



Timor  
Resources

**Operating Management System  
Environmental Management Plan - Drilling Activity  
PSC TL-OT-17-09  
Appendix F - Monitoring and Inspection Schedules  
Doc No: TR-HSE-PLN-011**

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**ENVIRONMENTAL MANAGEMENT PLAN (EMP)  
DRILLING ACTIVITY  
PSC TL-OT-17-09**

**APPENDIX F - MONITORING AND INSPECTION  
SCHEDULES**

**TR-HSE-PLN-00-000-011**



## REVISION HISTORY

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Rev1	04/06/21	Issued for review

## MANAGEMENT APPROVAL

POSITION TITLE	NAME	SIGNATURE	DATE
Chief Executive Officer	Suellen Osborne		04/06/21
GM Exploration	Jan Hulse		04/06/21

## DISTRUBUTION LIST

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## **ACRONYMS**

CMP/CMT	Crisis Management Plan/Crisis Management Team
EIA	Environmental Impact Assessment
EMP	Environmental Management Plan
IMP/IMT	Incident Management Plan/ Incident Management Team
HSE	Health Safety Environment
OMS	Operating Management System
OSCP	Oil Spill Contingency Plan
SERP/SERT	Site Emergency Response Plan/ Site Emergency Response Team
SMIT	Senior Management Inspection Tour
TR	Timor Resources



## **1 INTRODUCTION**

### **1.1 CONTEXT**

The project is the construction of a wellsite and access road for the Timor Resources Rusa #1 exploration well in PSC TL-OT-17-09 on the South Coast of Timor Leste located at Suco Foho Ai-LiCo, Ainaro, Ainaro District.

### **1.2 PURPOSE**

This project was determined to require a Category A Licence under Decree Law No. 5/2011.

The TR Inspection Schedules fulfil a requirement under the Environmental Impact Assessment (EIA) and Environmental Management Plan (EMP). The EIA identified potential impacts from the project and various plans have been developed to supplement the EIS and EMP. The schedules presented here detail monitoring and inspection schedules covering environmental and operational activities, as well as assigning responsibilities to ensure these schedules are implemented.

This document is an appendix to the EMP – Appendix E. More details on operational inspection and audit can be found in the TR Inspection and Audit Standard TR-HSE-STD-00-000-010\_1.

### **1.3 SCOPE**

This document will address environmental and operational inspections for the PSC: TL-OT-17-09 drilling programme.

## **2 MONITORING AND INSPECTION SCHEDULES**

The internal monitoring and inspection regime provide a systematic documented process for confirming:

- Environmental performance against the requirements identified in the EIA and EMP.
- Operational performance against the TR Operating Management System (OMS).

Regular schedules for EMP monitoring and operations inspections will assist line managers and superintendents/supervisors identify areas of non-compliance with Company Policy and Timor Leste law and focus on corrective action aimed at improved performance.



## 2.1 ENVIRONMENTAL MANAGEMENT PLAN MONITORING SCHEDULE

The EIA and EMP are focused on achieving and demonstrating sound environmental performance by managing the impacts of activities. Performance is measured by establishing a monitoring schedule as shown in Table 2-1 .

**Table 2-1 - Monitoring Schedule as determined under the EIA and EMP**

Monitoring	Monitoring/ Performance Indicator	Responsible Person / Function	Timing and Frequency	Performance Standard
Land Use All Phases	Grievance/ Complaints records	Community Affairs Officer	Continuous	TR Grievance mechanism  International Best Practice: IOGP (E&P Forum) and UNEP (1997). Environmental Management in Oil & Gas Exploration and Production 1997. IOGP Report No. 254
Traffic All Phases	Adherence to Traffic Management Procedure  Journey Management  Speed Monitoring  Engine and generator service records  Driver training Defensive driving	Operations Manager	Daily  Daily  Daily  Monthly  Induction	TR Traffic Management Plan Grievance mechanism  <b>International Best practice:</b> IOGP Land Transportation Safety Recommended Practice 365 November 2016  Issue relevant Reports and Standard Operating Procedures  Accident and Incident Reports
Soil All Phases	Regular Inspection of road culverts and rig drainage system  Adherence to Site Civils Construction Procedure	Operations Manager  Civils Construction Engineer	Weekly  Monthly	International Best Practice: - Environmental Health and Safety (EHS) Guidelines for Onshore Oil and Gas Development (IFC 2007a)
Air Quality Construction	Dust management  Particulates Monitoring	Civils contractor for construction  Civils Contractor for	Daily  Monthly	TR Air Quality Management Plan  World Health Organisation (2005). WHO Air quality guidelines for particulate matter, ozone, nitrogen dioxide and sulphur dioxide. Global update 2005 - Summary of Risk Assessment.



Monitoring	Monitoring/ Performance Indicator	Responsible Person / Function	Timing and Frequency	Performance Standard
	Fuel Consumption  Engine and generator service records	construction  Transport Contractor for service vehicles  Transport Contractor	Daily  Monthly	World Health Organisation (2018). WHO Fact Sheet Ambient (outdoor) air pollution. 2 May 2018.  International Best Practice: - Environmental Health and Safety (EHS) Guidelines for Onshore Oil and Gas Development (IFC 2007a) - EHS General Guidelines (IFC 2007b) - IFC Performance Standard 1 (PS 1) - Assessment and Management of Environmental and Social Risks (IFC 2012).
Air Quality Operations	Dust management  Generator fuel consumption  Particulates Monitoring  Fuel Consumption  Engine and generator service records	Drilling contractor  Drilling  Contractor for rig emissions/ Transport contractor for service vehicles  Transport Contractor  Drilling contractor	Daily  Daily  Monthly  Daily  Monthly	TR Air Quality Management Plan  World Health Organisation (2005). WHO Air quality guidelines for particulate matter, ozone, nitrogen dioxide and sulphur dioxide. Global update 2005 - Summary of Risk Assessment.  World Health Organisation (2018). WHO Fact Sheet Ambient (outdoor) air pollution  International Best Practice: - Environmental Health and Safety (EHS) Guidelines for Onshore Oil and Gas Development (IFC 2007a) - EHS General Guidelines (IFC 2007b) - IFC Performance Standard 1 (PS 1) - Assessment and Management of Environmental and Social Risks (IFC 2012).
Air Quality Decommissioning	Dust management  Particulates Monitoring  Engine and generator service records	Civils contractor  Civils contractor  Transport contractor for service vehicles	Daily  Monthly  Monthly	TR Air Quality Management Plan  World Health Organisation (2005). WHO Air quality guidelines for particulate matter, ozone, nitrogen dioxide and sulphur dioxide. Global update 2005 - Summary of Risk Assessment.  World Health Organisation (2018). WHO Fact Sheet Ambient (outdoor) air pollution  International Best Practice:



Monitoring	Monitoring/ Performance Indicator	Responsible Person / Function	Timing and Frequency	Performance Standard
				<ul style="list-style-type: none"> <li>- Environmental Health and Safety (EHS) Guidelines for Onshore Oil and Gas Development (IFC 2007a)</li> <li>- EHS General Guidelines (IFC 2007b)</li> <li>- IFC Performance Standard 1 (PS 1) - Assessment and Management of Environmental and Social Risks (IFC 2012).</li> </ul>
Surface Water All Phases	Inspection of sewage system  Perimeter Drain Oil Trap  Regular checking and cleaning of oil, fuel and waste spills  Inspection of perimeter drain and road culverts	Drilling Contractor/ Camp Boss  Drilling Contractor  Drilling Contractor  Operations Manager	Monthly  Each Tour (12 hourly)  Each Tour (12 hourly)  Weekly	World Health Organisation (2011). WHO Guidelines for Drinking-water Quality, 2011  International Best Practice: <ul style="list-style-type: none"> <li>- Environmental Health and Safety (EHS) Guidelines for Onshore Oil and Gas Development (IFC 2007a)</li> <li>- EHS General Guidelines (IFC 2007b)</li> </ul>
Groundwater All Phases	Inspection of sewage system  Perimeter drain oil trap  Regular checking and cleaning of oil, fuel and waste spills  Inspection of perimeter drain and road culverts	Drilling Contractor/ Camp Boss  Drilling Contractor  Drilling Contractor  Operations Manager	Monthly  Each Tour (12 hourly)  Each Tour (12 hourly)  Weekly	World Health Organisation (2011). WHO Guidelines for Drinking-water Quality, 2011  International Best Practice: <ul style="list-style-type: none"> <li>- Environmental Health and Safety (EHS) Guidelines for Onshore Oil and Gas Development (IFC 2007a)</li> <li>- EHS General Guidelines (IFC 2007b)</li> </ul>
Operational Leaks and Spills All Phases	OSCP  Regular checking and cleaning of oil, fuel and waste spills	HSE Officer  Drilling Contractor  Operations Manager	Continuous  Each Tour (12 hourly)  Weekly	TR Oil/Chemical Spill Contingency Plan (OSCP)  International Best Practice: <ul style="list-style-type: none"> <li>- IPIECA (2016). Oil spills: inland response good practice guidelines for incident management and emergency response personnel</li> </ul>



Monitoring	Monitoring/ Performance Indicator	Responsible Person / Function	Timing and Frequency	Performance Standard
	Inspection of perimeter drain and road culverts  OSCP drill	HSE Officer	Pre spud	<ul style="list-style-type: none"> <li>- Environmental Health and Safety (EHS) Guidelines for Onshore Oil and Gas Development (IFC 2007a)</li> <li>- EHS General Guidelines (IFC 2007b)</li> </ul>
Worst Case Oil Spill Operations	CMP / IMP  SERP  Maintenance of CMP/IMP  CMP/IMP/ SERP Drill	General Manager Exploration  Drilling Contractor  HSE Officer  HSE Officer	Continuous  Continuous  Continuous  Pre spud	TR Crisis Management Plan (CMP) / Incident Management Plan (IMP) Site Emergency Response Plan (SERP)  International Best Practice: <ul style="list-style-type: none"> <li>- IPIECA (2015). Oil spills: inland response good practice guidelines for incident management and emergency response personnel No 514 2015.</li> <li>- IPIECA (2014). Incident Management System No 517 Nov 2014.</li> <li>- Environmental Health and Safety (EHS) Guidelines for Onshore Oil and Gas Development (IFC 2007a)</li> <li>- EHS General Guidelines (IFC 2007b)</li> </ul>
Water Supply All Phases	Monitor water usage  Monthly water management report	Drilling Contractor  Operations Manager	Daily  Monthly	TR Grievance mechanism  International Best Practice: IOGP (E&P Forum) and UNEP (1997). Environmental Management in Oil & Gas Exploration and Production 1997. IOGP Report No. 254
Biodiversity, flora, fauna and habitat All Phases	Grievance/ Complaints records	Community Liaison Officer/HSE Officer	Continuous	TR Grievance mechanism  IUCN (2020). <i>The IUCN Red List of Threatened Species. Version 2020-2.</i>
Liquid Effluents All Phases	Inspection of sewage system  Perimeter drain oil trap	Drilling Contractor/ Camp Boss  Drilling Contractor	Monthly  Each Tour (12 hourly)	TR Waste Management Plan TR Grievance mechanism  International Best Practice: <ul style="list-style-type: none"> <li>- Environmental Health and Safety (EHS) Guidelines for Onshore Oil and Gas Development (IFC 2007a)</li> <li>- EHS General Guidelines (IFC 2007b)</li> <li>- IOGP (2009). Guidelines for waste management with special focus on areas with limited infrastructure Report No. 413,</li> </ul>



Monitoring	Monitoring/ Performance Indicator	Responsible Person / Function	Timing and Frequency	Performance Standard
				rev1.1 September 2008 (updated March 2009)
Solid Waste All Phases	<p>Cuttings volumes recorded</p> <p>Rig wastes recorded, manifested and tracked</p> <p>Camp wastes recorded, manifested, tracked</p> <p>All wastes: Monthly Summary report</p>	<p>Drilling Contractor</p> <p>Drilling Contractor</p> <p>Camp Boss</p> <p>Operations Manager</p>	<p>Daily</p> <p>Daily</p> <p>Daily</p> <p>Monthly</p>	<p>TR Waste Management Plan TR Grievance mechanism</p> <p>International Best Practice:</p> <ul style="list-style-type: none"> <li>- Environmental Health and Safety (EHS) Guidelines for Onshore Oil and Gas Development (IFC 2007a)</li> <li>- EHS General Guidelines (IFC 2007b)</li> <li>- IOGP (2009). Guidelines for waste management with special focus on areas with limited infrastructure Report No. 413, rev1.1 September 2008 (updated March 2009)</li> </ul>
Noise Construction	Noise monitoring at fence and sensitive receptors	Operations Manager	Monthly	<p>TR Noise Management Plan TR Grievance mechanism</p> <p>World Health Organisation (2015). WHO noise quality standard – WHO, 2015.</p> <p>International Best Practice:</p> <ul style="list-style-type: none"> <li>- Environmental Health and Safety (EHS) Guidelines for Onshore Oil and Gas Development (IFC 2007a)</li> <li>- EHS General Guidelines (IFC 2007b)</li> </ul>
Noise Operations	Noise monitoring at fence and sensitive receptors	Operations Manager	Monthly	<p>TR Noise Management Plan TR Grievance mechanism</p> <p>World Health Organisation (2015). WHO noise quality standard – WHO, 2015.</p> <p>International Best Practice:</p> <ul style="list-style-type: none"> <li>- Environmental Health and Safety (EHS) Guidelines for Onshore Oil and Gas Development (IFC 2007a)</li> <li>- EHS General Guidelines (IFC 2007b)</li> </ul>
Noise Decommissioning	Noise monitoring at fence and sensitive receptors	Operations Manager	Monthly	<p>TR Noise Management Plan TR Grievance Mechanism</p>



Monitoring	Monitoring/ Performance Indicator	Responsible Person / Function	Timing and Frequency	Performance Standard
				World Health Organisation (2015). WHO noise quality standard – WHO, 2015.  International Best Practice: - Environmental Health and Safety (EHS) Guidelines for Onshore Oil and Gas Development (IFC 2007a) - EHS General Guidelines (IFC 2007b)
Light All Phases	Grievance/ Complaints records	Community Affairs Officer	Continuous	Grievance mechanism  International Best Practice: - Environmental Health and Safety (EHS) Guidelines for Onshore Oil and Gas Development (IFC 2007a) - EHS General Guidelines (IFC 2007b)
Odours All Phases	Grievance/ Complaints records	Community Affairs Officer	Continuous	Grievance mechanism  International Best Practice: - Environmental Health and Safety (EHS) Guidelines for Onshore Oil and Gas Development (IFC 2007a) - EHS General Guidelines (IFC 2007b)
Community All Phases	Grievance/ Complaints records	Community Affairs Officer	Continuous	Grievance mechanism  National Labour Code and SEPFOPE Regulation
	Local Recruitment Program	Country Manager	Pre-project	International Best Practice: - Environmental Health and Safety (EHS) Guidelines for Onshore Oil and Gas Development (IFC 2007a) - EHS General Guidelines (IFC 2007b)
	New recruit Training and Induction	Community Affairs Officer	Continuous	
	Local Community Education and Awareness Program	Community Affairs Officer	Continuous	



## 2.2 OPERATIONS INSPECTION SCHEDULE

Inspection is defined as ***“a planned tour of a work place to visually check for compliance with procedures and safe working practices”***.

Planned inspections are primarily a line management responsibility carried out according to a predetermined program. They enable the line management to systematically inspect all its areas of responsibility using site specific inspection checklists. The primary objective of inspections is to identify any hazards in the workplace or to the environment, confirm that critical items are in place and functional, and that all work is being conducted according to approved practice.

Planned inspections will also be carried out by the HSE Officer with respect to all HSE equipment as used in operations. This will include equipment which is available and used on a daily basis, and that used specifically in emergency situations.

### 2.2.1 Planned General Inspections (Weekly)

Site Supervisors/Camp Boss will complete a Planned General Inspection of their site, at least every week. Substandard conditions will be reported in a Corrective Action Record (CAR) (See Non-Conformance: Corrective and Preventative Action Standard: TR-GEN-STD-00-000-010\_2) and will be forwarded to the Operations Manager and the HSE Officer.

All contractors will be included in the Planned General Inspection Schedule.

### 2.2.2 Operations Manager Inspections (Monthly)

The Operations Manager will conduct a General Inspection at least every month with the HSE Officer. These inspections will examine progress on all outstanding issues resulting from the weekly site Planned General Inspections and will include all contractor activities.

Substandard conditions will be reported in a Corrective Action Record (CAR) and will be forwarded to General Manager Exploration.

### 2.2.3 Senior Management Inspection Tour (Quarterly)

Senior Management representatives (CEO and General Managers) will conduct a formal Senior Management Inspection Tour (SMIT) of all locations at least every quarter. The SMIT is not necessarily intended to be comprehensive inspection to identify substandard conditions, but more to demonstrate leadership. This support is given by discussing with site personnel the results of inspections and any problems associated with addressing previously identified deficiencies or weaknesses.

Management will also use the SMIT to promote the OMS, and to demonstrate TR Commitment. General housekeeping and physical conditions will always be assessed and take the opportunity to give commendation wherever merited.



### 3 REPORTING

Routine reports and records are used to record performance against the EMP requirements and to demonstrate that legal requirements such as the Environmental Basic Law No 26/2012 and Environmental Licensing Decree Law 5/2011 are met, as well as meeting TR policy and OMS expectations. Reports are presented as daily/weekly operational reports and in monthly/quarterly/annual performance formats, as described below.

**Daily operational reports** are prepared for routine drilling and project activities and include a brief summary of any HSE and/or community issues during the previous 24-hour period. **Weekly operational reports** are provided to management including any HSE/community incidents. Weekly operational reports are required under Law 18/2020.

**Monthly, Quarterly and Annual performance reports** prepared for the Chief Executive Officer are a compilation of the weekly operations report and include the performance metrics shown in Table 3-2 - Quarterly/Annual HSE Reporting (Lagging and Leading Indicators). The Community Affairs Officer prepares similar Community Affairs reports. An annual report is required under Law 18/2020 as per Article 23 that includes a summary of HSE performance through the year.

Decree Law 18/2020 on Onshore Petroleum Operations in Timor Leste: Article 22 requires that an authorised person submit monthly exploration reports to the Ministry within fifteen days after the end of each calendar month.

**Incident reports** are required following any incident or near miss and are specified under the TR OMS and Law 18/2020 Article 125.

Decree Law 18/2020 on Onshore Petroleum Operations in Timor Leste: Article 125 requires that an authorised person shall promptly notify the Ministry, other relevant authorities and potentially affected communities and persons of an emergency, major accident event or other health and safety incident as soon as possible, no later than 24 hours after the incident occurred.

Decree Law 18/2020 Article 148: An Authorised Person shall provide an oral or written notice to the Ministry of any Reportable Spill<sup>1</sup> as soon as possible, but not later than two hours, and a Significant Spill<sup>2</sup> within twenty-four hours after occurrence. Oral notice shall

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<sup>1</sup> "Reportable Spill" means any authorised and observable discharge of Petroleum, brine, chemical or hazardous substances.

<sup>2</sup> "Significant Spill" means an unauthorised discharge of Petroleum exceeding 80 liters per incident that has been spilled, or is likely to spill, onto land, into rivers or into ground water, or, in the case of Natural Gas, a leakage.



be followed by prompt written notices to the Ministry, in any case not later than three days after the first occurrence.

**Environmental Reporting** under Law 5/2011 includes biannual inspection reports during the construction and decommissioning phases and an annually during the operational phase. Environmental Provisions are also specified in Decree Law 18/2020, Chapter XVII, in particular Article 144 - Environmental Management Plan, Article 145 - Environmental Monitoring and Article 147 - Environmental Performance Report.

The EMP reporting requirements are detailed in Table 3-1 and will be prepared and submitted in accordance with the project environmental license reporting requirements.

In addition, Table 3-1 presents a list of both external reports plus (where relevant) the internal reports that will be included into the listed external report.

Table 3-2 presents a list of standard key performance indicator reports that will be used by TR to monitor safety and environmental performance.

*Lagging Indicators:* are reactive measures that track only negative outcomes, such as emissions.

*Leading Indicators:* are proactive and preventive measures that can shed light about the effectiveness of environmental management activities and help identify potential problems in the EMP.



**Table 3-1 - Project report type and distribution list**

<b>Monitoring/ Performance Activity</b>	<b>Report</b>	<b>Timing and Frequency</b>	<b>Distribution</b>	<b>Responsible Person / Function</b>
Local Recruitment Program - as required under the National Labour Code/SEPFOPE	Personnel records	Pre-project	External - ANPM	Country Manager
New recruit Training and Induction	Community Affairs reports	Continuous	Internal	Community Affairs Officer
Local Community Education and Awareness Program		Continuous	Internal External - ANPM	Community Affairs Officer
Drills: CMP/IMP/SERP/OSCP	Exercise/Drill Reports	Pre spud	Internal	HSE Officer
Implementation: CMP/IMP				General Manager Exploration
SERP				Drilling Contractor
OSCP				HSE Officer
Driver training Defensive driving	Personnel records	Induction	Internal	Operations Manager
Grievance/ Complaints records	Grievance Report Forms	Continuous	Internal External - ANPM	Community Affairs Officer
<b>DAILY</b>				
Perimeter drain oil trap inspection Each Tour (12 hourly)	Non-conformance report as required	As required	Internal	Drilling Contractor
Regular checking and cleaning of oil, fuel and waste spills Each Tour (12 hourly)	Non-conformance report as required	As required	Internal	Drilling Contractor
Daily - Adherence to Traffic Management Procedure	Non-conformance report as required	As required	Internal	Operations Manager
Journey Management	Journey Management Sheets	Daily	Internal	Operations Manager
Speed Monitoring - Daily	Non-conformance report as required	As required	Internal	Operations Manager
Dust management - Daily	Visual		Internal	Civils contractor for construction  Drilling Contractor for rig operations
Fuel Consumption	Operations Report	Daily/Weekly/Monthly	Internal	Transport Contractor for service vehicles
	Performance Reports	Quarterly and Annual	Internal	Drilling Contractor for rig operations



Monitoring/ Performance Activity	Report	Timing and Frequency	Distribution	Responsible Person / Function
	Inspection Reports (under Law 5/2011)	Biannual and annual	External - ANPM	
Monitor water usage	Operations Report	Daily/Weekly/Monthly	Internal	Drilling Contractor
	Performance Reports	Quarterly and Annual	Internal	
	Inspection Reports (under Law 5/2011)	Biannual and Annual	External - ANPM	
Cuttings volumes recorded	Operations Report	Daily/Weekly/Monthly	Internal	Drilling Contractor
	Performance Reports	Quarterly and Annual	Internal	
	Inspection Reports (under Law 5/2011)	Biannual and Annual	External - ANPM	
Rig wastes recorded, manifested and tracked	Operations Report	Daily/Weekly/Monthly	Internal	Drilling Contractor
	Performance Reports	Quarterly and Annual	Internal	
	Inspection Reports (under Law 5/2011)	Biannual and Annual	External - ANPM	
Camp wastes recorded, manifested, tracked	Operations Report	Daily/Weekly/Monthly	Internal	Camp Boss
	Performance Reports	Quarterly and Annual	Internal	
	Inspection Reports (under Law 5/2011)	Biannual and Annual	External - ANPM	
<b>WEEKLY</b>				
Weekly Inspection of road culverts and rig drainage system	Non-conformance report as required	As required	Internal	Operations Manager
<b>MONTHLY</b>				
Engine and generator service records	Operations Report	Daily/Weekly/Monthly	Internal	Transport Contractor
	Performance Reports	Quarterly and Annual		
Adherence to Site Civils Construction Procedure	Operations Report	Daily/Weekly/Monthly	Internal	Civils Construction Engineer
	Performance Reports	Quarterly and Annual		
Particulates Monitoring	Operations Report	Monthly	Internal	Civils Contractor during construction
	Performance Reports	Quarterly and Annual	Internal	
	Inspection Reports (under Law 5/2011)	Biannual and Annual	External - ANPM	
				Operations Manager during operations and decommissioning



<b>Monitoring/ Performance Activity</b>	<b>Report</b>	<b>Timing and Frequency</b>	<b>Distribution</b>	<b>Responsible Person / Function</b>
Monthly inspection of sewage system	Non-conformance report	As required	Internal	Drilling Contractor/ Camp Boss
Monthly water management report	Operations Report Performance Reports Inspection Reports (under Law 5/2011)	Monthly Quarterly and Annual Biannual and Annual	Internal Internal External - ANPM	Operations Manager
All wastes: Monthly Summary report	Operations Report Performance Reports Inspection Reports (under Law 5/2011)	Monthly Quarterly and Annual Biannual and Annual	Internal Internal External - ANPM	Operations Manager
Noise monitoring at fence and sensitive receptors	Operations Report Performance Reports Inspection Reports (under Law 5/2011)	Monthly Quarterly and Annual Biannual and Annual	Internal Internal External - ANPM	Operations Manager



**Table 3-2 - Quarterly/Annual HSE Reporting (Lagging and Leading Indicators)**

<b>LAGGING INDICATORS</b>	<b>Target Per well</b>	<b>Wel 1 1</b>	<b>Wel 1 2</b>	<b>Wel 1 3</b>	<b>Wel 1 4</b>	<b>Wel 1 5</b>
CO <sub>2</sub> Emissions (tonnes per well)	200 tonnes					
Oil and Chemical Spills (Number of spills > 15 bbls)	Zero					
Oil and Chemical Spills – Total Spilt (tonnes)	Zero					
Oil and Chemical Spills – released to the environment (tonnes)	Zero					
<b>LEADING INDICATORS</b>						
Extent of compliance with EIS mitigation measures (per Quarter - percentage)  The extent to which mitigation measures identified in the EIS have been set and achieved. Expressed as a percentage:  Total number of mitigation measures satisfactorily completed x 100 Total number of mitigation measures identified	60%					
Recycled waste (per well - tonnes)  Segregated waste for recycling - plastic bottles and tin cans. Expressed as a weight tonnes.	2 tonnes					
Complaints made and redress agreed (per well - percentage)  Ratio of complaints received vs number redressed Total number complaints redressed x 100 Total number of complaints made	80%					
Employment  Number of local people working in the campaign (rig and camp)	76					
Environmental Inspections and Audits Conducted (per well)  Area inspections are primarily operational (e.g. weekly rig and camp inspections), and also weekly inspections for Logistics operations (e.g. road transport/Journey Management System).	5					
Regular inspection and maintenance of road culverts and rig drainage system  The extent to which inspections are have been set in the EMP and the number achieved. Expressed as a percentage:  Total number of inspections completed x 100 Total number of inspections required	80%					
Regular maintenance or service of vehicles, equipment and/or machinery  The extent to which vehicle/plant/equipment servicing is set in the EMP and the number achieved. Expressed as a percentage:  Total number of services completed x 100 Total number of services required	80%					