

Pollution Incident Response Management Plan

Haerses Road Quarry

Version: V 6.0

Date: July 2024

File Name: Haerses Road Quarry - PIRMP

File No.: DS-ENV-EMS-HR005



| Version | Revision Date | Revision Details | Prepared by | Approved by |
|---------|---------------|--|------------------------------|-------------|
| 1.0 | 16/03/18 | PIRMP first issued (previously combined with the Old Northern Road Quarry PIRMP) | H.C. | D.D. |
| 2.0 | 15/03/19 | Reviewed pollution inventory and risk assessment. Revised Section 6.0 to include DS-OHS-140-F1. Revised company name change. Amended relevant Code of Practice. Inserted Roles and Responsibilities | H.C. | D.D. |
| 3.0 | 13/03/20 | Review of roles, contact numbers and update of sections 7 | H.C. / R.R. / M.M. / B.G. | D.D. |
| 4.0 | 25/03/2021 | Update document in line with Guideline: Pollution Incident Response Management Plan (EPA, March 2020), Pollution Inventory and Site Plans. Additional sections have been added to the document including: Section 3 Environment Protection License details, Section 10 Incident Notification. Authorities contact details and pollutant register have been reviewed and revised. | H.C. / R.R. / B.G. | D.D. |
| 5.0 | 12/07/2023 | Update document in line with Guideline: Pollution Incident Response Management Plans (EPA, September 2022) and utilise new company template. Contact details revised | H.C. / B.G. | D.D. |
| 6.0 | 11/07/2024 | Review and update legislation, risk assessment, site contacts, pollutant register and figures | H.C./ R.H./J.B./B.G./M.M. | D.D. |



Table of Contents

| 1.0 | Purpose | 1 |
|--------|---|----|
| 1.1 | Definition of a Pollution Incident | 1 |
| 1.2 | Requirement of Notification of a Pollutant Incident | 1 |
| 2.0 | Scope | 2 |
| 2.1 | Environment Protection Licence | |
| 3.0 | Legal and Other Requirements | 3 |
| 4.0 | Roles and Responsibilities | |
| 5.0 | Identification of Potential Pollution Hazards & Risk Assessment | 4 |
| 6.0 | Pollutant Inventory | 13 |
| 7.0 | Pollution Incident Response Contact Details | 14 |
| 8.0 | Pollution Incident Response Procedure & Actions Flow Chart | 15 |
| 9.0 | Notification of Incident | 16 |
| 10.0 | Training, Plan Testing & Review | 16 |
| 11.0 | Site Plans | 16 |
| | ures | |
| _ | e 1 Pollution Incident Response Management Plan – Haerses Road Quarry Site Plan | |
| Figure | e 2 Location of Receivers | 18 |
| Tab | oles | |
| | Environment Protection Licence (EPL) Details Roles and Responsibilities | |
| | 3: Risk Assessment Matrix | |
| | 4: Hazard Identification and Risk Assessment | |
| | 5: Pollutants kept on premise | |
| | 6: Dixon Sand Incident Contact Details (Responsible persons for reporting to authorities) | |
| | 7: Authorities Incident Contact Details | |
| i abie | 8: Receivers on EPL 12513 (Haerses Rd Quarry) | 14 |

Appendix

Appendix A PIRMP Training and Testing



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 1997*, specifically Part 5.7A of the Act, and to ensure compliance with Dixon Sand Environment Protection Licence # 12513, Development Consent DA 165-7-2005, legal and other requirements.

The purpose of the PIRMP is to ensure that pollution incidents and impacts which have the potential to occur during activities associated with the operation of the Haerses Road Quarry, Maroota, 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 in the event of a pollution incident.

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 a 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 a 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:
 - I. the actual or potential harm to the health or safety of human beings or to ecosystems that is not trivial, or
 - II. 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, includes 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 the Haerses Road Quarry, Maroota and be made available on request by an authorised NSW EPA Officer and to any person who is responsible for implementing this plan.

File No: DS-ENV-EMS-HR005



2.0 Scope

The scope of this management plan is to provide:

- Procedures to be followed by the licence 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 licence holder to reduce or control any pollution
- Procedures to be followed for co-ordinating any action taken in combating the pollution caused by the incident (with appropriate personnel, authorities, and regulatory bodies), and the communication pathways that need to be utilised in order to do this

This management plan applies to the employees and contractors operating at Haerses Road Quarry, Maroota.

2.1 Environment Protection Licence

Table 1: Environment Protection Licence (EPL) Details

| Name of Licensee: | Dixon Sand Pty Ltd | | | | | | | |
|------------------------|---------------------------------------|--|--|--|--|--|--|--|
| | ABN: 80 002 278 686 | | | | | | | |
| EPL Number | 12513 | 12513 | | | | | | |
| Premise name and | Haerses Road Quarry | | | | | | | |
| address | Haerses Road and Intersection of Wise | emans Ferry Road, Maroota | | | | | | |
| Company Contact | Name: | David Dixon | | | | | | |
| Details | Position: | Director / Quarry Manager | | | | | | |
| | Business Hours Contact Number: | 02 4566 8348 | | | | | | |
| | After Hours Contact Number: | xxxx xxx xxx | | | | | | |
| | Emails: | david@dixonsand.com.au | | | | | | |
| | | environment@dixonsand.com.au | | | | | | |
| Website Address | www.dixonsand.com.au | | | | | | | |
| Scheduled | Crushing, grinding or separating | | | | | | | |
| activities on EPL | Extractive activities | | | | | | | |
| Fee based activities | Crushing, grinding or separating | > 100000 - 500000 T annual processing | | | | | | |
| on EPL | | capacity | | | | | | |
| | Extractive activities | > 100000 – 500000 T annual capacity to | | | | | | |
| | | extract or process | | | | | | |

File No: DS-ENV-EMS-HR005



3.0 Legal and Other Requirements

All activities carried out on site are to comply with the following licences, legislation, regulations and guidelines relevant to

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

- Environment Protection Licence 12513 Haerses Road Quarry
- Development Application DA165-7-2005 Haerses Road Quarry
- Protection of the Environment Operations Act, 1997 (POEO Act)
- Protection of the Environment Operations (General) Regulation, 2020
- Protection of the Environment Operations (Waste) Regulation, 2014
- Protection of the Environment Legislation Amendment, 2011
- Environmentally Hazardous Chemicals Act, 1985 (NSW)
- Managing Risks of Hazardous Chemicals in the Workplace Code of Practice (June 2023
- Storage and Handling Liquids: Environmental Protection Participant's Manual (DECC 2007)
- Soils and Construction: Managing Urban Stormwater (Landcom 2004)
- Relevant Australia/New Zealand Standards
- Safety Data Sheets applicable to materials stored on site

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

In addition, Dixon Sand has procedures outlined in the Environmental Management Strategy documentation relevant to pollution management and reporting.

File No: DS-ENV-EMS-HR005



4.0 Roles and Responsibilities

Dixon Sand 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 outlined in Table 2 below.

Table 2: Roles and Responsibilities

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

5.0 Identification of Potential Pollution Hazards & Risk Assessment

The following risk matrix and 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 preventative management actions to be implemented in order to control, minimise or avoid impacts.
- Monitor implemented controls.

Table 3 contains the Risk Assessment Matrix adopted by Dixon Sand.

Table 4 contains the hazards identified on site and associated risk assessment and proposed actions.

File No: DS-ENV-EMS-HR005



Table 3: Risk Assessment Matrix

| RISK ASSESSMENT MATRIX | | | | | | | | | |
|---|--------------------------------|---|------------------------------|-------------------------|----------------------------|--|--|--|--|
| 1 (Jan 19 no no 1 | | | Consequence | | | | | | |
| Likelihood | 1 | 2 | 3 | 4 | 5 | | | | |
| А | Extreme | Extreme | High | Med | Low | | | | |
| В | Extreme | High | High | Med | Low | | | | |
| С | Extreme | High | Med | Low | Low | | | | |
| D | High | Med | Med | Low | Low | | | | |
| Е | High | Med | Low | Low | Low | | | | |
| LIKELIHOOD | | | | | | | | | |
| A - Almost Certain (is expected to occur) | | | | | | | | | |
| | Il probably occur) | occur) | | | | | | | |
| , , | (may occur at some p | oint) | | | | | | | |
| | could occur but doub | , | | | | | | | |
| - ' | y occur but highly unl | • | | | | | | | |
| L Raie (Illa | y oodar bacriigiiiy urii | noiy/ | | | | | | | |
| | | CONSEQU | JENCE | | | | | | |
| 1 - Catastrop | hic (<i>critical unmanage</i> | eable impacts) | | | | | | | |
| 2 - Major (int | ense, manageable im | pacts) | | | | | | | |
| 3 - Moderate | (serious impacts, eas | ily managed) | | | | | | | |
| 4 - Minor (<i>mi</i> | nor management acti | on required) | | | | | | | |
| 5 - Insignifica | ant (impacts requiring | no treatment) | | | | | | | |
| | | RESPONSE T | O RISK RANKINGS | | | | | | |
| | | INCO ONCE I | O INOK IVAIVINIVOO | | | | | | |
| Extreme | | nence until the hazard is is to authorise the work. | | el of risk is reduced. | The quarry manager or | | | | |
| | | | | | | | | | |
| High | | ed if it is not reasonably parisk assessment and be | | he risk further. The | activity must not be | | | | |
| Marillana | | | <u> </u> | | | | | | |
| Medium | Work can be under | aken with the identified c | ontrols in place. | | | | | | |
| Low | Mant that is now of | | مدا المناب سيست والمالية | | | | | | |
| Low | | the day-to-day operation nd subject to appropriate | | wn controls, control | measures are to be | | | | |
| | | LIEDADOUV | of RISK CONTROL | | | | | | |
| Eliminat | e the hazard | Highest level of health a | | nost reliability of con | trol measures | | | | |
| | | | | • | | | | | |
| | | Change the substance boone energy source to an | | | to lift items, change from | | | | |
| 3011101 | ining outor | one energy course to an | - Carlot o.g. 1 Tolli all to | nyaraanoo. | | | | | |
| Isolate the ha | azard from people | Putting up barriers, sound walls, acoustic enclosures | | | | | | | |
| Reduce th | ne risk through | . | | | | | | | |
| | ring controls | Put in guards or other ba | arriers, use design and | engineering solutio | ns. | | | | |
| | osure by applying | Proceduras signs traini | na | | | | | | |
| administr | rative actions | Procedures, signs, training | | | | | | | |
| | onal protective | Lowest level of health ar | nd safety protection, le | ast reliability of cont | rol measures | | | | |
| equ | ipment. | | ,,, | | | | | | |



Table 4: Hazard Identification and Risk Assessment

| Hazard | Potential Pollution Incident & Condition influencing Likelihood of | Risk Assessment (Prior to Controls) | | | Proposed Actions Pre-emptive Actions (avoid impact) | Risk Assessment (Residual) | | |
|--|---|--|------------------------------------|------------------|--|------------------------------------|------------------------------------|------------------|
| | Occurrence | Likelihood | Consequence | Risk Level | Control Actions (minimise impact) | Likelihood | Consequence | Risk Level |
| Chemical Storage (Mobile Container) | Polluting Incident 1. Chemical spill to land/water from fuel storage container/oil & grease drums 2. Chemical spill to land/water from chemical containers Influencing Conditions • Chemical not stored correctly • Poor maintenance in workshop • Impact/damage to tank/bunding releasing chemical • Incorrect use of equipment • Maximum size of any chemical containers is 20 litres | C (Possible) C (Possible) | 3 (Moderate) 3 (Moderate) | Medium Medium | Pre-emptive Actions EPA approved bunding containment installed for all tanks / containers Spill kits located on site at vantage points and on mobile fuel trailer/truck Regular inspections Correct refuelling procedures and training Site induction for all employees/contractors Incident Control Actions Notify Quarry Managers or delegate Stop release at source Contain release using spill kits or earth bunding Follow incident response procedure outline in Section 8 Remove contaminated material from site by licenced contractor/facility | D (Unlikely) D (Unlikely) | 3 (Moderate) 3 (Moderate) | Medium Medium |

File No: DS-ENV-EMS-HR005



| Hazard | Potential Pollution Incident & Condition influencing Likelihood of | Risk Assessment (Prior to Controls) | | | Proposed Actions • Pre-emptive Actions (avoid impact) | Risk Assessment (Residual) | | |
|---|---|--|-----------------|------------|---|-------------------------------|--------------|------------|
| | Occurrence | Likelihood | Consequence | Risk Level | Control Actions (minimise impact) | Likelihood | Consequence | Risk Level |
| Silt/Tailings ponds Note: majority of ponds are | Polluting Incident 1. Dam wall collapse releasing sediment laden water off site | D (Unlikely) | 2 (Major) | Medium | Pre-emptive Actions Daily monitoring, regular inspections Pond wall maintenance as | E (Rare) | 2 (Major) | Medium |
| cut into rock | 2. Silt pond overtopping Influencing Conditions Poor construction / maintenance of dam Machine impacting dam wall Poor monitoring of water levels resulting in over topping | D (Unlikely) | 3 (Moderate) | Medium | required and identified in inspections Incident Control Actions Notify Quarry Managers or delegate Cease pumping of tailing into pond immediately Control release of silt/water by installing temporary earth bunding downslope of release Follow incident response procedure outline in Section 8 Remediate area of sediment release Repair pond wall when practical to do so | E (Rare) | 2 (Major) | Medium |
| Main water storage dam Note: dam is cut into rock | Polluting Incident 1. Dam wall collapse or leaking releasing sediment laden water off site | D (Unlikely) | 2 (Major) | Medium | Pre-emptive Actions Daily monitoring of water level, regular inspections Dam wall maintenance as required | E (Rare) | 2 (Major) | Medium |
| | 2. Sediment laden water released from water storage pond Influencing Conditions Poor construction / maintenance of dam Machine impacting dam wall Dam not treated correctly prior to release Storm event exceeding design capacity | C (Possible) | 2 (Major) | High | and identified in inspections Incident Control Actions Notify Quarry Managers or delegate Cease flow of water into dam and repair pond wall when practical to do so Monitor water quality Follow incident response procedure outline in Section 8 | D (Unlikely) | 2 (Major) | Medium |



| Hazard | Potential Pollution Incident & Condition influencing Likelihood of | Risk Assessment (Prior to Controls) | | | Proposed Actions Pre-emptive Actions (avoid impact) | Risk Assessment (Residual) | | |
|---|---|--|-----------------|------------|---|-------------------------------|-----------------|------------|
| | Occurrence | Likelihood | Consequence | Risk Level | Control Actions (minimise impact) | Likelihood | Consequence | Risk Level |
| Waste materials E.g. • Putrescible • Recycle • Hazardous material | Polluting Incident Contamination of land/water Influencing Conditions Poor waste management / storage | C (Possible) | 3 (Moderate) | Medium | Pre-emptive Actions Regular inspections and segregated bins All waste removed from site by licenced contractor Domestic waste removed as part of the weekly local council waste service. Incident Control Actions Follow incident response procedure outline in Section 8 Waste materials to be removed from site by licenced contractor Any contaminated land to be remediated and removed from site by licenced contractor to licenced waste management facility | E (Rare) | 3 (Moderate) | Low |
| Mobile plant operating in quarry | Polluting Incident Release of fuel/oil from plant onto quarry land Influencing Conditions Worn hoses Fuel cart malfunction, break in hose Poor maintenance | C (Possible) | 3 (Moderate) | Medium | Pre-emptive Actions Regular maintenance as per OEM Plant pre-start inspections Spill kits located on site Implementing Site Traffic Management Plan and positive communications Incident Control Actions Notify Quarry Managers or delegate Control release of fuel/oil using spill kit or earth bund Follow incident response procedure outline in Section 8 Collect and remove contaminated material from site by licenced contractor | E (Rare) | 3 (Moderate) | Low |

File No: DS-ENV-EMS-HR005



| Hazard | Hazard Potential Pollution Incident & Condition influencing Likelihood of | | Risk Assessmen Prior to Controls | | Proposed Actions Pre-emptive Actions (avoid impact) | Risk Assessment (Residual) | | |
|--------------------------------|---|-----------------|-------------------------------------|------------|--|-------------------------------|--------------|------------|
| | Occurrence | Likelihood | Consequence | Risk Level | Control Actions (minimise impact) | Likelihood | Consequence | Risk Level |
| Refuelling plant and equipment | Polluting Incident 1. Release of fuel/oil from plant during refuel from fuel truck and trailer Influencing Conditions Damage to plant due to collision Fuel cart malfunction, break in hose Poor maintenance | D (Unlikely) | 4 (Minor) | Low | Pre-emptive Actions EPA compliant bunding containment installed for the fuel bowser Fuel pump fitted with safety cut out Plant pre-start inspections Spill kits located on site and on mobile refuelling stations Regular inspections Correct refuelling procedures and training Site induction for all employees/contractors Implementing Site Traffic Management Plan and positive communications Spill Kit located on mobile fuel trailer. Incident Control Actions Notify Quarry Managers or delegate Stop release at source Contain release using spill kits or earth bunding Follow incident response procedure outline in Section 8 Remove contaminated material from site by licenced contractor/facility | E (Rare) | 3 (Moderate) | Low |



| Hazard | Potential Pollution Incident & Condition influencing Likelihood of | | Risk Assessmen Prior to Controls | | Proposed Actions Pre-emptive Actions (avoid impact) | Risk Assessment (Residual) | | |
|-------------------------|--|-----------------|-------------------------------------|------------|---|-------------------------------|-----------------|------------|
| | Occurrence | Likelihood | Consequence | Risk Level | Control Actions (minimise impact) | Likelihood | Consequence | Risk Level |
| Water pumping equipment | Polluting Incident 1. Release of fuel/oil into water storage / sediment ponds Influencing Conditions • Pump malfunction / break in hose • Poor maintenance | C (Possible) | 3 (Moderate) | Medium | Pre-emptive Actions Daily monitoring, regular inspections Correct refuelling procedure Regular maintenance Incident Control Actions Notify Quarry Managers or delegate Cease operation of pump Control release of sediment/fuel/oil using spill kit or earth bund Follow incident response procedure outline in Section 8 Remove contaminated material from site by licenced contractor | E (Rare) | 3 (Moderate) | Low |
| Dust generation | Polluting Incident Significant release of dust from site operations Influencing Conditions Extreme weather conditions Excessive machinery movements Poor maintenance of haul roads Inadequate use of water cart | B (Likely) | 3 (Moderate) | High | Pre-emptive Actions Monitor weather conditions and cease works or modify operations when significant dust is visible leaving site Maintain haul roads in good condition Regular use of water cart and street sweeper on bitumen road Incident Control Actions Notify Quarry Managers or delegate Following procedure outlined in EPL (condition M2.4) if TEOM alarm is triggered | D (Unlikely) | 3 (Moderate) | Medium |

File No: DS-ENV-EMS-HR005



| | | | | | | _ | | GROUP |
|--|---|-----------------|--------------------------------------|-----------------------------------|--|-------------------------------|-----------------|--------|
| Hazard Potential Pollution Incident & Condition influencing Likelihood of Occurrence | | | Risk Assessmen (Prior to Controls | | Proposed ActionsPre-emptive Actions (avoid impact) | Risk Assessment (Residual) | | |
| | Likelihood | Consequence | Risk Level | Control Actions (minimise impact) | Likelihood | Consequence | Risk Level | |
| EnviroCycle Tank (Septic) | Polluting Incident 1. Overflow of tank to land / water Influencing Conditions Irrigation pump malfunction | D (Unlikely) | 3 (Moderate) | Medium | Pre-emptive Actions Regular inspection / maintenance Tanks serviced by licensed contractor Incident Control Actions Notify Quarry Managers or delegate Cease flow into tank Follow incident response procedure outline in Section 8 Pump out tank using licenced operator | E (Rare) | (Moderate) | Low |
| Excessive noise generation | Polluting Incident 1. Excessive noise generation from quarry activities | C (Possible) | 3 (Moderate) | Medium | Pre-emptive Actions Implement mitigation measures and controls contained in the Noise Management Plan to attenuate noise | D (Unlikely) | 4 (Minor) | Low |
| | 2. Excessive noise generation from trucks Influencing Conditions Staff and contractors not properly inducted. Poor maintenance of haul roads | B (Likely) | 3 (Moderate) | High | Conduct noise assessment at sensitive receivers on 6 monthly basis. Provide environmental inductions to all staff and contractors Regular maintenance of machinery and equipment. Construction of noise bunds Operating within approved hours of operation Replacement of old noisy equipment. Reminders of operating hours communicated at toolbox talks. Drive at designated speed Incident Control Actions Notify Quarry Managers or delegate Cease noise generating activity immediately Follow incident response procedure outline in Section 8 | C (Possible) | 3 (Moderate) | Medium |



| Hazard | Potential Pollution Incident & Condition influencing Likelihood of | | Risk Assessmen (Prior to Controls | | Proposed Actions • Pre-emptive Actions (avoid impact) | Risk Assessment (Residual) | | |
|---|---|-----------------|--------------------------------------|------------|--|-------------------------------|--------------|------------|
| | Occurrence | Likelihood | Consequence | Risk Level | Control Actions (minimise impact) | Likelihood | Consequence | Risk Level |
| Working outside approved areas | Polluting Incident 1. Working outside the approved areas of extraction | C (Possible) | 2 (Major) | High | Pre-emptive Actions Provide environmental inductions to all staff and contractors Undertake JSA | E (Rare) | 2 (Major) | Medium |
| | 2. Clearing outside the approved areas Influencing Conditions Staff and contractors not properly inducted. Unclear boundary marking | C (Possible) | 2 (Major) | High | Maintain pegs and boundary markers for extraction, clearing and buffer areas in good order. Reminders of working hours communicated at toolbox talks. Pre-clearing inspection and induction Incident Control Actions Notify Quarry Managers or delegate Cease activity outside the approved area immediately Follow incident response procedure outline in Section 8 | E (Rare) | 2 (Major) | Medium |
| Herbicide spillage | Polluting Incident 1. Spillage of herbicide onto non-targeted areas Influencing Conditions • Mis-handling of herbicide container and application hose • Poor maintenance of equipment • Mis-application of targeted area | C (Possible) | 4 (Minor) | Low | Pre-emptive Actions Storage of herbicide in bunded containers in the site vehicle. Spill kit SDS on site Engaging competent contractors to undertake the work Incident Control Actions Notify Quarry Managers or delegate Stop release at source and follow SDS's instructions. Contain release using spill kits or earth bunding Follow incident response procedure outline in Section 8 Remove contaminated material from site by licenced contractor/facility if applicable | D (Unlikely) | 4 (Minor) | Low |



6.0 Pollutant Inventory

Table 5: Pollutants kept on premise

| Pollutant | Quantity | Location | Controls (spill kits, bunding etc.) |
|--|--|---|---|
| Diesel Fuel Truck | 3000 litres | Mobile fuel tank fitted with a bowser head on a truck | Shut off valve and Spill kit |
| Petrol | 20 litres x 2 | Storage Container (bunded tray) | Enclosed + bunded storage area and Spill kit |
| Grease | 205 L drum x 2 | Storage Container (bunded tray) | Enclosed + bunded storage area and Spill kit |
| Hydraulic oil (46) | 205 L drum x 2 | Storage Container (bunded tray) | Enclosed + bunded storage area and Spill kit |
| Hydraulic oil (68) | 205 L drum x 2 | Storage Container (bunded tray) | Enclosed + bunded storage area and Spill kit |
| Paint | Spray Cans x multiple | Storage Container | Enclosed + Spill kit |
| Herbicide, dye and wetting agents: Glyphosate Chemwet Enviro-dye Metsulfuron Methyl | 3 x 1L 1 x < 1L 1 x < 1L 3 x 1L | Bush Regeneration Contractor Vehicle | Chemicals stored in approved containers in a tub with absorbent material in the base. Spill equipment and SDS contained in vehicle |



7.0 Pollution Incident Response Contact Details

Table 6: Dixon Sand Incident Contact Details (Responsible persons for reporting to authorities)

| Name | Position | Contact Number |
|------------------|----------------------------|-------------------------------|
| David Dixon | Quarry Manager | UHF Ch. 45 |
| | (Managing Director) | Office - 02 4566 8348 |
| | | Mobile – xxxx xxx xxx (24hrs) |
| Mick Munnoch | Quarry Manager | UHF Ch. 45 |
| | (Operations Manager HR) | Office - 02 4566 8348 |
| | | Mobile – xxxx xxx xxx (24hrs) |
| Ben Grogan | Quarry Manager | UHF Ch. 45 |
| _ | (Operations Manager ONR) | Office - 02 4566 8348 |
| | | Mobile – xxxx xxx xxx (24hrs) |
| Jamie Baker | Business Manager | UHF Ch. 45 |
| | _ | Office - 02 4566 8348 |
| | | Mobile – xxxx xxx xxx |
| Hunny Churcher | Environmental Officer | Mobile – xxxx xxx xxx (24hrs) |
| Colleen Stephens | Safety and Support Officer | UHF Ch. 45 |
| | | Office - 02 4566 8348 |
| | | Mobile – xxxx xxx xxx |

Table 7: Authorities Incident Contact Details

| Name | Location | Contact Number |
|--------------------|---------------------------|--|
| Emergency | - | 000 |
| (Fire, Ambulance, | | (when incident presents immediate threat |
| Police) | | to human health and property) |
| EPA | - | 131 555 |
| (Environment Line) | | (At recorded prompt, press 1 to be |
| | | connected to 24hr response line) |
| Rural Fire Service | The Hills District Office | 02 9658 9000 |
| | | (No need to dial this number if have |
| | | previously dialled 000) |
| Department of | - | 1300 305 695 |
| Planning, Housing | | (ask for Metro Compliance Team) |
| and Infrastructure | | |
| (DPHI) | | |
| Ministry of Public | Nepean Blue Mountains | 02 4734 2022 (normal hours, report to |
| Health | Public Health | Environmental Health Team) |
| | (Environmental Health | 02 4734 2000 (after hours switch – ask for |
| | Team) | Public Health Officer) |
| NSW Resources | - | 1300 814 609 |
| Regulator | | |
| The Hills Shire | Castle Hill | 02 9843 0555 |
| Council | | |
| SafeWork NSW | - | 13 10 50 |

Table 8: Receivers on EPL 12513 (Haerses Rd Quarry)

| Name | Address |
|----------------|---|
| Maroota Public | 4540 Old northern Road, Maroota |
| School | |
| Receivers | As identified in Environmental Assessment (Umwelt, Sept 2017) |



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 Dixon Sand's Incident Response Contacts:

- David Dixon Quarry Manager (UHF Ch.45, 02 4566 8348, xxxx xxx xxx)
- Mick Munnoch Quarry Manager (UHF Ch.45, 02 4566 8348, xxxx xxx xxx)
- Ben Grogan Quarry Manager (UHF Ch.45, 02 4566 8348, xxxx xxx xxx)
- Hunny Churcher Environmental Officer, xxxx xxx xxxx)
- Colleen Stephens Safety and Support Officer (UHF Ch.45, 02 4566 8348, xxxx xxx xxx)

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 (fuel, gas, sediment, oil etc.)
- 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

Not a reportable pollution incident under POEO Act

Remediate as per applicable procedure / management plan

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

02 9843 0555

Reportable pollution incident under POEO Act and Development Consent 250-09-01

Responsible Person to report incident to authorities:

Fire/Police/Ambulance (Emergency)

Rural Fire Service (The Hills District Office)

EPA Environment Line

Ministry of Health (Nepean Blue Mt)

Department of Planning, Housing & Infrastructure

NSW Resources Regulator

SafeWork NSW

000

02 9658 9000

131 555

02 4734 2022

1300 305 695

1300 814 609

131 10 50

The Hills Shire Council

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

(Refer to Section 7.0, Table 8)

Remediate pollution as per advice from Authorities and Environmental Officer

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

File No: DS-ENV-EMS-HR005



9.0 Notification of Incident

Notification of Relevant Authorities

In the event of a 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 and the Maroota Public School (Table 8), notification will be provided in the form of door-knock, phone call or letter box drop. The most suitable notification methodology will be determined by the Quarry

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 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) will also be made available as a notice posted at 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 components to ensure all details are up to date 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 (flow chart in Section 8 of this plan).

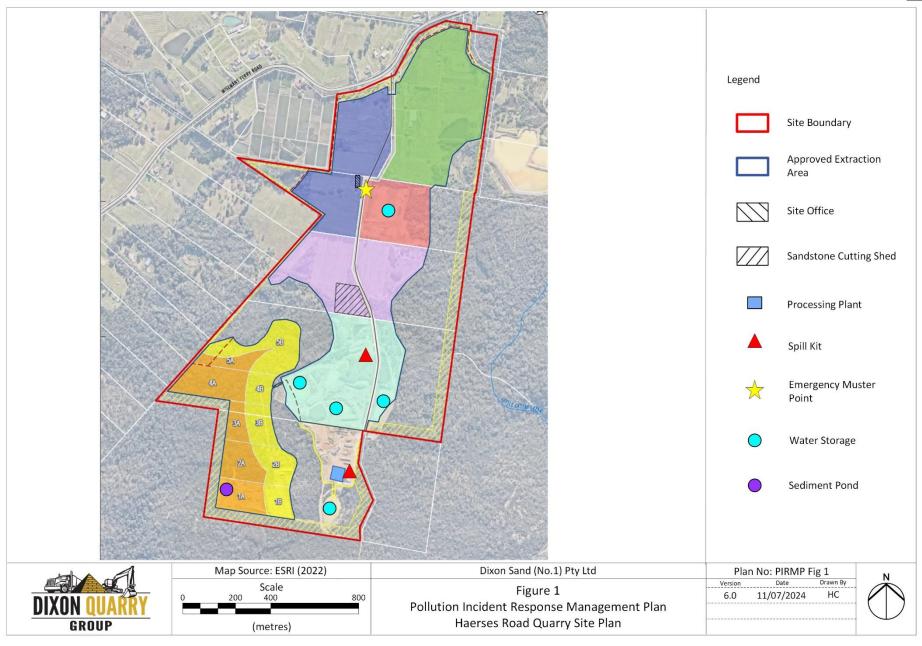
This plan would be tested and reviewed annually on an on-going basis, within 12 months of the latest approved revision date.

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

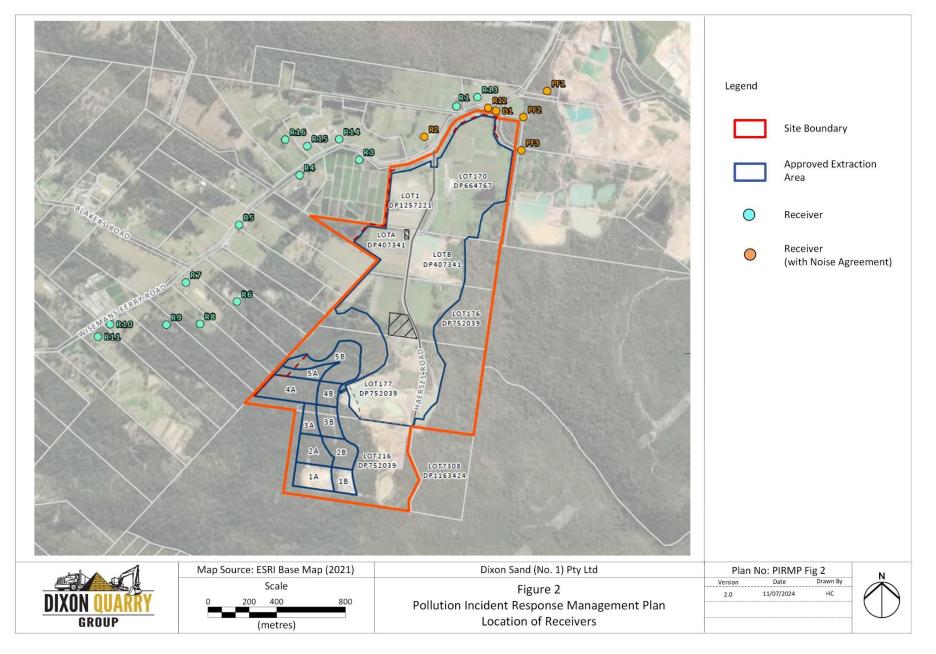
11.0 Site Plans

File No: DS-ENV-EMS-HR005











Appendix A

PIRMP Training and Testing

| Test Date | Test Organiser | Details |
|------------|--------------------------------|---------------------------------------|
| 11/07/2014 | Hunny Churcher | As per Toolbox Talk record |
| 29/03/2016 | Hunny Churcher | As per Toolbox Talk record |
| 23/03/2019 | Hunny Churcher + Rowan Russell | As per Toolbox Talk record |
| 13/03/2020 | Hunny Churcher + Rowan Russell | As per Toolbox Talk record |
| 12/03/2021 | Hunny Churcher + Rowan Russell | As per Toolbox Talk record |
| 22/04/2022 | Hunny Churcher + Rowan Russell | As per Toolbox Talk record |
| 21/07/2023 | Hunny Churcher + Rowan Russell | Training Provided to operators. |
| | | Mock Incident: Dump Truck Rollover |
| | | with diesel spill and driver trapped. |
| 18/07/2024 | Hunny Churcher | Training provided to operators. |
| | | Mock incident: Hydrocarbon spill on |
| | | hardstand area in workshop. Incident |
| | | not reportable. |
| | | Refer to Training Attendance Sheet |