injured victim 4. Evacuate the serious injured victim to nearest hospital or clinic or call emergency number for evacuation assistance 5. Maximum supervision from project or facility manager on the activities	4. Company should toughen up the regulation or police control driver behaviour 5. Do proper record and make it available in the site 6. Reassess the existing preventative measures and implement the result 7. Ensure that necessary measure has been put in place prior to resume the activities 8. Maximum supervision from the project or facility manager on the activities
• Vehicles movement (in and out of the project area or facility) • Demolition of the facility		*Noise impact and Vibration impact*	1. Notify the community around the project area or facility on the decommissioning plan and impact of the activities 2. Demolition of the facility should happens during working hours 3. Make sure that noise produce during demolition does not exceed the maximum standard 4. Recommend to use low noise and vibration equipment during decommissioning activities 5. Maximum supervision from the project or facility manager on the activities	1. Cease the activities temporarily when there is complaint from the community 2. Resolve the complaint before resume the work 3. Call emergency contact number if there is physical confrontation involve during the complaint 4. Maximum supervision from the project or facility manager on the activities	1. Let police investigate people who involve in physical confrontation 2. Resolve any problems in a proper manner 3. Investigate if there is damage to community property cause by the vibration during decommissioning activities 4. Compensate if vibration produce during the activities destroy community's property 5. Do proper record and make it available in the site 6. Reassess the existing preventative measures and implement the result 7. Ensure that necessary measure has been put in place prior to resume the activities 8. Maximum supervision from the project or facility manager on the activities

• Leaking of fuel from vehicles during decommissioning • Mechanical works		*Fire impact on the community*	Use the preventive action mitigation measures for fire impact in the project area or facility on the Workers in this section to prevent fire.	Use the control and responding action mitigation measures for fire impact in the project area or facility on the Workers in this section as control and responding actions.	Use the corrective action mitigation measures for fire impact in the project area or facility on the Workers in this section as corrective actions.
• Removing underground storage tanks • Removing pipework • Removing dispenser • Removing wastewater treatment system • Leaking of fuel or lubricant from heavy machinery	**Soil quality, Water quality (both groundwater and surface water)**	*Soil, Surface water and groundwater pollution due to fuels spill and leak*	1. Ensure fuel has been removed from the UST. 2. Pipes and vents must be disconnected and removed before the tank is lifted. 3. The UST must be securely fastened before transportation via truck from the site. 4. Soil samples will be obtained from the base and sides of the UST excavation to verify that the site is un-impacted and does not pose a contamination risk to human or the environment. 5. Backfill material must be un-impacted. 6. Ensure that any contaminated soil is removed and properly disposed to prevent potential impacts on groundwater. 7. If any pollution/ contamination of water resources or soil is detected during the decommissioning of the tanks, relevant authorities should be informed 8. Any liquid waste produce during the decommissioning must be properly disposed at the designated location/facility. 9. Maximum supervision from the project or facility manager on the activities	1. Make known to relevant authority if leak is detected and the contaminated sites 2. Maximum supervision from the project or facility manager on the activities	1. Clean the leakage and spillage 2. Remediation must be undertaken when contamination is detected 3. Maximum supervision from the project or facility manager on the activities
• Spill or leak • Fire or explosion	**Ecology impact**	*vegetation and/animals*	Rehabilitate the site by planting trees and grass if there is no plan to use the site for other activities. It is important to work with relevant authorities do carry out rehabilitation		
Decommission of the facility	**Economic and agricultural impacts**	*Impact on employees*	1. Let the employees know as early as possible 2. Allocate the employees to other facility if possible 3. Help them to find other jobs if possible		
Waste production and burning		*Waste production*	1. Manage the wastes properly and dispose the wastes at the designated location 2. Wastes should not be burnt onsite 3. Sign should be displayed on site and where waste should accumulated and disposed of 4. Maximum supervision from the project or facility manager on the activities	1. Clean the improper disposal of wastes and dispose at the designated location 2. Maximum supervision from project or facility manager on the activities	1. Remind workers to manage and dispose the wastes of at the designated location 2. Maximum supervision from the project or facility manager on the activities

9. GOVERNING PARAMETERS

As discussed in the previous sections, storing and handling of petroleum products (gasoline and diesel fuel) have potential impacts on the environment. It could affect the air, water and soil, as well as the health and safety of employees and the community.

In the absence of national environmental quality standards which are relevant to the proposed projects, for future reference on environmental assessment criteria the company intends to comply with available international guidelines, such as WHO ambient air quality guidelines for assessing the ambient air quality emissions.

- **Ambient Air Quality**

Table 7. WHO Ambient Air Quality guidelines

WHO Ambient Air Quality Guidelines		
	Averaging Period	**WHO Guidelines Values**
Particulate Matter **$PM_{2.5}$** **PM_{10}**	1 – year 24 – hour 1 – year 24 – hour	10 µg/m_3 25 µg/m_3 20 µg/m_3 50 µg/m_3
Ozone (O_3)	8 – hour daily maximum	100 µg/m_3
Nitrogen dioxide (NO_2)	1 – year 1 – hour	40 µg/m_3 200 µg/m_3
Sulfur dioxide (SO_2)	24 – hour 10 minute	20 µg/m_3 500 µg/m_3
Carbon monoxide (CO)	8 – hour	9 ppm or 10.31 mg/m_3

Based on the measurement in the field that conducted by company with the support of consultant. By using Airradio to measure the air quality in the project location, there are two points that had been chosen as measurement points: the first point is inside the project area and the second point is the access road that connected Dili to Hera. The results of measurement are shown in the table below:

Table 8. Air Quality Measurement Result

Parameter	Measurement result	
	Point A	Point B
Coordinate	8°34'14"/125°37'8"	8°34'14"/125°37'7"
Temperature	32C°	34C°
CO_2	680 ppm	788 ppm
PM 2.5	6 ug/m3	8 ug/m3
PM 10	15 ug/m3	8.9 ug/m3
Humidity	98%RH	99%RH
Wind Speed	0.7 – 3.5 m/s	0.8 – 3.9 m/s
Wind Direction	NW to SE	NW to SE

Figure 16. Air Quality Measurements by Airradio

Furthermore, the drinking water quality parameters are selected in accordance with the water quality study conducted by the Ministry of Health, Environmental Health Division of Timor-Leste in collaboration with the WHO Regional Office for South East Asia. For groundwater monitoring, there is National Groundwater Monitoring guide available. It provides basic information such as what groundwater is, different types of bore drilling and monitoring methods, how to measure groundwater levels and how to sample and test the quality of groundwater.

- **Drinking Water Quality**

Table 9. Water quality parameters

Water quality parameters that are identified as of concern to Timor-Leste		
Chemical Parameters	**Unit**	**Timor-Leste Recommended value**
pH	pH	6.5 – 8.5
TDS	mg/L	600 (WHO)
Temperature	°C	-
Turbidity	NTU	5
Iron	mg/L	0.3
Sulfate	mg/L	250
Fluoride	mg/L	1.5
Nitrate	mg NO_3/L	10
Arsenic	mg/L	0.01

Table 10. WHO classification of bacteriological water quality

WHO classification of bacteriological water quality	
Thermo tolerant Coliform per 100ml, CFU/100ml	**Risk classification**
0	In accordance with WHO guidelines
1 – 10	Low risk
10 – 100	Intermediate risk
>100	High risk

- **Soil Parameter**

Soil pH is considered a master variable in soils as it affects many chemical processes. It specifically affects plant nutrient availability by controlling the chemical forms of the different nutrients and influencing the chemical reactions they undergo. The optimum pH range for most plants is between 5.5 and 7.5; however, many plants have adapted to thrive at pH values outside this range.

Based on the measurement in the field that conducted by the consultant the result of **pH** measurement in the project location is **7**, this shown that pH in the project location is **Slightly Acidic** based on the soil pH parameter range by the United States Department of Agriculture (UDSA). The type of soil that observed in the proposed location is alluvial soil with fine grand soil consist of several main alluvial material such as clay, chalk and sand.

Table 11. Soil and Water Measurement

Parameter	Measurement result	
	Point A	Point B
Soil		
Coordinate	8°34'14"/125°37'8"	8°34'14"/125°37'6"
Temperature	28°C	30°C
Moisture	Dry	790 ppm
pH	7	5 ug/m3
Texture	Heterogenous	7.5 ug/m3
Water		
Temperature	26°C	
pH	7.0	
TDS	2.9 ppm	

Figure 17. FLO 10 pH measurements (*Source: Hersege Consultant 2021*)

Table 12. Soil pH Parameter (The United States Department of Agriculture (UDSA)

Denomination	pH range
Ultra acidic	< 3.5
Extremely acidic	3.5—4.4
Very strongly acidic	4.5—5.0
Strongly acidic	5.1—5.5
Moderately acidic	5.6—6.0
Slightly acidic	6.1—6.5
Neutral	6.6—7.3
Slightly alkaline	7.4—7.8
Moderately alkaline	7.9—8.4
Strongly alkaline	8.5—9.0
Very strongly alkaline	> 9.0

- **Noise Level**

Sound level meters are commonly used in noise pollution studies for the quantification of different kinds of noise, especially for industrial, environmental, mining and aircraft noise.

The current international standard that specifies sound level meter functionality and performances is the IEC 61672-1:2013. The first noise measurement point is inside the project area. Noise source is from the operated motor vehicle that passes through the main road and to the fuel filling area. Total of the 120 data collected from the noise level meter within the 10 minutes time frame. By using formula based on the "*Lampiran II Keputusan Menteri Negara Lingkungan Hidup No. : KEP-4/MENLH/11/1996 Tentang Baku Tingkat Kebisingan Tanggal 25 Nopember 1996*, the result of measurement is **42.48 dBA**. This number does not exceed the IFC Noise Level Guidelines for industrial activity (70 dbA) see Table 11.

Table 13. IFC Noise Level Guidelines

	One Hour L_{Aeq} (dBA)	
Receptor	Daytime 07:00 - 22:00	Nighttime 22:00 - 07:00
Residential; institutional; educational[55]	55	45
Industrial; commercial	70	70

In addition the temperature at the project location when conducted the measurement is 29^{o}C, the humidity is 66% RH, with the wind speed is 0.6 to 2.5 m/s and the wind blows from North to South.

10. MONITORING PROGRAM

The monitoring program is established to measure the impacts that may occur as a result of the project. It serves as the company's ways of showing its commitment in the health, safety and the environmental protection and to comply with the legal requirements. Furthermore, the effectiveness of proposed mitigation measures can be gauged through the monitoring program. The project's owner and the designated officers/staffs are responsible for developing, implementing and maintaining the monitoring programs.

A scope is provided for each of the monitoring programs that is created or performed in the following table.

Table 14. Monitoring Program

No	Monitoring Program	Scope	Responsibility
1	Inspection	**Oil/water separator** • Ensure the oil/water separator is clean and free of debris, • Remove the accumulated oil in the oil/water separator and disposed it as recommended	CDFG Management
		Drainage/gutters • Check drains are not blocked or full	CDFG Management
		Floors • Floor area where there is possibility of spills such as dispensing and unloading of bulk delivery area is cemented and graded to contain polluted runoff, • The cemented surface ground need to be maintained so that no cracks or faulty joints between concrete slabs that would allow liquid penetration (sign of deterioration), • Ensure that the marking for safety zones on the pavement are visible	CDFG Management
		Lightning • Check lighting system to ensure that all areas have adequate lighting level	CDFG Management
		Monitoring well • Monitoring well should be checked regularly for identifying the leaking from the underground storage tanks	CDFG Management
		Water level monitoring • check stored fuels for water content by using special paste and dipstick • check the interstitial space of double wall tanks for accumulation of fuel or water • water level monitoring should be done daily or weekly in order to avoid unacceptable water content in the storage tanks and monitoring result should be recorded	CDFG Management
		Dispensers • Remove panels to check for sign of leaks and general condition of electrics (signs of overheating), and the integrity of seal	CDFG Management
		Dispensers Hoses • Ensure hoses are in reasonable conditions, they are not badly chafed, split or worn, • Check nozzles terminate delivery when return to its holsters, • Check nozzle cut off device is working, • all staff should ensure that dispensers' hoses are laid on the filling areas and on pump islands' flood at any time	CDFG Management
		Pipework and vent pipes • Check the condition of pipes and valves for sign of leaks, corrosion or damage. For vent pipes (above ground level)	CDFG Management

		pay special attention to sign of corrosion at ground level	
		Storage tanks and filling points • Properly label filling points, • Check tank fill pipes are locked, • Check manhole covers are seated correctly and can easily lifted using appropriate lifting device	CDFG Management
		Notice and signs • Ensure that none of the notices and signs posted are missing, damage or illegible, • Emergency telephone number are up to date and displayed	CDFG Management
		Firefighting equipment • Ensure that fire extinguishers are present in the correct number, fully charged and no sign of damage, • Check that the bucket is filled with sufficient dry sand to cover accidental leakage of liquid fuel and present for each of fuel dispenser, • Carry out a regular inspection on the fire extinguishers (at least once a month) and inform a competent third party who is responsible in providing services on fire extinguishers if there is any damage or malfunction on it	CDFG Management
		Emergency equipment • Check contents of first aid kit are all present and correct (*i.e.* include necessary supplies and medication), • Check all emergency switches and loud speaker or alarm system and telephone are functioning properly	CDFG Management
2	Emergency response plan and its procedures	**Equipment and procedures** • Description of emergency response equipment, function(s) and how to operate, • Identify fixed firefighting facilities, such as raising alarm system, electrical shut down of pumps/dispensers or other equipment, emergency routes and assembly point for staffs and customers, • Portable fire fighting and spill facilities, including fire extinguishers, its type and location, and spill containment system, e.g. dry sand or other suitable and proper absorbent material, • Ensure that emergency procedures are understood by all employees on site, for instance by using appropriate language and/or utilize pictogram	CDFG Management
		Training and practice in emergency procedure • Provision of training to the employees, include but not limited to (i) the function, operation and use of electrical and other devices for controlling or regulating delivery of fuel products to vehicles' fuel tank or to underground storage; (ii) practical experience of using portable fire extinguishers; (iii) familiarity with different classes of fire and appropriate type of fire extinguishers for each class; (iv) safe dispensing procedures and unloading procedures; (v) recognizing and reporting fault in equipment; (vi) dealing with small spills	CDFG Management

		• Ensure all the employees have attended first aid training • All employers should attend firefighting training and refreshment training and should have certificate	
3	Maintaining records and documentation	**Documents** • Records of maintenance history, faults detected and repairs or modifications carried out at the site, • Incident reporting, • Inventory check on the fuel stock, • Up to date Health, Safety and Environmental (HSE) Plan	CDFG Management
4	Traffic monitoring	**Traffic safety** • Ensure accesses are not obstructed in any manner, including obstruction by parked vehicles, • Ensure the vehicles are parked in a designated area while refuelling, • Place restriction on circulation of people and other vehicles at the unloading zone during the unloading of liquid fuel from tanker into the storage tanks,	CDFG Management
5	Implementation of current procedures in place	**Procedures** • Filling the fuel to storage tank through the fuel tanker, • Filling the fuel to the tank of vehicles, • Count the volume of fuel in the storage tank and record the result, • Make the inspection to the fire extinguisher, • Job Safety Analysis and reporting	CDFG Management

11. REPORTING REQUIREMENTS

The environmental management plan would require reporting arrangements for the purposes of assisting with effective implementation and with external reporting. All reports must be filed by the operator/company in a place where they can be easily retrieved and to be made available for scrutiny by relevant authorities. The types of reporting that need to be prepared include:

- ✓ Internal monitoring and inspection
- ✓ Incident, accident and emergency reporting
- ✓ Performance indicators
- ✓ Training programs

The following table specifies the reporting frequencies and types of reports for reporting to the environmental authorities and other relevant authorities.

Table 15. Reporting Requirements

No	Type of reports		Reporting frequency	
			Internal report	External reporting (authority/regulator)
1	**Internal monitoring and inspection**	Report faults detected and repairs or modification carried out	When such activities are performed	When requested
2		Inventory report on the fuel stock	Daily record	
3		Well monitoring	Daily/weekly record	
4	**Incident, accident and emergency reporting**	Report of accident products spills or leakage	A report must be filed soon after the incident /accident /emergency has been handled to the company's management	in the event of serious incident occurs, relevant authorities must be verbally informed at the time of incident/accident/emergency as soon as possible and a report must be filed after it has been handled
5		Fire or other emergency report		
6		Traffic incident report		
7		Violence and/or vandalism report		
8	**Reporting on performance indictor**	Incident rate report	A report on indicators is done yearly or it may be earlier when needed	
9		Training records		
10		Complaints and grievance records		
11	**Training programs**	Training report on fire fighting, first aid and etc		A report including the evidence (e.g., copy of training certificate) is filed to relevant authorities, when there are new training or refresher training (recommended)

12. RESPONSIBILITIES FOR MITIGATION AND MONITORING

The company, CDFG Unipessoal Lda, has primary responsibilities for implementation of the proposed mitigation measures and monitoring programs. The company also is in liaison with other relevant institutions and authority bodies to ensure that the installation and operation of the automotive fuel filling station is aligned with the national laws and regulations, and industrial best practice.

The following institutions and authorities (as mentioned earlier in the section of institutional roles and responsibilities) have roles and responsibilities in safeguarding the social wellbeing, economic, and the environmental protection relevant to the proposed project.

(1) *Agençia Nacional de Licensiamentu Ambiental (ANLA)* (2) *Secretario Estado do Meio Ambiente (SEA)*	Carry out inspection and monitoring to safeguard the environment, health and safety
(3) Autoridade Nacional do Petróleo eMinerais (ANPM) *Direcção Downstream* (4) *Ministério* do Petróleo	The regulatory authority for the petroleum and natural gas and related products, and mining Industries Carry out inspection and monitoring on downstream activities
(5) *Direcção Nacional* de *Servicos* de *Águas e Saneamento (DNSAS)*	Responsible for the national management of water resources. It also formulates sector policy, manages the distribution for human consumption, and monitor water quality through DNSAS laboratory
(6) *Ministério da Saúde*	Responsible for public health
(7) Direcção Nacional da Protecção Civil (which include the fire fighters)	Responsible for fire hazard and emergency

13. EMERGENCY PLAN

This emergency plan will be used as a basis to respond to or control an emergency situation that may occur at the CDFG Unipessoal Lda.

The following scenarios are considered to constitute an emergency:

- ✓ Fire or ignition source on the forecourt
- ✓ Significant spillage of flammable fuels
- ✓ Spill on clothing
- ✓ Explosion
- ✓ Threat of violence, personal injury or robbery
- ✓ Natural disaster

The responsible persons for managing emergencies at the CDFG Unipessoal Lda are: (1) the Representative of the company – Cesario Dias Freitas; (2) the Vice Director – Mr. Luis Da

Costa; and (3) the staffs or personnel on site. These personnel should have the power to stop and direct works so that they can manage emergencies effectively. The employer has the responsibility to provide necessary training to the employees and ensure that the emergency procedures in place are well understood, implemented and maintained.

- **Emergency response procedures**

The emergency response procedures indicate the emergency actions to be carried out upon becoming aware of the emergencies.

i. Emergency contact

The emergency contact details for the available emergency services:

- Police -112/7731 2358
- Fire Department -115/4130069
- Ambulance -110/3311044

Outline of how to interact with emergency services, such as the police, firefighters and ambulance: (1) first making them aware of the emergency scenario, (2) clearly stated the location of the fuel filling station, namely Fatuk Francisco, Camea, Cristo Rei and Dili (3) providing the contact detail of the manager of the fuel filling station:

Representative of Company : **Cesario Dias Freitas Gusmão**
Mobile number : **+670 77090460**

ii. Fire and explosion

In the event of fire, cease the operation of refueling and disconnect the electricity in the general area. Alert the personnel and clients about the emergency situation. If it is a small fire, the trained personnel should extinguish the fire using the fire extinguishers. An accident report should be filed to further assess the cause and actions taken for future reference. If the fire is large and cannot be contained, follow the evacuation procedures and immediately contact the fire department. Provide first aid when needed.

iii. Spillage of flammable liquid fuels

Oil spills may occur during: (1) refueling/dispensing fuel into vehicles' tanks, (2) damage to equipment or pipes leaking, or (3) transferring of fuels from the road tankers into the fuel storage tanks. In the event of oil spill, cease the activity that causes fuel spillage and

immediately isolate the area, contain the source of spill and removing the spill using absorbent (bucket of dry sand) if it is minor. If the spill is significant, immediately report the situation to the relevant authorities, activate the emergency procedures and suspend all the activity at the facility until the emergency situation has been handled.

iv. Spill on clothing

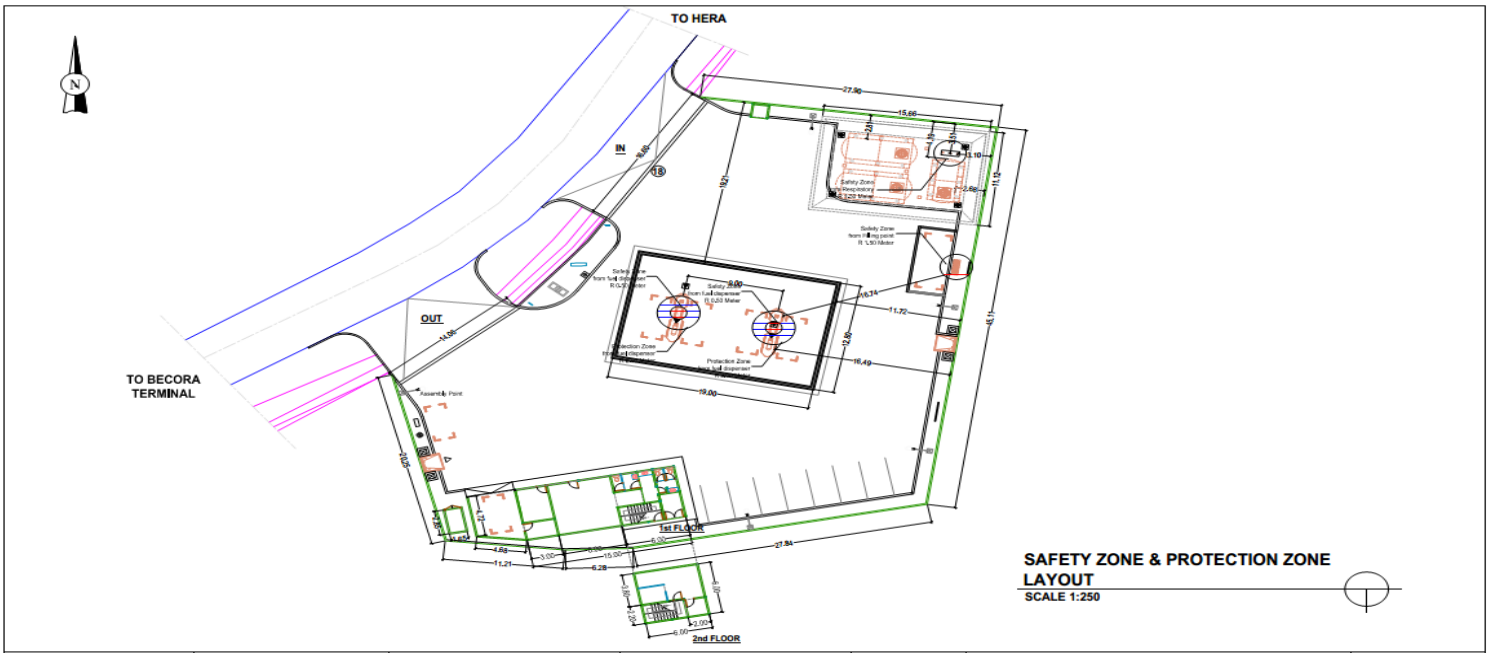
For flammable spill, remove the clothes and wash the skin to prevent from absorbing the fuel product, air the clothes before cleaning it. If clothes are soaked with fuel, make sure to wet the clothes thoroughly before removing it to avoid vapor being ignited by static.

v. Natural Disaster

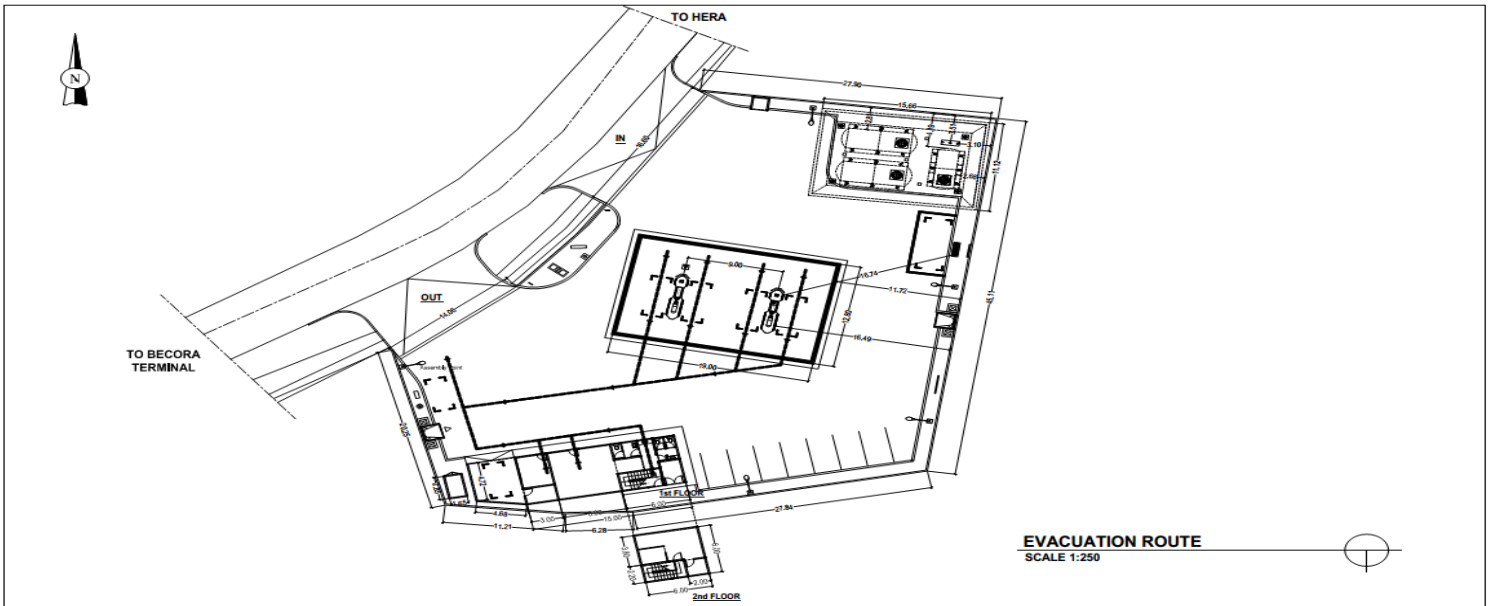
The emergency response plan was prepared to also encompass the natural disaster, such as flooding or earthquake. If such events occur, suspend the activity at the fuel filling station and only disconnect the electricity when it is safe. Everyone should evacuate to a safe place, administer first aid to those who are injured and contact emergency services if further assistance is needed. If there is damage to the facility (*e.g.* storage tanks, dispensers, *etc.*), the incident needs to be reported to the ANPM – Downstream Directorate.

vi. Threat of violence, personal injury or robbery

If such events occur, contact the emergency services and refrain from engage in any actions that can further aggravate the situation.



PREPARED BY	PROJECT OWNER	PROJECT TITLE	DRAWING TITLE		SCALE	AUTORIDADE NACIONAL DO PETROLEO E MINERAIS TIMOR-LESTE		NOTE
	CDFG UNIPESSOAL, LDA	CDFG FUEL STATION	SAFETY & PROTECTION ZONE LAYOUT		1:250	CHECKED BY	APPROVED BY	
		PROJECT LOCATION	DRAWN BY	CHECKED BY	DRAWING NO	CESALTINO BABO Downstream Project & Facility Appraisal	JUVENCIA MJDD COSTA Downstream Manager	
		BECORA, DILI TIMOR - LESTE				DATE:	DATE:	
			DATE:	DATE:				



PREPARED BY	PROJECT OWNER	PROJECT TITLE	DRAWING TITLE		SCALE	AUTORIDADE NACIONAL DO PETROLEO E MINERAIS TIMOR-LESTE		NOTE
	CDFG UNIPESSOAL, LDA	CDFG FUEL STATION	EVACUATION ROUTE		1:250	CHECKED BY	APPROVED BY	
		PROJECT LOCATION	DRAWN BY	CHECKED BY	DRAWING NO	CESALTINO BABO Downstream Project & Facility Appraisal	JUVENCIA MJDD COSTA Downstream Manager	
		BECORA, DILI TIMOR - LESTE				DATE:	DATE:	
			DATE:	DATE:				

Figure 18. Emergency Exit Plan

14. DECOMMISSIONING PLAN

Where equipment for storing or dispensing fuels is taken out of use, either permanently or on a temporary basis, it shall be carried out safely and that the equipment is left in a safe state. The decommissioning process is taking place after operation has ceased and a notification shall be given to the relevant authority six months prior to any of decommissioning activity. Any work associated with decommissioning the fuel containment system should be done by competent persons. It is also paramount to carry out a risk assessment taking into consideration all matters concerning health, safety and environmental protection.

There are two phases in the decommissioning plan:

i. Dismantling of the fuel containment system (the installation is decommissioned)

- During the excavation and removal of underground storage tank care should be taken to ensure that any contaminated material is contained and not allow migrating to other areas, this risk could be minimized by preventing rainwater build-up within the excavation.
- Before any work is carried out to render the storage tanks safe all residual fuel should, so far as is reasonably practicable, be removed from the tank and an underground tank should be inserted to reduce the risk of explosion.
- The removal of pipework should only be carried out after it has been drained and isolated from sources of fuel. It is likely for a flammable atmosphere or residual petrol to be present in pipework and as a precautionary measure of flushing with water should precede the removal and dismantling work
- The electricity supply in the site should be disconnected prior to the commencement of the decommissioning activity
- Dispensers may be removed from the site with precautions to ensure that the site is maintained in a safe condition
- The oil/water separator should be removed when it serve no purpose in connection with any intended future use of the site. Beforehand, arrangement should be made for disposal of any liquid or sludge contained in the chambers of the oil/water separator.

ii. Abandoning and restoring the site

The location of abandoned underground tanks or pipework should be brought back to its existing condition. Any residual materials from the site shall be disposed in accordance with the health, safety and the environmental plan and the environmental regulations.

15. CAPACITY DEVELOPMENT AND TRAINING

CDFG Unipessoal Lda is committed to facilitate all of its employees at the fuel filling station with training courses from accredited training providers. Every employee is obligated to attend and complete the training while actively working at the fuel filling station.The training which will be offered by the company is tailored to the role of the employees.

The purpose of these training is to ensure that they understand their responsibilities when implementing the environmental management plan. The list of training provided is as follow:

i. First Aid training
ii. Safety course
iii. Customer service course
iv. Basic training on fire fighting

The company would also offer refresher courses for existing employees as recommended in the training certificates, which would normally valid for a year or more depending on the training.

In addition, the employer has the responsibility to induct the staffs regarding the key points of environmental value and ensure that everyone is aware of the environmental incident emergency response procedures.

16. PUBLIC CONSULTATION

Public consultation is conducted by project owner and supported by the consultant with the objective to obtain constructive opinion or comments from affected community including negative and positive comments. The method of public consultation is door to door and by forum. Opinion and comments attached in this EMP Document.

There are several respondents were interviewed on their concerns regarding the impacts due to the proposed project activity. Most of the correspondents are pleased with the presence of the fuel filling station and the job opportunity that might be created. However, dust and safety are the main issue that raised by the correspondent.

Figure 19. Public Consultations by Face to Face (*Source: Hersege Consultant 2021*)

17. PUBLIC CONSULTATION AND INFORMATION DISCLOSURE WITH LOCAL AUTHORITIES AND COMMUNITIES

1. Public Consultation

According to **Minesterial Diploma No.47/2017,** in preparing drafts for SEIS and EMP, ANPM requested the proponent to complete the existing requirements, by holding public consultations with local residents, government institutions, local authorities, intellectuals and other relevant government agencies. , with the reason that in the preparation stage of the SEIS and EMP documents, it is very necessary for these activities so that the proponent can understand the situation and condition of the area from the surrounding community, of a development project or investment in certain areas, especially in the Camea area. The purpose of the public consultation held by the company is to hear, understand and accept suggestions, criticisms and constructive solutions, for the vision or business strategy plan prepared by the company so far.

That way, on August 6, 2021, the proponent made a plan to complete the requirements requested by ANPM to hold a public consultation forum, from the preparations made by the proponent for smooth running of the event, the first thing the proponent made was to coordinate between the proponents. with the local authority, and also with the ANPM to determine the day and date to realize the event. From the public consultations which took place from August 6, 2021, while during the event there were many questions, suggestions and constructive criticism submitted from the surrounding community, people's representatives or local authorities as well as explanations on environmental laws from ANPM. from the suggestions and criticisms submitted by the guests at the event, among others, as follows;

1. **Mr. Jose Ricardo (Komunidade);**

   On this occasion, the community complained about the futsal field which is currently being used by the surrounding community to exercise every afternoon. a request from the local community is whether the CDFG company has coordinated the problem with chefe aldeia to find a solution in order to get a new place for futsal sports activities as in the beginning.

2. **Mr. Marito Carlos da Costa (Komunidade);**

   Mr. Marito Carlos da Costa supports the project which will be established in the near future, and Mr. Marito suggests to the company to make a fence before starting construction, and the company must comply with all applicable regulations especially for Health and safety Environment.

3. **Mrs. Fernanda Perreira (Komunidade);**

   Mrs. Fernanda is very worried about the relocation of the *Cruz Jovem* which will be moved by the company to another place that is not necessarily feasible to place the *Cruz Jovem*. The next complaint regarding the *Fahi Luhan* who will be affected by the project, Ibu Fernanda asked that, whether there will be compensation from the company or the government for the *Fahi Luhan*.

4. **Mr. Gaspar P. Pinto (Komunidade);**

   Mr. Gaspar asked about the readiness of the CDFG company for this project, especially the mobilization of heavy equipment, the impacts that will occur are; dust, noise, vibration, and water requirements for the needs of the project. the last request is regarding employment opportunities for youth around this project area, whether the CDFG company will provide opportunities and prioritize the surrounding community to work on this project in the future.

5. **Mr. Cesario Dias Freitas Gusmão (CDFG Director);**

   The response from the CDFG Director to all questions and complaints is; The company has a very big commitment to solving various problems, especially from current complaints.

   Previously, CDFG Company had coordinated with Chefe Seco, Chefe Aldeia Fatuk Francisco and Chefe Aldeia Terminal and discussed plans for the future development of this project. From there, CDFG Company has also submitted a letter of application to the central government agency, namely the ministry of law and the central land and property department regarding the status of the land to build a business on this government land. From all this process, the company is very confident that, with a land lease permit with the government, it will not be difficult for the company to do business on the land.

   For the problem that the futsal field and the cruz jovem will be moved from the land, the CDFG Company and Chefe Aldeia have also found suitable land, namely land owned by the government to move sacred objects (Cruz Jovem), and a new place for the futsal field.

Public consultation is conducted by project owner and supported by the Hersege consultant with the objective to obtain constructive opinion or comments from affected community including negative and positive comments. The method of public consultation

is door to door or face to face and by forum also, opinion and comments attached in this Project Document.

There are several respondents were interviewed on their concerns regarding the impacts due to the proposed project activity. Most of the correspondents are pleased with the presence of the fuel filling station and the job opportunity that might be created. However, they suggested constructing the proper fuel filling station, since they are concerned on the impact that may occur in the future such as fire and others accident and control the quality and price of the fuel.


Meeting with ANPM/Downstream Staff


Meeting with SEA/ANLA Department


Meeting with ANPM/Downstream Staff


Meeting with DNSAS Laboratory Staff

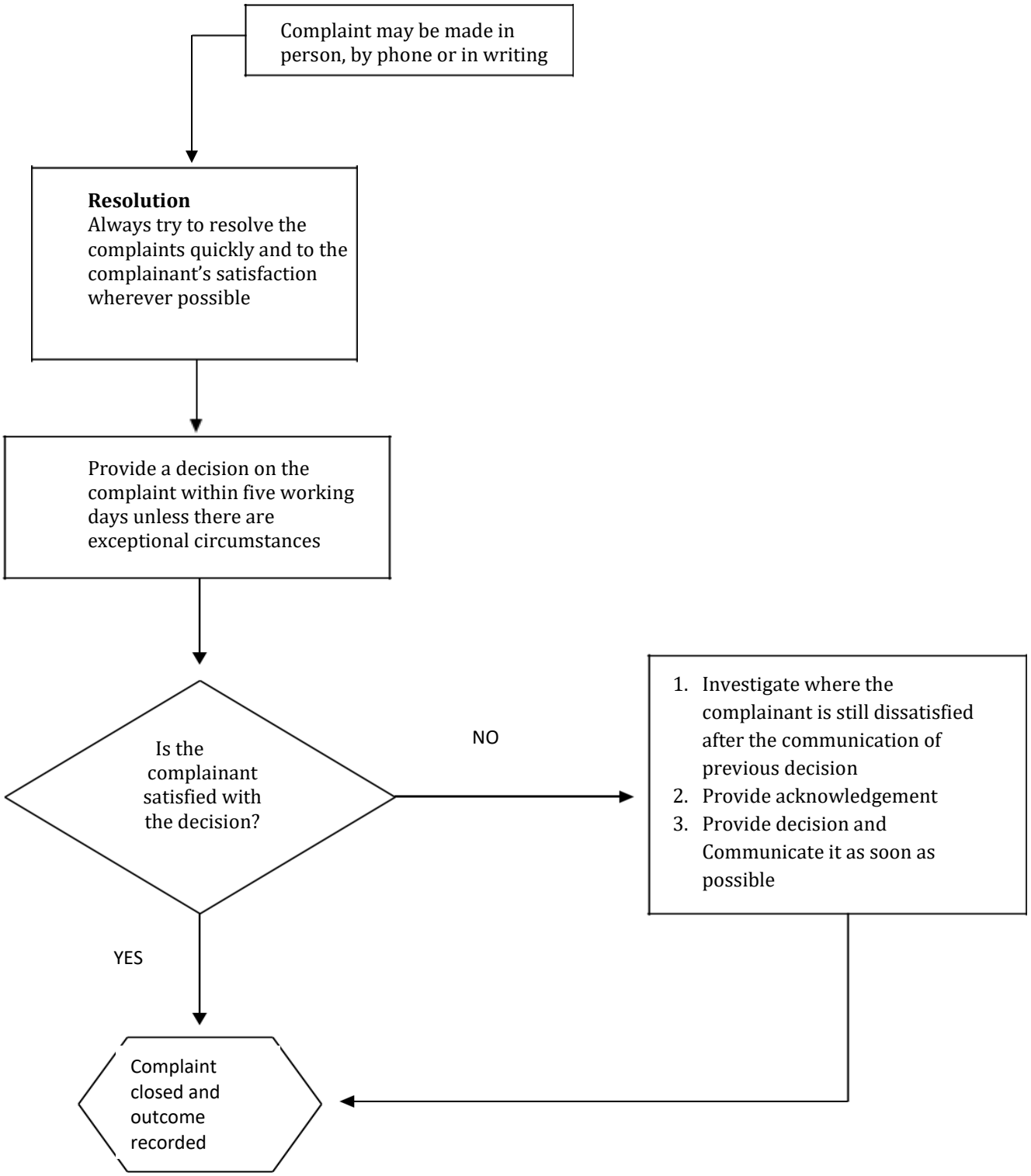
Figure 20. Public Consultations by Forum with Local Community, Local Authority and ANPM (*Source: CDFG and Hersege Consultant 2021*)

2. Information Disclosure

Disclosure of relevant environment safeguards documents will be in an appropriate form, manner, and language and at an accessible location to be understandable to the affected people and local stakeholders. The approved SEIS and EMP will be provided in the Proponent's office and can be accessed by project stakeholders' including affected communities within the project's area. The SEIS and EMP are considered as public document which is subjected to pass the information on the identified impacts and the proposed mitigation measures to be implemented.

18. COMPLAINTS AND GRIEVANCES MECHANISMS

Complaints handling procedure flowchart



19. WORK PLAN AND IMPLEMENTATION SCHEDULE

Table 16. Working Plan and Implementing Schedule

	Pre-Construction, Construction and Operational Phase					
	Jan 2020	**Sept 2021**	**Oct 2021**	**Nov 2021**	**Dec 2021**	**First operated**
Land Survey, and Agreement and Consultation with Local Authorities	→					
Land Clearing and Installation of Supporting Facilities		→				
Installation of underground storage tanks Installation of atmospheric vents (respirators)		→	→			
Installation of drainage at forecourt area			→			
Installation of dispensers and product lines				→		
Installation of oil catcher					→	
Operation of automotive fuel filling station			→	→	→	→
Mitigation and monitoring program						→

20. COST ESTIMATE

The total investment of CDFG Unipessoal Lda is equal to $350,000 which will covered construction of the CDFG Unipessoal Lda and its supporting facilities, training of staff, component of fuel station facilities.

21. REVIEW OF THE EMP

A review or amendment to the EMP may be needed during the life of the project as a part of important aspect for improving the fuel filling station's environmental management. The review of the EMP would be submitted to the Environmental Authority for approval. Review of the EMP would be undertaken:

- Following significant environmental incidents
- When there is a need to improve performance in an area of environmental impacts
- Periodically for actions undertaken over long timeframes, such as 2 years
- When there is a major renovation on main component of the facilities
- After major incidents in the facility

22. NON-TECHNICAL SUMMARY

Sumáriu Naun-Tékniku

1. This is a non-technical summary for an environmental management plan which is prepared on behalf of CDFG filling station. The aim is to provide the public and regulators proper understanding on the company's commitment to manage the potential impacts from the installation and operation of a fuel filling station.

   The non-technical summary is part of environmental management plan that is required for an environmental licensing process. The proposed plan is primarily on the management of a automotive fuel filling station during its operational and decommissioning phase.

   Sumáriu naun-tékniku ida ne'e ba Planu Jestaun Ambiental nebe prepara em nome hosi postu abastesimentu kombustivel, CDFG Unipessoal Lda. Objetivu mak atu fornese ba publiku no regulador entendementu loloos kona-ba empreza nia komprimisu atu jere impaktu potensial hosi instalasaun no operasaun iha postu abastesimentu kombustivel ida ne'e. Sumáriu naun-tékniku nu'udar parte husi Planu Jestaun Ambiental nebe nesessaria mos ba prosesu lisensamentu ambiental. Proposta planu prinsipalmente mak kona-ba jestaun retallu estasaun ense kombusitivel automotive faze operasaun no dezativasaun.

2. This environmental management plan is established to facilitate monitoring and assess whether management actions are being implemented. It could also provide assurance

to regulators that the requirements to environmental and social performances would be met.

Planu Jestaun Ambiental ida ne'e estabelese atu fasilita monitorizasaun no avaliasaun konaba asaun jestaun sira ne'ebe implementa dadaun. Nia bele mos fo garantia ba regulador sira katak rekizitu ba dezempeñu ambiental no sosial sei kumpri.

3. The scope of the environmental management plan to be covered in this section is as follow:

   The description of the project

   - ✓ Legal framework
   - ✓ Potential impacts
   - ✓ Proposed mitigation measures and monitoring

   Iha ambitu Planu Jestaun ambiental sei kobre iha seksaun ida ne'e mak hanesan tuir mai:

   Deskrisaun kona-ba projetu

   - ✓ *Enkuadramentu legal*
   - ✓ *Impaktu Potensiál*
   - ✓ *Medidas mitigasaun ne'ebe propoin no monitorizasaun*

4. The automotive fuel filling station called CDFG Unip Lda is a privately owned enterprise which is located at Fatuk Francisco, Camea, Cristo Rei, Dili - Timor-Leste. It covers a total land of approximately 2,228 m2 where facilities including a total of 20,000 L capacity of underground fuel (Gasoline and Diesel) storage tanks, two fuel dispensers to discharge gasoline, minimarket and a simple canopy are installed.

   Postu abastesimentu kombustivel ho naran CDFG Unip Lda mak empreza privadu nebe lokalizadu iha Aldeia Fatuk Francisco, Camea, Cristo Rei, Dili Timor-Leste. Nia kobre total area ho medida 2,228 m2 nebe inklui rezervatoriu ba armazenagen iha rai okos (rua) ho total Kapasidade 20,000 L, bomba kombusitvel rua ne,ebe uza ba deskarga gazolina, no fatin, minimerkadu ho kobertura simples ida instala ona.

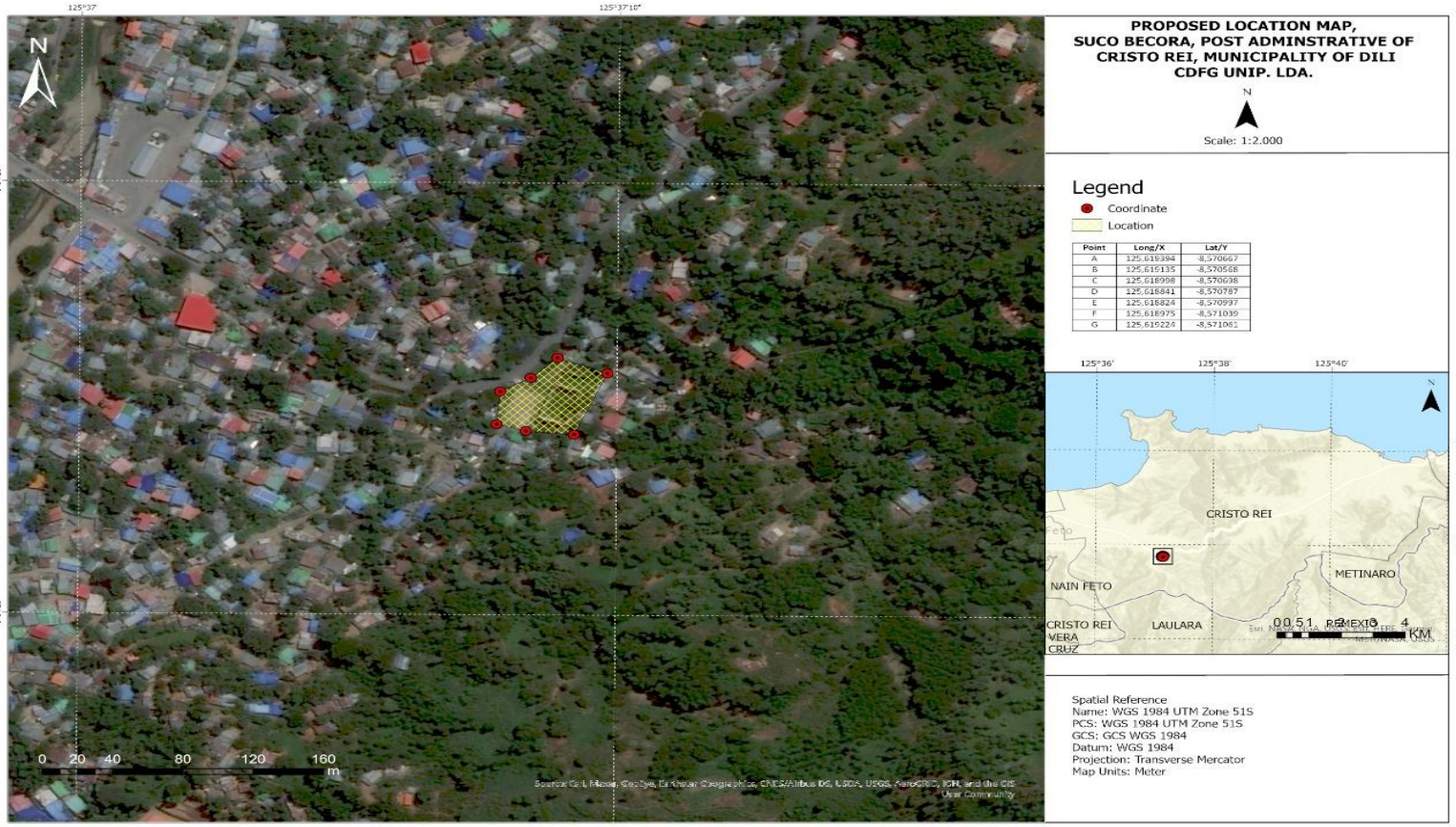


Figure 21. Map showing the location of CDFG Unipessoal Lda

Figura 21. Mapa nebe hatudu lokalizasaun husi Postu abastesimentu kombustivel CDFG Unipessoal Lda

Figure 22. Photograph of proposed CDFG Unipessoal Lda

Figura 22. Fotografia proposta CDFG Unipessoal Lda ninia lokalizasaun

5. The following diagram shows the hierarchy of environmental law in Timor-Leste. The Constitution of the Republic Democratic of Timor-Leste recognizes the need to preserve and protect the environment as stated in Section 16. The country also enacted Basic Environmental Decree-Law and Environmental Licensing Decree-Law. The Ministerial Diploma on General Regulations for Environmental Assessment is the primary guideline used for the preparation of the environmental management plan.

   Diagrama hirak tuir mai ne'e hatudu hierarkia ba lei ambientál iha Timor-Leste. Konstituisaun República Demokrátika Timor-Leste rekoñese nesesidade atu prezerva no proteje ambiente, hanesan preve iha Seksaun 61. Nasaun aprova mós Dekretu-Lei Báziku Ambientál no Dekretu-Lei Lisensiamentu Ambientál. Diploma Ministeriál kona-ba Regulamentu Jerál ba Avaliasaun Ambiental mak orientasaun prinsipál nebe uza ba preparasaun planu jestaun ambiental.

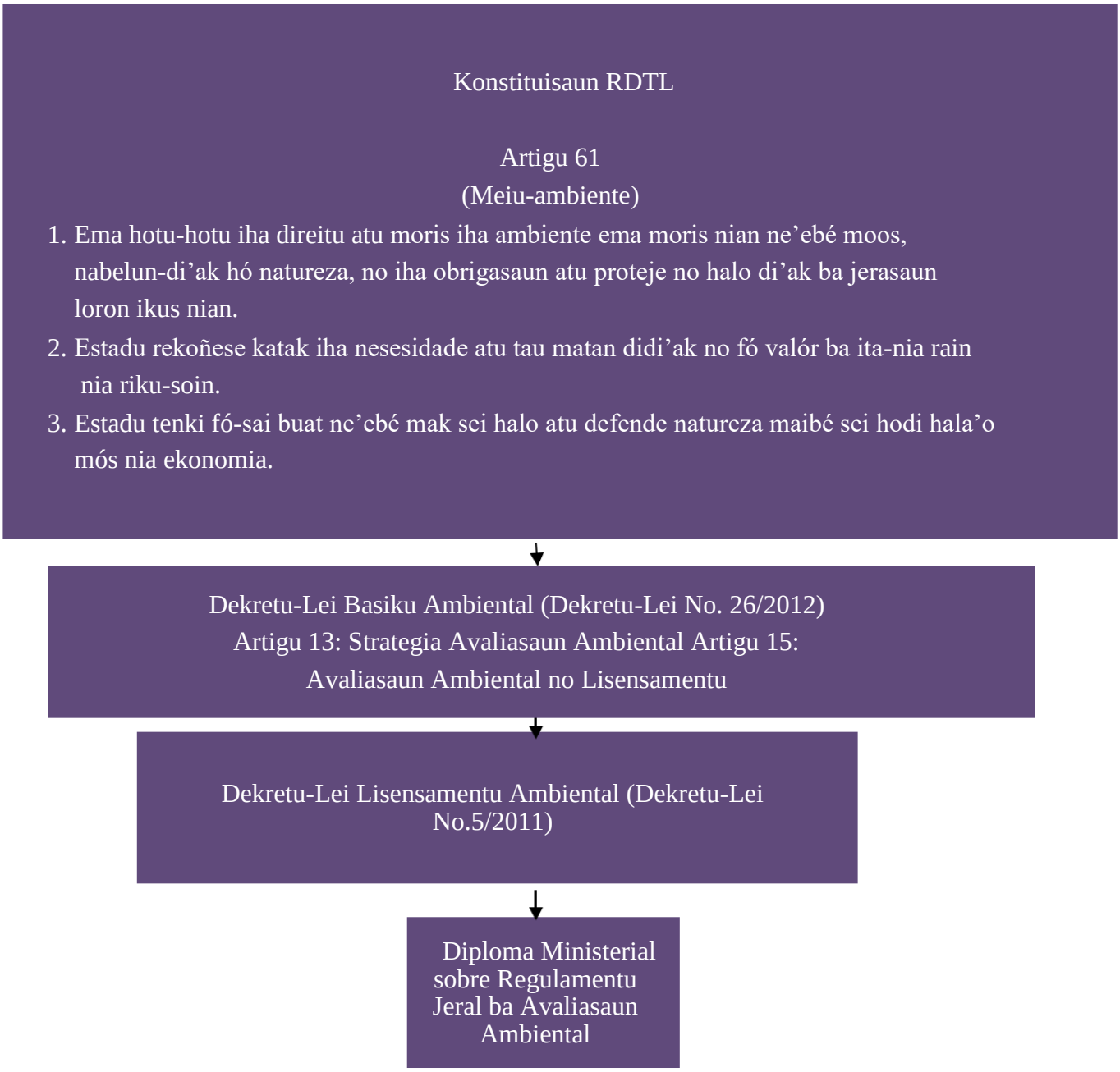
Constitution-RDTL (sec.61)

1. Everyone has the right to a humane, healthy, and ecologically balanced environment.
2. The state shall recognize the need to preserve it for the benefit of the future generation.
3. The state shall promote actions aimed at protecting the environment and safeguarding the sustainable development of the economy

Basic Environmental Decree Law (DL, No.26/2012) Article 13: Strategic Environmental Assessment
Article 15: Environmental Assessment and Licensing

Environmental Licensing Decree Law (DL, No.5/2011)

Ministerial Diploma on General Regulations for Environmental Assessment


Konstituisaun RDTL
Artigu 61
(Meiu-ambiente)
1. Ema hotu-hotu iha direitu atu moris iha ambiente ema moris nian ne'ebé moos, nabelun-di'ak hó natureza, no iha obrigasaun atu proteje no halo di'ak ba jerasaun loron ikus nian.
2. Estadu rekoñese katak iha nesesidade atu tau matan didi'ak no fó valór ba ita-nia rain nia riku-soin.
3. Estadu tenki fó-sai buat ne'ebé mak sei halo atu defende natureza maibé sei hodi hala'o mós nia ekonomia.
Dekretu-Lei Basiku Ambiental (Dekretu-Lei No. 26/2012)
Artigu 13: Strategia Avaliasaun Ambiental Artigu 15:
Avaliasaun Ambiental no Lisensamentu
Dekretu-Lei Lisensamentu Ambiental (Dekretu-Lei No.5/2011)
Diploma Ministerial sobre Regulamentu Jeral ba Avaliasaun Ambiental

6. The potential environmental impacts from the automotive fuel filling station are primarily resulted from storing and handling of fuels on site. The impacts may affect the air quality, water quality, the soil properties, and/or the marine environment due to the emission generated by the petroleum products and/or other chemicals, accidental spills or leaks of fuels during the installation and operation of the fuel filling station. These activities may also have socio-economic impacts. The primary concern is the health and safety of the workers, customers and the surrounding community, who may be directly or indirectly affected by the emission of hazardous materials released by the liquid fuels and the risk of fire and explosion at the fuel station.

Impaktu ambientál potensiál husi postu abastesimentu kombustivel prinsipalmente rezulta husi armazenandu no tratamentu kombustibel iha terenu. Impaktu sira bele afeta kualidade ar, kualidade be'e, propriedade rai nian, no/ka ambiente tasi nian tanba emisaun hosi produtu petrolíferu no/ka kimiku sira seluk, kombustivel asidentalmente nakfakar ou suli sai durante instalasaun no operasaun postu abastesimentu kombustivel. Atividade hirak ne'e mós bele iha impaktu sosio-ekonomiku. Preokupasaun prinsipál mak saúde no seguransa ba traballador, kliente no komunidade sira seluk, nebe mak bele diretamente ka indiretamente afetadu husi emisaun kona-ba material perigozus nebe liberadu/hasai husi kombustível líkuidu no risku ba ahi han no esplosaun iha estasaun kombustível

Potential Hazards and Risks ***Potensial Perigus no Risku***
Leak from underground storage tank *Suli husi rezervatoriu ba armazenagen kombustivel hakoi iha rai okos* Leak from above ground storage tank *Suli husi rezervatoriu ba armazenagen kombustivel iha rai leten*
Failure of tanks or pipework associated with corrosion or stress of metal parts *Faillansu husi tanki/rezervatoriu ba armazenagen kombustivel ou pipa nebe assosiadu ho korosaun ou presaun husi parte besi.*
Overfill (during bulk fuel unloading) which may cause uncontrolled vapor release *Excesu enximentu (durante deskarga kombustivel) nebe sei kauza liberasaun vapor nebe labele kontrola.*
Surface spillage during the vehicle tank refilling or dispensing fuel into unsuitable container *Nakfakar iha rai leten durante diskarga kombustivel (mina) ba iha tanki veikulu ou*

ense kombustivel ba kontentor nebe la apropriadu Leaks and spills associated with misuse or damage of dispensers *Suli no nakfakar assosiadu husi uza sala ou estraga bomba kombustivel*
Vehicular impacts *Impaktu husi veikular*
Fire/explosion *Ahi han/Esplosaun*

7. The mitigation measures that are proposed to moderate and alleviate the potential impacts, notably those resulted from accidental spillage or leakages of fuels are prescribed in the following table.

The monitoring programs involve (1) visual inspection which covers items, such as: oil separator, drainage, surface floor, lighting, dispenser, hoses, pipework and vent pipes, storage tanks and fill points, notices and signs, firefighting and emergency equipment; (2) Emergency response procedures; and (3) Traffic monitoring. These monitoring programs are designed to ensure the effectiveness of the mitigation measures proposed.

Medida mitigasaun hirak nebe mak propoin hela atu reduz no alivia impaktu potensial, espesialmente sira nebe rezulta hosi asidental nakfakar ka suli sai kombustível ne'e mak define iha tabela tuir mai.

Programa monitorizasaun ne'e envolve (1) inspesaun visual nebe kobre asuntu, hanesan: separador hidrokarbonetus, drenajen, terenu superficie no pavimentu, iluminasaun, bomba kombustivel, mangeiras, pipa no kanu ventilasaun, rezervatoriu ba armazenagen kombustivel no bokal ka valvula enximentu rezervatoriu ba armazenagen, avizu no sinais, ekipamentu bombeiros; (2) Prosedimentu Responde Emerjénsia; no (3) Monitorizasaun Tráfiku. Programa monitorizasaun ne'e dezeña atu bele garante efikásia ba medidas mitigasaun nebe propoin.

Atividades sira	Impaktu sira	Parametetru sura/ particular concerns	Asaun Preventiva	Asaun kontrola no Responde sira	Asaun koretiva sira
PRE-CONSTRUCTION					
• Preparasaun fatin (hamos fatin) • movimentu kareta • Uza mákina bo 'ot ba kompensasaun rai no exkavasaun • Produsaun Wastesno sunu	**Kualidade ár**	*Rai rahun (particulate matter) no suar/gas husi prosesu kombustaun nebe iha impaktu ba kualidade ár*	1. Rega fatin nebe rai rahun barak atu rai rahun labele suspende iha anin 2. Bou rai hamutuk didiak 3. Estabelese velosidade limitadu ba veíkulu sira ne' ebé halo operasaun iha área projetu laran no li 'ur no tenke instala temporariamente sinál velosidade iha projetu ne' e atu fó hanoin ba kondutór sira. 4. Hapara servisu wainhira anin makas 5. Halo manutensaun regular ba veíkulu ho ekipamentu sira atu evita emisaun ár 6. Hamenus veikulu sira ne 'e nia velosidade atu minimiza suar/ gás no rai-rahun suspende iha anin 7. Hamate tiha veikulu ho makinaria sira nian motor ne'ebe la persija halo moris 8. Halo inpesaun ba veíkulu nia kondisaun molok atu uza 9. Lixu sira labele sunu iha fatin projetu, maibe jere didiak no soe	1. Hapara atividade sira ne'ebé hamosu rai- rahun barak 2. Hapara uza veikulu no ekipamentu sira ne' ebé emiti gas barak 3. Hala'o manutensaun ba ekipamentu no veíkulu konstrusaun nian bainhira sira emiti suar barak 4. Hamoos fo'er no soe iha fatin ne'ebé dezignadu 5. Másimu supervizaun husi	1. Avalia fali medida preventiva sira ne'ebé eziste 2. Tau lutu hale'u fatin projetu atu kontrola rai-rahun labele namkari ba area hale'u projeto. Ida-ne'e bele sai hanesan asaun ida husi asaun koretiva atu izola rai-rahun labele namkari ba mai 3. upervizau

			iha fatin dezignadu 10. Tau sinál ba jere lixu didiak iha area projetu 11. Supervisaun másimu husi jerente projetu ba atividade sira	jerente projetu ba atividade sira	n másimu husi Jerente Projetu ba atividade sira

• Preparasaun fatin • Movimentu veikulu no eskavasaun • Uza makinaria bo'ot atu prepara fatin no eskavasaun • produsaun lixu no sunu lixu	**Traballadór sira nia saúdeno seguransa (OHS)**	*Rai rahun (particulate matter) no suar/gas husi prosesu kombustaun nebe iha impaktu ba kualidade ár*	1. Rega fatin nebe rai rahun barak atu rai rahun labele suspende iha anin 2. Bou rai hamutuk didiak 3. Estabelese velosidade limitadu ba veíkulu sira ne' ebé halo operasaun iha área projetu laran no li'ur no tenke instala temporariamente sinál velosidade iha projetu ne' e atu fó hanoin ba kondutór sira, 4. Hapara servisu wainhira anin makas 5. Prepara no fornese ekipamentu protesaun pesoál (PPE) no tenki haree didiak katak traballadór mak halo servisu 6. Halo manutensaun regular ba veíkulu no ekipamentu sira atu evita emiti suar ba anin 7. Traballadór sira labele hamirik besik iha makina motor ho veíkulu nebe mak la hamate 8. Hamate tiha veíkulu ho ekipamentus nia motor nebe mak la persija halo moris 9. Halo inpesaun ba veíkulu nia kondisaun molok atu uza 10. Labele sunu lixu iha área projetu, maibé jere didiak no soe	1. Hapara atividade sira ne'ebé hamosu rai-rahun barak 2. Hapara uza veíkulu no ekipamentu sira ne' ebé emiti gas barak 3. Hala'o manutensaun ba ekipamentu no veíkulu konstrusaun sira bainhira sira emiti gas barak liu 4. Hamoos fo'er no soe iha 5. Supervizaun másimu husi Jerente Projetu ba atividade sira	1. Avalia fali medida preventiva sira ne'ebé eziste no implementa rezultadu 2. Tau lutu hale'u fatin projetu atu kontrola rai-rahun labele namkari ba area hale'u projetu. Ida-ne'e bele sai hanesan asaun ida husi asaun koretiva atu izola rai-rahun labele namkari ba mai 3. Supervizaun másimu husi Jerente Projetu ba atividade sira

			iha fatin ne'ebé dezignadu 11. Sinál jestaun lixu ho diak tenke tau iha fatin projetu 12. Supervizaun másimu husi Jerente projetu baatividade sira		
• Prepar asaun fatin no Eskava saun		*Traballadór sira espoin ka servisu (habai' an) ba rai manas tebe*	1. Traballadór sira tenke ajusta sori nia isin ba rai manas to sira nia isin tonan ho manas 2. Labele ignora sintomas isin manas no kolega tamba loron rai manas 3. Fornese bee ba traballadór sira 4. Estabelese oráriu ba traballadór sira atu	1. Notifika supervizór kona-ba fatór risku pesoál 2. Trata traballadór sira ne'ebé sofre hosi rai manas 3. Evakua	1. Husik traballadór sira rekupera kompletamente molok atu hahu fali serbisu 2. halo kompensaun traballad

			deskansa no haree didiak traballadór sira servisu tuir oráriu 5. Fornese no haree didiak traballadór sira tenke uza PPE ne'ebé propriu 6. Tenki tau númeru kontaktu emerjénsia no hatudu iha área servisu nian 7. Supervizaun másimu husi Jerente Projetu baatividade sira	traballadór sira ne'ebé sofre hosi rai manas ba ospitál ka klinika ne'ebé besik liu ka bolu ambulánsia atu halo 4. Supervizaun másimu husi Jerente Projetu baatividade sira no traballadór sira ne'ebé moras	ór sira karik presiza 3. Avalia fali medida preventiva sira ne'ebé iha no implementa rezultadu 4. upervizaun másimu husi jerente projetu baatividade sira

• prepara fatin uja makina bo'ot • Movimentu veíkulu durante preparasaun fatin no eskavasaun		*Traballadór sira kanekrelasiona ho asidente (veíkulu, ekipamentu todan, nsst.)*	1. Permite deit kondutór sira ne'ebé iha esperiénsia atu lori kompañia nia veíkulu 2. Permite deit traballadór sira ne'ebé iha esperiénsia opera makinaria bo'ot 3. Prepara no fornese PPE ba traballadór sira no haree didiak traballadór sira uza PPE 4. Tenki haree didiak katak trabalador sira serve (fit) atu servisu saida deit 5. Rekruta traballadór sira ne'ebé iha saúde diak 6. Primeiru sokurru tenki tau iha fatin estratéjiku no fasil atu asesu 7. ne'ebé Dirije movimentu komunidade nian dook husi fatin projetu uza sinal nebe apropriadu 8. Fó serbisu ba traballadór sira bazeia ba sira nia abilidade no koñesimentu 9. Fó treinamentu kona-ba opera ekipamentu ho diak no seguransa prekausan opera ekipamentu 10. Tenki tau/fornese númeru kontaktu emerjensia iha servisu	1. Hapara serbisu temporáriu bainhira iha asidente ka insidente 2. Aplika primeiru sokurru atu trata traballadór sira ne'ebé kanek 3. Evakua traballadór ne'ebékanek todan ba ospitál ka klínika ne'ebé besik liu ka bolu ambulánsia ba asisténsia evakuasaun 4. upervizaun másimu husi jerente projetu ba atividade sira no traballadó	1. Husik traballadór sira rekupera kompletamente molok hahu fali servisu 2. ompensa Traballadór sira karik nesesariu 3. Avalia fali medida preventiva sira ne ' ebé eziste no implementa rezultadu 4. Supervizaun másimu husi jerente projetu kona-ba atividad

			fatin 11. Supervizaun másimu husi jerente Projetu ba atividade sira.	r sira ne'ebé kanek	e sira
• Uza mákina todan durante preparasaun fatin no eskavasaun		*Traballadór sira hetan asidente ka insidente relasiona ho servisu mekániku*	1. ne'ebé rekruta traballadór sira nebe iha experencia relasiona ho servisu 2. Traballadór sira tenke komprende perigu husi sasan mekániku 3. Tenke prevensaun halo kontaktu parte ekipamentu sira ne'ebé perigozu 4. Prepara no fornese PPE ba traballadór sira no haree didiak katak traballadór sira uza PPE 5. Asegura laiha objetu ruma ne'ebé monu ba parte movimentu ekipamentu nian	1. Hapara ervisu temporáriu bainhira traballadór sira hetan kanek 2. plika primeiru sokurru hodi trata traballadór sira ne'ebé la kanek sériu	1. Husik traballadór sira ne'ebé kanek rekupera kompletamente molok hahú servisu 2. Fó kompensasaun ba traballadór sira karik

			6. Primeiru sokurru tenke preparadu iha fatin projetu 7. Supervizaun másimu husi jerente projetu ba atividade sira	3. Evakua traballadór nebe kanek sériu ba ospitál ka klínika ne'ebé ka bolu ambulánsia atu halo evakuasaun 4. másimu supervizaun husi jerente projetu ba atividade no traballadór sira ne'ebé kanek	presiza 3. Avalia fali medida preventiva sira ne'ebé eziste no implementa rezultadu 4. Supervizaun másimu husi jerente projetu ba atividade sira
• Utilizasaun makinaria bot durante preparasaun fatin no eskavasaun		*Impaktu barullu ba Traballadór sira*	1. Fornese PPE ba traballador sira no sira tenki uza PPE 2. Ekipamentu mekánika ho lian ki'ik hili atu garantia lian labele makas liu standard 85dBA ne'ebé mak permite ne'ebé ne'ebé 3. Ekipamentu sira hotu tenki mantein ho adekuadu no iha kondisaun ne'ebé mak di'ak atu labele produs barullu ne'ebé makas 4. Kontrola barullu atu labele liu	1. Hapara servisu temporariamente se nia hamosu tarutu ne'ebé liu limite 2. Supervizaun másimu husi jerente projetu ba atividade	1. Avalia fali ba medidapreventiva sira ne'ebé eziste no implementa rezultadu 2. Supervizaun masimu husi jerente

			nia limitasaun 5. Supervizaun másimu husi jerente projetu ba atividade sira	sira	projetu ba atividade sira
• Movimentu veíkulu durante preparasaun fatin no eskavasaun • Prepasaun fatin • Uza mákinaria bo 'ot atu prepara fatin no ekavasaun • Produsaun lixuno sunu lixu	**Impaktu sosiál (saúde komunidade no seguransa)**	*Rai rahun (particulate mattera) no suar/gas husi prosesu kombustaun nebe iha impaktu ba komunidade*	1. Rega fatin nebe rai rahun barak atu rai rahun labele suspende iha anin 2. Bou rai hamutuk didiak 3. Estabelese velosidade limitadu ba veíkulu sira ne'ebé halo operasaun iha área projetu laran no li'ur no tenke instala temporariamente sinál velosidade iha projetu ne' e atu fó hanoin ba kondutór sira. 4. Hapara servisu wainhira anin makas 5. Prepara no fornese PPE ba komunidade haleu projetu se persija 6. Halo manutensaun regular ba veíkulu ho ekipamentu sira atu evita emisaun ár 7. Hamenus veíkulu sira nia velosidade atu minimiza suar/gas no rai-rahun suspende	1. Hapara serbisu temporáriamentu wainhira atividade kauza rai-rahun barak no bainhira iha keixa 2. Rejistu no rezolve keixa molok atu hahu fali serbisu 3. Hapara uza veíkulu no ekipamentu sira ne'ebé emiti gas barak 4. Hala'o	1. Avalia fali medida preventiva sira ne' ebé eziste no implementa rezultadu 2. Instala hale'u lutu ba fatin projetu atu kontrola rai-rahun labele namkari ba area sira hale'u projetu. Ida nee bele sai hanesan asaun ida husi asaun koretiva atu izola rai-rahun labele namkari. 3. Supervisaun másimu husi

			iha anin 8. Hamante tiha veíkulu ho makinaria sira nian motor ne'ebé la persija halo moris 9. Halo inpesaun ba veíkulu nia kondisaun molok atu uza 10. Lixu sira labele sunu iha fatin projetu, maibe jere didiak no soe iha fatin dezignadu 11. sinál ba jere lixu didiak iha area projetu 12. Supervisaun másimu husi jerente projetu ba atividade sira	manutensaun ba ekipamentu no veíkulu konstrusaun nian bainhira sira emiti suar barak 5. Kontaktu polisia wainhira iha konfrontasaun fíziku involve durante keixa 6. Hamoos fo'er no soe iha fatin ne'ebé dezignadu 7. másimu superviza un husi jerente projetu ba atividade sira	jerente projetu ba atividade sira

• Movimentu veíkulu sira iha área projetu nia laran no iha liur durante preparasaun fatin • Preparasaun fatin • Eskavasaun		*Engarrafamentu (Traffic Jam) no asidente trafiku (tráfiku jerál)*	1. Koordena movimentu veíkulu nian iha projetu laran no iha projetu nia liur atu hamenus risku no prevene konjestaun iha estrada besik projetu. 2. Projetu nain tenki hatene katak sofer sira tenki iha karta kondusaun nebe balidu, no wainhira atu rekruta sofer sira, projetu nain tenki rekruta sofer sira ne'ebé kompetete no iha experencia 3. Tenki instala sinál besik projetu atu informa tráfiku jeral 4. Dezigna pesoál atu halo los tráfiku durante movimentu veíkulu tama on sai husi fatin projetu no wainhira movimentu hatuka (obstruct) tráfiku liliu durante oras-ponta (peak hours), tráfiku local, tenki fo kontaktu polísia tránzitu 5. Hamenus númeru veíkulu konstrusaun ne'ebé sai husi fatin projetu durante oras-ponta (peak hours) 6. Marka ho klaru atu hafahe rota veíkulu no ema la'o ain, 7. Fornese zona seguransa dezignada ba kondutór sira	1. Kondutór tenke hapara veíkulu imediatamente se veíkulu kauza asidente ka insidente tráfiku 2. Atividade seluk tenke para temporariamente 3. Kondutór ka traballadór sira tenke halo kontaktu kedas ba númeru kontaktu emerjénsia relevante ba asisténsia 4. Kondutór sira tenke fó hatene kedasba jerente projetu 5. A	1. Fó kompensasaun ba vítima asidentál tráfiku bainhira presiza 2. Avalia fali medida preventiva sira ne'ebé eziste no implementa rezultadu 3. upervizaun másimu husi jerente projetu ba atividade

			atu hamriik bainhira hatun/hasa'e material, 8. Kondutór sira tenke tuir regra tránzitu ne'ebé estabelese 9. Kondutór la bele iha influénsia alkol wainhira opera kompañia nia veíkulu 10. Enkoraja kondutór sira atu la'o hare rota and planu atu fila kerta iha fatin projety haleu 11. Jere oras servisu no durasaun ba kondutór sira atu minimiza kole. 12. Estabelese limitasaun velosidade ba kondutór ne'ebé opera veíkulu sai husi área projetu nian, 13. Estabelese área estasionamentu iha area projetu liurne'ebé labele kauza engarrafamentu 14. Se karik projetu nia na'in uza nia veíkulu ba servisu konstrusaun, tenki tau material primeiru sokurru iha veíkulu laran. 15. Fornese número kontaktu emerjénsia iha veíkulu sira laran no fo hatene sofer sira kona ba número kontaktu	plika primeiru sokurru atu trata kanek ki 'ik 6. E vacua kanek todan ba hospitál ka klínika ka bolu ambulánsia ba asisténsia 7. Supervizaun másimu husi jerente projetu ba atividade	

			emerjénsia ne'e 16. Supervizaun másimu husi jerente projetu ba atividade		
• Movimentu veíkulu iha area projetu durante preparasaun terenu • Prepar asaun fatin no eskava saun		*Impaktu barullu no vibrasaun ba komunidade*	1. Tenki fo hatene viziñu sira kona-ba sira sebisu sira nebe mak sei produs lian makas 2. Serbisu ne'e tenke hala'o durante oras tomak entre 08: 00Am-5:00Pm, iha loron servisu nian deit 3. Ekipamentu mekánika ho lian ki'ik hili atu garantia lian labele makas liu standard 85dBA 4. ne'ebé ne'ebé ne'ebé Ekipamentu hirak ne' e atu mantein ho di 'ak no kontinua servisu di'ak hodi hamenus lian. 5. Uza tarutu ne'ebé ki'ik no ekipamentu vibrasaun 6. Supervizaun másimu husi jerente Projetu ba atividade	1. H apara serbisu temporáriu bainhira iha keixa husi komunidad e 2. R esolve keixa husi komunidad e ho maneira própriu 3. B olu polisia se iha konfrontu fíziku ne'ebé involve durante keixa 4. Supervizau n másimu husi jerente Projetu ba	1. Avalia fali medida preventiv a sira ne'ebé eziste 2. Superviza un másimu husi jerente projetu kona-ba

				atividade	
• Mina no lubrikante sira naksulin hosi makinaria pezadu bo'ot no veíkulu sira	Kualidade Rai, Kualidade bee(bee rai leten no bee rai-okos)	*Polusaun Rai, no be'e rai leten no rai okos*	1. Tenki halo inspesaun regular ba veíkulu konstrusaun no makinaria 2. Veíkulu konstrusaun and makinaria sira hotu thenki halo manutensaun ba atu evita mina naksulin. 3. Tenke hamoo mina no lubrikante ne'ebé nakfakar no naksulin uza prosidementu ne'ebé propriu no tenke soe iha fatin dezignadu 4. Fornese material báziku hamoos nian hanesan rai-henek ka tipu absorvente ruma 5. Supervizaun másimu husi jerente projetu ba atividade	1. T enki notifika jerente projetu bainhira iha ona veíkulu konstrusau n ka mákinaria mina naksulin 2. B ainhira Veíkulu konstrusau n ka makinaria nima naksulin tenke halo kedas manutensa	1. Halo remedisa un bainhira detetakon taminasa un 2. Aval ia fali ba medida preventiv a sira ne'ebé eziste no implemen ta rezultadu 3. upervizau n másimu husi jerente projetu ba

				un ba 3. n e'ebé HHamoos tiha mina ne'ebé nakfakar uza material hamoos basiku no soe iha fatin aproroiadu 4. Supervizaun másimuhusi jerente Projetu ba atividade	atividade
• Jestaun inadekuado durante ke'e rai no preparasaun fatin		*Polusaun Rai, no bee*	1. Instala estrutura retensaun sedimentu iha fatin projetu atu kapta sediment sira iha tempu udan 2. Limita movimentu veíkulu durante tempu udan 3. Supervizaun másimu husi jerente projetu ba atividade	1. S e sediment sira husi eskavasaun ho preparasaun fatin taka estrada, proponent tenki hamoos imidiatame nte 2. Supervizau n másimu husi jerente	1. Avalia fali ba medida preventiv a sira ne'ebé eziste no implemen ta rezultadu 2. Supervizau n másimu husi jerente projetu ba atividade sira

				projetu ba atividade sira	
• Preparasaun fatin	**Impaktu Ekolojia**	*Impaktu ba vejetasaunno animal*	1. Evita ko'a ai-hun sira ne'ebé la'ós iha área projetu nian no la interfere ho preparasaun fatin 2. Evita hasai du'ut sira ne'ebé la 'ós iha area projetu nian no la interfere ho preparasaun fatin 3. Evita oho animál ruma durante preparasaun 4. Supervizaun másimu husi jerente Projetu ba atividade sira		1. Kuda fali du'ut no ai-horis sira ne'ebé apropria du iha area projetu hafoin konstrusaun 2. Superviza un másimu husi jerente Projetu ba atividade sira

• Eskavasaun • preparasaun fatin	**Impaktu Geolojia**	*Distúrbiu rai nofatuk*	1. Uza ekipamentu eskavasaun ne'ebé apropriadu 2. Eskavasaun tenki iha de'it fatin dezignadu 3. Bainhira hetan minerál ruma, tenke notifka autoridade relevante 4. Tenki notifika autoridade relevante se kompañia planu atu ke 'e rai ka fatuk iha fatin seluk atu uza ba halo tetuk fatin projety 5. Tenki tau fatuk ka rai rezerva iha fatin nebe dezignadu 6. Hapara servisu bainhira udan boot 7. Supervizaun másimu husi jerente Projetu ba atividade sira	1. apara servisu temporáriu bainhira deskobre minerál duraten eskavasaun no notifika autoridade relevante 2. esume serbisu se investigasaun ida ba fatin ne' e hotu ona 3. Supervizaun másimu husi jerente Projetu ba atividade sira	1. Supervizaun másimu husi Jerente projetu ba atividade sira

	Impaktu ekonomia ho agricultura	*Impaktu ba atividade ekonomia no agricultura*	1. Husu lisensa husi rai-nain sira antes soe rai ka fatuk no material sira seluk ba sira rai laran 2. Evita soe rai no fatuk no material sira seluk ba komunidade nia rai laran 3. Tau sinál apropriadu iha ara projetu laran 4. Tenki jere lixu ho didiak no soe fatin dezignadu 5. Supervizaun másimu husi jerente projetu ba atividade sira.	1. Hapara serbisu temporáriu bainhira iha keixa 2. Rezolve keixa ho maneira própriu 3. Bolu polísia karik iha konfrontu fíziku ne'ebé envolve durante keixa 4. Hamoos fo'er no soe iha fatin dezignada 5. Supervizaun másimu husi jerente projetu ba atividade sira	1. Husik polisia investiga ema sira ne'ebé envolve iha konfrontu fíziku 2. Kompensas e presiza 3. Reasentamentu medida preventiva sira ne'ebé eziste no implementa rezultadu 4. Fo hanoin traballadór sira atu jere no soe fo'er iha fatin ne'ebé dezigna

					5. Superviz aun másimu husi jerente projetu ba atividade sira
CONSTRUSAUN					
• Movimentu veíkulu iha no sai husi fasilidade • Uza mákina bo'ot • Utilizasaun jeradór backup • Produsaun fo'er no sunu fo'er	**Qualidade Ar**	*Rai rahun (particulate mattera) no suar/gas husi prosesu kombustaun nebe iha impaktu ba kualidade ár*	1. Rega fatin nebe rai rahun barak atu rai rahun labele suspende iha anin 2. ne'ebé Reduz velosidade veíkulu hodi minimiza emisaun suar no rai-rahun husi suspende iha anin. 3. Rai, fatuk no sas fatukrahun sira tenke taka ho lona ka du 'ut-maran atu prevene rai-rahun. 4. Atu hapara servisu karik akontese anin-boot 5. Estabelese velosidade limitadu ba veíkulu sira ne'ebé halo operasaun iha área projetu laran no li'ur no tenke instala temporariamente sinál velosidade iha projetu ne' e atu fó hanoin ba kondutór sira. 6. Tenke fase veíkulu sira atu hasai rai-rahun husi veíkulu nia isin lolon no roda sira molok sia husi fatin kontrusaun. 7. Halo manutensaun regular ba veíkulu konstrusaun no	1. Ha para servisu temporáriu se servisu hamosu rai-rahun barak 2. Ha para uza veíkulu no ekipamentu sira ne'ebé emiti suar barak 3. ne' ebé Hamoos fo'er no soe iha fatin dezignada 4. S upervizaun másimu husi jerente	1. Avalia fali medida preventiv a sira ne'ebé eziste 2. Hala'o manutens aun ba ekipamen tu no veíkulu konstrusa un sira bainhira sira emit suar barak 3. Tau lutu hale'u fatin projetu

			ekipamentu sira atu evita emisaun suar ba anin 8. Hamate tiha veíkulu ho makinaria sira nian motor ne'ebé la persija halo moris 9. Labele sunu fo'er iha área projetu nian, maibéjere no soe iha fatin dezignadu 10. Sinál jere fo'er ho diak tenke tau iha fatin projetunian 11. Supervizaun másimu husi jerente projetu ba atividade sira	projetu ba atividade sira	atu kontrola rai-rahun la namkari. Asaun ida ne ' e bele sai hanesan asaun koretiva ida atu izola rai-rahun la namkarik 4. Medida nesesariu presiza tau ona antes atu hala'o fali atividade sira konstrusaun sira 5. Supervizaun másimu husi jerente projetu ba atividade sira

• movimentu veíkulu iha fasilidae laran no sai husi fasilidade • Uza makinar kahus simentu • Uza mákina pezadu • Uza jeradór back-up • Produsaun lixu no sunu lixu	**Trabalhadór sira nia saúdeno seguransa (OHS)**	*Rai rahun (particulate mattera) no suar/gas husi prosesu kombustaun nebe iha impaktu trabalhadór sira*	1. Rega fatin nebe rai rahun barak atu rai rahun labele suspende iha anin 2. Bou rai husi eskavasaun ho diak 3. Estabelese velosidade limitadu ba veíkulu sira ne'ebé halo operasaun iha área projetu laran no li'ur no tenke instala temporariamente sinál velosidade iha projetu area atu fó hanoin ba kondutór sira 4. Para servisu wainhira anin makas 5. Prepara no fornese PPE ba trabalhadór sira no sira tenki uza 6. Halo manutensaun regular ba veíkulu konstrusaun no ekipamentu sira atu evita emisaun suar ba anin 7. Hamate tiha veíkulu ho makinaria sira nian motor ne'ebé la persija halo moris 8. Halo inspesaun ba veíkulu no makinari sira nia kondisaun molok atu uza 9. Labele sunu fo'er iha área projetu nian, maibé jere no soe iha fatin dezignadu 10. Sinál jere fo'er ho diak tenke tau iha fatin projetu nian 11. Supervizaun másimu husi jerente projetu ba atividade sira	1. Hapara servisu temporáriu se servisu hamosu rai-rahun barak 2. Hapara uza veíkulu no ekipamentu sira ne'ebé emiti suar barak 3. Halo manutensaun ba ekipamentu ko veíkulu konstrusaun sira ati sira labele emiti suar barak 4. Hamoos fo'er no soe iha fatin dezignada 5. Supervizaun másimu husi jerente projetu ba atividade sira	1. Avalia fali medida preventiva sira ne'ebé eziste 2. Tau lutu hale'u fatin projetu atu kontrola rai-rahun la namkari. Asaun ida ne ' e bele sai hanesan asaun koretiva ida atu izola rai-rahun la namkarik 3. Medida nesesariu presiza tau ona antes atu hala'o fali atividade sira

					konstrusaun sira 4. Supervizaun másimu husi jerente projetu ba atividade sira
• Konstrusaun		*Insidente ka asidente relasiona ho elektriku*	1. Ema profisionál no esperiensia deit mak bele instala sistema eletrisidade 2. Tenki uza PPE nebe propriu wainhira instala sistema eletricidade 3. Instala deit kabu (fiu) nebe espesifika ba sistema eletrisidade 4. Halo inspesaun ba kabu (fiu) ba ekipamentu molok atu uza 5. Uza pratika ne'ebé seguru iha kualker tempu wainhira uza ekipamentu eletriku 6. Minimiza poténsia bee ka kimiku fakar ba ka besik	1. Ha para atividade temporariamente bainhira iha asidente relasiona ho eletrisidade 2. Trata traballadór sira nebe mak sofre ki'ik husi eletrokusau	1. Material primeiru sekurru tenki disponivel iha fatin projetu 2. Husik traballadór sirane'ebé rekupera hotu molok hala'o hikas fali sira-nia

			ekipamentu eletrisidade. 7. Uza deit ekipamentu eletriku ne' ebe apropriadu 8. Ekipamentu primeiru sokurrutenke disponivel iha fatin projetu 9. Superviziona husi jerente projetu ba atividade sira	n 3. Evakua traballadór sira ne'ebé sofre makas husu eletrokusaun ba ospitál ka klinika ne'ebé besik liu ka kontaktu númeru emerjénsia ba asistensia evakuasaun 4. Instalasaun sistema elétriku tenke instala husi ema kompetente 5. Supervizaun másimu husi jerente projetuba atividade sira	servisu 3. Kompensa traballadór sira karik presiza 4. Halo rejistu loloos no tau iha fasilidade ba objetivua uditoria 5. Avalia fali medida preventiva sira ne'ebé iha no implementa rezultadu 6. Medida mitigasaun important sira tenki iha ona molok atu hala 'o fali servisu 7. Supervizaun ba

					atividade konstrusaun másimu husi jerente projetu ba atividade sira

		Serbisu iha loron manas okos	1. Traballadór sira tenke ajusta sira nia isin ba rai manas to sira nia isin tonan ho manas 2. Estabelese oráriu ba traballadór sira atu deskansa no haree didiak traballadór sira servisu tuir oráriu 3. Labele ignora sintomas isin manas no kolega tamba loron rai manas 4. ne'ebé Uza PPE ne'ebé propriu 5. Tenke fornese bee iha fatin servisu ba traballadór 6. másimu supervizaun husijerente projetu ba atividade sira	1. otifika supervizór kona-ba fatór risku pesoál 2. rata traballadór sira ne'ebé sofre hosi rai manas 3. vakua traballadór sira ne'ebé sofre hosi rai manas ba ospitál ka klinika ne'ebé besik liu ka bolu ambulánsia atu halo evakuasaun 4. upervizaun másimu husi jerente Projetu ba atividade sira	1. Husik traballadór sirarekupera kompletamente molok atu hahu fali servisu 2. Halo kompensaun traballadór 3. Halo rejistu loloos no tau ihafasilidade ba objetivu auditoria 4. Avalia fali medida preventiva sira ne'ebé iha no implementa rezultadu 5. Medida mitigasaun important sira tenki iha ona molok atu hala'o fali servisu 6. Su

					pervizaun másimu husi jerente projetu ba atividade sira
		asidente ka insidente relasiona ho instalasaun komponente sira (armazenajen rai okos,kanopy, illa bomba, kanu, moru/lutu, eskritóriu no seluk tan.)	1. Jerente projetu tenki garante katak traballadór hotu-hotu adekuadu antes de hala 'o servisu 2. Instalasaun no konstrusaun ba komponente instalasaun tenki hala' o husi traballadór sira ne'ebé profisional no iha esperensia. Informasaun (CV) kona-ba funsionáriu sira atu halo instalasaun ekipamentu esensiál sira hanesan tanke, bomba, sistema pipa no dispenser kombustivel tenki submete ba ANPM molok hahú konstrusaun.	1. H apara servisu temporáriu bainhira iha asidentu sériu ka insidente 2. T raballadór sertifikadu deit mak bele aplika	1. Husik traballadór sira rekupera kompletamente molok atu hahu fali servisu 2. Halo kompensaun traballadó

			3. Traballadór sira tenke uza PPE propriu no jerente projetu tenki haree didiak kontraktor, konsultór no traballadór hotu-hotu tenke uza ekipamentu protesaun pesoál apropriadu (PPE) iha fatinprojetu. 4. Material primeiru sokurru tenki disponivel iha servisu fatin 5. Fatin konstrusaun nian tenke tua haleu lutu atu bandu ema asesu ba fatin konstrusaun no tenke kontrola ho rigorozu. 6. Tenki marka klaru ba fatin sira nebe halo eskavasaun ba fatin sira nebe la taka 7. Sinál saúde no seguransa ne'ebé apropriadu tenke tau iha fatin projetu. 8. Numeru kontaktu emerjénsia tenki tau iha fatin projetu no trabalhador konstrusaun tenki hatene konaba ida ne'e 9. Vizitante hotu-hotu tenki relata ba fatin servisu. 10. Sinais ba zona perigu sira tenke tau iha fatin projetu 11. Barrikade Zona perigu sira 12. Supervizaun másimu husi jerente projetu ba atividade sira	primeiru sokurru ba traballadór sira nebe mak kanek la todan 3. E vakua traballadór sira ne'ebé kanek todan ba ospitál ka klinika ne'ebé besik liu ka kontaktu númeru emerjensia ba evakuasaun 4. Su pervizaun másimu husi jerente projetu ba atividade sira	r sira karik presiza 3. Halo rejistu loloos no tau iha fasilidade ba objetivu auditoria 4. Avalia fali medida preventiv a sira ne'ebé iha r 5. Medida mitigasau n important sira tenki iha ona molok atu hala 'o fali servisu 6. Supervizau n másimu husi jerente projetu ba atividade sira

		Asidente ka insidente iha relasaun ho servisu iha fatin klot (*Confined space)*	1. Kompañia tenki estabelese prosedimentu servisu tama ba fatin klot (confined space) nebe propriu no tenki disponivle iha kkualker tempu 2. Servisu ne'ebe iha relasaun fatin klot (confine space) tenke tuir prosedimentu ne'ebe estabelese ona 3. Traballadór nebe iha ona sertifikadu deit mak bele servisu iha fatin klot (confined space) 4. Tenki uza ekipamentu protesaun nebe pripriu wainhira halo servisu iha fatin klot (confined space) 5. Tenki servisu iha ekipa nebe konstitui husi ema nain rua ka liu 6. Supervizaun másimu liu husi jerente projetu ba atividade sira	1. Hapara servisu temporáriu bainhira iha asidentu sériu ka insidente 2. Hasai traballadór sira ne'ebé kanek husi fatin klot (confined space)ne'ebé 3. Aplika primeiru ajuda hodi halo tratamentu ba kanek la grave 4. Evakua traballadór sira ne'ebé kanek todan ba ospitál ka klinika ne'ebé besik liu ka call ambulansi	1. Husik traballadór sira rekupera kompletamente molok atu hahu fali servisu 2. Halo dokumentasaun ne'ebé propriu ba insidente, no resultadu investigasaun no dokumentasaun tenki submete ba ANPM 3. Halo kompensaun ba traballadór sira karik presiza 4. Avalia fali medida preventiva sira

				a 5. Supervizaun másimu liu husi jerente projetu ba atividade sira.	ne'ebé iha no implementa rezultadu 5. Medida mitigasaun important sira tenki iha ona molok atu hala 'o fali servisu 6. Supervizaun másimu husi jerente projetu ba atividade sira
• Movimentu veíkulu tama no sai husi fatin projetu • Servisu ho mákinaria bo 'ot • Servisu iha fatin ass		*Risku atu kanek relasiona ho asidente (veíkulu, ekipamentu makinaria, servisu iha fatin aas*	1. ne'ebé Kondutor esperensia sira deit mak bele opera kompañia nia veíkulu 2. traballadór esperensia sira deit mak bele opera makinariane'ebé 3. Instala sinais trafiku apropriadu iha projetu nia area no iha area projetu nia liur 4. Foorientasaun seguransa ba traballadór sira 5. Fornese material primeiru	1. Hapara servisu temporáriu bainhira iha asidentu sériu ka insidente 2. Hasai traballadór sira ne'ebé	1. Husik traballadór sira rekupera kompletamente molok atu hahu fali servisu 2. Halo dokumentasaun ne'ebé

			sokurru iha fatin projetu 6. Halao enkontru seguransa ne'ebé bebeik 7. Uza PPE ne'ebé própriu ba servisu iha fatin ne'ebé aas 8. Uza opsaun ne'ebé nia risku menus 9. Organiza servisu atu hamenus risku. 10. Prevene asesu ba zona perigozu sira. 11. Iha kualker tempu traballadór sira tenke haree didiak wainhira traballadór sira iha uma-kakuluk no aldame, medida prevensaun kontra falénsia tenki iha ona. 12. Halo prevene ba objetu sira ne'ebé monu 13. Halo avaliasaun risku propriu molok hala 'o servisu espesífiku iha fatin a'as 14. másimu supervizaun husi jerente projetu ba atividade sira	kanek 3. A plika primeiru ajuda hodi halo tratamentu ba kanek la grave 4. E vakua traballadór sira ne'ebé kanek odan ba ospitál ka klinika ne'ebé besik liu ka call ambulansia ba asistensia evakuasaun 5. N otifika ANPM konaba asidente 6. S upervizaun másimu liu husi jerente projetu ba atividade sira.	propriu ba insidente, no resultadu investigasaun no dokumentasaun tenki submete ba ANPM 3. Halo kompensaun ba traballadór sira karik presiza 4. Avalia fali medida preventiva sira ne'ebé ihano implementa rezultadu 5. Medida mitigasaun important sira tenki iha ona molok atu

					hala 'o fali servisu 6. Supervizaun másimu husi jerente projetu ba atividade sira
• Soldajen • Instalasaun ba komponente projetu • Manutensaun ba veíkulu no mákina bo'ot		*asidnete ka insidente relasiona ho servisu mekaniku*	1. Rekruta ema ne'ebé ho esperiénsia no koñesimentu servisu ne'ebé iha relasaun ho servisu atu nune 'e sira bele hatene perigu no 2. risku ne'ebé asosiadu 3. PPE tenke uza roupa molok hahú servisu 4. Prevene órgaun atu kontakta parte sira ne'ebé iha risku 5. Asegura la bele monu ba parte sira ne'ebé muda sasán 6. Primeiru kit apoiu nian tenke disponivel iha fatin 7. Halo avaliasaun risku propriu molok hala ' o servisu espesífiku ruma ho másimu 8. Fiskalizasaun liu husi jerente projetu nian kona-ba atividade	1. H apara servisu temporáriu bainhira iha asidentu sériu ka insidente 2. H asai traballadór sira ne'ebé kanek 3. A plika primeiru ajuda hodi halo tratamentu ba kanek la grave 4. E vakua traballadór sira ne'ebé kanek odan ba ospitál ka klinika ne'ebé besik liu ka call	1. Investiga saida mak kauza insendiu ka esplozaun 2. Husik traballadór sira rekupera kompletamente molok atu hahu fali servisu 3. Halo dokumentasaun ne'ebé propriu ba insidente, no resultadu investigasaun no dokumentasaun tenki submete ba ANPM

				ambulansia ba asistensia evakuasaun 5. Notifika ANPM konaba asidente 6. Supervizaun másimu liu husi jerente projetu ba atividade sira.	4. Halo kompensaun ba traballadór sira karik presiza 5. Avalia fali medida preventiva sira ne'ebé iha no implementa rezultadu 6. Medida mitigasaun important sira tenki iha ona molok atu hala 'o fali servisu 7. Superviza un másimu husi jerente projetu ba atividade sira

• Soldajen • Instalasaun eletrisidade • Kombustivle naksulin husi veíkulu no mákina pezadu		*Impaktu hosi insendiu (ahi) ka/no esplozaun iha fatin projetu ba traballadór sira*	1. Rekruta ema ho kuñesimentu no esperiensia servisu relasiona ho soldajenno instala sistema eletrisidade atu nune'e sira bele komprende perigu konaba ahi no risku asosiadu sira 2. Halo avaliasaun ba risku molok hala'o solda no hala'o servisu ne'ebé iha relasaun ho eletrisidade 3. Verifika fatin/area haleu molok solda 4. Tau material impflamavel sira do'ok husi area soldajen 5. Pratika hamoos servisu fatin depois de sebisu 6. Kombustivel sirane'ebé naksulin husi veíkulu ka mákina pezadu tenke hamoos kedas molok hala 'o atividade sira 7. Estabelese prosedimentu emerjensia h otenki halo traballadór sira kumpriende didiak. 8. Fornese número kontaktu emerjénsia iha area projetu no halo traballadór sira hatene kona-ba ida ne 'e 9. Halo inspesaun rutina ba dalan (rota) hasai sai no segugransa sinal insendiu (ahi) 10. Sempre tau besik estintór besik iha area projetui ne'ebé besik 11. Fornese permeiru sokurru nia	1. Hapara servisu temporariamentu bainhira iha insendiu iha area projetu and hamate tiha ahi uza estintór 2. Se ahi labele kontrolu ona, liga ho departamentu bombeiru ba asisténsia 3. Evacuate traballadór sira iha area projetu 4. Trata traballadór sira ne'ebé la hetan kanek todan 5. Kontaku número emerjénsia atu evakua traballadór sira ne'ebé kanek todan ne'e ba ospitál ka klínika	1. Investiga saida mak kauza insendiu ka esplozaun 2. Husik traballadór sira rekupera kompletamente molok atu hahu fali servisu 3. Halo dokumentasaun ne'ebé propriu ba insidente, no resultadu investigasaun no dokumentasaun tenki submete ba ANPM 4. Halo

			material 12. Pesoal hotu-hotu tenke hatais PPE ne'ebé propriu 13. supervizaun másimu husi jerente projetu nian kona-ba atividade	ne'ebé besik, 6. Notifika ANPM kona-ba asidente ne'e. 7. Superviza un másimu husi jerente Projetu ba asidente ka insidente	kompensaun ba traballadór sira karik presiza 5. Avalia fali medida preventiva sira ne'ebé iha 6. Medida mitigasaun important sira tenki iha ona molok atuhala 'o fali servisu 7. Supervizaun másimu husi jerente projetu ba atividade sira

• Movimentu veíkulu iha no sai husi área projetu • Movimentu no uzu makinaria pezadu • Eskavasaun		*Impaktu barullu novibrasaun ba trabalhador*	1. Fornese PPE apropriadu ba traballadór sira no sira tenki uza PPE 2. Uza makinaria sira nebe mak produse barullu no vibrasaun neneik 3. Halo orária deskansa nian ho lolos 4. Ekipamentu mekánika ho lian ki'ik hili atu garantia lian labele makas liu standard 85dBA ne'ebé mak permite ne'ebé ne'ebé 5. Ekipamentu sira hotu tenki mantein ho adekuadu no iha kondisaun ne'ebé mak di 'ak atu labele produs barullu ne'ebé makas 6. Supervizaun másimu husi jerente projetu ba atividade sira	1. Se barullu no vibrasaun boot liu standard ba barullu no vibration, hapara atividade temporariamente 2. Verifika fali ekipamentu no halo manutensaun ba se persiza. 3. Supervizaun másimu husi jerente Projetu ba atividade sira	1. Halo dokumentasaun ne'ebé propriu, no disponivel iha projetu fatin 2. Avalia fali medida preventiva sira ne'ebé iha no implementa rezultadu 3. Medida mitigasaun importante sira tenki iha ona molok atu hala 'o fali servisu 4. Superviza un másimu husi jerente projetu ba atividade

					sira
• Movimentu veíkulu tama no sai husi fasilidade • Uza makina kaor simenti • Uza mákina bo 'ot • Uza jeradór backup • Produsaun lixu no sunu lixu	**Impaktu ba social (komunidade nia saúde no seguransa**	*Rai rahun (particulate mattera) no suar/gas husi prosesu kombustaun nia impaktu ba komunidade*	1. Rega fatin nebe rai rahun barak atu rai rahun labele suspende iha anin 2. Rai, fatuk no sas fatukrahun sira tenke taka ho lona ka du 'ut-maran atu prevene rai-rahun 3. Estabelese velosidade limitadu ba veíkulu sira ne'ebé halo operasaun iha área projetu laran no li'ur no tenke instala temporariamente sinál velosidade iha projetu ne' e atu fó hanoin ba kondutór sira 4. Tenke fase veíkulu sira atu hasai rai-rahun husi veíkulu nia isin lolon no roda sira molok sia husi fatin kontrusaun 5. Halo manutensaun regular ba veíkulu konstrusaun, ekipamentu no jeradór backup	1. H apara serbisu temporáriu se atividade produs rai-rahun barak no bainhira iha keixa 2. R ejistu no rezolve keixa molok atu hahu fali servisu 3. H apara uza veíkulu no makinaria ne'ebé emiti suar barak 4. B	1. H usik polisia investiga ema sira ne'ebé envolve iha konfrontu fíziku 2. K uda hikar ai-horis ka du' ut hafoin konstrusa un iha fatin ne'ebé apropriad u n o dezignada

			sira atu evita emite suar 6. Hamate tiha veíkulu ho makinaria sira nian motor ne'ebé la persija halo moris 7. Para uza veíkulu, makinaria no jerador rezerva sira nebe mak emiti suar 8. Labele sunu lixu, maibe jere halo didiak no soe iha fatin dezignadu 9. Sinál jere fo'er ho diak tenke tau iha area projetu 10. Makina supervizaun husi jerente projetu ba atividade sira iha area ne 'e.	olu polísia karik konfrontu fíziku involve durante keixa 5. H amoos lixu no soe iha fatin ne'ebé dezignadu 6. Supervizau n másimu liu husi jerente projetu ba atividade sira.	3. H ala'o manutens aun ba ekipamen tuno veíkulu sira bainhira sira emiti suar barak 4. A valia fali medida preventiv a sira ne'ebé iha no implemen ta rezultadu 5. H alo lutu hale'u fatin projetu atu kontrola rai-rahun labele namkari. Ida nee bele sai hanesan

					asaun ida husi asaun koretiva atu izola rai-rahun labele namkari. 6. Medida mitigasaun importante sira tenki iha ona molok atu hala 'o fali servisu 7. Supervizaun másimu liu husi jerente projetu ba atividade sira..

• Movimentu ve”ikulu iha no sai husi area projetu • Movimente ema iha area projetu liur		*Engarrafamentu (Traffic Jam) no asidente trafiku (tráfiku jerál)*	1. Koordena movimentu veíkulu nian iha projetu laran no iha projetu nia liur atu hamenus risku no prevene konjestaun iha estrada besik projetu. 2. Projetu nain tenki hatene katak sofer sira tenki iha karta kondusaun nebe balidu, no wainhira atu rekruta sofer sira, projetu nain tenki rekruta sofer sira ne’ebé kompentete no iha experencia 3. Tenki instala sinál besik projetu atu informa tráfiku jeral 4. Dezigna pesoál atu halo los tráfiku durante movimentu veíkulu tama on sai husi fatin projetu no wainhira movimentu hatuka (*obstruct)* tráfiku liliu durante oras-ponta (*peak hours*), tráfiku local, tenki fo kontaktu polísia tránzitu 5. Hamenus númeru veíkulu konstrusaun ne’ebé sai husi fatin projetu durante oras-ponta (*peak hours*) 6. Marka ho klaru atu hafahe rota veíkulu no ema la’o ain, 7. Hatun material tenke halo iha area projetu laran 8. Estabelese veíkulu nia para fatin iha projetu nia liur labele kauza engarrafamentu (*traffic jam*)	1. Kondutór tenke hapara veíkulu imediatamente se veíkulu kauza asidente ka insidente tráfiku 2. Atividade seluk tenke para temporariamente 3. Kondutór ka traballadór sira tenke halo kontaktu kedas ba númeru kontaktu emerjénsia relevante ba asisténsia 4. Kondutór sira tenke fó hatene kedasba jerente	1. Husik polisia investiga asidenti 2. Halo dokumentasaun ba insidente no asidenten no rezultadu husi investigasaun no halo dokumentasaun ne’e disponivel ba ANPM 3. Halo kompensasaun se nesesariu 4. Medida mitigasaun importante sira tenki iha ona molok atu hala 'o fali servisu 5. Avalia fali

			9. Kondutór sira tenke tuir regra no sináis tránzitune'ebé estabelese iha estrada 10. Kondutór labele sujeita ba influensia alkolbainhira lori veíkulu kompañia 11. Jere oras servisu no durasaun ba kondutór sira atu minimiza kolen. 12. Haree ho didiak vizitanten sira tenki aprezenta an ba kantor nebe iha area projetu 13. Halo sináis avizu no tau iha portaun entrada sira no sai husi fatin projetu. 14. Estabelese velosidade minimum ba kondutór ne'ebé sailor veíkulu sai husi área projetu nian. 15. Oras hatun material halo iha tempu nebe movementu ema no veíkulu labarak atu evita ema besik faitn hatun material 16. Supervizaun másimu husi jerente Projetu ba atividade sira	projetu 5. Aplika primeiru sokurru atu trata kanek ki 'ik 6. Evacua te kanek todan ba ospitál ka klínika ka bolu ambulánsia ba asisténsia 7. S upervizaun másimu husi jerente projetu ba atividade	medida preventiv a sira ne'ebé iha no implemen ta rezultadu 6. másimu supervizau n husi jerente projetu nian ba movimentu veíkulu sira halo perasaun sai husi area projetu
• Movimentu veíkulu iha no sai husi fatin projetu • Servisu ho mákina bo'ot • Konstrusaun ba komponente sira projetu		*Impaktu barullu no vibrasaun ba komunidade*	1. Komunidade sira ne'ebé besik fatin projetu nian tenke notifika kona-ba projetu ne'e no impaktu sira ne'ebé relasiona ho projetu ne'e 2. tenki halo servisu duratne oras servisu nian deit, komesa husi tuku 08:00 am – 5:00 pm, durante loron sebisu deit	1. Ha para atividade temporaria mente bainhira iha keixa 2. Re solve keixa husi	1. A valia fali medida preventiv a sira ne'ebé iha no implemen ta rezultadu

nian			3. Ekipamentu mekánika ho lian ki'ik hili atu garantia lian labele makas liu standard 85dBA 4. ne'ebé ne'ebé ne'ebé Halo manutensaun ba ekipamentu hotu no tenki kontinua iha kondisaun ne'ebé diak atu minimiza barullu 5. Izola fontes vibrasaun mekanikamentu atu redus espozisaun 6. Tenke mantein ekipamentu iha kondisaun ne'ebé diakatu redus vibrasaun ne'ebé maksa 7. Halo inspesaun no manutensaun ba mákina regularmente atu identifika estragu sira ne'ebé bele aumenta vibrasaun. 8. Halo tuir instrusaun fabrika hodi uza no halo manutensaun. 9. Uza instrumentu nebe mak kualidade diak, vibrasaun nebe mak ki'ik 10. Supervizaun másimu husi jerente Projetu ba atividade sira	komunidade ho maneira própriu 3. Bolu polísia karik iha konfrontasaun físiku ne'ebé involve durante keixa 4. Hala'o monitorizasaun ba ekipamentu ne'ebé aprezenta risku vibrasaun 5. Supervizaun Maximum husi jerente projetu ba atividade sira	2. Medida mitigasaun importante sira tenki iha ona molok atu hala 'o fali servisu 3. Supervizaun másimu husi jerente projetu ba atividade sira

• Soldajen • Mina naksulin husi veíkulu • Electrical work		*Impaktu husi insendiu (ahi han) ka/no esplozaun ba komunidade*	1. Rekruta ema ho kuñesimentu no esperiensia servisu relasiona ho soldajenno instala sistema eletrisidade atu nune'e sira bele komprende perigu konaba ahi no risku asosiadu sira 2. Halo avaliasaun ba risku molok hala'o solda no hala'o servisu ne'ebé iha relasaun ho eletrisidade 3. Verifika fatin/area haleu molok komesa solda no tau dook material imfalmavel sira husi area soldadjen 4. Prátika hamoos depois de servisu and se iha mina nebe mak naksulin husi veíkulu no makinaria bo'ot, tenke homoos kedas molok haloa atividade seluk 5. Estabelese prosedimentu emerjénsia no tenki hatene katak traballadór sira komprende di 'ak. 6. Tenki notifka vizinu sira konaba servisu nia relasaun ho insendiu 7. Dezenvolve prosedimentu keixa atu asegura rezolusaun keixa ho justu no lalais ba problema sira ne'ebé mosu husi projetu. 8. Mantein dokumentasaun kompletu kona-ba kada keixa no	1. H apara servisu temporaria mentu bainhira iha insendiu 2. U za estintor ne'e propriu bainhira iha insendiu iha area projetu 3. K ontaku númeru emerjénsia ba asistensia bainhira iha insendiu nebe mak la kontroladu molok ahi han ba komunidad e nia uma ho fasilidades sira, 4. E vaku komunidad e sira iha area batin	1. I nvestiga saida mak kauza insendiu ka esplozaun 2. H alo kompnesa saun se karik presiza 3. M antein dokument asaun kompletu kona-ba kada keixa no prosesu rezolusau n no r ezultadu asosiadu ba relatóriu transpare nte, relatóriu

			prosesu asosiadu no rezultadu ba transparante no relatoriu esternal 9. Halo inspesaun rutina ba rota halai sees no sináis seguransa insendiu nian 10. Sempre tau besik estintor no tenki halo traballadór sira hatene katak iha estintor nia prezensa iha neba 11. Fornese númeru kontaktu emerjénsia iha area projetuno halo traballadór sira hatene kona-ba ida ne'e 12. Fornese Primeiru sekurru nian material 13. Pesoal hotu-hotu tenke uza PPE nebe mak propriu 14. Maximum supervizaun husi jerente projetu kona- ba atividade sira	nebe mak seguru 5. T rata traballadór sira ne'ebé la hetan kanek todan 6. E vakua traballadór sira nebe mak kanek todan ba ospital/kilinka nebe mak besik ka kontaktu numeru emerzensia ba asistensia evakuasaun 7. N otifika ANPM kona-ba asidente. 8. Supervizaun másimu husi jerente Projetu ba asidente ka insidente	esternal. 4. S upervizaun másimu husi jerente Projetu ba atividade sira

• Mina no lubri kantes naksulin veíkulus no makinaria nebe mak halo movimentu	**Kualidade Rai, Kualidade bee (bee rai leten no bee rai-okos)**	*Polusaun ba rai, bee rai leten no be rai okos tamba mina naksulin*	1. Halo inspesaun regulár ba veíkulu konstrusaun no makinaria bo'ot sira 2. Veíkulu konstrusaun no makinaria bo'ot sira hotu tenki mantein atu prevene mina naksulin 3. Mina ne'ebé mak fakar ka sulin asintadál (hanesan mina and lubrikante) tenki hamoos lalais uza prosedimentu no ekipamentu neb'ebé mak propriu no soe iha fatin dezignadu 4. Fornese material báziku hanesan rai-henek, ai- rahun maran ka material báziku sira seluk 5. másimu supervizaun hosi jerente projetu ba atividade sira	1. Tenke notifika jerente projetu bainhira veíkulu ka makinaria bo'ot sirania mina naksulin 2. Hamoos área 3. Kontamin adu uza material hamoos nian ne'ebé apropriad u no notifika autoridad e ambientál ba kualkér kontamina saun 4. Soe lixu iha fatinne'eb é apropriad u 5. Superviza	1. Hal o dokume ntasaun ne'ebé loloos no disponiv el iha fatin projetu 2. Veí kulu konstrus aun ka makinari a bo'ot sira ne'ebé mak naksulin tenki halo manuten saun ba bainhira deteta no labele utiliza bainhira seidauk halo manunte nsaun ba 3. Ten ki halo remedia

				un másimu husi jerente projetu ba atividade sira.	saun bainhira deteta kontaminasaun 4. Medida mitigasaun importante sira tenki iha ona molok atu hala'o fali servisu 5. Supervizaun másimu husi jerente projetu ba atividade sira.

• Jestaun ne'ebé ladiak ba fatin konstrusaun		*Polusaun ba rai, bee rai leten no be rai okos tamba mina no lubrikanbe naksulin*	1. Monta estrutura retensaun sedimentu iha fatin projetu atu kapta sedimentos iha tempu udan 2. Limita movimentu veíkulu durante loron udan 3. Evita servisu durante udan 4. Másimu supervizaun hosi jerente projetu ba atividade sira	1. Se sedimentu husi eskavasaun no preparasaun fatin taka estrada publku, proponent tenki hamoos imidiatamente 2. Másimu supervizaun hosi jerente projetu ba atividade sira	1. Avalia fali medida preventiva sira ne'ebé iha no implementa rezultadu 2. Medida mitigasaun importante sira tenki iha ona molok atu hala 'o fali servisu 3. Másimu supervizaun hosi jerente projetu ba atividade sira
Atividade konstrusaun	**Impaktu ekolojiku**	*Impaktu ba vegetation no animal*	Bele iha impaktu negativu ki'ik ka zero hosikonstrusaun projetu ba ai-horis no balada sira		

• Atividade konstrusaun • Produsaun lixu	**Impaktu ba Ekonomiku no Agricultura**	*Impaktu ba atividade ekonómika no agrikultura*	1. Husu lisensa husi rai-nain sira antes soe rai ka fatuk no material sira seluk ba sira nian rai 2. Evita soe rai ka fatuk no material sira seluk ba rai komunidade nian 3. Sináis propriu kona'ba jere lixu tenke tauiha fatin projetu 4. Tenke jere lixu ho diak no soe iha fatin apropriadu 5. Másimu supervizaun husi jerente projetu ba atividade sira	1. Hapara servisu temporáriu bainhira keixa hirak 2. Rezolve keixa ho maneira própriu 3. Bolu polísia se karik iha konfrontu fíziku envolve durante keixa 4. Hamoos lixu no soe iha fatin dezignadu 5. Másimu supervizaun husi jerente projetu ba atividade sira	1. Husik polisia investiga ema sirane'ebé envolve iha konfrontu fíziku 2. Fó kompensa saun bainhira presiza 3. Avalia fali medida preventiva sira ne'ebé iha no implementa rezultadu 4. Medida mitigasaun importante sira tenki iha ona molok atu hala 'o fali servisu 5. Másimu supervizaun husi jerente projetu ba atividade sira

OPERASAUN					
• Movimentu veikulu (kustu onoráriu no kompañia nian) iha no sai • Uza jeradór apoiu • Fase produsaun nosunu	**Qualidade Ar**	*Rai rahun (asuntu particulada) no Flue gases/ expande impaktu ba kualidade anin*	1. Área ne 'ebé dedika ba asesu veíkulu sira nian tenke halo ho konkreta 2. Atu kuda du' ut no ai-hun sira iha área ne 'ebé la hetan asesu ba veíkulu sira 3. Inspesaun Visual tenke halao regularmente iha rai ba rai-rahun no hamoos rai-rahun liu husibee-foer 4. Hamenus velosidade veikulu iha fasilidade 5. Rai-uut ne' ebé moos regular iha área fasilidade nian 6. Tanke hotu-hotu ne 'ebé entrega tenke manteinho adekuadu hodi hamenus emisaun austral 7. Hapara karreta veikulu sira iha fasilidade atu hamenus expavasaun 8. Fase fo' er la 'ós atu sunu ema, maibé jere didi'ak no soe iha fatin dezignada 9. Sinál jestaun fo 'er ne' ebé apropriadu tenkehatudu iha fasilidade 10. Manutensaun regular ba jeradór backup sira atu hamenus emisaun 11. Supervizaun Máximo husi Jerente fasilidade baatividade	1. apara 2. Liman fo' er no soe iha fatin dezignada 3. S upervizaun Máximo husi Jerente fasilidade ba atividade sira	1. Reasaun ba medida preventiva sira ne ' ebé eziste 2. Hala' o manutensaunba kareta sira ne 'ebé mak 3. S upervizaun Máximo husi Jerente fasilidade

• Tau kombustivel iha		*Órgánika Volatil (VOCs)*	1. Asegura katak seal tanki sira iha rai laran sei rai	1. Hala 'o manutensaun	1. Reasaun ba medida
tanke armazenamentu iharai okos • Refilling/dispensing ba kombustivel ba veikulu kliente • Loading ba tanke armazenamentu iharai okos		*impaktu ba kualidadeanin*	ho kondisaun diak no limitasaun ho didiak 2. Asegura katak kombustivel no impresaun sira bele kotu automatikamente bainhira tanke ne 'e kompletu 3. Ema ne' ebé maka iha kompeténsia tenke hela besik tanki iha fatin deskarga nian durante loron 4. Monitorizasaun no inspesaun regular ba kanu sira, dispenser no tanke sira, no implementa reparasaun sira iha períodu pré-definidu 5. Tenke uza fatin vacuum (PV) ba tanke gazolina atu labele kontinua halo mina restu husi tanki 6. Funsionáriu hotu-hotu tenke asegura katak la tau baliza iha área aterru no fatuk hun iha kada tempu dala 7. Kontrolu regular ba sistema kontrola bee foer no asegura katak sira iha kondisaun diak 8. Tenke estabelese prosedimentu hodi hetan asesu ba kuantidade kombustivel, hodi halo tanke atu tau bee no la uza ba kareta kliente nian. Prosedimentu nee	ba kanu bee kuak, dispenser, tanke no sistema kontrolu bee foer karik hetan estragu no koruptu 2. Supervizaun Máximo husi Jerente fasilidade ba atividade sira	preventiva sira ne ' ebéeziste 2. Halo rejistu loloos no tau iha fatin 3. Supervizaun Máximo husi Jerente fasilidade

			sei fo ba ANPM atu halo revizaun molok lisensa operasional fo 9. Prosedimentu nee tenke tau iha fatin vizivel iha instalasaun no traballadór sira tenke hetan treinamentu atu kompriende no halo tuir prosedimentu 10. Proponente tenke garante katak traballadór sira hala 'o serbisu bazeia ba prosedimentu ne' ebé estabelese ona 11. Supervizaun Máximo husi Jerente fasilidade ba atividade		
• Movimentu veikulu (Costumer • Uza jeradór backup • Produsaun lixu nosunu	**Traballadór sira nia Saúdeno Seguransa (OHS)**	*Dust (Particula asuntu)no Flue gases/ hamamuk impaktu ba traballador sira*	1. Área ne'ebé dedika ba asesu veíkulu sira nian tenke halo ho konkreta 2. Kuda du' ut no ai-hun sira iha área ne'ebé la 3. hetan asesu ba veíkulu sira 4. Inspesaun Visual tenke halao regularmente iha rai ba rai-rahun no hamoos rai-rahun liu	1. apara 2. Liman fo' er no soe iha fatin dezignada 3. S upervizaun Máximo husi	1. Reasa un ba medida preventiv a sira ne ' ebé eziste 2. Hala' o manutens aunba

			husibee-foer 5. Fornese Unidade PPP apropriadu batraballadór sira no traballadór sira tenke uza PPE wainhira iha area ne' ebe fasilidade hela 6. Tanke hotu-hotu ne'ebé entrega tenke mantein ho adekuadu hodi hamenus emisaun gas 7. Transporte lalais iha fasilidade tenke hamenus atu hamenus fuma veíkulu iha area 8. Discoura la simu veíkulu nia motór sira atuhamenus hamamuk gasoel 9. Fase fo'er labele sunu iha instalasaun, maibémaneja didi 'ak no soe iha fatin dezignasaun nian 10. Sinais jestaun fo'er ne 'ebe los tenke hatudu ihafatin projetu 11. Manutensaun regular ba jeradór apoiu nokompañia nia veíkulu hodi hamenus emisaun 12. Supervizaun másimu husi jerente fasilidade ba atividade sira	Jerente fasilidade ba atividade	kareta sira ne 'ebé mak 3. Supervizaun Máximo husi Jerente fasilidade ba atividade

• Tau kombustivel ihatanke armazenamentu iharai okos • Refilling/dispensing ba kombustivel ba veikulu kliente • Loading ba tanke armazenamentu iharai okos		*Resibu orgániku volatil(VOCs) impaktu ba traballadór sira*	1. Tanki armazenajen terrenu nian ne 'ebé atu hadi' a ho matadalan respiratór sira ka liña empreiteiru sira no iha distánsia mínimu metru 4 ba nivel leten 2. Tenke asegura katak vacuum ne 'e tenke uza atu evita kontinuasaun livre husi mina restu husi tanke 3. Asegura katak ró tanki sira iha tasi okos sei rai ho kondisaun diak no iha limitasaun neebé bele taka ho didiak 4. Asegura katak kombustivel no impresaun sira bele kotu automatikamente bainhira tanke ne' e kompletu 5. Ema ne 'ebé maka iha kompeténsia tenke hela besik ba tanke deskarga nian durante loron 6. Monitorizasaun no inspesaun regulár ba bee kuak hosi kanu, dispenser no tanke sira, no implementa reparasaun iha períodu pré- definidu 7. Funsionáriu hotu-hotu tenke asegura katak la tau baliza iha área aterru no fatuk hun iha kualkér tempu 8. Kontrolu regular ba sistema kontrola bee no halo sira iha	1. Hala'o manutensaun ba kanu bee kuak, dispenser, tanke no sistema kontrola bee moos kuandu deskobre estragu no koruptu 2. Asegura bandeira nia atan sira atu prevene sira atu rekore mina arbiru (gas) ba tempu naruk 3. Supervizaun Máximo husi Jerente fasilidade ba atividade sira	1. Reasaun ba medida preventiva sira ne 'ebé eziste 2. Halo rejistu loloosno tau iha fatin 3. Supervizaun Máximo husi Jerente fasilidade

			kondisaun diak 9. Unidade PPP tenke fornese ho pesoál no pesoál sira tenke uza PPE liuliu ba atividade ne ' ebé halo VOC hanesan uza kombustivel, lalin kombustivel, 10. Tenke estabelese prosedimentu hodi hetan asesu ba kuantidade kombustivel, hodi halo tanke atu tau bee no la uza ba veikulu kliente nian. Prosedimentu nee sei fo ba ANPM atu halo		

			revizaun molok lisensa operasional fo 11. Prosedimentu nee tenke tau iha fatin vizivel iha instalasaun no traballadór sira tenke hetan treinamentu atu kompriende no halo tuir prosedimentu 12. Proponente tenke garante katak traballadór sira hala 'o serbisu bazeia ba prosedimentu ne' ebé estabelese ona 13. Proponente tenke avalia risku molok hala 'o atividade 14. Supervizaun Máximo husi Jerente fasilidade ba atividade sira		
• Hala'o ona Inspesaun ba komponente eletrisidade • Inspesaun komponente eletrisidade		*Insidente relasiona ho eletrisidade iha traballadór sira*	1. Inspesaun Daily ba Sistema Eletrisidade 2. Uza prátika serbisu seguru kada ekipamentu eletrisidade nian durante tempu tomak. 3. Hatene fatin nee no oinsa atu halao servisu troka malu no/ka sirkular panel 4. Prevene poténsia ba fakar bee ka kimiku besik ekipamentu eletrisidade 5. Tenke fornese Unidade PPP apropriadu no traballadór sira tenke uza PPE antes halo inspesaun 6. Proponente sira tenke garante atu rekruta funsionáriu	1. Operasaun ne'e temporariamente bainhira iha asidente elétrika ka insidente 2. Ta' uk kanek ne 'ebéita hetan 3. Evakua traballadór sira ne' ebé kanek	1. Vítima ne 'ebé kanek tenke hadi' a hotu molok vítima komesa servisu 2. Kompilasaun ba traballadór 3. Deklarasa

			kompetente no esperiente sira atu halao inspesaun ba sistema eletrisidade nian. 7. Pakote dahuluk ajuda nian no ahi sei hamate eletrisidade ne 'ebé adekuadu ba instalasaun 8. Supervizaun Máximo husi Jerente fasilidade ba atividade	todan ba ospitál ka klínika ne 'ebé besik liu ka númeru kontaktu emerjénsia ba asisténsia evakuasaun nian 4. Supervizaun Máximo husi Jerente fasilidade ba atividade sira	un seguru ba funsionáriu sira ne 'ebé serbisu iha operasaun fasilidade ne' e nian se sira afetadu 4. Halo rejistu loloos kona-ba insidente ne'e inklui rezultadu investigasaun no halo gravasaun ne' ebé disponivel ba ANPM 5. Reastu 6. A segura k 7. Supervizaun Máximo husi Jerente fasilidade

					ba atividade sira
• Asesu ba kombustivel		*Espozisaun ba manasmaka 'as husi traballadór sira*	1. Hapara Servisu 2. Traballadór sira tenke ajusta tempu espozisauntoo loron manas 3. Traballadór sira tenke hakotu tuir orário servisunian 4. Keta haluha sintomas manas neebé bele dehan 5. Uza PPE apropriadu antes servisu durantemanas tebetebes 6. Bee tenke fornese iha fatin servisu 7. Traballadór sira tenke hemu bee beibeik atu raiai-han natoon 8. Notifikasaun ba kualkér fatór risku pesoál 9. Superviziona supervizaun másimu husi JerenteProjetu kona-ba atividade	1. upervizór 2. Ajuste primeiru ne 'ebé aplika ba traballadór sira ne' ebé sofre hosi hamanas malu ka hetan tratamentu dradradra mátiku 3. Evaku ada Traballadó r tratamentu aat neebé todan ba ospitál neebé besik liu ka klínika ka kontaktu ba	1. Traballad ór sira-ne 'e tenke sai di' ak hotu molok atu hahú serbisu 2. ompilasaun Traballad ór 3. Halo rejistu loloos kona-ba insidente ne'e inklui rezultadu investigas aun no halo gravasaun ne' ebé disponivel ba ANPM

				ambulansia hodi halo asistensia evakuasaun 4. Supervizaun Máximo husi Jerente fasilidade ba atividade sira	4. Reastu 5. Supervizaun Máximo husi Jerente fasilidade ba atividade sira
• Movimentu veikulu iha no sai husi fasilidade		*Trafikante no asidentetráfiku iha fasilidade*	1. Hala 'o informasaun regulár molok hala' o operasaun 2. Delega funsionáriu sira ba tráfegu direta iha instalasaun ne 'e durante oras máximu 3. Restrisaun ba veíkulu sira, tanke no motorizada tama no sai husi instalasaun iha fatin neebé asesivel 4. Lokalizasaun fatin estasionamentu nian ne'ebé iha kualidade di 'ak ba estasionamentu jerál iha	1. perasaun 2. ráfiku direta husi fatin asidentál 3. plika ba dahuluk asistensia atu trata traballadór	1. Traballadór 2. Deklarasaun seguru ba funsionáriu sira ne'ebé servisu iha operasaun fasilidade ne' e nian se sira

			instalasaun 5. Iha fatin atu rekupera fali iha illa bomba nian tenke klaru 6. Area fase sasan labele iha intensaun atu evitalori ses an involuntária hosi veíkulu neebé bele kauza asidente ka insidente iha fasilidade 7. Fatin fase veíkulu nian tenke lokaliza dook husi portaun sai no tama nian atu evita asidente tráfiku no asidente 8. Delega funsionáriu sira hodi orienta veíkulu sira iha área fase veíkulu nian atu nune' e atividade labele impede entrada ka sai husi veíkulu hodi hakat liu dalan ne'ebé uza kombustível ne'ebé la di 'ak. 9. Reuniaun regulár seguransa ho baze 10. Fornese númeru kontaktu emerjénsia ihafasilidade no halo staff sira hatene kona-ba nee 11. Fornese pakote ajuda primeiru iha fatin nebeasesivel no halo staff sira hatene kona ba ida nee 12. Supervizaun másimu husi jerente fasilidade ba atividade sira	sira ne'ebé la hetan kanek 4. ontaktu emerjénsia / evakua traballadór sira ne'ebé kanek todan ba ospitál ka klinika ne'ebé besik 5. iu ka kontaktu ambulansia hodi hetan asisténsia evakuasaun 6. Supervizaun másimu husi jerente fasilidade ba atividade sira	afetadu 3. Halo rejistu loloos kona-ba insidente ne'e inklui rezultadu investigasaun no halo gravasaun ne' ebé disponivel baANPM 4. Reastu 5. A segura k 6. Supervizaun másimu husi jerente fasilidade ba atividade sira

• Solda komponente fasilidade		*Mekanizmus servisu nebe relasiona ho asidente ka insidente,ahi no esplozaun*	1. Solda iha fasilidade ne 'e proibidu iha kualker momentu 2. Se nesesáriu, proponente tenke hapara operasaun fasilidade no halo avaliasaun risku apropriadu no tau iha fatin medidas mitigasaun hotu-hotu ne' ebé presiza bazeia ba rezultaduavaliasaun risku 3. Fó konsellu seguransa molok hala 'o servisu 4. Konsulta no buka konsentimentu husi ANPM antes halao operasaun iha fasilidade refere no avaliasaun risku sei fornese ba ANPM 5. Garantia atu rekruta traballadór kompetente no esperiénsia atu halao soldadu 6. Fornese PPE apropriadu 7. Asegura katak ahi han mohu ona kondisaun operasaun 8. Asegura katak kit ajuda dahuluk nian lokaliza iha fatin ne' ebé ema bele	1. Hapara solda se iha asident ruma ka kuandu iha ahi 2. Tráfiku direta husi fatin asidentál 3. Aplika ba dahuluk asistensia atu trata trabalhadores ne 'ebé la hetan kanek 4. Kontaktu emerjénsia /evakua traballadór sira ne' ebé kanek todan ba ospitál ka klinika ne 'ebé besikliu ka kontaktu ambulansia hodi hetan asis	1. Traballadór 2. Deklarasaun seguru ba funsionáriu sira ne'ebé servisu iha operasaun fasilidade ne' e nian se sira afetadu 3. Halo rejistu loloos kona-ba insidente ne'e inklui rezultadu investigasaun no halo gravasaun ne'ebé disponivel ba ANPM 4. Reastu 5. Asegura k 6. Supervizau

				ténsia evakuasaun 5. Supervizaun Máximo husi Jerente fasilidade ba atividade sira	n másimu husi jerente fasilidade ba atividade sira

• Uza kombustivel husitanki ró nian batanke armazenament u • Halako n kombustivel • Leak husi dispenser, tanke armazenajen no kanu kombustivel • Smoking no uza sela • Falsu elétriku		*Fire no esplozaun iha impaktu fasilidade ba traballadór sira, enumerasaun kustu no fasilidade*	1. Pesoál operasionál sira ne 'ebé relevante tenke simu formasaun kona-ba operasaun loloos tanke armazenamentu nian, nune' e mós manutensaun no hadi 'a prosedimentu sira bainhira deskobre ona. 2. Estabelese prosedimentu hodi deskarga kombustivel husi ró tanki sira ba tanke armazenamentu iha rai okos no prosedimentu ne' e tenke hakerek iha kuadru ida no sei taka iha fatin atu soe kombustivel ba tanke armazenamentu nian iha fatin ne 'ebé lisensa bele haree no halo tuir 3. Estabelese prosedimentu hodi la uza mina ba tanke veikulu nian no tenke hakerek iha kuadru leten no hatudu besik ba illa bomba ida-idak ne' ebé atan sira bele haree no halo tuir 4. Servisu sira nee tenke halao tuir prosedimentu no operador fasilidade nian tenke asegura katak funsionáriu sira komprende no serbisu tuir prosedimentu neebé estabelese ona 5. Estabelese prosedimentu hodi trata nakfakar hosi dispensimentu no karga hosi atividade kombustivel, flauta	1. H apara Operasaun ne 'e temporaria mente bainhira iha ahi iha edifísiu apoiu nian, dispenser, illa bomba no tanke armazenaj en nian sira 2. Garante katak planu atu responde ho ativu ba ahi no asegura katak PPE uza duni bainhira kombate ahi. 3. Evakua traballadór no kliente sira ba fatin seguru 4. Taka tiha foho-leet	1. Investiga kauza ahi no esplozaun 2. Kustu indemniza saun nian se presiza 3. ontaktu 4. Halo rejistu loloos kona-ba insidente ne'e inklui rezultadu investigas aun no halo gravasaun ne' ebé disponivel ba ANPM 5. Reastu 6. A segura k 7. S upervizau n Máximo husi Jerente fasilidade ba

			kuak, falla dispenser, nsst no tenke fó hatene ba traballadór sira nain 6. Estabelese prosedimentu hodi hatán ba ahi iha instalasaun no pesoál tenke hatene prosedimentu 6. Ahi no mina nakfakar sei hala 'o pelumenus dala ida iha fulan neen nia laran hodi koko prosedimentu no rejistu sira kona-ba sasan kanu sira ne' ebé disponivel ba ANPM 7. Evakuasaun dodok tenke tau iha fatin vizivel 8. Hatuur sinál kona-ba proibisaun ba fuma liurai, uza kamioneta, uza telemóvel no bandu atu uza fonte sira ba impozisaun nian iha área kombustivel, área tanke ezótika no área sira seluk ne 'ebé bele utiliza bee ne' e. 9. Estasaun kombustível ne 'e tenke instala ho ahi ne' ebé hamate ahi no tenke disponivel beibeik	emerjénsia 5. Númeru emerjénsia Kontaktu nian ba asisténsia bainhira ahi la kontrola 6. S upervizaun Máximo husi Jerente fasilidade ba atividade	atividade sira

			iha fatin ne 'e no tenke mantein atu garante katak fatin ne' e funsiona ho kondisaun ne 'ebé la di' ak 10. Pump nia atan sira so bele hahú halai liu deit hosi ró nia tanke kombustivel hafoin mákina no foer sira kotu hotu ona no sinál iha área nee tenke tau iha fatin neebé la uza ona. 11. Durante entrega kombustível barak liu, ema kompetente tenke marka prezensa to 'o prosesu entrega remata. Molok hahú prosesu entrega ró, taka rai-henek no ahi sei bele hamate, fasil atu asesu. 12. Molok atu hatún kombustivel husi tanki ró nian ba tanke armazenamentu nian, ró boot ne' e tenke para iha área ne ' ebé marka didi' ak no sirkulasaun ema no veíkulu sira seluk iha área ne 'e bandu duni no tenke prevene. 13. aterru no nakfakar durante reembolsu tanke no kombustivel tenke prevene liuhosi instalasaun instrumentu automátiku sira. 14. Kondekorasaun Tanker tenke prezente durante fornesimentu kombustivel ho emerjénsia neebé tesi tiha no ahi neebé		

			bele hamate nia. 15. Fasilidade sira ne 'ebé taka iha leten tenke uza bainhira kombustivel transfere husi veikulu boot liu ba iha UST sira atu prevene emisaun refujiadu sira 16. Funsionáriu sira labele la' o sees husi kombustivel ba motorista sira nia veikulu bainhira sira fuma, uza telefone no la taka veikulu nia motór 17. Funsionáriu hotu-hotu tenke asegura katak la tau ba iha fatin ensera no fatin ba illa bee matan nian iha kualkér tempu 18. Inspesaun vizuál internu ba kanu sira, sistema eletrisidade no dispenser tenke halao regularmente ba kondisaun sira hanesan bee kuak, deteriorasaun, no korozaun (ba kanu serbisu nian) 19. Inspesaun sei halao mós ba sistema tratamentu bee atu asegura katak sistema nee funsiona ho kondisaun 20. Autoridade tenke halo notifikasaun bainhira iha kuak hosi kanu, dispenser no tanke 21. Operador tenke fornese PPE apropriadu ba traballadór sira 22. Kontaktu Emerjénsia tenke tau		

			iha fasilidade no traballadór hotu-hotu tenke hatene kona-ba ne 'e 23. Proponente sei fornese uluk treinamentu kona- ba apoiu no kilat ba funsionáriu sira no kópia sertifikadu sertifikadu sei fornese ba ANPM 24. Formasaun konsorsiu sei fornese kada tinan rua. 25. Sistema eletrisidade iha Timor-Leste tenke ekipadu no proteje ho sistema transmisaun 26. Fo seguru ba pesoal sira no garantia seguru sei kontinua válidu 27. Supervizaun Máximo husi Jerente fasilidade ba atividade sira		

• Ahi han uma • Ahi han lixu • Manán ahi		*Impaktu husi ahi ka noesplozaun husi fatin besik ba fasilidade sira*	1. Notifikasaun ne 'ebé hale' u komunidade kona- ba perigu ba ahi ba instalasaun ne 'e 2. Asegura katak ahi iha komunidade kontrola 3. Kontaktu ba Departamentu Bombeiru bainhira ahi han komunidade ida ka ahi neebé komunidade sunu nee la kontrola 4. Husu ba komunidade atu labele sunu ahi besik fasilidade 5. Funsinariu sira tenki ajuda komunidade atu kombate ahi ne' e se karik presiza no seguru atu halo ida ne 'e 6. Hala' o knaar uma kakuluk jerál iha baze regulár 7. Ahi atu hamate nia tenke disponivel iha fasilidade hotu, no tenke iha kondisaun operasionál 8. Traballadór atu kombate ahi ho PPE 9. Tenke iha númeru kontaktu emerjénsia ne 'ebé disponivel iha fasilidade 10. Asegura katak pesoal sira hotu atende treinamentu refrijensia 11. Pakote ajuda primeiru tenke	1. O perasaun ne'e temporariamente bainhira ahi han iha fasilidade nia li' ur labele tama iha 2. E vakua traballadór sériu sira ka kliente sira ne'ebé sofre husi sunu to' o ospitál ka klinika 3. N úmeru emerjénsia Kontaktu nian ba asisténsia bainhira komunidade afeta fasilidade ne 'e 4. T aka tiha valvula	1. Pesoal Kontaktu seguru atu informa insidente ne 'e no staff sira ne'ebé afetadu 2. Halo rejistu loloos kona-ba insidente ne'e inklui rezultadu investigasaun no halo gravasaun ne'ebé disponivel ba ANPM 3. Reastu medida preventiva sira ne'ebé eziste no implementa rezultadu 4. A segura k

			disponivel 12. Asegura katak kliente hotu-hotu halo tuirprosedimentu seguransa 13. Sinál seguransa tenke hatudu iha fasilidade 14. Prátika emerjénsia halo perfurasaun kada fulan 15. Supervizaun Máximo husi Jerente fasilidade baatividade	emerjénsia 5. Protesaun Proprietáriu PPE atu kombate ahi 6. Ahi sei lakan maka' as no ahi sei hamate kedas bainhira ahi han mohu loron 7. Supervizaun másimu husi jerente fasilidade ba atividade sira	5. Supervizaun másimu husi jerente fasilidade ba atividade 6. Ahi sei lakan maka 'as no ahi sei hamate kedas bainhira ahi han mohu loron 7. Supervizaun másimu husi jerente fasilidade ba atividade sira

• Movimentu veikulu (Costumer • Uza jeradór backup • Produsaun lixu nosunu	**Impaktu Sosiál (saúde komunitária no seguransa)**	*Rai rahun (asuntu particulada) no Flue gases/ expande impaktu ba komunidade*	1. Inspesaun Visual tenke halao regularmente iha rai ba rai-rahun 2. Minimiza molik iha área fasilidade nian 3. Área produsaun bee regulár uza bee atu hamate rai-rahun husi suspende ba anin 4. Rai-uut regular iha área instalasaun nian 5. Tanke hotu-hotu ne 'ebé entrega tenke mantein ho adekuadu hodi hamenus emisaun austrália 6. Estabelese limite velosidade ba veíkulu sira ne' ebé halo operasaun iha laran no iha área projetu nia li 'ur, atu hamenus asidente veíkulu no rai- rahun no atu limita velosidade sinál iha projetu ne' e atu fó hanoin ba kondutór sira 7. La fó insentivu ba veikulu nia motór sira atu hamenus expavasaun 8. Manutensaun regular ba jeradór back-up hodi redús emisaun 9. Fase osan labele sunu iha fatin, maibé jere no soe iha fatin dezignadu 10. Sinál jestaun fo 'er ne' ebé loloos tenke hatudu iha	1. arik iha Reklamasaun tanba rai rahun/apr ezentasaun gas proponente tenke rezolve keixa 2. Bolu polisia se keixa ne ' e involve konfrontasaun 3. Supervizaun Máximo husi Jerente fasilidade ba atividade sira	1. Reasaun ba medida preventiva sira ne ' ebé eziste 2. Hala' o manutensaunba veikulu sira ne 'ebé mak 3. Supervizaun Máximo husi Jerente fasilidade ba atividade sira

			fasilidade ne 'e 11. Supervizaun Máximo husi Jerente fasilidade ba atividade		
• Tau kombustivel ihatanke armazenamentu iharai okos • Refilling/dispensing ba kombustivel ba veikulu kliente • Loading ba tanke armazenamentu iharai okos		*Órgánika Volatil (VOCs)impaktu ba komunidade*	1. Aranja armazenajen rai okos nian ne 'ebé atuhadi' a ho linhas respiratór sira ka linha emprendimentu nian no sei ajusta ba buat hirak ne 'e, ne' ebé maka dook husi zona viziñu sira nian no hetan klasifikasaun mínimu metru 4 iha nivel leten. 2. Tenke asegura katak vacuum ne 'e tenke uza atu evita kontinuasaun livre husi mina restu husi tanke 3. Inspesaun ba kanu sira ne' e nia baze hodi asina korozaun ka estragu sira no halo manutensaun kedas bainhira	1. Bainhira enxe nakonu no fakararak no vapour hahú halo viajen, operasaun ne 'e remata kedas 2. lanu resposta banakfakar 3. Operador	1. Halo rejistu loloos kona-ba insidente ne 'e inklui rezultadu investigasaun no halo rejistu ne' ebé disponivel ba ANPM 2. Reastu medid apreventiva sira ne'ebé eziste 3. Asegura

			deskobre koruptu no estraga 4. Asegura katak ró tanki sira iha tasi okos sei rai	tenke evita Breathing iha nivel kiik VOCs ba periodu naruk no tenke uza	kata kmedida ne'e bé
			ho kondisaun diak no limitasaun sira nee sei taka ho didiak 5. Estabelese prosedimentu hodi la 'o sees ba kareta no tula kombustivel ba ró sulin, nsst 6. Prosedimentu ne' ebé hatún kombustível husi tanki ró nian ba tanke armazenamentu nian no dispensi kombustivel ba tanke karreta sira nian tenke tau iha instalasaun 7. Funsionáriu sira tenke iha konxiénsia kona-ba prosedimentu ne 'e no garante katak sira halo tuir prosedimentu bainhira hala' o serbisu 8. Asegura katak kombustivel no impresaun sira bele kotu automatikamente bainhira ró referenakonu ho totál 9. Ema ne 'ebé maka iha kompeténsia tenke hela besik	PPE adekuadu 4. S upervizaun Máximo husi J erente fasilidade	presiza hala ' o antes hala' o fali atividade 4. Supervizaun Máximohusi J

			ba tanki ne' e durante deskarga 10. Monitorizasaun no levantamentu regular ba kanu inspesaun, dispenser no tanke sira atu detekta bee kuak no implementa reparasaun iha periodu antes loron 11. Halo manutensaun ba kanu sira be kuak, dispenser, tanke no sistema kontrole vavadu karik deskobre estragu no koruptu 12. Asegura bandeira nia atan sira atu prevene sira atu rekore mina arbiru (gas) ba tempu naruk 13. Funsionáriu hotu-hotu tenke asegura katak la tau baliza iha área aterru no fatuk hun iha kualker tempu 14. Supervizaun Máximo husi Jerente fasilidade ba atividade		
• Movimentu veikulu (Costumer • fase veikulu		*Trafikante no asidente tráfiku la tama iha fasilidade (tráfegu jerál)*	1. Marka area klaru atu haketak veikulu no ema la' oain sira 2. Fó sinál avizu iha fatin hotu-hotu no sai husi fatin ne 'e. 3. veikulu sira ne' ebé tama no sai husi postu abastesimentu kombustivel nian ne 'e halo liuhusi asesu úniku ida atu evita ko ' alia de 'it kona-ba tránzitu ne' ebé sai husi	1. Wainhira iha asidenti ka insident e ne 'ebé tau matan ba ro' o sira ne'e, kondutó	1. Fornese kompensas aun kuandu nesesáriu 2. Halo rejistu loloos kona-ba insidente ne 'e inklui rezultadu investigasaun

			instalasaun ne 'e nia li' ur, 4. Parágrafu veíkulu sira tuir dalan ba instalasaun la permite 5. Adenda tama tanke kombustivel ne 'ebé adekuadu ba área deskarga iha rai-maran no	r tenke hapara kareta sira ne' e no asesu ba asidente 2. Aplika primeiru ajuda atu trata vítima sira ne 'ebé la hetan kanek dala 3. Evakua ema barak ne' ebé kanek todan ba	no halo gravasaun ne' ebé disponivel ba ANPM 3. Reastu medida preventiva sira ne 'ebé eziste no

			permite sai husi postu abastesimentu kombustivel nian sira iha área ida ne' ebé seguru, hodi la 'o ba oin lahó nesesidade husi manoeuves saida de' it atu evita tráfiku iha fatin ne 'e laran no li' ur husi instalasaun 6. Pesoál sira labele direta veikulu sira ne 'ebé labele para iha ka besik portaun entrada nian no sai husi kareta direta atu labele impede movimentu veíkulu sira seluk hodi selu kombustivel 7. Área fase sasán labele besik tama no sai iha fatin 8. Pesoal sira tenke orienta veikulu no motor sira neebé tama ba fasilidade nee durante oras sae nia laran. 9. Fornese zona sira neebé seguru ba kondutór sira atu hamriik bainhira halao atividade deskarga/karga. 10. Funsionáriu dedikadu sira tenke aprezenta atu jere movimentu tráfegu no bisikleta iha fasilidade la' ós durante oras ne 'ebé to' o oras 11. iha fasilidade ne ' e. Jere oras servisu no durasaun ba kondutór sira atu minimiza fatigue. 12. Implementa sistema ida hodi	ospitál ka klinika ne'ebé besik liu ka númeru kontaktu emerjén sia ba asisténsi a evakuas aun 4. S upervizaun Máximo husi Jerente fasilidad e ba atividad e sira	imple menta rezult adu 4. Supervizaun Máximo husi J erente fasilidade

			hamenus nesesidade ba veikulu sira atu fila fali ba fatin ne' e. 13. Fornese sinál ba movimentu neebé seguru ba karreta no ema (dalan ba dalan ninin, barreira, zona seguru, la 'o dalan seluk tan) 14. Tenke haketak fatin estasionamentu ba onorário sira atu fornese kombustível ba fatin ne' ebé di 'ak liu. 15. Fó salvasaun oras hakmatek iha loron ne' e hodi hamenus número ema ne 'ebé mak besik veikulu ne' e. 16. Asegura katak veikulu/motorista tula kombustivel iha número kontaktu emerjénsia 17. Operadór tenke garante katak kombustível ba motorista ne 'e iha koñesimentu ne' ebé presiza hodi transporta kombustivel inflamavel no kombustíveis, no garante katak motorista ne 'e iha lisensa ba kondusaun ne' ebé válidu 18. Kontrolu ba kompañia nia veikulu kondutór sira nia atitude kona-ba kondusaun 19. Asegura katak kondutór sira iha sertifikadu primeiru ajuda		

			nian 20. Kompañia nia kondutór tenke halo tuir sinál tránzitu no la iha influensia alkohol bainhira lori karreta 21. Karik kompañia ne 'e uza veikulu rasik hodi tula kombustível, kompañia ne' e tenke asegura katak fasilidade ne 'e iha fatin ne' ebé presiza atu pára karreta 22. Limite velosidade velosidade veikulu ba kompañia sira ne 'ebé opera iha fasilidade nia li' ur. 23. Instru kondutór sira atu hamenus limitasaun velosidade wainhira tama no sai husi fasilidade 24. Supervizaun Máximo husi Jerente fasilidade iha atividade sira		

• Movimentu veikulu (Costumer • Uja kombustivel ba tanke armazenament u husitanki kombustivel		*Impaktu barulhu no nakdedar ba komunidade*	1. Sei estabelese prosedimentu keixa ida ne 'ebé bele simu keixa barak, rejista no responde ho apropriadu. 2. La' o Hamutuk, liuliu iha kalan, tenke mantén to 'o mínimu. 3. Evita múzika antesedente sira ne' ebé maka 'as ne ' ebé klaru no labele hasees an husi previzaun 4. Evita simu/hatun mina ba tanki armazen ka deliverasaun sira seluk iha kalan 5. Oras operasaun nian tenke hahú iha tuku 7 - 9 pm atu evita barullu iha fasilidade nee no haleu besik tuku 6. Limite lalais veíkulu sira nian iha instalasaun hodi hamenus lian barullu 7. Hala 'o monitorizasaun no inspesaun ba kondisaun veíkulu no manutensaun empreza sira nian atu evita hamosu barullu 8. Harii parede ida atu halakon lian barullu husi instalasaun nee 9. Supervizaun Máximo husi Jerente fasilidade ba atividade	1. I ontrolu I 2. Resolve kualkér keixa hosi komunidade 3. Bolu polísia se iha konfrontu 4. S upervizaun Máximo husi Jerente fasilidade ba atividade sira	1. Halo rejistu loloos ba keixa no rezolusaun, 2. A segura katak registu ne 'e disponivel ba ANPM 3. Reastu medida preventiv a sira ne' ebé eziste no implementa rezultadu 4. S upervizaun Máximo husi Jerente fasilidade ba atividade sira

• Uza kombustivel husitanki ró nian batanke armazenamentu • tanki armazenajen iha rai okos ba tanke veíkulu nian • Soldajen • fuma no • Falsu eletrisidade • Kuak ba dispenser, tanke no kanu sira		*Impaktu hosi ahi no esplozaun iha fasilidadeba komunidade no komunidade nia uma*	• Uza medida asaun prevensaun mitigasaun ba impaktu husi ahi no esplozaun iha fasilidade ba traballadór sira, enumerasaun kustu no fasilidade iha seksaun ida-ne 'e hodi prevene impaktu husi ahi no esplozivu iha fasilidade ba komunidade no komunidade	• Uza medida asaun kontrolu mitigasaunba impaktu husi ahi no esplozaun iha fasilidade batraballadór	• Uza medida asaun koreksaun mitigasaun ba impaktu husi ahi no esplozaun fasilidade ba traballadór sira, enumerasaun kustu no fasilidade iha seksaun ida-ne 'e hodi prevene impaktu husi ahi no esplozivu iha fasilidade ba komunidade no komunidade

• Aumenta kombustivel duranteke 'e mina hirak ne 'ebé uza iha tanki armazenajen nian • Aumenta kombustivel durante redusaun mina husitanke armazenajen ba tanke veikulu nian • Arrendamentu minahosi tanki veikulu • Arrendamentu tanke armazenajen iha rai okos • Arrendamentu ba kombustivel hosikanu • Manutensaun la di 'ak ba sistema tratamentu bee fo ' er, tanke mina-rai iha tasi laran no	**Kualidade raino Kualidade Bee (bee matan no beerai-okos)**	*Rai, bee no polusaun beenian tanba mina nakfakar no be 'e kuak*	1. Fasilidade armazenajen iha rai okos tenke tau 2. iha basia retensaun konkretu 3. UST sira tenke iha protesaun korozaun no espesifikasaun ne 'ebé detalla protesaun korozaun sei fornese ba ANPM molok hahú konstrusaun 4. Avizu/sinál avizu ne' e tau bainhira hatama mina sira ba tanke armazenamentu 5. Tenke halo verifikasaun ba materiál resposta ne ' ebé iha no disponivel iha fatin 6. Atu taka no fakar fo' er durante tanki deskarga iha tanki leten tenke prevene 7. Separadór bee/bee tenke hetan inspesaun regulár atu asegura katak ida-nee funsiona nafatin. 8. Área ida ne 'ebé iha dignidade iha superfísie (ced) iha área ne' ebé dedika ba deskarga kombustivel husi ró tanke sira ba tanke armazenajen nian no área dezembarke nian, no permite drenajen ba sistema tratamentu bee nian 9. Aterru no nakfakar durante reabastesimentu ró no la uza kombustivel tenke prevene	1. Bainhira deskobrebee kuak iha kanu laran, dispenser no tanke armazenamentu iharai okos, operasaunne 'e tenke para temporariamente, no manutensaun ne' etenke hala 'o molokatu hahú fali operasaun 2. Hatudu ho ativu planu resposta nakfakar 3. Autoridade tenke notifika bainhira iha kuak hosi kanu serbisu nian, tanke armazenajen 4. Supervizaun másimuhusi Jerente Projetu kona-ba atividade	1. Remestasaun tenkehala 'o bainhira hetan kontaminasaun 2. ompilasaun trabalhador sira nebe haleu komunidade karik mina kuak husi fasilidade needestroi sira nia propriedade 3. Halo rejistu loloos ba keixa no ninia rezolusaun, 4. A segura katak registu ne' e

kaptura • Fase veikulu			liuhosi instalasaun instrumentu automátiku sira. 10. onteúdu akumula iha rezervatóriu mina-rai/bee nian tenke hasai no soe ba iha sistema tratamentu ne 'ebé di' ak (absorve ba rai-henek ne 'ebé dedikadu ba ida-ne' e) 11. Asidental no nakfakar ne 'ebé bele akontese ihaprevizaun ne' e tenke hamoos kedas hodi uza rai-henek maran ne 'ebé fornese iha kontentór balun ne' ebé hasai ba kada dispenser kombustivel, ne 'ebé tuirmai tenke soe didi' ak		disponivel ba ANPM 5. Reastu medida preventiv a sira ne 'ebé eziste no implemen ta rezultadu 6. A segura k 7. Superviza un másimu husi Jerente Projetuba atividade sira

			12. Ba objetivu atu detekta bee nia kuak, kuantidade kombustivel ne 'ebé fornese, rai no dispensed stock sei monitoriza no rejista loroloron, no rejistu sira rai iha fatin 13. Tanker entrega kondutór tenke prezente durante entrega mina ho marka emerjénsia sira 14. Kuandu bee-lihun monu ka simente sira monu ka lees tiha, entaun fornesimentu kombustivel ne ' e tenke tesi ho trigu ne 'ebé tesi husi foho-leet sira 15. Planu resposta emerjénsia tenke tau iha fatin ne' e, ne ' ebé esplika klaru kona-ba prosedimentu sira no inklui númeru kontaktu emerjénsia 16. Pesoál projeksaun hotu-hotu tenke involve iha nakfakar atu nune' e sira hatene prosedimentu hodi responde ba nakfakar durante la uza mina nakfakar durante soe/aterru iha tanke armazenajen no seluk 17. The USTs, pipelines, dispenser no infrastrutura seluk ne 'ebe asosiadu tenke halo inspesaun regulár ba kuak sira no atu asegura integridade estruturál		

			18. Fasilidade ne' ebé taka tenke uza bainhira kombustivel transfere husi veikulu boot ba ihaUSTs 19. Uza posu monitorizasaun atu monitoriza bee kuak iha tanki okos 20. Funsionáriu hotu-hotu tenke asegura katak dispenser sira la bele monu iha área aterru no illa bee dalan iha kualkér tempuWater from carwash area must be directed to proper drainage system 21. Servisu kanu sira hotu no fitar sira seluk (i.e., valores no boletin sira) tenke hetan inspesaun regulár ba estragu sira sinál nian, pión, deteriorasaun ka korozaun 22. Fazeamentu tenke hetan teste ho bee kuak molok uza ba operasaun 23. Presiza instala ligasaun ba kanu serbisu iha terrenu no kámara konjunta ba inspesaun no manutensaun. (Nota: ida ne 'e sei depende ba tipu kanu sira ne' ebé atu uja) 24. Asegura katak kanu serbisu hamutuk iha apropriadu hodi prevene ingresu bee no substansia seluk (Nota: ida ne 'e sei depende ba sasukat		

			mitigasaun iha leten) 25. Area iha fasilidade laran tenke hasai, eseptu hetan konsellu hosi autoridade 26. Fornese sistema drenajen apropriadu hodi jere bee nalihun iha leten 27. Adenda tama ba ró tanki kombustivel ne' ebé adekuadu ba área deskarga iha rai-maran no permite sai husi postu abastesimentu kombustivel nian ba área ne 'ebé seguru, hodi la presiza tan manoeuvres 9. Karik uza besikanu duplu atu prevene kanu ne' ebé kuak (Nota: ida ne 'e sei depende ba kanu sira ne' ebé atu uza) 28. Prosedimentu atu hatun mina husi tanki ró nian ba tanke armazenamentu iha rai okos tenke hakerek iha kuadru ida no hatudu besik atu hatun mina ba iha tanke armazenajen nian iha fatin ne 'ebé nia la hetan lisensa bele haree no halo tuir 29. Prosedimentu atu desmina mina ba tanke veikulu nian tenke hakerek iha kuadru leten no hatudu besik ba illa bomba ida-idak ne' ebé atan sira bele haree no la 'o tuir 30. Ema ne' ebé maka iha kompeténsia tenke hela besik tanki iha fatin deskarga 31. Monitorizasaun regular ba inspesaun bee kuak hosi tanki okos,		

			32. Inventarizasaun stock kombustivel regularmente 15. Fornese material báziku 33. Supervizaun Máximo husi Jerente fasilidade ba atividade sira		

• Fakar or Kuak • ahi han ka/no explozoz ozaun	**Impaktu ekologia**	*Espésie ka bee ne 'ebéfakar no nakfera ka esplozaun impaktu baai-horis no animál*	1. Uza Medidas Mitigasaun Prevensaun ba Rai, bee no poluisaun bee baze iha seksaun ida-ne 'e atu prevene nakfakar ka bee kuak 2. Uza Medidas Mitigasaun Preventiva ka/no esplozaun iha Traballadór sira nia Saúde no Seguransa, Impaktu Sosiál no Rezidente sira nia Saúde no Seguransa iha Fasilidade iha seksaun ida-ne' e hodi prevene ahi ka/no esplozaun ba infeksaun Traballadór sira.	1. Uza Kontrolu no Responde Medidas Mitigasaun ba Rai, bee no poluisaun bee baze atu kontrola no responde nakfakar ka bee kuak iha seksaun nee. 2. Uza Kontrolu no Medida Mitigasaun ba Prevensaun sunu ka/no esplozaun iha Servisu Profisionál Saúde no Seguransa, Impaktu Sosiál no Rezidente sira nia Saúde no Seguransa	1. Uza Medidas Mitigasaun Corrective Action for rai, bee rai leten no polusaun beerai okosnianb aseksaun ida-ne 'e atu prevene nakfakar kafugaun 2. Uza Medidas Mitigasaun Corrective Action for fire or/and explositio n in the Traballad ór sira Health and Security, Social Impact and

				iha Fasilidade iha seksaun ida ne 'e hodi kontrola ahi ka/no esplozaun iha traballadór sira-nia saúde no prevensaun	Residents 'Health and Security in Facility. Asaun korretivu ba seksaun ida ne' e

• Ahi han • Produsaun fo 'er nosunu fo' er	**Impaktu agrikura no ekonomiku**	• *Ahi han no esplozaun, no Impaktu sira hosi atividade ekonómika (kios, merkadu, loja no atividade agrikultura)* • *Fo'er*	1. Permite ema ne'ebe iha esperiénsia atu hala' o manutensaun 2. Prosedimentu propriu no preparasaun ba kazu ruma presiza halo manutensaun 3. Prepara no fornese ekipamentu kombate ahi no kit primeiru ajuda nian 4. Fornese treinamentu ba staff sira no treinamentu refrijerasaun 5. Prosedimentu ba ahi no resposta nakfakar no resposta emerjénsia sira seluk 6. Teste prosedimentu liu husi halo raptu dala ida iha fulan neen dala ida kada fulan 7. Estabelese prosedimentu servisu no asegura katak funsionáriu sira halo tuir prosedimentu bainhira servisu 8. Prosedimentu servisu todan no ahi no prosedimentu nakfakar iha fasilidade laran 9. Fó formasaun kona-ba hamate ahi no premeiro sekuru pesoál sira no garante pesoál sira iha koñesimentu dahuluk kona- ba asisténsia ba sira ne'ebé prezente iha fasilidade ne 'e durante oras servisu nian. 10. Ferik ka lubrifikante hosi mina no lubritas tenke hamoos kedas no tenke soe iha fatin	1. Atividade Cease ne 'e temporariamente bainhira ahi han no hato'o keixa ba esgotu 2. Se ahi/nakfakar akontese, atividade sunu ahi/nakfakarnia planu resposta 3. Kontaktu departamentu ahi ba asisténsia bainhira ahi la kontrola nohahú afeta kios kaloja sira ka merkadu 4. Nakfakar ka bee kuakhosi	1. Investiga kauza ahi ka/no esplozaun, fakar ka nakfera 2. Fó kompensasaun ba ema sira ne'ebé afetadu karik presiza 3. Kontaktu ba fornesedores seguru sira atu informa insidente ne' e no funsionáriu sira ne'ebé afetadu 4. Halo rejistu loloos kona-ba insidente ne' e inklui rezultadu investigasaun

			dezignadu 11. Tenke jere foer ho di' ak no atu soe iha fatin dezignada 12. Fornese númeru kontaktu emerjénsia iha fasilidade no halo traballadór sira hatene kona- ba nee 13. Supervizaun másimu husi jerente fasilidade ba atividade sira	mina 5. Departamentu Kontaktu bainhira nakfakarka bee neebé afeita rai agricultural ka propriedade 6. Limanfo'er no soeiha fatin dezignada 7. Supervizaun másimu husi jerente fasilidade ba atividade sira	no halo gravasaun ne'ebé disponivel ba ANPM 5. Reastu medida preventiva sira ne'ebé eziste no implementa rezultadu 6. Asegura katak medida ne'ebé presiza hala' o antes hala'o fali atividade 7. Supervizaun másimu husi jerente fasilidade ba atividade sira
MANUTENSAUN					

• Movimentu veikulu (iha no sai husi fasilidade) • Konkordánsia • Uza luxu • Uza jeradór backup • Uza produsaun fo'erno sunu	**Kualidade Ar**	*Rai Rahun (asuntu particulada) impaktu ba kadoras anin ho kualidade diak/ ke 'e austgass nia impaktu ba kualidade ar*	1. Hamoos rai ne 'e husi rai-rahun 2. Rai-manas uza bee atu hamate rai-rahun husi suspende ba anin 3. Manutensaun regular ba veikulu, ekipamentu no jeradór back-up atu labele dada sai aviaun ba leten 4. Hasees tiha makina ba kareta no ekipamentu nebe la nesesáriu 5. Hadook tiha jeradór back-up ne' ebé la presiza. 6. Estabelese limite velosidade ba veíkulu sira ne 'ebé halo operasaun iha área projetu laran no li' ur no tenke instala temporariamente sinál velosidade nian iha projetu ne 'e atu fó hanoin ba kondutór 7. Hamenus velosidade veikulu iha fasilidade atu minimiza emisaun gás no suspensaun rai-rahun 8. Labele sunu foer iha area laran maibe jere foer ho di' ak no atu soe iha fatin dezignada 9. Sinál jestaun fo' er ne 'ebé apropriadu tenke hatudu iha fasilidade 10. Supervizaun másimu husi Jerente Projetu kona-ba	1. Hapara uza jeradór, veikulu no ekipamentu sira ne 'ebé emit gás líkidu barak liu 2. Hamos fo' er no soe iha fatin dezignada 3. Supervizaun másimu husi Jerente Projetu kona-ba atividade	1. Hala'o manutensaun ba ekipamentu, veíkulu no jeradór ne' ebé emita gás líkidu 2. Fó hanoin fali ba kondutór sira atu orientatuir limite neebé estabelese ona ba velosidade lais 3. Fó hanoin fali ba traballadór sira atu jere no soe fo ' er sira iha fatin ne' ebé dezignatiha ona 4. Reastu 5. Supervizi ona superviza

			atividade sira		un másimu husi Jerente Projetu kona-ba atividade sira
• Dispenser, kanalizasaun no tanke armazenamentu iharai okos		*Órgánika Volatil fo impaktu ba kualidade ar*	1. Failha ba orgánika karbonu volatil labele prevene durante manutensaun 2. Kompañia sei hapara operasaun fasilidade bainhira hala 'o manutensaun ba tanki rai-okos, kanu kombustivel no dispenser sira	1. Failha ba a organiku karbonu volatil labele prevene durante periodu manutensaun	1. Failha ba organiku karbonu volatile labele prevene durante periodu manutensaun

• Mudansa Veíkulu (ihano sai husi fasilidade) • Kaxtura (mangeira), didin, illa bomba • Produsaun fo'er nosunu	**Traballadór sira nia Saúdeno Seguransa (OHS)**	*Rai rahun no líkidu (particula asuntu ne 'e)no impaktu gás naturálba traballadór sira*	1. Hamoos rai ne 'e husi rai-rahun 2. Rai-manas uza bee atu hamate rai-rahun husi suspende ba anin 3. Limitasaun veikulu lalais sira atu hamenus rai- rahun no uza gas hodi fó hanoin nafatin kondutór sira atu limita veikulu ho velosidade 4. Estabelese limite velosidade ba veíkulu sira ne'	1. Hapara uza gas mean barak liu tan hodi emista veikulu no makinaria 2. Hamos fo 'er no soe iha fatin dezignada	1. Hala 'o manutensaun regulár ba veíkulu ekipamentus nomákina 2. Reastu medida preventiva sira ne' ebé eziste no
			ebé halo operasaun iha área projetu laran no li 'ur no tenke instala temporariamente sinál velosidade nian iha projetu ne' e atu fó hanoin ba kondutór na 'in 5. Prepara no fornese PPE apropriadu ba empregadu nain 6. Karik bele instala lutu atu tau rai-rahun iha área servisu nian 7. Labele uza barak liu tan veíkulus emipamentus no luxus 8. Halo manutensaun regulár ba veíkulu emipamentus no katana sira nian 8. labele sunu foer iha fasilidade l a r a n maibé tenke jere no soe iha fatin dezignadu 9. Fó hanoin fali traballadór sira ba jestór no soe fo' er sira iha fatin dezignada 10. Sinál jestaun fo 'er ne' ebé apropriadu tenke hatudu iha fasilidade 11. Superviziona supervizaun másimu husi Jerente Projetu kona-ba atividade	3. Supervizaun másimu husi Jerente Projetu kona-ba atividade sira	imple menta rezult adu 3. Superviziona supervizaun másimu husi Jerente Projetu kona-ba atividade sira

		Impaktu barullu no vibrasaun ba komunidade	1. Servisu ne 'e tenke hala' o deit durante oras loron tomak entre 08: 00Am-5:00Pm, iha loron ida de 'it. 2. Traballadór sira tenke hatais PPE apropriadu, se karik no bainhira presiza. 3. Hahú husi ne' ebá bainhira barullu no deskansa husi ninia serbisu 4. Ekipamentu mekániku ho nível poder kiik liu sei selesiona atu garante katak okupasaun permisivel ne 'e barullu ho limitasaun 85 dBA la liu. 5. Nivel barullu labele liu limite másimu 6. Ekipamentu sira hotu sei mantein ho di' ak no kontinua serbisu di 'ak hodi hamenus barullu. 7. Ekipamentu hamosu lian barullu tenke seguru no mantein ho di' ak atu asegura katak sira hala 'o operasaun ho limitasaun barullu ne' ebédezeñu atu funsiona 8. Asegura katak traballadór sira manutensaun deit iha área barullu 9. Supervizaun Máximo husi Jerente fasilidade ba atividade sira	1. Hapara manutensaun se atividade halo tarutu maka ' as liu duké limitasaun másimu 2. Supervizaun Máximo husi Jerente fasilidade	1. Haree ekipamentu/ veíkulu 2. / jeradór ne ' ebé halo lian maka' as 3. Hala 'o fali atividade karik asuntu ne ' e rezolve tiha ona. 4. Reastu medid apreventiva sira ne'ebé eziste 5. Supervizaun Máximo husi J erente fasilidade
		Trafikante no asidenteka insidente iha	1. Limitasaun númeru asidentál iha fasilidade 2. Pesoál sira tenke tama direta ba fasilidade ne 'e	1. Atribui funsionáriusira	1. I nvestiga k auza asidente

					ka
		fasilidade laran	ho di' ak 3. Funsionáriu sira labele fó instrusaun ba kondutór sira atu labele para kareta tama no sai husi portaun 4. Markasaun klaru ba fatin manutensaun sira 5.Barricade fatin manutensaun 5. Fornese PPE iha fasilidade 6. Fornese pakote primeiru ba ajuda iha fasilidade 7. Operador tenke garante katak funsionáriu sira ne 'ebé hetan koñesimentu dahuluk kona-ba apoiu sei marka prezensa iha fasilidade ne' e 8. Fornese númeru kontaktu emerjénsia iha fasilidade ne 'e no halo traballadór sira hatene kona-ba ne' e 9. Supervizaun Máximo husi Jerente fasilidade ba atividade	tráfegu iha fasilidade ne' e 2. Servisu temporáriu kuandu iha asidente ka insidente 3. Aplika primeiru ajudahodi halo tratamentu ba servisu-na 'in ne ' ebé kanek la to 'o, 4. Evakua traballadórsira ne' ebé kanek todan ba ospitál ka klínika ne ' ebé besik liu ka númeru kontaktu emerjénsiaba 5. Supervizaun Máximo husi Jerente fasilidade ba Atividade sira	insidente 2. Serbisu na 'in sira tenke sai di' ak fali molok atu hahú fali serbisu Fó kompensasaun ba traballadór sira, sepresiza 3. Reastu 4. Supervizaun Máximo husi Jerente fasilidade ba atividade sira

• Manutensaun tanke armazenajen iha rai okos • Manutensaun • Manutensaun dispenser		*Workers Accident or incident(injuries)*	1. Barricade fatin manutensaun 2. Kompañia sei hapara operasaun fasilidadewainhira halao manutensaun ba tanke armazenamentu iha Underground, kanu kombustivel no dispensers 3. Kompañia ne 'e tenki fo deit esperensia no konsultan kompetente sira atu halo manutensaun ba tanke, dispenser no kanu sira 4. Operadór tenke notifika ANPM molok halo manutensaun ba tanke, kanu no dispenser inklui informasaun kona-ba esperiensia/kompeténsiano prosedimentu manutensaun 5. Presiza uza PPE molok hala' o atividade, inklui hamoos tanke armazenamentu rai iha rai laran 6. Traballadór manutensaun sira tenke ihakondisaun diak no laiha influensia alkohol bainhira halao manutensaun 7. Só permite de 'it traballadór sira ne'ebé hetan ona formasaun no esperiénsia atu asesu ba tanke armazenamentu iha rai okos ba inspesaun no manutensaun 8. Hala 'o manutensaun tuir rekomendasaun espesifikasaun	1. Hapara Servisu temporáriu bainhira iha asidente ka insidente 2. Evakua kanek iha fatin seguru 3. Aplika primeiru ajuda hodi halo tratamentu ba servisu-na 'in ne'ebé kanek la to 'o, 4. Evakua traballadór sira ne'ebé kanek todan ba ospitál ka klínika ne'ebé besik liu ka númeru	1. Investigakauza asidente 2. raballadór 3. ompilasaun Traballadór sira, karik presiza 4. Halo rejistu loloos kona-ba insidente ne' e inklui rezultadu investigasaun no halo gravasaun ne'ebé disponivel baANPM 5. Reastu medida preventiva sira ne'ebé eziste no

			no prosedimentu 9. Tenke fornese númeru kontaktu emerjénsia iha fasilidade ne' e no halo traballadór sira hatene kona-ba ne 'e 10. Fornese pakote ajuda dahuluk iha fatin neebéasesivel iha fasilidade 11. Inspesaun ba kanu kombustivel aterru no dispenser nia kondisaun tenke rejista no disponivel ba autoridade relevante tuir pedidu 12. Tenke tau iha fatin ba manutensaun no hadi' a tanke armazenamentu rai iha rai okos atu halo auditoria esterna karik autoridade husu. 13. Asegura atu servisu iha ekipa ida ho ema nain rua ka liu 14. Operador tenke garante katak pesoál sira ne'ebé hetan apoiu dahuluk no koñesimentu kona-ba tiru ahi sei aprezenta iha fasilidade durante manutensaun ekipamentu ne' e. 15. Supervizaun másimu husi jerente fasilidade ba atividade sira	kontaktu emerjénsia ba asisténsia evakuasaun nian 5. Notifika ANPM kona- ba insidente 6. Supervizaun másimu husi jerente fasilidade ba atividade sira no traballadór nebee kanek	implementa resultadu 6. Asegura k 7. Supervizaun másimu husi jerente fasilidade ba atividade sira no traballadór nebee kanek

		Espozisaun ba manas tebes durante manutensaun tanke armazenamentu iha raiokos, flauta kombustivel	1. Propriedade PPE tenke fornese ba kompania 2. Presiza uza PPE antes halo manutensaun 3. Serbisu maka 'as bainhira temperatura manastebes 4. Bee ka hemu alternativu seluk hodi sosa ai-han tenke prepara 5. Traballadór sira tenke hemu bee ka hemu alternativu seluk beibeik atu hetan ai-han natoon 6. Pakote dahuluk ba ajuda tenke prepara nolokaliza iha fatin neebé asesivel 7. Operador tenke asegura katak funsionáriu idaho koñesimentu no abilidade ba dahuluk atu marka prezensa iha fatin durante atividade manutensaun 8. Operador tenke asegura katak atu kontrata konsultór ne'ebé iha kompeténsia no koñesimentu atu hala 'o manutensaun no garante manutensaun sei hala' o bazeia ba prosedimentu 9. Tenke fó númeru kontaktu emerjénsia ba 10. traballadór no traballadór sira atu hatene kona- ba ida-ne 'e 11. Asegura atu iha ekipa ida ho ema	1. Servisu temporáriu bainhira iha asidente ka insidente 2. Evakuada kanek iha fatin seguru 3. Aplika primeiru ajuda atu halo tratamentu la seguru no hamanas tan Traballadór sira 4. Aplika primeiru ajuda no Evakuasériu ba pesoál neebé serbisu iha ospitál ka klinika neebé besik liu ka númeru kontaktu	1. Investigakauza asidente 2. Traballadór 3. Fó kompensasaun ba traballadór sira, se presiza 4. Halo rejistu loloos kona-ba insidente ne'e inklui rezultadu investigasaun no halo gravasaun ne'ebé disponivel ba ANPM 5. Reastu 6. Asegura katakmedida n 7. Supervizau

			nain rua ka liu 12. Supervizaun másimu husi jerente fasilidade baatividade sira	emerjénsia 5. S upervizaun Máximo husi Jerente fasilidade ba atividade no traballadór nebee kanek	n másimu husi jerente fasilidade ba atividade sira traballadór nebee kanek

		Órgánika Volatil sai tantanke armazenamentu nian, flauta kombustivelno dispenser	1. Asegura katak tanki rai mamuk, flauta no dispenser mamuk antes halo manutensaun 2. Asegura katak tanki armazenajen iha rai okos, flauta no dispenser livre husi VOC molok halao manutensaun 3. VOC hamoos tenke tuir prosedimentu no tenke hala ' o husi traballadór kompetente no esperiente 4. Hare ho VOC nia ekipamentu deteksaun hodi asegura VOC hamoos hotu ona antes halao manutensaun 5. So fo lisensa ba trabalhador sira nebe treinaduka iha esperiensia atu halao manutensaun 6. Kompanhia ne' e tenke fornese Unidade PPP ne'ebe apropriadu 7. Asegura katak PPE apropriadu uza ona molokasesu ba tanke armazenamentu rai iha rai okos 8. Asegura katak iha ekipa husi tanke armazenamentu rai durante loron rua ka liu 9. Kompaña asisténsia primeiru tenke fornese husiempreza iha fatin neebé asesivel	1. Hapara atividade ne'e husik kombustivel 2. A plika primeiru ajuda ba traballadór sira neebé sofre husi VOC ka/no númeru kontaktu emerjénsia ba evakuasaun 3. Supervizaun Máximo husi Jerente fasilidade ba atividade sira	1. raballadór 2. ó kompensa saun ba traballadó r sira, bainhira presiza 3. Halo rejistu loloos kona-ba insidente ne'e inklui rezultadu investigas aun no halo gravasaun ne' ebé disponivel ba ANPM 4. Reastu 5. Ase gura kata kmedida n 6. S upervizau n Máximo husi Jerente

			10. Operador tenke asegura katak funsionáriu idaho koñesimentu ba dahuluk kona-ba apoiu atu aprezenta iha fatin durante atividade manutensaun 11. Supervizaun Máximo husi Jerente fasilidade ba atividade sira		fasilidade ba atividade sira

		Ahi han no esplozaun durante tanke armazenamentu iha raiokos, flauta kombustivelno dispenser	1. Empreza sei hakotu operasaun fasilidade bainhira hala 'o manutensaun ba tanke armazenamentu rai okos, kanu kombustivel no dispenser sira 2. Operadór tenke notifika ANPM molok halo manutensaun ba tanke, kanu no dispenser inklui informasaun kona-ba esperiénsia/kompeténsia no prosedimentu manutensaun ró nian 3. Asegura katak tanki armazenajen iha rai okos, kanu kombustivel no dispenser seguru molok hala' o manutensaun 4. Manutensaun, alterasaun no reparasaun ba tanke armazenamentu, dispenser no kanu kombustivel tenke hala 'o de' it husi traballadór esperiente 5. Operador tenke asegura katak manutensaun ne 'e hala' o bazeia ba prosedimentu 6. Asegura kit ajuda dahuluk no ahi atu hamate ahi sei asesível ba fatin 7. Operador tenke garante katak pesoál sira ne 'ebé hetan apoiu dahuluk no koñesimentu kona- ba tiru ahi sei marka prezensa iha fasilidade ne' e	1. Hapara Atividade ne 'e temporariamente bainhira akumula hela gás sira iha ka iha tanke nia li' ur no iha kanu kombustivel nian sira 2. Bainhira ahi han buat ruma, atividade ne 'e sei hala' 3. Planu resposta ba ahi ativu 4. Bolu asisténsia karik ahi lakan hela 5. Evakuada kanek traballadór sira iha área seguru 6. Aplika primeiru asistensia 7. Evakua traballadór sira ne 'ebé kanek todan ba ospitál ka klínika ne' ebé besik liu ka númeru kontaktu	1. Investiga fonte ahi nian 2. raballadór konsultór tenke rekupera 3. Fó kompensasaun ba traballadór sira, se presiza 4. Halo rejistu loloos kona-ba insidente ne'e inklui rezultadu investigasaun no halo gravasaun ne' ebé disponivel ba ANPM 5. Reastu 6. Asegura kata kmedida ne'ebé

			durante manutensaun ekipamentu sira ne 'e 8. Asegura katak la iha gás ne' ebé akumula ihatanke ka kanu kombustivel nian sira ka iha li 'ur hosi kanu tanki no kombustivel sira molok atu hala' o manutensaun 9. Evita atu fuma bainhira hala 'o manutensaun 10. Sistema eletrisidade la liga ba tanke armazenajen no dispenser molok hala' o manutensaun 11. Manutensaun ba sinál sira tenke hatudu molok hala 'o atividade 12. veikulu limita sira atu tama iha fasilidade durante manutensaun 13. Barricade fatin manutensaun 14. Presiza uza PPE bainhira hala ' o korrente 14. Halo avaliasaun risku antes halao operasaun iha fasilidade no operador sei notifika ANPM antes halao atividade hanesan soldadur 15. Fó númeru kontaktu emerjénsia nian no halo traballadór sira hatene kona-ba ne 'e	emerjénsia ba asisténsia evakuasaun nian 8. Notifikasaun 9. Supervizaun Máximo husi Jerente fasilidade	presiza hala'o molok atu hala' o fali atividade manutensaun nian 7. Supervizaun Máximo husi Jerente fasilidade ba atividade sira

			16. Rejistu ba servisu ruma ne' ebé halo kona-ba kanu ne 'e tenke inklui inspesaun ba kanu sira ne' e nia servisu no mós 17. Labele husik dispenser aat sira atu uza/atividae 18. Kontrola fonte sira iha área perigu 19. Funsionáriu sira labele ativu bainhira fonte potensiál sira marka prezensa. 20. Hafoin halo manutensaun, dispenser tenke koko molok uja ba operasaun no operador sei notifika ANPM ba verifikasaun no calibrasaun 21. Dispensa sira tenke ajusta tuir rekomendasaun espesifikasaun no ho autoridade nebee autorizaInspection to pipes and dispensers should be conducted regularly for leaks and deterioration 22. Kontinua rejista kualkér serbisu ne 'ebé hala' o ba kanu kombustivel, tanke armazenamentu no dispenser sira 23. Asegura atu iha ekipa ida ho ema nain rua ka liu 24. Supervizaun Máximo husi Jerente fasilidade ba atividade		

• Canopy, lutu, rai no /ka, s uporta eskritóriu • Servisu fatin nebee as		*Asidente ka insidente relasiona ho manutensaun*	1. Manutensaun ne 'e tenke hala'o husi traballadórformadu no esperiente sira ka empreiteiru sira 2. Se karik manutensaun ne 'e la'o hela, operador sei hapara operasaun fasilidade nian 3. Halo avaliasaun risku no tau iha fatin medidasira molok hala 'o instalasaun ne' e. 4. Presiza uza PPE ne'ebé adekuadu antes hala' o atividade manutensaun 5. Dezenvolve no implementa planu sira bamanutensaun fasilidade nian 6. Bareira no guarda sira nesesáriu atu proteje funsionáriu sira, no bainaka sira hosi perigu fíziku sira. 7. Sinais seguransa presiza tau iha fatin durante atividade manutensaun. 8. Estabelese sistema rejistu ambientál. 9. Asegura katak atividade nee tenke hapara bainhira kanopa mantein iha manutensaun nia laran. 10. Asegura katak advogada sira uza atu prevene ema tama ba illa bomba bainhira kanopa tama hela iha manutensaun nia	1. Servisu temporáriu kuandu iha asidente ka insidente 2. Aplika primeiru ajuda atu halo tratamentu ba servisu-na 'in ne ' ebé kanek la to 'o, 3. Eva kua traballadór sira ne' ebé kanek todan ba ospitál ka klínika ne ' ebé besik liu ka númeru kontaktu emerjénsia ba asisténsia evakuasaun nian 4. otifikasaun 5. S	1. I nvestiga k auza asidente 2. Serbisu na 'in sira tenke sai di' ak fali molok atu hahú fali servisu 3. Fó kompensa saun ba servisu ne ' e se presiza 4. Halo rejistu loloos kona-ba insidente ne' e inklui rezultadu investigas aun no halo gravasaun ne'ebé disponivel baANPM 5. Reastu

			okos 11. Barricade tenke uza iha fatin halo manutensaun ba rai; hanesan ho didin-lolon no lutu 12. Sinál ne 'e tenke hatudu bainhira hala' ooperasaun ruma iha fasilidade ne 'e 13. Servisu a' as tenke iha ekipa ida husi ema na 'inrua ka liu 14. Asegura atu servisu iha serisu a' as molok hahú, 15. Asegura estrutura hodi servisu iha a ' as molokhahú servisu 16. Supervizaun másimu husi jerente fasilidade ba atividade sira	upervizaun Máximo husi Jerente fasilidade ba atividade sira	6. Ase gura kata kmedida n 7. Superv izaun másimu husi jerente fasilidade

		Espozisaun ba manas tebetebes	1. Servisu temporáriu bainhira temperatura manastebes 2. Traballadór sira tenke ajusta espozisaun to 'oloron manas 3. Traballadór sira tenke hakotu tuir orário servisu nian 4. Keta haluha sintomas manas neebé bele dehan 5. Uza PPE adekuadu no adekuadu 6. Bee tenke fornese iha fatin servisu 7. Traballadór sira tenke hemu bee beibeik atu raiai-han natoon 8. Asegura atu iha ekipa ida ho ema nain rua ka liu 9. Fornese pakote ajuda dahuluk iha fatin asesivel 10. Operadór tenke garante katak funsionáriu sira ne' ebé hetan koñesimentu dahuluk kona-ba apoiu sei marka prezensa iha instalasaun ne 'e durante manutensaun ekipamentu 11. Superviziona supervizaun másimu husi Jerente Projetu kona-ba atividade	1. Supervizór 2. Aplika primeiru ajuda atu halo tratamentu ba servisu-na 'in sira ne' ebé mak sofre hosi hamanas malu ka hetan tratamentu dradramátiku 3. Evakuada traballadór sira ne 'ebé sofre husi manas maka' as, stress ka tratamentu aat ba ospitál ne 'ebé besik liu ka klínika ka kontaktu emerjénsia ba asisténsia evakuasaun nian 4. Superviziona supervizaun másimuhusi Jerente Projetu kona-ba atividade	1. Husik trabalhadorekoporamolok atu hahú fali servisu 2. ó kompensasaun ba traballadór sira, bainhira presiza 3. Halo rejistu loloos kona-ba insidente ne'e inklui rezultadu investigasaun no halo gravasaun ne' ebé disponivel ba ANPM 4. Reastu 5. Asegura katakmedida ne'ebé presiza

					hala'o molok atu hala' o fali atividade manutensaun 6. Superviza un másimu husi Jerente Projetu kona-ba atividade sira
• Manutensaun ba sistema eletrisidade		*Eletrisidade relasionaduho asidente ka kanek*	1. Empreza ne 'e tenke permite de' it traballadór kompetente no esperiente sira atu halo manutensaun ba sistema eletrisidade nian 2. Operadór tenke hakotu operasaun instalasaun nian molok halo manutensaun ba sistema	1. Hala 'o atividade temporariamente bainhira akontese asidente ka insidente relasiona	1. Investigak auza asidente 2. Husik serbisune 'esaidi' ak liután

			eletrisidade nian 3. La pertense ba sistema eletrisidade ne 'ebé presiza atu hala' o manutensaun husi sirkulár prinsipál sira molok hala 'o atividade 4. Asegura atu bele utiliza fali eletrisidade so deit depois de halo manutensaun 5. Halo planu atu labele uza eletrisidade bainhira komponente eletrisidade iha manutensaun nialaran 6. Presiza uza PPE antes hala' o atividademanutensaun 7. Atividade manutensaun tenke hala 'o iha ekipa ida 8. Tenke fornese númeru kontaktu emerjénsia no halo traballadór sira hatene kona-ba ne' e 9. Fornese pakote ajuda dahuluk no ahi atu hamate fatin neebé asesivel 10. Operador tenke asegura katak pesoál sira ne 'ebé hetan apoiu dahuluk no koñesimentu kona-ba tiru ahi sei marka prezensa iha fasilidade durante manutensaun ekipamentu sira ne' e 11. Asegura atu iha ekipa ida ka rua	eletrisidade 2. Evakuada traballadór sira ka kontatu ho fatin seguru 3. Aplika primeiru ajuda atu trata traballadór sira ne' ebé seidauk hetan atendimentu ka kontratór 4. Evakua pesoál ne 'ebé kanek todan ka kontraente ba ospitál ka klínika ne ' ebé besikliu ka númeru emerjénsia hodi hetan asis	molok atu hahú fali servisu 3. Fó kompensasaun ba traballadór sira, sepresiza 4. Halo rejistu loloos kona-ba insidente ne 'e inklui rezultadu investigasaun no halo gravasaun ne' ebé disponivel ba ANPM 5. Reastu 6. Asegura kata kmedida ne'ebé presiza hala'o molok atu hala'

			ka liu 12. Supervizaun Máximo husi Jerente fasilidade ba atividade	ténsia evakua 5. S upervizau n Máximo husi Jerente fasilidade ba atividade sira	o fali atividade manuten saun nian 7. S uperviza un Máximo husi Jerente fasilidad e ba atividade sira
		Risku eletrika relasionaho Bombeiru no explozisaun ba asidenteka insidente	1. Empreza ne 'e tenke fó dalan ba traballadór ka empreiteiru sira ne'ebé iha esperiénsia atu halo manutensaun ba eletrisidade 2. Operadór tenke hakotu operasaun instalasaun nian molok halo manutensaun ba sistema eletrisidade nian 3. La pertense ba sistema eletrisidade ne'ebé presiza atu hala' o manutensaun husi sirkulárprinsipál sira molok	1. Hala'o atividade temporaria mente bainhira ahi han 2. Planu resposta ba ahiativu 3. Bolu asisténsia karikahi han ona	1. Investiga kauza husi ahi 2. Serbisu na 'in sira tenke sai di' ak fali molok atu hahú fali servisu 3. Fó kompensa saun ba

			hala 'o atividade 4. Halo planu atu minimiza utilizasaun eletrisidade wainhira komponente eletrisidade iha manutensaun nia okos 5. Presiza uza PPE antes hala' o atividade manutensaun 6. Asegura fatin no oinsa atu opera no /ka sirkular painél 7. Minimiza poténsia ba fakar bee ka kimiku iha ka besik ekipamentu eletrisidade 8. Teste sistema eletrisidade antes uza sistema nee 9. Asegura atu uza eletrisidade so bele deit depois de halo manutensaun ba eletrisidade 10. Fornese pakote ajuda dahuluk no ahi hamate ahiiha fatin neebé asesivel 11. Operador tenke garante katak pesoál sira ne'ebé hetan apoiu dahuluk no koñesimentu kona-ba tiru ahi sei marka prezensa iha fasilidade durante manutensaun ekipamentu ne' e. 12. Asegura atu iha ekipa ida ho ema nain rua ka liu 13. Supervizaun másimu husi jerente fasilidade ba atividade	4. Evakuada traballadór ka empreiteiru sira to' o fatin seguru 5. Aplika primeiru ajudaba traballadór ne'ebé la hetan kanek ka kontratór 6. Evakua traballadór sira ne'ebé kanek todan ba ospitál ne'ebé besik liu no klinika 7. otifikasaun 8. Supervizaun másimu husi jerente fasilidade ba atividade sira	traballadór sira, se presiza 4. Halo rejistu loloos kona-ba insidente ne'e inklui rezultadu investigasaun no halo gravasaun ne'ebé disponivel ba ANPM 5. Reastu medida preventiva sira ne'ebé eziste no implementa rezultadu 6. Asegura kata kmedida ne'ebé presiza hala'o molok atu hala' o fali

			sira		atividade manutens aun nian 7. S upervizau n másimu husi jerente fasilidade ba atividade sira

• Movimento veikulu (iha no • Konkorda ba kais, parede no infrastrutura sira seluk • Movimentu veikulu (iha no sai husi fasilidade) • Uza mákina • Uza jeradór backup • Produsaun lixu nosunu	**Impaktu Sosiál (impaktu ba saúde komunidade nian no seguransa)**	*Rai rahun (asuntu particulada) impaktu ba komunidade Flue gass/ ke 'e mina gass nia impaktu ba komunidade*	1. Rega area/tun-sae ho bee atu hanehan rai-rahunhusi suspende ar 2. Estabelese limite velosidade ba veíkulu sira ne'ebé halo operasaun iha área projetu laran no li' ur no tenke instala temporariamente sinál hodi fó hanoin ba kondutór sira 3. Asegura katak restu iha fasilidade nee hamoos beibeik atu evita akumulasaun rai-rahun 4. Prezumiu konkreta tenke halo ho didi 'ak atuevita redusaun simentu husi anin ne'ebé lori mai, liuliu iha loron anin nia laran. 5. Labele uza gas hodi kontrola emipamentus hanesan veikulus, machineries no jeradór 6. Manutensaun regular ba veíkulu no ekipamentu sira atu evita gasudutu 7. Hasees an husi mákina no mákina sira ne'ebé la nesesáriu 8. Manutensaun regular ba jeradór back-up 9. labele sunu foer iha fasilidade, maibé jere didiak no ba soe iha fatin dezignadu	1. Wainhira mosu keixahusi komunidade ne 'ebé hela hale' u niaservisu temporariamente 2. Resolve atu hatoo keixa molok atu hahu fali atividade 3. Númeru Kontaktu emerjénsia se iha konfrontu fíziku ne 'ebé envolve durantekeixa 4. Limpeza atu hamoos fo' er no atu soe iha fatin dezignada 5. Supervizaun másimuhusi Jerente Projetu kona-ba atividade sira	1. Polísia bele investiga ema sira ne ' ebé envolve 2. Halo rejistu lolooskona-ba 3. Reastu medid apreventiva sira ne'ebé eziste 4. Asegura k 5. Supervizaun másimuhusi Jerente Projetu kona-ba atividade sira

			10. Soil husi tanki tanki kik tenke maneja didiak nosoe iha fatin dezignada 11. Sinál jestaun fo'er ne'ebé apropriadu tenkehatudu iha fasilidade 12. Suspende servisu ne' e bainhira halo viajenloron 13. Fó hanoin fali ba kondutór sira atu labele hakatliu limitasaun ne'ebé estabelese ona ho velosidade 14. Fó hanoin fali ba traballadór sira atu jere no soefoer sira iha fatin dezignada 15. Superviziona supervizaun másimu husi jerenteProjetu ba atividade sira		

• Movimento Veíkulus (iha no sai husi fasilidade) • Movimentu ema la tama iha fasilidade		*Trafikante no asidente ka insidente iha fasilidade laran (tráfegujerál)*	1. Marka sinal ne 'ebé klaru atu haketak veikulu no ema la' o ain sira; 2. Funsionáriu dedikadu sira tenke aprezenta atu jere movimentu tráfegu no bisikleta iha fasilidade nia li 'ur 3. Asegura katak kondutór empreza iha kompeténsia atu halao operasaun ho seguru ba veíkulu sira ne' ebé sai hosi fasilidade ne 'e. 4. Operador tenke asegura katak kondutór iha lisensa válidu hodi tula veikulu uzadu kombustivel. 5. Fó sinál avizu iha entrada hotu-hotu no sai husi fatin ne ' e bainhira hala 'o atividade manutensaun sira 6. Fornese sinál ba movimentu neebé seguru ba veikulu no ema (dalan ba dalan ninin, barreira, zona seguru, la' o dalan seluk tan) 7. Introdús limitasaun velosidade velosidade velosidade ba kondutór kompañia sira ne 'ebé opera sai hosi fasilidade nia liur. 8. Kompañia nia kondutór tenke la' o tuir sinal tráfiku hotu-hotu iha estrada 9. Kondutór halo operasaun ba	1. Kondutór tenke tuir sinál tránzitu ka/no instrusaun polísia nian atu evita tránzitu 2. H afoin as idente trafiku ka insidente, kondutór tenke hapara kareta atu avalia asidente ka insidente 3. Ap lika pri meiru asistensia ba vítima ne ' ebé la hetan kanek 4. E vakua vítima ne' ebé kanek	1. Polisia bele investiga asidenti 2. Fó kompensasaun ba vítima se presiza 3. Halo rejistu loloos kona-ba insidente ne 'e inklui rezultadu investigasaun no halo gravasaun ne' ebé disponivel ba ANPM 4. Reastu medid apreventiva sira ne'ebé eziste 5. Supervizaun Maxima husi jestór fasilidade ba atividade sira

			kompañia sira neebé faan sasán iha fasilidade nia liur iha sirkunstánsia neebé la bele halo influensia alkol 10. Fornese númeru kontaktu emerjénsia iha veíkulu no kondutór sira tenke hatene númeru kontaktu emerjénsia 11. Pakote dahuluk ajuda nian tenke disponivel iha veíkulu sira ne ' ebé mak opera iha fasilidade niali' ur. 12. Kondutór sira tenke hetan formasaun atu uza kit dahuluk ba asisténsia nian no hetan sertifikadu formasaun 13. Supervizaun Máximo husi Jerente fasilidade ba atividade sira	todan ba ospitál ka klinika ne 'ebé besik liu ka liga ho n úmeru emerjênsia hodihetan 5. S upervizaun Máximo husi Jerente fasilidade ba atividade sira	
• Movimentu veikulu (iha no sai husi fasilidade) • Hala 'o		*impaktu barulhu no nakdedar ba komunidade*	1. Notifika komunidade kona-ba planu manutensaun no impaktu barullu husi atividade manutensaun nian 2. Hala 'o atividade manutensaun	1. Hapara atividade temporariamente bainhira iha keixa husi komunidade	1. olísia bele investiga ema sira ne ' ebé

manutensaun ba tanke armazenamentu iha rai okos, kanu kombustivel, kanopi,lutu, parede, fatin no apoiu ba edifisiu			durante oras servisu de' it. 3. Asegura katak barullu ne 'ebé prodús durante manutensaun la liu padraun másimu 4. Rekomenda atu uza tarutu uitoan no ekipamentu vibrasaun durante atividade manutensaun 5. Supervizaun Máximo husi Jerente fasilidade ba atividade sira	sirane' ebé besik ne 'e 2. Resolve keixa molokatu hahu fali servisu 3. Kontaktu polisia se iha konfrontu fíziku ne ' ebé involve durante keixa 4. Supervizaun Máximo husi Jerente fasilidade ba atividad sira	envolve 2. nvestiga karik iha estragu proprieda de komunida d nia nneebé kauza husi vibrasau durante halao atividade manutens aun 3. K omplikasa un wainhira iha vibrasaun durante atividade destroi komunida de nia proprieda de 4. Halo rejistu loloos ba keixa sira inklui

					rezolusaun no halo gravasaun ne' ebé disponivel ba ANPM 5. Reastu medida preventiva sira ne 'ebé eziste no implementa rezultadu 6. Asegura katak medida ne'ebé presiza hala'o molok atu hala' o fali atividade manutensaun nian 7. Supervizaun Máximo husi Jerente fasilidade ba atividade

					sira
• Hala 'o manutensaun ba t armazenamentu kanu kombustivel kanopy, fatin no apoiu ba edifisiu • Hala' o manutensaun ba sistema eletrisidade,		*Risku sunu ka esplozaun impaktu ba komunidade*	1. Aplika medida mitigasaun ba prevensaun husi manutensaun ba tanke armazenamentu ba rai iha rai okos, kanu kombustivel, dispenser no manutensaun ba sistema eletrisidade atu prevene mosu esplozaun ba potensia impaktu ba komunidade sira ne 'ebé hela besik iha baze.	1. Aplika medida mitigasaun no responde ba asaun sira husi hala 'o manutensaun tanke armazenamentu kombustivel, kanu kombustivel, dispenser no manutensaun sistema eletrisidade atu nune' e bele evita esplozivu ba ahi potential have impact on community surrounding	1. Aplika medida mitigasaun ba asaun korretiva husi hala 'o manutensaun ba tanke armazenamentu ba rai o kos, kanu kombustivel, dispenser no manutensaun sistema eletrisidade atu nune' e bele evita esplozaun ba impaktu potensiál ne'ebé iha b a komunidade sira ne' ebé

					hela besik iha área ne 'e.
• Atividade manutensaun • Atividade manutensaun • atividade manutensaun atu lanser • atividade manutensaun ba sistema tratamentu bee fo 'er	**Kualidade rai, Kualidade bee (bee matan no bee rai-okos)**	*Rai, be 'e rai leten no polusaun bee nian tanbamina nakfakar no be' e kuak*	1. So fó dalan ba traballadór kompetente ka empreiteiru sira atu hamoos petróleu iha tanke armazenamentu nian okos 2. Prosedimentu konaba tanke, kanalizasaun no manutensaun ba ró sei estabelese no submete baANPM 3. Operador tenke asegura katak serbisu ne 'e hala' o bazeia ba prosedimentu 4. Asegura katak tanke sira ne 'e mamuk, flauta kombustivel ne' e gratuita, no dispenser sira mamuk antes halo manutensaun 5. Kualkér asidente nakfakar ka bee kuak (hanesan mina no lubritas) tenke hamoos kedas ho prosesu no ekipamentu adekuadu no tenke soe iha fatin dezignada 6. Operador tenke garante katak ekipamentu resposta nakfakar disponivel iha fatin durante atividade manutensaun 7. Autoridade relevante tenke notifika molok hala ' o atividade hamoos tanke	1. Ha para ati vidade manutensa un se leak ne 'e deteta 2. mportante katak hamoos asidentál nakfakar ka bee kuak hosi armazenaj en iha rai okos, kombustiv el 3. Soe fo 'er sira iha fatin ne' ebé dezigna 4. S upervizaun Máximo husi Jerente fasilidade	1. N otifikasau n autoridad e meiu-ambientál ba kualkér kontamin asaun 2. Rek omendasa un tenke hala'o bainhira hetan ona kontamin asaun 3. Halo rejistu loloos no halo gravasaun ne ' ebé disponivel ba ANPM 4. Reastu medida preventiv a sira ne 'ebé eziste no

			8. Supervizaun Máximo husi Jerente fasilidade ba atividade	ba atividade n opoluisaun	implementa rezultadu 5. Asegura katak medida ne'ebé presiza hala'o molok atu hala' o fali atividade manutensaun 6. Superviza un Máximo husi fasilidade ba Atividade sira
		Petróleu ne 'ebé fura husi tanki armazenajen iha rai okos	1. So fó dalan ba traballadór kompetente kaempreiteiru sira atu hamoos petróleu iha tanke armazenamentu nian okos	1. H apara atividade no hamoos la Atividade petróleu	1. N otifikasa un autorida de mei u-ambientál ba

			2. Ita tau iha kuadru okos husi tanke armazenamentu nian tenke halibur ho kuidadu no soe iha fatin própriu ka/no dezignadu 3. Tenke hasai mina iha sistema tratamentu bee no bee moos molok hala 'o manutensaun ba sistematratamentu bee moos 4. Mina-rai hosi tratamentu bee tenke soe iha fatin própriu ka/no fatin dezignadu 5. Tenke prepara ekipamentu resposta ho moras iha fatin 6. Supervizaun Máximo husi Jerente fasilidade ba atividade sira	uza métodu hamoos sala apropriadu bainhira fakar ka fakar bee nia kuak 2. Supervizaun Máximo husi Jerente fasilidade ba atividade sira	kualkér kontaminasaun 2. Rekomendasaun tenke hala'o bainhira hetan ona kontaminasaun 3. Halo rejistu loloos no halo gravasaun ne ' ebé disponivel ba ANPM 4. Reastu medida preventiva sira ne'ebé eziste no implementa rezultadu 5. Ase

					gura katak medida ne'ebé presiza hala'o molok atu hala' o fali atividade manuten saun 6. Superviz aun Máximo husi fasilidade ba atividade sira
• Soe ka fakar sai durante manutensaun • Bombeiru ka esplozaun durante manutensau n	**Imp aktu ekol ojia**	*Impaktu hosi bee-kuak (ka nakfakar) no ahi (ka/no/no esplozivu) ba Vegete no animál sira*	1. So fó dalan ba traballadór kompetente ka empreiteiru sira atu hamoos petróleu iha tanke armazenamentu nian okos 2. Operador tenke asegura katak manutensaun hala 'o bazeia ba prosedimentu ne' ebé estabelese ona 3. Ita tenke tau iha kuadru okos husi tanke armazenamentu nian ho kuidadu no atu soe iha fatin própriu ka/no dezignadu 4. Asegura katak tanke sira ne 'e mamuk, flauta kombustivel ne'	1. apara atividade ne 'e no imediatam ente fakar ka nakfera hosi tanki armazenaj en iha rai okos, kanu kombustiv el 2. Soe fo 'er hirak ne ' e hodi hili	1. Investiga kauza hosi bee kuak (ka nakfakar) no ahi (ka/no esplozaun) 2. otifikasau n autoridad e ambientál

			e gratuita, no dispenser sira mamuk antes halo manutensaun 5. Oils iha sistema tratamentu bee tenke hasai tiha no bee tenke suli molok hala 'o manutensaun ba sistema tratamentu bee 6. Prepara no fornese ekipamentu funu nian durante manutensaun 7. Ekipamentu resposta moras tenke disponivel ihafatin 8. Supervizaun Máximo husi Jerente fasilidade ba atividade sira	fatin 3. Se ahi la to 'o, kontrolu ba ahi bazeia ba planu resposta ahi 4. ontaktu Departamentu ahi hodi fó asisténsia bainhira ahi la kontrola 5. Supervizaun Máximo husi Jerente fasilidade ba atividade no poluisaun	3. Rekomendasaun tenke hala'o bainhira hetan tiha kontaminasaun 4. Halo rejistu loloos no halo gravasaun ne ' ebé disponivel ba ANPM 5. Reastu medida preventiva sira ne 'ebé eziste 6. Asegura katak medida ne'ebé presiza hala'o molok atu hala' o fali atividade manutensaun nian 7. Supervizaun Máximo

					husi fasilidade ba atividade sira
• Ahi han no explozosaun, no Espésie durante manutensaun • Produsaun fo 'er nosunu fo' er	**Impaktu ekonomia no agrikultur**	• *Ahi han no esplozaun, no Impaktu sira hosi atividade ekonómika (kios, merkadu, loja no atividade agrikultura)* • *Lixu ba rai agrikultura*	1. Operador tenke notifika prosedimentu manutensaun ANPM no estabelese no disponivelba ANPM 2. So de 'it mak bele hetan esperiénsia atu halo manutensaun 3. Asegura katak tanki armazenajen, kanu kombustivel no dispenser livre hosi kombustivel molok halo manutensaun 4. Prosedimentu ba ahi no resposta nakfakar seiestabelese 5. Prepara no fornese ekipamentu resposta nakfakar bazeia ba prosedimentu ne' ebé estabelese ona	1. Hapara Atividade ne 'e temporariamente se nakfakar /ahi ne' e deteta 2. ase kedas asidente nakfakar ka bee kuak hosi armazenajen iha rai okos, kombustivel 3. Kombate	1. Investiga kauza ahi ka/no esplozaun, fakar ka nakfera 2. Fó kompensasaun baema sira ne ' ebé afetadu karik presiza 3. Halo rejistu loloos no halo gravasaun ne ' ebé disponivel ba ANPM 4. Reastu medid apreventiva

			6. Ahi no nakfakar tenke hala 'o hodi koko prosedimentu no asegura resposta lalais 7. Ema ne' ebé fui mina labele han buat ne ' ebé hasa' e ona nu 'udar sakrifísiu 8. Hamos fo' er tenke maneja ho di ' ak no ba soe iha fatin dezignada 9. Fornese número kontaktu emerjénsia iha fasilidade no halo traballadór sira hatene kona- ba nee 10. Supervizaun Máximo husi Jerente fasilidade ba atividade	ahi ne' e bazeia ba planu resposta ba ahi ne'ebé estabelese ona 4. K ontaktu departame ntu ahi ba asisténsia bainhira ahi kontrola hela no hahú afeta kios kaloja sira ka merkadu 5. akfakar ka fakar mina nia kuak no lubrifikant e 6. Departame ntu Kontaktu ahi bainhira fakar ka nakfera afeita rai	sira ne'ebé eziste 5. Asegura k 6. Supervizaun Máximo husi J erente fasilidade

				agrikulturál ka propriedade siraseluk 7. Supervizaun Máximo husi Jerente fasilidade ba atividade sira	
DESMANTELAMENTU					

• Movimentu veíkulu sira(iha projetu/fasilidade laran no sai husi porjetu/fasilidade) • Uza mákinaria bo'ot • Produsaun lixu no sunu lixu	Kualidade Ar	*Impaktu kualiadade ár tamba Rai rahun (dust/particulate matter) no suar husi kombustaun*	1. Rega fatin nebe rai rahun barak regularmentu atu rai rahun labele suspende iha anin, 2. Halo lutu hale 'u fatin dezmantelamentu nian atu satan rai-rahun se presiza 3. Redus velosidade veíkulu ne'ebé tama no sai husi demolisaun 4. Halo manutensaun regular ba veíkulu sira no ekipamentu sira ne'ebé uza ba dezmantelamentu atu evita emiti suar ba anin 5. Labele uza veíkulu no makinaria bo'ot sira ne'ebé make emite suar la kontroladu 6. Para servisu wainhira anin maka'as 7. Estabelese velosidade limitadu ba veíkulu sira ne' ebé halo operasaun iha área projetu laran no li'ur no tenke instala temporariamente sinál velosidade iha projetu ne' e atu fó hanoin ba kondutór sira, 8. Hamate tiha veíkulu ho ekipamentu sira nia motor nebe mak la persija halo moris Fó hanoin kondutór sira atu labele lori veíkulu halai liu limitasaun velosidade ne'ebé estabelese ona 9. Fo hanoin traballadór sira atu jere no soe fo'er no soe iha fatin dezignadu 10. Labele sunu lixu iha area projetu/fasilidade, maibe here no	1. Hapara servisu temporáriu ,se atividade produs rai-rahun barak 2. Hapara uza karet a no mákinaria bo'ot sira ne'ebé emiti suar barak 3. Keixa ruma nebe mak simu husi viziñu tenki hato'o ba proponent no tenki halo asaun ba atu hamenus rai-rahun 4. Supervizaun másimu	1. Kuda fila fali Ai- hun sira ka duut hafoin atividade dezmantelamentu 2. Avalia fali medida preventiva sira ne'ebé eziste no implementa rezultadu 3. Halo manutensaun ba ekipamentu no veíkulu konstrusaun sira, bainhira sira emite suar maka'as 4. Medida nesesáriu tenki iha ona molok hahu hikas fali atividade 5. Supervizaun másimu husi jerente fasilidade ba atividade sir

			soe iha fatin dezignadu 11. Sináis jestaun fo'er ne'ebé apropriadu tenke tau iha projetu/fasilidade 12. Supervizaun másimu husi jerente fasilidade ba atividade sira		

• Movimentu veíkulu sira tama sai projetu/fasilidade) • Uza makinaria todan • Demolisaun • Produsaun lixu no sunu lixu	**Traballadór sira nia Saúde no Seguransa (OHS)**	*Rai rahun (particulate matter) no suar/gas husi prosesu kombustaun nebe iha impaktu ba traballadór*	1. Rega fatin nebe rai rahun barak regularmentu atu rai rahun labele suspende iha anin, 2. Introduz limitasaun velosidade ba veíkulu sira hodi tama no sai husi fatin projetu 3. Halo manutensaun regular ba veíkulu sira no ekipamentu sira uza dezmantelamentu atu evita emiti suar ba anin 4. Estabelese velosidade limitadu ba veíkulu sira ne' ebé halo operasaun iha área projetu laran no li'ur no tenke instala temporariamente sinál velosidade iha projetu ne' e atu fó hanoin ba kondutór sira, 5. Hamate tiha veíkulu ho ekipamentus nia motor nebe mak la persija halo moris Prepara no fornese ekipamentu protesaun pesoál (PPE) no tenki haree didial katak traballadór mak halo servisu 6. traballadór siraFó hanoin kondutór sira atu labele lori veíkulu halai liu limitasaun velosidade ne'ebé estabelese ona 7. Fo hanoin traballadór sira atu jere no soe fo'er no soe iha fatin dezignadu 8. notifika sofer sira atu redus velosidade Ve'ikulu nian wainhira tama said porjetu/fasilidade 9. Labele sunu lixu iha area projetu/fasilidade, maibe here no soe iha fatin dezignadu	1. Hapara servisu temporáriu se ,se atividade produs rai-rahun barak 2. Hapara uza karet a no mákinaria bo'ot sira ne'ebé emiti suar barak 3. Supervizaun másimu husi jerente projetu/fasilidade ba atividade sira	1. Manutensaun ne'ebé adekuadu ba mákina todan no veíkulu 2. Avalia fali medida preventiva sira ne'ebé eziste no implementa rezultadu 3. Medida nesesáriu tenki iha ona molok hahu hikas fali atividade 4. Supervizaun másimu ba projetu/atividade sira no traballadór moras sira

			10. Sináis jestaun fo'er ne'ebé apropriadu tenke tau iha projetu/fasilidade 11. Supervizaun másimu husi jerente projetu/fasilidade ba atividade sira		
• Hamos pipa no tanki armajementu		*Impaktu kompostu orgániku volatil (bele bolu VOCs) ba traballadór sira*	1. Tenke haree didiak katak tanki armazenamentu mamuk los ona no livre ona husi VOC molok hit sai husi basia retensaun 2. Tenke haree didiak katak pipa mina nian maran ona no livre ona husi VOCs molok sobu rezliga husi tanki rai okos no bomba kombustivel 3. Tenke haree didiak katak bomba kombustivel livre ona husi VOCs	1. Hapara serbisu karik 2. Supervizaun másimu	1. Avalia fali 2. Medida nesesáriu tenki iha ona molok hahu hikas fali atividade 3. Supervizaun másimu ba projetu/atividade sira no

			mak foin sobu 4. Fornese material PPE ba traballadór hotu involve iha atividade sobu sasan 5. Prosedimentu tenki estabelese atu sobu ekipamentu ne'ebé kontein VOCs 6. Operador tenke tenki kontrata traballadórkontrator ne'ebé kompetente no esperensia atu halo atividade dezmantelamentu 7. Operado tenki haree didiak katak atividade neb'e mak hala'o tenki tuir prosedumenut ne'ebé mak estabelese ona 8. Sempre hahú atividade ho informasaun seguransa 9. Uja PPE ne'ebé propriu 10. Supervizaun másimu husi jerente projetu/fasilidade ba atividade sira		traballadór moras sira

• Halo servisu la para iha rai nebe mak manas tebes nia laran		*Traballadór sira servisu iha rai nebe manas maka'as nia laran*	1. Traballadór sira tenke ajusta sira nia isin ba rai manas to sira nia isin toman ho manas 2. Notifika supervizór kona-ba fatór risku pesoál 3. Estabelese orário deskansa 4. Fornese material PPE apropriadu ba traballador sirahotu ne'ebí involve iha atividade 5. Operador tenke haree didiak katak traballadór uza PPE propriu 6. Prepara bee ka líkidu alternativu ruma ne'ebé bele halo traballadór sira labele dezidrata (bee iha isin lakon barak) 7. Prepara preimeiru sokurru iha area nebe fasil atu asesu ba 8. Perrmite deit traballador sira ne'ebé iha sertifkadu atu performa priemeiru sokurru ne'ebé 9. La bele ignora simtomas posibilidade isin manas makas 10. Deskansa wainhira halo kole 11. Fornese informasaun seguransa antes halao atividade 12. Ekipamentu premeiru sokurru tenki tau iha area projetu no tenki iha staff ida ne'ebé ho koiñesementu primeiru sokurru tenki iha area projetu 13. Supervizaun másimu husi Jerente projetu/fasilidade ba atividade sira	1. Hapara servisu temporáriu bainhira iha traballadór sira ne'ebé sofre hosi manas 2. Aplika primeiru sokurru ba traballadór sira ne'ebé kole ka sofre hosi manas makas iha isin 3. Evakua traballadór sira bainhira sira sofre isin manas makas ba ospitál ka klinika ne'ebé besik liu ka kontaktu númeru emerjénsia hodi hetan asisténsia evakuasaun 4. Supervizaun másimu husi Jerente projetu/fasili	1. Husik traballadór sira rekupera molok sira hahú servisu 2. Fó kompensasaun ba traballadór sirabainhira presiza 3. Avalia fali medida preventiva sira ne'ebé eziste no implementa rezultadu 4. Medida nesesáriu tenki iha ona molok hahu hikas fali atividade 5. Supervizaun másimu husi jerente ba projetu/ atividade sira

				dade ba atividade sira	
• Movimentu veíkulu • Servisu ho mákina bo 'ot • Servisu iha fatin ne'ebé a' as		*Risku kanek relasiona ho asidente (veíkulu, ekipamentu knár toda,ne'ebé servisu iha a' as, nsst.)*	1. Permite deit Traballadór kompetente sira atu halo servisu 2. Permite deit kondutor kompetente atu halao operasaun ba veíkulu no makinaria bo'ot sira 3. Introdús limitasaun velosidade iha area projetu ba veíkulu sira ne'ebé mak sai no tama iha area projetu 4. Hala'o enkontru seguransa bebeik 5. Rekoñese perigu no fornese planu atuminimiza risku 6. Tenki uza PPE wainhira servisu iha	1. Hapara servisu temporáriu bainhira asidente ka insidente akontese kaema ruma kanek ruma durante atividade 2. Aplika primeiru	1. Fó kompensasau bainhira presiza 2. Halo dokumentasaun loloos kona-ba insidente ne'e no disponivel iha fatin

			fatin aas 7. Iha kualker tempu traballadór sira tenke haree didiak wainhira Traballadór sira iha uma-kakuluk no aldame, medida prevensaun kontra falénsia tenki iha ona. 8. tenki servisu iha ekipa kompostu husi ema nain rua ka liu 9. Prevene objetu atu monu 10. Fornese númeru kontaktu emerjénsia 11. Ekipamentu premeiru sokurru tenki tau iha area projetu no tenki iha staff ida ne'ebé ho koiñesementu primeiru sokurru tenki iha area projetu 12. Fo hanoin fali ba trabalhador sira atu uza PPE propriu molok serbisu 13. Fo hanoin hikas fali kona-ba limitasaunvelosidade iha area projetu/fasilidade 14. Supervizaun másimu husi jerente projetu/fasilidade ba atividade sira	sokurru atu halo tratamentu ba traballadór ne'ebé la kanek todan 3. Evakua traballadór sira ne'ebé kanek todan ba ospitál ka klinika ne'ebé besik liu, ka kontaktu númeru emerjénsia ba asisténsia evakuasaun nian 4. Supervizaun másimu husi jerente projetu/fasilidade ba atividade sira no ba traballadór sira ne'ebé kanek	projetu 3. Avalia fali medida preventiva sira ne'ebé eziste no implementa rezultadu 4. Medida nesesáriu tenki iha ona molok hahu hikas fali atividade 5. Supervizaun másimu husi jerente projetu/fasilidade ba atividade sira no ba traballadór ne'ebé kanek

• Halo Dezmantelamentu ba komponente fasilidadenian		*Asidente ne'ebe relasiona ho servisu mekaniku*	1. Rekruta ema iha esperiénsia relasiona ho servisu 2. Rekruta kontrator/traballadór ne'ebé iha koñesimentu kona-ba ekipamentu mekaniku nia perigu 3. Prevene isin atu halo kontaktu ba movimentu ekipamentu nia parte nebe mak perigu 4. tenki haree didiak atu label iha objetu nebe mak monu ba parte ekipamentu ne'ebé mak bo'ok an hela 5. Fornese material PPE no traballadór sira tenki uza tenki uza PPE ne'ebé propriu molok halo servisu 6. Fo hanoin fali ba trabalhador sira atu uza PPE ne'ebé propriu molok atu servisu 7. Ekipamentu premeiru sokurru tenki tau iha area projetu no tenki iha staff ida ne'ebé ho koiñesementu primeiru sokurru tenki iha area projetu 8. Supervizaun másimu husi jerente projetu/fasilidade ba atividade sira	1. Hapara servisu temporáriu bainhira asidente ka insidente akontese kaema ruma kanek ruma durante atividade 2. Aplika primeiru sokurru atu halo tratamentu ba traballadór sira ne'ebé la kanek todan 3. Evakua traballadór sira ne'ebé kanek todan ba ospitál ka klinika ne'ebé besik liu, ka kontaktu númeru emerjénsia ba asisténsia evakuasaun nian 4. Supervizaun másimu husi jerente	1. Fó kompensasaun, bainhira presiza 2. Halo dokumentasaun loloos kona-ba insidente ne'e no disponivel iha fatin projetu 3. Avalia fali medida preventiva sira ne'ebé eziste no implementa rezultadu 4. Medida nesesáriu tenki iha ona molok hahu hikas fali atividade 5. Supervizaun másimu

				projetu/fasilidade ba atividade sira	

		Servisu iha fatin konfinamentu	1. Prosedimentu atu tama ba fatin klot (cofined space) tenki estabele no operador tenki haree didiak atu tamba ba fatin klot ne'e tuir prosedimentu 2. Permite deit traballadór ka kontrator nebe mak kompetente atu halo servisu iha fatin ne'ebé klot (confined space) 3. Operador tenki fornese informasaun koknaba kontrator and prosedimentu ba ANPM molok atu hala'o atvidade 4. Uza ekipamentu protesaun respiratóriu atu servisu iha fatin klot (confined space) 5. Fornese mateiral PPE no pesoál tenke uza PPE antes atividade 6. Tenki servisu ho ekipa kompostu husi ema nain 2 ka liu 7. Fó hanoin fali ba traballadór sira atu servisu iha ekipa ida 8. Fo hanoin fali ba trabalhador sira atu uza PPE ho diak 9. Ekipamentu premeiru sokurru tenki tau iha area projetu no tenki iha staff ida ne'ebé ho koiñesementu primeiru sokurru tenki iha area projetu 10. Ssupervizaun másimu husi jerente Projetu/fasilidade ba atividade	1. Hapara servisutemporáriu bainhira asidente ka insidente akontese 2. Salva traballadór ne'ebé kanek husi fatin klot (confined space) 3. Aplika primeiru sokurru hodi halo tratamentu ba traballadór ne'ebé lakanek todan 4. Evakua traballadór sira ne'ebé kanek todan ba ospitál ka klínika ne'ebé besik liu ka númeru emerjénsia hodi hetan asisténsia evakuasaun 5. Supervizaun másimu	1. Husik traballadór sira rekupera kompletamnente molok servisu hikas fali 2. Fó kompensasaun ba traballadór sira, bainhira presiza 3. Halo dokumentasaun loloos kona-ba insidente ne'e no disponivel iha fatin projetu 4. Avalia fali medida preventiva sira ne'ebé eziste no implementa rezultadu 5. Medida nesesáriu tenki iha ona molok hahu hikas fali

			sira	h usi jerente projetu/fasilidade ba atividade sira	atividade 6. Supervizaun másimu husi jerente projetu/fasilidade ba atividade sira
• Sobu sistema eletrisidade • Mina naksulin husi Veikulu durante dezmantelamentu		*Impaktu insendiu ba traballadór sira*	1. Dezliga fonte enerjia elétrika hotu molok sistema enerjia elétrika ne'ebé sobu tiha 2. Área servisu nian tenke tau lutu atu prevene ema husi liur asesu ba área servisu nian 3. Evita uza veíkulu ne'ebé mina naksulin hela iha area projetu/fasilidade 4. Traballadór dezignadu, supervizor nonomeasaun ba pesoal sira deit mak iha área servisu nian	1. Hapra ervibu temporáriu bainhira iha insendiu durante atividade 2. Evakua traballadór sira ba fatin seguru 3. Aplika primeiru	1. Investiga asidente ka insidente 2. Husik traballadór sira rekupera kompletamnente molok servisu hikas fali 3. Fó kompensasaun ba traballadór sira, se

			5. Tenke tau sináis relevante sira iha area projetu laran no haleu fatin projetu/fasilidade nian, ho objetivuatu halo sosializasaun durante faze dezativasaun 6. Planu resposta emerjénsia tenke disponivel iha fatin servisu no kontrator no ninia traballadór sira tenke hatene planu ne' e. 7. La permite fuma iha area projetu 8. Staff sira tenki uza PPE 9. Traballadór hotu tenke hatene númerukontatu emerjénsia hotu 10. Estintór tenki tau besik iha area atividade 11. Fo hanoin ba trabalhador sira atu uza PPE 12. Ekipamentu premeiru sokurru tenki tau iha area projetu no tenki iha staff ida ne'ebé ho koiñesementu primeiru sokurru tenki iha area projetu 13. Supervizaun másimu husi jerente projetu/fasilidade ba atividade sira	sokurru ba traballadór ne'ebé la hetan kanek todan 4. Evakua traballadór sira ne'ebé kanek todan ba ospitál ka klinika ne'ebé besik liu, ka númeru kontaktu emerjénsia ba asisténsia evakuasaun 5. Supervizaun másimu husi jerente projetu/fasilidade ba atividade sira	presiza 4. Notifika autoridade relevante bainhira iha vitima 5. Halo dokumentasaun loloos kona-ba insidente ne'e no disponivel iha fatin ne'e 6. Avalia fali medida preventiva sira ne'ebé eziste no implementa rezultadu 7. Medida nesesáriu tenki iha ona molok hahu hikas fali atividade 8. Supervizaun másimu husi jerente projetu/fasilidade ba atividade sira

		Asidente Eletrisidade	1. Dezliga fonte enerjia eletricidade hotu molok sobu sistema eletricidade 2. Husik trabalhador kompetente sira deit mak atu halao atividade 3. Fornese ekipamentu protesaun pesoál (PPE) ba traballadór sira no traballadór sira tenke uza PPE antes hala'o atividade 4. Tenki servisu iha ekipa ne'ebe kompostu husi nain rua ka liu 5. Fo hanoin ba trabalhador sira atu uza PPE 6. Ekipamentu primeiru sokurru tenki tau iha area projetu/fasilidade no pelumenus staff ida ho koñesementu primeiru sokurru tenki presenti 7. Supervizaun másimu husi jerente projetu/fasilidade ba atividade sira	1. Hapara servibu temporáriu, bainhira asidente 2. Evakua traballadór sira ba fatin seguru 3. Aplika primeiru sokurru funsionáriu ne'ebé lakanek todan 4. Evakua traballadór sira ne'ebé kanek todan ba ospitál ka klinika ne'ebé besik 5. Supervizaun másimu	1. Investiga asidente ka insidente 2. Husik Serbisu na 'in sira tenkerekupera fali molok hahú fali servisu 3. Fó kompensasaun ba traballadór sira, se presiza 4. Notifika autoridade relevante bainhira iha vitima 5. Halo rejistu loloos kona-ba insidente ne 'e no disponivel iha fatin ne' e 6. Avalia fali medida preventiva sira ne'ebé eziste no implementa rezultadu 7. Medida nesesáriu tenki iha ona molok hahu

					hikas fali atividade 8. Supervizaun másimu husi jerente projetu/fasilidade ba atividade sira

• Movimentu veíkulu (iha no sai husi fasilidade) • Uza mákina todan • Demolisaun ba fasilidade • Produsaun Wastes no sunu	**Impaktu sosiál (saúde komunitária no seguransa)**	*Rai rahun (particulate mattera) no suar/gas husi prosesu kombustaun nebe iha impaktu ba komunidade*	1. Keta uza veíkulu, makinaria no jeradór ne'ebé emiti gás barak 2. Halo manutensaun regular ba veíkulu no ekipamentusira atu evita emisaun gás 3. Estabelese limite velosidade ba veíkulu sira ne'ebé halo operasaun iha área projetu laran no li'ur no tenke instala temporariamente sinál velosidade nian iha projetu atu fó hanoin ba kondutór 4. ne'ebé Hamate motor veíkulu no makinaria nebe la persija atu halo moris 5. Manutensaun regular ba jeradór *back-up* 6. Suspende servisu bainhira anin makas 7. Labele sunu fo'er iha iha fasilidade/projetu, maibe tenki jere no soe iha fatin dezignadu 8. Sinál jestaun fo'er ne'ebé apropriadu tenke hatudu iha projetu/fasilidade 9. Fo hanoin ba kondutór sira atu labelehalai liu velosidade limitadu ne'ebé estabelese tiha ona 10. Fó hanoin traballadór sira atu jere no soe fo'er iha fatin dezignada 11. Supervizaun másimu husi	1. Wainhira r 2. komunidade ne'ebé hela hale'u, tenki para servisu temporariamente 3. Rezolve keixa ho maneira própriu, molok hala' o fali atividade 4. ne'ebé Kontaktu númeru emerjensia wainhira iha involvimentu konfrontasaun fíziku durante keixa 5. Labele uza veíkulu,makinaria no jeradór nebe emite gas barak hamoos lixu no soe iha fatin dezinadu 6. Supervizaun másimu	1. ne'ebé Husik polisai invetiga ema neb'ebé involve iha konfrontasaun 2. Halo rejistu loloos no halo disponivel iha fasilidade ka projetu 3. Avalia fali medida preventiva sira ne' ebé 4. Medida nesesáriu tenki iha ona molok hahu hikas fali atividade 5. Supervizaun másimu husi jerente projetu/fasilidade ba atividade sira

			jerente projetu/fasilidade ba atividade sira		
• Movimentu veíkulu(iha fasilidade laran no sai husi fasilidade) • Movimentu ema iha fasilidade nia liur		*Engarrafamentu (traffic jam) no asidente tráfiku (tráfegu jerál iha liur/la'ós iha fasilidade laran)*	1. Marka ne'ebé dalan ba nebe klaru atu haketal dalan veíkulu no ema lao ain sira 2. Funsionáriu dedikadu sira tenke prezenta atujere movimentu tráfiku no ema lao ain sira iha fasilidade nia li 'ur 3. Haree loos katak kondutór sira kompañia nian tenki kompetente atu opera veíkulu ho seguru sai	1. Kondutór tenke tuirsinál tránzitu ka/no instrusaun polísianian atu evitaasidente engarrafamentu (*traffic jam*) 2. Bainhira	1. Husik polisia investiga asidentika insidente 2. Fó kompensasaun nba vítima se presiza 3. Tenke tau númeru

			husi fasilidade and tenki iha karta kondusaun (*sim)* nebe validu 4. Fó sinál avizu iha entrada no fatin sai bainhira hala'o atividade desmantelamentu. 5. Fornese sinál ba movimentu neebé seguru ba veíkulu no ema (dalan hakat-fatin ba ema lao ain, barreira, zona seguru, la'o fatin, no seluk tan) 6. Introdús limitasaun velosidade ba kondutór kompañia sira ne'ebé hala' o servisuiha fasilidade nia liur no kontinua fó hanoin ba kondutór sira atu kontrola velosidade 7. Kompañia nia kondutór tenke la 'o tuir sinal tráfiku hotu iha Estrada 8. Kondutór nebe halo operasaun ba kompañia nia veíkulu iha liu ho sikunstánsia saida deit labele lanu 9. Fornese númeru kontaktu emerjénsia iha veíkulu laran no kondutór sira tenke hatene númeru kontaktu emerjénsia 10. Primeiru sokurru tenki tau iha veíkulu laran wainhira veíkulu halo perasaun iha fasilidade nia liurne'ebé 11. Kompañia nia kondutór tenke hetan treinamentu atu uza Primeriu sokurru no hetan	asidente kondutór tenke para veíkulu atu haree asidente kainsidente 3. Aplika primeiru sokurru ba vítima ne'ebé la hetan kanek nebe sériu 4. Evakua vítima ne'ebé kanek todan ba ospitál ka klinika ne'ebé besik liu ka kontaktu ba número emerjênsia hodi hetan asisténsia evakuasaun 5. Supervizaun másimu husi jerente projetu /fasilidade ba atividade sira	kontaktu emerjénsia ihakompañia sira nia veíkulu 4. Kompañia tenkehalo forte liu tan regulamentu ka atu kontrola kondutór nia hahalok 5. Halo rejistu loloosno halo disponivel iha fasilidade 6. Avalia fali medida preventiva sira ne'ebé eziste no implementa rezultadu 7. Medida nesesáriu tenki iha ona molok hahu hikas fali atividade 8. Supervizaun másimu husi jerente projetu / fasilidade ba

			sertifikadu treinamentu 12. Supervizaun másimu husi jerente projetu/fasilidade ba atividade sira		atividade sira
• Movimentu veikulu (iha fasilidade laran no sai husi fasilidade) • Demolisaun ba fasilidade		*Impaktu barullu no impaktu vibrasaun*	1. Notifika komunidade haleu fasilidade kona-ba planu desmantelamentu nian no impaktu husi atividade sira 2. Demolisaun ba fasilidade tenke akontese durante oras servisu 3. Tenke asegura katak barullu ne'ebé prodús durante desmolisaun la liu padraun másimu 4. Rekomenda atu uza ekipamentu nebe nia lian no vibrasaun ne'ebé ki'ik durante atividade desmantelamentu 5. Supervizaun másimu husi jerente projetu/fasilidade ba atividade sira	1. Hapara atividade temporariamente bainhira iha keixa husi komunidade 2. Resolve keixa molok hahu fali servisu 3. Kontaktu númeru emerjénsia wainhira iha konfrontu fíziku Envolve durante keixa 4. Supervizaun másimo husi Jerente projetu/fasilidade ba atividade sira	1. Husik polísia ir 2. Rezolve kualkér problema tuir dalan ne'ebé loos 3. Investiga karik iha estragu 4. Kompensa komunidade bainhiranhira vibrasaun duraten dezmantelamentu destroi komunidade nia propriedade 5. Halo rejistu loloosno halo disponivel iha fasilidade 6. Avalia hikas fali medida preventiva

					sira ne'ebé eziste no implementa rezultadu 7. Medida nesesáriu tenki iha ona molok hahu hikas fali atividade 8. Supervizaun másimu ba atividade sira
• Kombustivel naksulin husi veíkulu sira dezmantemla mentu nian • Servisu mekánika		*Impaktu insendiu ba komunidade*	1. Uza medida mitigasaun preventiva ba impaktu ahi iha fasilidade ba traballadór sira, impaktu ba iha seksaun ida ne 'e atu prevene ahi.	1. Uza medida mitigasaun no resposta traballadór sira, iha seksaun ida ne' e hanesan asaun kontrolu no responde sira.	1. Uza medidas mitigasaun asaun korretivu

• Hasai tanke armazenamentu sira iha rai okos • Hasai kanu/pipa • Hasai bomba kombustivel sira • Sobu sistema tratamentu bee foer • lubrikante no mina naksulin husi ekipamentu pezadu bo'ot	**Kualidade rai, Kualidade bee (bee matan no bee rai-okos)**	*Poluisaun ba rai, bee rai leten no beerai okos tanba mina nakfakar no naksulin*	1. Tenki hasai tiha kombustivel husi tanki laran 2. Tenki dezlida kanu no kanu respiratoriu no hasai molok hasia tanki husi rai okos 3. Tenke halo metin tanki didiak molok transporta sai husi fatin ne'e ho kamioneta/truck. 4. Amostra sira rainian sei foti hosi rai nebe iha tanki okos no tanki sorin-soring atu verifika katak fatin ne ' e la hetan impaktu no la aprezenta risku kontaminasaun ba ema ka meiu ambiente 5. Materia aterru nian tenke la hetan impaktu. 6. Rai ne'ebé kontaminadu tenki hasai ona no trata didi ' ak hodi prevene impaktu potensiál sira ba bee okos. 7. Karik deteta poluisaun/kontaminasaun ba rekursu bee ka rai ne 'e durante desmantelamentu tanke nian, tenke informa autoridade relevante sira 8. Lixu líkidu ruma durante desmantelamentu tenke soe iha fatin/fasilidade dezignadu. 9. Supervizaun másimu husi jerente projetu/facilidade ba atividade sira	1. Fó hatene 2. Supervizaun másimu	1. Hamoos mina nebe nakfakar no naksulin 2. Halo rehabilitasaun deteta kontaminasaun 3. Supervizaun másimu
• Mina fakar ou naksulin • Ahi	**Impaktu ba ekolojia Ekonimik**	*Vegatasau no/ animal*	Halo reabilitasaun fatin hanesan ba kuda ai-horis no du 'ut se laiha planu atu uza fatin ba atividade seluk. Importante atu servisu ho		

han ka exploz ozaun	**u no agrikultur**		autoridade relevante sira atu hala' o reabilitasaun no		
• Desman telamen tu fasilidad e		*Impaktu ba traballadór*	1. Traballadór sira tenke hatene sedu liu 2. Aloka funsionáriu sira ba fasilidade sira seluk se posivel 3. Ajuda sira atu hetan servisu seluk se posivel		
• Produsaun lixu no sunu lixu		*Produsaun lixu*	1. Jere fo'er sira ho di'ak no soe fo'er sira iha fatin dezignada 2. Labele sunu lixu iha fasilidade laran 3. Sinál tenke tau iha facilidade laran no fatin ne'ebé lixu tenke akumula no soe 4. Supervizaun másimu husi jerente projetu/facilidade ba atividade sira	1. Hamoos dispozisaun fo'er la loos hosi soe fo'er no soe iha 2. Supervizaun Maximum	1. Fó hanoin ba traballadór sira atu jere no soe fo'er sira iha fatin dezignada 2. Supervizaun másimu husi jestór projetu/facilidade ba atividade sira

8. Overall, the CDFG Unipessoal Lda fuel filling station project is likely to only have limited significant adverse impacts on the environment (by implementing a series of mitigation measures proposed to avoid and minimize those identified negative effects) and there are also some notably benefits such as creating employment opportunities to the local, business opportunities, participating and contributing to economic development of Timor Leste and to ensure the availability and easy access for automotive fuel.

Jeralmente, projetu ba postu abastesimentu kombustivel CDFG Unipessoal Lda ne'e iha deit posibilidade ba impaktu adversu nebe kiik ba meiu-ambiente (liu husi implementasaun oin-oin medidas mitigasaun nebe propoin atu evita no hamenus efeitu negativu sira nebe identifika tiha ona), no iha mos benefísiu balun hanesan kria oportunidade empregu ba ema lokal, oportunidade negosiu, partisipa no kontribui ba dezenvolvimentu ekonomiku Timor-leste no atu garante disponibilidade no asesu fasil ba kombustível automotivo.

9. The monitoring program is established to measure the impacts that may occur as a result of the project.

Programa Monitorijasaun ne'e estabelese atu sukat impaktu ne'ebe bele akontese husi projetu

No	***Programa monitorizasaun***	
1	*Inspeksaun visual*	***Separador Olio/bee*** *Komfirma katak separador ne mos husi fatuk no rai rahun, no hamos akumulasaun bee no olio iha separador no soe ba fatin nebe rekomenda ona.* ***Drainagen/ kanal*** *Hare bebeik drainagen atu la intupido no la nanoku* ***Rai*** • *Raibe nebe iha área refere posibilidade atu nakfakar mina no fatin hatun mina tente tau sementi hotu atu nune atu prevene polusaun no erosaun.* • *Halo manutensaun ba rai nebe tau tiha ona cementu atu nune la iha nakfera atu nune liquido ruma la tama ba iha rai laran.* • *Komfirma katak iha rai leten iha sinal zona seguranca nebe hare mos no klaru.* ***Naroman*** *Hare bebeik sistema naroman iha fatin atu nune bele suficiente ba area ne.* ***Dispenser*** *Halo inspeksaun ba dispenser ho rapido, hasai nia panel atu hare nia sinal kuak ruma no kondisaun jeral eletricidade (sinal mana liu) no integridade sela (segel)* ***Mangeira dispenser nian*** • *Komfirma katak mangeira sira ne iha kondisaun diak nia laran, no la iha nakfera, kuak ou kleuk.* • *Hare nozel tau fali iha nia fatin wainhira hasai ona mina* • *Hare nozel nia taka loke funsaun ho diak* ***Kanu mina no kanu ventilasaun*** *Hare kondisaun kanu no nia junta atu detekta mina turu, feruzin no perigozu seluk. Ba kanu ventilasaun (iha rai leten) tau atensaun maximu atu hare nia feruzin.* ***Tanke armajenamento no pontu enche***

		• *Tau sinal iha enche fatin ba iha tanke armajenamento* • *Hare kanu enche ba iha tanke tenke cheve metin* • *Hare tanke matan lolos no facil hodi hasai tanke matan ho fácil hasai tanque matan ho facilidade apropiado.* ***Avisu no sinal sira*** • *Komfirma katak sinal sira ne la iha ida mak lakon, at no le la mos* • *Faoun Numeru emerjensia sira no taka iha fatin* ***Ekipamento Hamate Ahi*** • *Komfirma katak extintor nia kuantidade numeru nebe los, nakonu, la iha sinal perigu iha extintor, asesu ba iha extintor facil.* • *Hare balde hira nebe tau rai henek maran iha laran atu resolve asidente mina nakfakar iha dispenser ida idak.* • *Hare no manutensaun ba extintor (fulan ida dala ida) no informa ma kompetente sira atu wainhira enxtintor ne at ou la funsiona ho diak* ***Ekipamento emerjensia*** • *Hare ekipamento premeiro sukuro nian lolos (exemplo inklui necesidade sira sempre iha no aimoruk la falta)* • *Hare tombol emergenjia sira, kuluna, sistema alarma telefone funciona ho diak.*
2	*Planu emergengia no nia procedimentu*	• *Deskrisaun ekipamento ba responde emerjensia, nia funsaun no oinsa atu opera* • *Identifika lolos facilidade hamate ahi, hanesan sistema sirene, hamate eletricidede, hamate dispenser no ekipamento seluk, tute mergenjia no fatin halibur ba staff no konsumidores sira* • *Facilidade simples hamate ahi, inklui extintor nia tipo no nia lokalizasaun, sistema tahan mina fakar, exemplo rahenek maran iha balde no material nebe bele uza ba hamos mina nakfakar,* • *Komfirma katak service nain sira hotu komprende ho diak procedimeto emergenjia hirak ne iha terenu, no uza lianguagem nebe simples atu bele komprende.* ***Treinamento no pratika ba procedimento emergenjia*** • *Fo treinamento ba staff sira, inklui maibe la limite ba (i) funsaun, operasaun no uza sasan eletrisidade atu kontrola no regula tau mina ba iha tanke veikulu sira no tanke rai okos. (ii) esperensia pratika atu uza extintor ho simples, (iii) familiar ho diferente klase extintor tipo klas extintor apropriado (iv) asegura procedimento dispenser nian no enche mina iha tanke armagenamanto (v) hatene no fo relatorio failansu iha ekipamento (vi) akontesimentu ho mina fakar nebe uituan.*
3	*Implementasaun iha terenu*	*Prcedimentu ba :* • *Enche mina husi kareta tanke ba iha tanke armagenamento rai Okos* • *Husi dispenser ba iha veikulu sira* • *Hatene volume mina iha tanke armagenamento rai okos no hakerek nia resultado* • *Inspeksaun ba extintor* • *Investiga insidente no halo relatorio*
4	*Manutensaun no dokumentasaun*	• *Lalahok manutensaun, detekta failansu, ho hadiak ou modifikasaun iha terenu* • *Relatoriu incidente* • *Hare inventariu ba mina nia stok*

		• *Hafoun saude seguranca no ambiente. (HSE)*
5	*Monitorizasaun ba trafiku*	• *Komfirma karak assesu sira ne la entrompe no inlkui mos la para iha dalan.* • *Komfirma katak veikulu sira para iha fatin nebe determina ona wanhira enche mina* • *Minimiza fatin sikulasaun ba ema no veikulu iha fatin enche mina ba iha tanke armagenamento*

10. The environmental management plan would require reporting arrangements for the purposes of assisting with effective implementation and with external reporting

Planu Jestaun ambiental sei presija atu aranja relatoriu ho objetivu atu asiste implementasaun ne'ebe efetivu no relatoriu external

Tipo Relatoriu	**Frekuensia ba relatoriu**	
	Relatoriu internal	**Relatoriu external (aturidade/ regulador)**
Monitorizasaun Internal no Inspesaun 1. Relatoriu ba lalaok manutensaun, deteksa failansu, hadiak ou halo modifikasaun 2. Inventariu ba mina nia stok	Bainhira atividade lao Relatoriu loron loron	bainhira husu
Incidente, acidente no relatoriu emergenjia **Incident, accident and emergency reporting** 1. Relatoriu ba acidente mina nakfakar 2. Ahi lakan no emergenjia seluk 3. Incidente trafiku 4. Violencia ou vandalism seluk	Relatoriu hirak ne tenke rai kedan wanhira acindete / incidente akontece ona, no managementu kompanha halo kedan kombate ba emergenjia ne	Iha incidente seriu nebe akontese, tenke fo hatene kedan ba autoridade relevante depois akontesimentu no rai relatoriu atu kombate.
Relatoriu ba performasaun indikador 1. Incidente 2. Trainamentu 3. Hato'o keixa no nia relatoriu	Relatoriu ba performasaun indikador presija iha tinan tinan ou relatoriu pronto wainhira presija	
Treinamentu	Kada tinan	Relatoriu inklui mos evidencia (ex; copy certificado) no rai ba autoridade relevente wainhira renova treinamentu.

11. The company, CDFG Unipessoal Lda has primary responsibilities for implementation of the proposed mitigation measures and monitoring programs. The company also is in liaison with other relevant institutions and authority bodies to ensure that the installation and operation of the automotive fuel filling station is aligned with the national laws and regulations, and industrial best practice.

Kompania CDFG Unipessoal Lda iha responsabilidade atu implementa proposta mitigasaun no programa monitorizaun. Kompania mos iha linha kordenasaun ho instituisaun relevante no autoridade atu garante ba instalasaun no operasaun husi fatin abastesimentu kombustivel alinhadu ba lei no regulamentu nomos industriais praktika nebe diak.

12. The responsible persons for managing emergencies at the CDFG filling station are: (1) the Representative of the company – Cesario Dias Freitas Gusmão; and the Vice Diretor– Luis Da Costa; and (3) the staffs or personnel on site

Ema ne'ebe responsavel atu jere emergensia iha fatin abastesimentu CDFG Unipessoal Lda mak: (1) Representa Kompania:- Cesario Dias Freitas Gusmão no (2) Vice Diretor Luis Da Costa (3) trabalhador ou ema ne'ebe iha fatin abastesimentu kombustivel

13. CDFG is committed to facilitate all of its employees at the fuel filling station with training courses from accredited training providers. Every employee is obligated to attend and complete the training while actively working at the fuel filling station.

CDFG iha komitmentu atu fasilita nia trabalhador iha fatin abastesimentu kombustivel ho treinamentu husi fatin ne'ebe akreditadu. Trabalhador hotu iha obrigasaun atu atende no kompleta treinamentu wainhira sei servisu ativa iha fatin abastesimentu kombustivel.

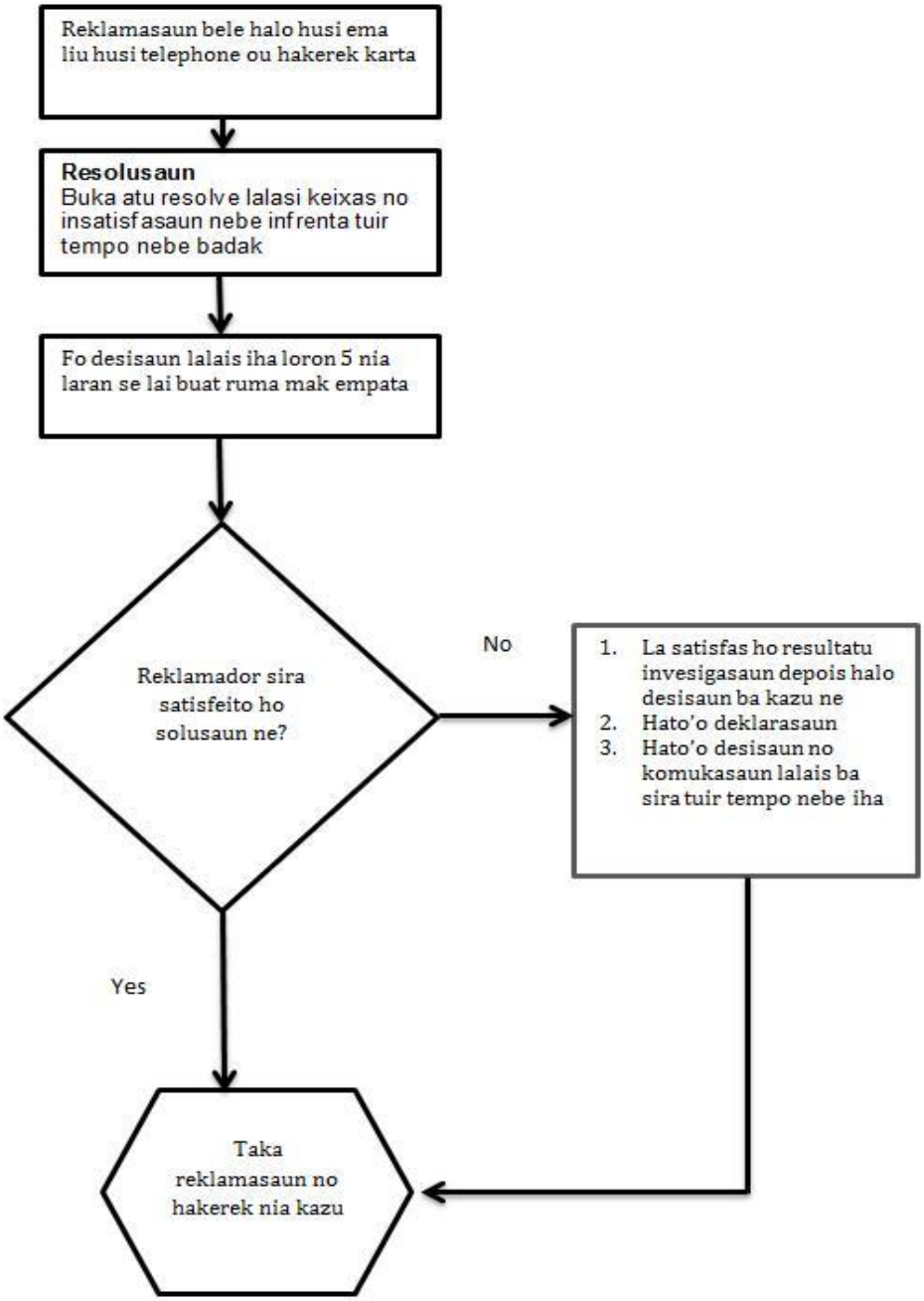
14. Public consultation is conducted by project owner and supported by Hersege Consultant with the objective to obtain constructive opinion or comments from affected community including negative and positive comments. The method of public consultation is door-to-door or face-to-face and by forum as well.

Konsultasaun publika halao husi projetu nain no suporta husi Hersege Konsultan ho objetivu atu hetan opiniaun ou komentariu ne'ebe konstrutivo husi komunidade ne'ebe afeitadu no komentariu ne'ebe positive ou negative. Metodu husi konsultasaun publika husi uma ba uma ou intervista direita nomos konsultasaun public via forum.

15. The mechanisms are set in complaints handling procedure flowchart to address the complaints from the affected persons or communities.

Mekanizmu sira estabelese ona iha prosedinamentu tratadu reklamasoens flowchart atu responde ba reklamasaun hosi pesoal ou komunidade afetadu

Fluxograma procedimento no tratamento ba reklamasaun



16. CDFG Unipessoal Lda is planning to establish the fuel station in Camea on 2021. Therefore, the company has started to arrange the relevant licensing to operate the fuel filling station.

CDFG Unipessoal Lda iha planu atu estabelese fatin abastesementu kombustivel iha Camea iha tinan 2021 Tamba ne'e, kompania komesa aranja ona licensa relevante atu halo operasaun ba fatin abastesementu kombustivel.

17. The total estimated costs of items relevant to the control and mitigation measures at the fuel filling station is $ 30,000

Total estimasaun kustu ba item ne'ebe relevante atu kontrola no halao nia mitigasaun ba fatin abastesimentu kombustivel mak $ 30,000

18. A review or amendment to the EMP may be needed during the life of the project as a part of important aspect for improving the fuel filling station's environmental management. The review of the EMP would be submitted to the Environmental Authority for approval.

Revisaun ba alterasaun PJA sei persija durante projetu lao hanesan parte aspeitu importante iha fatin abastesimentu kombustivel husi jestaun ambiental. Revisaun ba PJA sei submete ba autoridade ambiental para aprova

19. Responsabilidade Proponente

Categoria B – Automovel Abastesementu Kombustivel

- ✓ Prepara Projetu Dokumentu no submisaun
- ✓ Hala'o Konsultasaun Publika (Opsional)
- ✓ Implementa Survei Ambiental, prediksaun ba impaktu ambiental no evalua ba impaktu ne'ebe identifika ona
- ✓ Prepara planu jestaun ambiental
- ✓ Implementa monitorizasaun: hala'o monitorizasaun ba aspeitu ambiente ne'ebe identifika ona and submete relatorio monitorizasaun ba autoridade ambiental

Funsaun Autoridade Relevante no ninia Responsabilidade	
Agençia Nacional de Licensiamentu Ambiental (ANLA) ***Secretario Estado do Meio Ambiente (SEA)***	Hala'o inspeksaun no monitorizasaun atu garantia ba Saude, seguransa no Ambiental
Autoridade Nacional do Petróleo e Minerais (ANPM) ***Direcção Downstream*** ***Ministério* do Petróleo**	Autoridade regulador ba petrole no natural gas no produto ne'ebe relasionado no indutria mineiro Hala'o inspeksaun no monitorizasaun ba atividade Downstream
Direcção Nacional* de *Servicos* de *Águas e Saneamento (DNSAS)	Responsabiliza ba nacional jestaun rekurso be. Elabora mos seitor regulamentu, managementu, distribusaun ba consume no monitoriza kualidade be liu husi Laboratoriu DNSAS
Ministério da Saúde	Responsabiliza ba saude publiku
Direcção Nacional da Protecção Civil (which include the fire fighters)	