# Pollution Incident Response Management Plan

## Rindean Quarries Pty Ltd

**Version 3**

**Date: 22.01.2025**

**File Name / Number: RQ 32 PIRMP - Rindean Quarries [V3 – 2025]**

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# 1.0 Purpose

This Pollution Incident Response Management Plan (PIRMP) has been prepared, to address the requirements of the *Protection of the Environment Operations Act 1197*, Specifically Part 5.7A of the Act, and to ensure compliance with Rindean Quarries Environment Protection License #20548, Development Consent DA 42409/2012 legal and other requirements.

The purpose of the PIRMP is to set out how pollution incidents and impacts which have the potential to occur during activities associated with the operation of Rindean Quarries are prevented or minimised so that no significant harm occurs to human health and the environment. This plan provides details of management procedures to be implemented if a pollution incident occurs.

## 1.1 Definition of a Pollution Incident

For the purpose of this plan, a pollution incident is defined by the NSW Environment Protection Authority (EPA) as:

'*An incident or set of circumstances during or as a consequence of which there is or is likely to be a leak, spill or other escape or deposit of a substance, as result of which pollution has occurred, is occurring or is likely to occur. It includes an incident or set of circumstances in which a substance has been placed or disposed of on premises, but it does not include an incident or set of circumstances involving only the emission of any noise'*

## 1.2 Requirement of Notification of Pollutant Incident

If a pollution incident occurs, it is the duty of the premises to notify the incident if it causes or threatens 'Material Harm' to the environment, which is defined under the POEO Act as:

a) Material harm to the environment is:
    1. The actual or potential harm to the health or safety of human being or to ecosystems that is not trivial, or
    2. Actual or potential loss or property damage of an amount, or amounts in aggregate, exceeding $10,000. Loss includes the reasonable costs and expenses that would be incurred in taking all reasonable and practicable measures to prevent, mitigate or make good harm to the environment.

b) Harm to the environment includes:

    '*any direct or indirect alteration of the environment that has the effect of degrading the environment and, without limiting the generality of the above, included any act or omission that results in pollution.'*

This plan further describes how materials are to be handled and stored on site in accordance with applicable Safety and Environmental Legislation.

A written copy of this plan is to be kept at Rindean Quarries and be made available on request by an authorized NSW EPA Officer and to any person who is responsible for implementing this plan.

## 2.0 Scope

The scope of this management plan is to provide:

- Procedures to be followed by the license holder or occupier of the premises in notifying pollution incidents to appropriate personnel, authorities, and regulatory bodies
- A description of the action to be taken, immediately after a pollution incident by the license holder to reduce or control any pollution
- Procedures to be followed for coordinating any action take in combating the pollution caused by the incident (with appropriate personnel, authorities, and regulatory bodies), and the communication pathways that need to be utilized in order to do this

This management plan applies to the employees and contractors operating at Rindean Quarries.

## 2.1 Environment Protection License

### Table 1: Environment Protection License (EPL) Details

| | |
|---|---|
| **Name of licensee:** | Rindean Quarries<br>ABN: 90 606 847 385 |
| **EPL Number:** | 20548 |
| **Premises name and address:** | Rindean Quarries<br>620 Wisemans Ferry Rd, Somersby |
| **Company or business contact details:** | Name: Alice Calleija<br>Position: Compliance/ Safety Advisor<br>Business hours contact number: 0476 633 388 (All hours)<br>Email: info@rindean.com.au |
| **Website address:** | https://rindean.com.au/ |
| **Scheduled activities on the EPL:** | Extractive activities |
| **Fee-based activities on the EPL:** | Land-based extractive activity<br>Scale: >100000-500000 T annual capacity to extract, process or store |

## 3.0 Legal and Other Requirements

All activities carried out onsite are to comply with the following licenses, legislation, regulations and guidelines relevant to;

All activities carried out onsite are to comply with the following licenses, legislation, regulations and guidelines relevant to the notification and management of environmental pollution.

- *Environment Protection License 20548 – Rindean Quarries*
- *Development Application DA 42409/2012- Rindean Quarries*
- *Court Order and Consent 10021 of 2014 – Rindean Quarries*
- *Environmental Impact Statement 2012 - Rindean Quarries*
- *Protection of the Environment Operation Act, 1997 (POEO Act)*
- *Protection of the Environment Operations (General) Regulation, 2009*
- *Protection of the Environment Operations (Waste) Regulation, 2005*
- *Protection of the Environment Legislation Amendment, 2011*
- *Environmentally Hazardous Chemical Act, 1985 (NSW)*
- *Managing Risks of Hazardous Chemicals in the Workplace – Code of Practice (July 2012)*
- *Storage and handling Liquids: Environmental Protection – Participants Manual (DECC 2007)*
- *Soils and Construction: Managing Urban Stormwater (Landcom 2004)*
- *Relevant Australia/ New Zealand Standards*
- *Safety Data Sheets applicable to materials stored onsite*

By adhering to the requirements set out in the above-mentioned legislation, regulations and guidelines, this will aid in preventing or minimizing the release of pollution into the environment.

In addition, Rindean Quarries has procedures outlined in the Environmental Management System relevant to pollution management reporting.

## 4.0 Roles and Responsibilities

Rindean Quarries has set out the roles and responsibilities for the overall conduct and control of any pollution incident until such time the incident is under control and any investigation completed. Once the 'all clear' is given by emergency services and/or regulatory authorities, the responsibility is transferred back to the Quarry Managers.

The roles and responsibilities are outlines in Table 2 below:

### Table 2: Roles and responsibilities

| Position | Activities / Responsibilities |
|---|---|
| **Quarry Managers (Production Managers)** | - Contact emergency services<br>- Assess the incident situation and activate the response team, if required<br>- Prevent further harm by controlling the incident scene, if safe to do so<br>- Activate the site emergency evacuation procedure, if required<br>- Manage the site evacuation procedure<br>- Liaise with emergency services and regulatory authorities<br>- Assist in clean-up and remediation |
| **Environmental Officer (or delegate)** | - Assist in incident controlling, if safe to do so<br>- Notify the relevant regulatory authorities, if required<br>- Assist in clean-up and remediation<br>- Collate information and record incident in the Environmental Incident Register |
| **Safety Adviser (or delegate)** | - Assist in incident controlling, if safe to do so<br>- Notify the relevant regulatory authorities, if required<br>- Assist in clean-up and remediation |
| **Operators and Contractors** | - Report incident to the Quarry Managers or Management Team<br>- Prevent further harm by controlling the incident scene, if safe to do so<br>- Assist in clean-up and remediation |

## 5.0 Identification of Potential Pollution Hazards & Risk Assessment

The following risk matrix table has been developed to:

- Identify site specific hazards that may result in a pollution incident occurring;
- Assess the likelihood of an incident occurring as a result of a particular hazard;
- Assess the likely degree of impact if an incident occurs; and
- Outline preventive management actions to be implemented in order to control and minimise or avoid impacts.
- Monitor implemented controls.

Table 3 contains the Risk Assessment Matrix adopted by Rindean Quarries.

Table 4 contains the hazard identified onsite and associated risk assessment and proposed actions.

## Table 3: Risk Assessment Matrix

| RISK ASSESSMENT MATRIX | | | | | |
|---|---|---|---|---|---|
| Likelihood | Consequence | | | | |
| | 1 | 2 | 3 | 4 | 5 |
| A | Extreme | Extreme | High | Med | Low |
| B | Extreme | High | High | Med | Low |
| C | Extreme | High | Med | Low | Low |
| D | High | Med | Med | Low | Low |
| E | High | Med | Low | Low | Low |

| LIKELIHOOD |
|---|
| A – Almost Certain *(is expected to occur)* |
| B – Likely (*Will probably occur)* |
| C – Possible *(may occur at some point)* |
| D – Unlikely *(could occur but doubtful)* |
| E – Rare *(may occur but highly unlikely)* |

| CONSEQUENCE |
|---|
| 1 – Catastrophic *(critical unmanageable impacts)* |
| 2 – Major *(intense, manageable impacts)* |
| 3 – Moderate *(serious impacts, easily managed)* |
| 4 – Minor *(minor management action required)* |
| 5 – Insignificant *(impacts requiring no treatment)* |

| RESPONSE TO RISK RANKINGS | |
|---|---|
| Extreme | Work is not to commence until the hazard is managed and the level of risk is reduced. The quarry manager or production manager is to authorise the work. |
| High | Work can be tolerated if it is not reasonably practicable to reduce the risk further. The activity must not be undertaken without a risk assessment and being supervised. |
| Medium | Work can be undertaken with the identified controls in place. |
| Low | Work that is part of the day-to-day operation of the quarry with known controls, control measures are to be effective, reliable and subject to appropriate monitoring. |

| HIERACRCHY OR RISK CONTROL | |
|---|---|
| Eliminate the hazard | Highest level of health and safety protection, most reliability of control measures. |
| Substitute the hazard with something safer | Change the substance being used to a safer one and use two people to lift items. |
| Isolate the hazard from people | Putting up barriers, sound walls, acoustic enclosures |
| Reduce the risk through engineering controls | Put in guards or other barriers, use design and engineering solutions. |
| Reduce the exposure by applying administrative actions | Procedures, signs, training |
| Use personal protective equipment | Lowest level of health and safety protection, least reliability of control measures |

Table 4: Hazard Identification and Risk Assessment

| Hazard | Potential Pollution Incident & Condition influencing Likelihood of occurrence | Likelihood of Incident occurring | Consequence of incident | Assessed Risk Level | Proposed Actions<br>- Pre-emptive Actions (Avoid impact)<br>- Control Actions (minimise impact) |
|---|---|---|---|---|---|
| **Diesel storage** | **Polluting Incident**<br>1. Diesel spill to land/water from diesel tank<br>**Influencing conditions**<br>- Diesel not stored correctly<br>- Bad weather event<br>- Overfilling of diesel tank<br>- Poor maintenance | E (Rare) | 3 (Moderate) | Medium | Pre-emptive Actions<br>- EPA approved bunding containment installed for diesel tank<br>- Spill kits located onsite at vantage points<br>- Regular inspections<br>- Site induction for all employees and contractors<br>- Correct refuelling procedures and training<br>Incident Control Actions<br>- Notify Quarry Managers or delegate<br>- Stop release at source<br>- Contian release using spill kits or earth bunding<br>- Remove contaminated material from site by licenced contractor/ facility |
| **Silt/ Tailings ponds** | **Polluting Incident**<br>1. Dam wall collapse releasing sediment laden water off site<br>2. Silt pond overtopping<br>**Influencing conditions**<br>- Poor construction/ maintenance of dam<br>- Machine impacting dam wall | 1. E (Rare)<br>2. E (Rare) | 1. 2 (Major)<br>2. 3 (Moderate) | 1. Medium<br>2. Low | **Pre-emptive Actions**<br>- Daily monitoring, regular inspections<br>- Pond wall maintenance as required and identified in inspections<br>**Incident Control Actions:**<br>- Notify Quarry Managers or delegate<br>- Cease pumping of tailing into pond immediately |

| | | | | | |
|---|---|---|---|---|---|
| | - Poor monitoring of water levels, resulting in over topping<br>- Poor maintenance | | | | - Control release of silt/water by installing temporary earth bunding downslope of release<br>- Remediate area of sediment release<br>- Repair pond wall when practical to do so |
| **Refuelling plant and equipment** | **Polluting Incident**<br>1. Release of diesel from plant during refuel from bowser<br>2. Release of diesel from plant during refuel from diesel truck<br>**Influencing Conditions**<br>- Damage to plant due to collision<br>- Diesel cart malfunction, break in hose<br>- Poor maintenance | 1. D (Unlikely)<br>2. D (Unlikely) | 1. 3 (Moderate)<br>2. 4 (Minor) | 1. Medium<br>2. Low | **Pre-emptive Actions**<br>- EPA Compliant bunding containment installed for the fuel bowser<br>- Fuel pump fitted with safety cut out<br>- Plant pre-start inspections<br>- Spill kits located onsite<br>- Regular inspections<br>- Correct refuelling procedures and training<br>- Site induction for all employees and contractors<br>**Incident control Actions**<br>- Notify Quarry Managers or delegate<br>- Stop release at source<br>- Contian release using spill kits or earth bunding<br>- Remove contaminated material from site by licenced contractor/ facility |
| **Dust generation** | **Polluting Incident**<br>- Significant release of dust from site operations<br>**Influencing Conditions**<br>- Extreme weather conditions<br>- Excessive machinery movements<br>- Poor maintenance on haul roads<br>- Inadequate use of water car | C (Possible) | 4 (Minor) | Low | **Pre-emptive Actions**<br>- Monitor weather conditions and cease works or modify operations when significant dust is visible leaving site<br>- Maintain haul roads in good condition<br>- Regular use of water cart<br>- Mandatory use of wheel wash, when leaving the quarry |

| | | | | | |
|---|---|---|---|---|---|
| | | | | | **Incident Control Actions**<br>- Notify Quarry managers or delegate<br>- Following procedure outlined in EPL, if TEOM alarm is triggered |
| **Excessive noise generation** | **Polluting incident**<br>- Excessive noise generation from quarry activities<br>- Excessive noise generation from trucks<br>**Influencing Conditions**<br>- Staff and contractors not properly inducted<br>- Poor maintenance of haul roads | D (Unlikely) | 4 (Minor) | Low | **Pre-emptive Actions**<br>- Implement mitigation measures<br>- Conduct noise assessments at sensitive receivers, in accordance with EPL regulations<br>- Record all noise data and monitor if any triggers are made<br>- Construction and installation of noise bunds and walls around the quarry<br>- Regular maintenance of equipment<br>- Strictly adhering to operating hours<br>- Ensure all speed limits and safe driving practices are followed<br>**Incident Control Actions**<br>- Notify Quarry Managers or delegate<br>- Cease excessive noise generating activity immediately |
| **Internal scrub or grass fire/ Site fire** | **Polluting incident**<br>- Out of control fire leaving the premises<br>- Smoke pollutant clouds<br>**Influencing Conditions**<br>- Poorly serviced machinery/ plant equipment<br>- Extreme dry weather<br>- Employee/ contractor negligence | C (Possible) | 2 (Major) | Extreme | **Pre-emptive Actions**<br>- Regular maintenance on machines and plant equipment<br>- Site induction for all employees and contractors<br>- Fire extinguishers located in every machine/ plant equipment and site office<br>- Use of water cart<br>- Regular maintained grass areas<br>**Incident Control Actions** |

| | | | | | |
|---|---|---|---|---|---|
| | | | | | - Notify Quarry Managers or delegate<br>- Use of fire extinguisher of water cart if safe to do so<br>- Call 000 if necessary and people or the environment is in danger<br>- Quarry evacuation if necessary |
| **External bush fire** | **Polluting incident**<br>- Out of control fire approaching quarry<br>- Damage to quarry property<br>- Smoke pollutant clouds<br>**Influencing Conditions**<br>- Poorly maintained property boarders<br>- Extreme dry weather | C (Possible) | 1 (Extreme) | Extreme | **Pre-emptive Actions**<br>- Fire extinguishers located in every machine/ plant equipment and site office to be used if safe to do so<br>- Use of water cart to control fire spotting<br>- Regular maintained grass areas<br>**Incident Control Actions**<br>- Notify Quarry Managers or delegate<br>- Use of fire extinguisher of water cart if safe to do so<br>- Call 000 if necessary and people or the environment is in danger<br>- Quarry evacuation if necessary |

## 6.0 Pollutant Inventory

Table 5: Pollutants kept on premise

| Pollutant | Quantity | Location | Controls |
|---|---|---|---|
| Diesel | 27,500 Liters | Refer 12.0 Site Plans (Page 17 of PIRMP)<br>Middle of quarry along driveway on side pad | Self bunded fuel tank, spill kit, sds, fire extinguisher |

## 7.0 Pollutant Incident Response Contact Details

### Table 6: Rindean Quarries Contract Details (Responsible persons for reporting authorities)

| Name | Position | Contact Number |
|---|---|---|
| Lawrance Spiteri | Director / Safety Director | (24 hours): 0418 675 374 |
| Jeremy Spiteri | Director / Safety Director | (24 hours): 0401 480 174 |
| Phil Tabone | Quarry Manager / Director / Safety Director | (24 hours): 0421 750 109 |
| Alice Calleija | Compliance / Safety Advisor | (24 hours): 0476 633 388 |

### Table 7: Authorities Incident Contact Details

| Name | Location | Contact Number |
|---|---|---|
| Emergency<br>(Ambulance, Police, Fire & Rescue) | - | 000<br>(When incident presents immediate threat to human health and property) |
| EPA<br>(Environmental line) | - | 131 555 |
| Kariong Fire station | 1 Central Coast Highway, Kariong 2250 | 02 4337 9741 |
| NSW Resources Regulator | | 1300 814 609 |
| Central Coast Council | Gosford 2250 | 4306 7900 |
| SafeWork NSW | | 131 050 |
| Local Authorities | Gosford Police Station | 4323 5599 |

## Table 8: Receivers on EPL 20548 (Rindean Quarries)

| Name | Address |
|---|---|
| R1 – Private Property | 630 Wisemans Ferry Road, Somersby 2250 |
| R2 – Private Property | 628 Wisemans Ferry Road, Somersby 2250 |
| R3 – Private Property | 2 Lackersteens Road, Somersby 2250 |
| R4 – Private Property | 590 Wisemans Ferry Road, Somersby 2250 |
| R5 – Private Property | 596 Wisemans Ferry Road, Somersby 2250 |
| R6 – Private Property | 600 Wisemans Ferry Road, Somersby 2250 |

# 8.0 Pollution Incident Response Procedure & Actions Flow Chart

## Pollution Incident Occurs

1. Prevent any further release of pollutant ASAP (if it is safe and possible to do so)
2. Follow the Incident and Emergency Reporting Procedure

   Or

   Notify Rindean Quarries Incident Response Contacts:
   - Lawrance Spiteri: 0418 675 374
   - Jeremy Spiteri: 0401 480 174
   - Phil Tabone: 0421 750 109
   - Alice Calleija: 0476 633 388

   **(Refer to section 6.0 Table 3)**

## Acting Quarry Manager to determine scale of incident in consultation with Env. Officer ASAP & initiate incident response procedure

Record pollution incident details on Environmental Incident Register:

- Emission type (Air, Water, Land)
- Pollution type
- Time/ duration/ volume/ location of release
- Action taken or proposed action
- Any other relevant information

## Trivial

**Minor**

Minor remediation required and is reversible:

<$10,000 remediation cost

## Material Harm

**Short term effect**

Actual or potential harm that is not trivial:

>$10,000 remediation cost

## Material Harm

**Medium to long term effect**

Significant remediation/ ongoing management required

## Not a reportable pollution incident under POEO Act

Remediate as per applicable procedure / management plan

## Reportable pollution incident under POEO Act and development Consent

Responsible Persons **(Refer to Section 8.0 Table 7**) to report incident to authorities:

| | |
|---|---|
| Emergency<br>Ambulance, Police, Fire & Rescue | 000 |
| EPA (Environmental line) | 131 555 |
| Kariong Fire station | 02 4337 9741 |
| NSW Resources Regulator | 1300 814 609 |
| Central Coast Council | 4306 7900 |
| SafeWork NSW | 131 050 |
| Local Authorities | 4323 5599 |

## If pollution incident is likely to directly affect the community, contact all relevant sensitive receivers

**(Refer to section 8.0 Table 8)**

## Remediate pollution as per advise from authorities and Environmental Officer

Monitor add document status of clean up actions, report back to authorities as required

# 9.0 Notification of Incident

**Notification of Relevant Authorities**

In the event of notifiable incident, relevant authorities will be contacted via telephone call (and email if required) and notified through the contact details contained in Table 7.

**Notification of Neighbours and Local Community**

In the event where the incident has the potential to impact or cause an impact to nearby residents (Table 8), notification will be provided in the form of door-knock, phone call or letter box drop. The most suitable notification methodology determined by the Quarry Manager

# 10.0 Training, Plan Testing & Review

All staff, visitors and contractors coming on to site will be briefed on their responsibilities under this plan as part of the site induction requirements, with a copy of this plan being available to all personnel for viewing.

The incident response and action flow chart (Section 8.0) will also be made available as a notice posted at the appropriate locations around the site office and workshop area.

Annual testing and review of this plan is to be undertaken, which would involve two components. The first component will involve a desktop review of the plan component to ensure all details are up to dare and still relevant to site operations. The second component will involve a practical exercise with all relevant site staff, in the form of a toolbox training exercise on the implementation of the response procedure (refer to 13.0 of this plan)

This plan would be tested and reviewed annually on an on-going basis, within 12 months of the latest approved revision date.

PIRMP and mock incident training details are contained in the quarry's toolbox talk and training records.

## 11.0 Safety Equipment

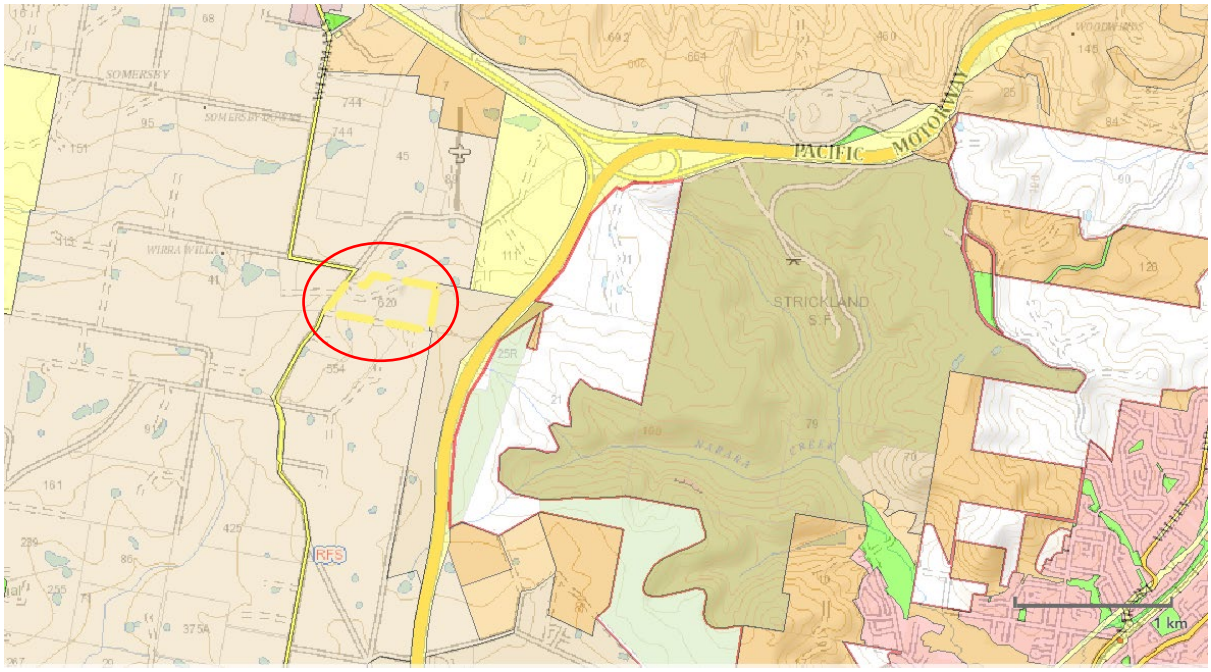
Rindean Quarries ensures all measures of safety and compliance are upheld and that all employees, contractors and visitors to the Quarry have all appropriate measures to establish their safety.

Below documents the safety equipment the quarry holds:

- **Fire extinguishers:**
    - All machines, plant equipment, site offices and lunchroom store a fire extinguisher. Regular maintained and tested every six months.
- **Safety data sheets (SDS):**
    - All relevant hazardous liquids stored at Rindean Quarries has the SDS card placed in noticeable area relevant to the liquid.
- **First aid kits:**
    - All site offices and sheds have a fully stocked first aid kit available in an accessible area. Regular maintained by the Quarry safety advisor.
- **Watercart:**
    - Fully maintained and daily checked watercart, able to be used to prevent dust, put out fires and prevent fire embers from igniting.
- **Self-bunded diesel storage:**
    - Fully contained and controlled diesel storage, with spill kits and all safety signage accessible and clearly marked for employees and contractors.
- **Safety equipment/ site induction:**
    - All employees and contractors must have full personal protective equipment (PPE) to ensure their safety. Managed and inspected daily by Quarry Manager.
    - All employees, contractors to the quarry must be inducted and notified of relevant safety and evacuation measures.
    - Vistors must be fully accompanied by a Quarry Manager and signed in and out of the quarry, to ensure that the Quarry Manager is always fully aware of everyone onsite.
    - The quarry has all required safety signage, including:
        - Road speed limits
        - UHF radio channel
        - Site office location
        - First aid kits, fire extinguishers and emergency evacuation locations
        - All relevant emergency/ site contacts

## 12.0 Site Plans

## Location Map:




## Key Details:

Emergency evacuation point

Diesel self-bunded storage tank

## 13.0 PIRMP Training and Testing

Table 9: PIRMP Training and Mock Incident Record

| Test Date | Test Organiser | Details |
|---|---|---|
| 19.01.2024 | Alice Calleija | Onsite toolbox meeting held with management, personnel & contractors revising PIRMP protocols & training plan. |
| 22.01.2025 | Alice Calleija | Onsite toolbox meeting held with management, personnel & contractors revising PIRMP protocols & training plan. |