

South East Quarries & Landscaping (SEQL)

POLLUTION INCIDENT RESPONSE MANAGEMENT PLAN (PIRMP)

Table of Contents

Introduction	3
Definitions	3
Hazards Associated with Quarrying Activities	4
Inventory of Pollutants – (Hazardous Substance Register)	6
Emergency Contact Details	6
Communication with Neighbouring Properties and the Community	6
Inductions and Training	6
Incident Response	7
Testing	9

Introduction

SEQL is committed to ensuring all aspects of our quarrying activities comply with the environmental legislative requirements in NSW.

This Pollution Incident Response Management Plan (PIRMP) has been developed to ensure that if a pollution incident occurs in the course of our activities all aspects of the environment that may be threatened are managed and rectified in accordance with the environmental legislation.

A hard copy of this plan shall be maintained at the quarry and shall be implemented by the Production Manager if a pollution incident occurs where harm to the environment is caused or threatened.

Definitions

Pollution Incident

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.

Hazards Associated with Quarrying Activities

The following hazards at the quarry have the potential to harm human health or the environment at the quarry.

Risk Rating = 1 – High 2 – Medium 3 - Low

Hazard	Likelihood	Impact of Neighbouring facilities	Circumstances that could increase likelihood	Actions taken to minimise risk	Emergency Equipment	Responsible
Storage of Hazardous substances	2		<ul style="list-style-type: none"> Inadequate storage areas Wrongful disposal 	<ul style="list-style-type: none"> Adequate bunding of all hazardous substances Ventilation Regular monthly documented inspections of areas Spill kit MSDS documents Dispose of in authorised waste disposal 	<ul style="list-style-type: none"> Bunding Spill Kit Fire Extinguisher Gloves Masks 	Production Manager
Major Fuel Storage (ground contamination)	1	Y	<ul style="list-style-type: none"> Lack of maintenance and inspections 	<ul style="list-style-type: none"> Area around fuel to be banded Regular monthly documented inspections of areas Spill kit 	<ul style="list-style-type: none"> Bunding Spill Kit Fire Extinguisher Gloves Masks 	Production Manager
Fire	2	Y	<ul style="list-style-type: none"> Hot weather Lack of adequate fire extinguishers Lack of plant maintenance 	<ul style="list-style-type: none"> Ensure fire bans are known Fire extinguishers checked monthly Maintenance plant undertaken as per manufacturers recommendations No ignition sources around fuels 	<ul style="list-style-type: none"> Spill Kit Fire Extinguisher Gloves 	Production Manager/ Plant Manager
Rubbish and Waste	3		<ul style="list-style-type: none"> Wrongful disposal 	<ul style="list-style-type: none"> Dispose of recycled waste at approved waste centres Engage contractors to remove recycled materials Recycle on site 	<ul style="list-style-type: none"> Nominated recycling areas Contact details of recycling premises Gloves 	Production Manager
Dust from quarrying activities	3	Y	<ul style="list-style-type: none"> Wind Water truck not operational 	<ul style="list-style-type: none"> Safe Work Method Statements procedures Water truck maintained as per manufacturers recommendations 	<ul style="list-style-type: none"> Water truck Masks 	Production Manager

POLLUTION INCIDENT RESPONSE PLAN

Tailing Dams	3	Y	<ul style="list-style-type: none"> • Heavy rain • Fuel and chemical storage inadequate 	<ul style="list-style-type: none"> • Store chemicals and fuels away from dams • Store chemicals in bunded areas 	<ul style="list-style-type: none"> • Bunding • Spill Kit 	Production Manager
Plant leaking fluids and chemicals	2		<ul style="list-style-type: none"> • Lack of maintenance • Daily inspections not undertaken properly 	<ul style="list-style-type: none"> • Maintenance regime as per the manufacturers recommendations • Daily inspections undertaken properly and monitored • Spill kit 	<ul style="list-style-type: none"> • Maintenance regime • Spill Kit • Gloves 	Production Manager/ Plant Manager
Explosive materials brought onsite by contractors	3	Y	<ul style="list-style-type: none"> • Inadequate storage and transportation by contractor 	<ul style="list-style-type: none"> • Contractor to provide safe working procedures regarding explosive materials • Subcontractor to be monitored and supervised by Production Manager • Contractor to be licenced 	<ul style="list-style-type: none"> • Licenced Contractor • Storage vans • Barricading 	Production Manager
Air Quality – omissions	2	Y	<ul style="list-style-type: none"> • Lack of maintenance of plant • Daily inspections not undertaken properly 	<ul style="list-style-type: none"> • Maintenance regime as per the manufacturers recommendations • Daily inspections undertaken properly and monitored 	<ul style="list-style-type: none"> • Maintenance regime • Spill Kit 	Production Manager/ Plant Manager
Loss of wildlife	3	Y	<ul style="list-style-type: none"> • Change in production areas • Noise • Dust 	<ul style="list-style-type: none"> • Rehabilitation plan developed by a qualified consultant and implemented • Monitoring & Inspections 	<ul style="list-style-type: none"> • Maintenance regime • Rehabilitation Plan • Water truck 	General Manager
Loss of farmland	2	Y	<ul style="list-style-type: none"> • Change in production areas • Noise • Dust 	<ul style="list-style-type: none"> • Rehabilitation plan developed by a qualified consultant and implemented • Monitoring & Inspections 	<ul style="list-style-type: none"> • Maintenance regime • Rehabilitation Plan • Water truck 	General Manager

Inventory of Pollutants – (Hazardous Substance Register)

The Safety Management Plan (SMS) for the quarry includes a Hazardous Substance Register. Material Safety Data Sheet (MSDS) for each pollutant are kept in the workshop, office and onsite.

Safety equipment shall be made available as per the hazardous substance register.

Emergency Contact Details

The SMS contains all emergency details in the event of a pollution incident. A list of the emergency contacts are stated on an emergency response guide, which are kept in all vehicles and machines. A copy of this guide is kept in the SMS for reference.

Communication with Neighbouring Properties and the Community

If an incident occurs the Production Manager shall ensure any neighbouring properties will be advised of the incident in the following ways:

1. Telephone the property owner immediately or as soon as possible and advise them of the incident details, i.e. type of pollution, type of chemical, if the authority has been contacted and any safety issues for humans, animals or plants, details of preventative actions taken and details of avenues they should undertake to ensure their safety is not compromised.

Inductions and Training

The Production Manager shall ensure all staff undertake an induction into the quarry and are inducted in the SMS. The SMS includes emergency and evacuation procedures, evacuation points, risks associated with work activities and Safe Work Method Statements (SWMS) training and the Pollution Incident Response Plan. Site specific SWMS have documented hazards and control measures to ensure the safety of all personnel and the environment when dealing with hazardous substances and dangerous goods. The quarry specifically has a Safe Work Method Statement designed to assess and control Hazardous Substances.

If specific training requirements are identified the Production Manager will organise training on site by authorities such as the Fire Brigade, DPI and EPA.

Incident Response

The following actions shall be undertaken in the event of an incident at the quarry.

INCIDENT RESPONSE PROCEDURES		
Type of Incident	Actions to be undertaken	Responsible
Storage of Hazardous substances (Major spill)	<ul style="list-style-type: none"> • Use a spill kit or quarrying sand • Production Manager report spill to the Director immediately • Work to stop • Director shall report the spill to the relevant authorities • Do not disturb the area • Follow instructions from authorities • Dispose of contaminated materials at authorised disposal sites 	Production Manager/General Manager
Storage of Hazardous substances (Minor spill)	<ul style="list-style-type: none"> • Contain spill using spill kit 	Production Manager/General Manager
Major Fuel Storage (ground contamination)	<ul style="list-style-type: none"> • Contain spill using a spill kit • Production Manager report spill to the Director immediately • Work to stop • Director shall report the spill to the relevant authorities • Notify neighbours • Do not disturb the area • Follow instructions from authorities 	Production Manager/General Manager
Fire to plant or surrounding areas (Major)	<ul style="list-style-type: none"> • Production Manager to evacuate the area immediately • Production Manager report spill to the Director immediately • Director shall report the fire to the relevant authorities • Notify neighbours • Notify community (update website) 	Production Manager/General Manager
Fire to plant or surrounding areas (Minor)	<ul style="list-style-type: none"> • Fire to be extinguished immediately using a fire extinguisher • Production Manager report fire to the Director immediately • Director shall report the fire to the relevant authorities 	Production Manager/General Manager
Tailing Dams	<ul style="list-style-type: none"> • Use a spill kit or quarrying sand to stop contamination • Work to stop • Director shall report the spill to the relevant authorities • Do not disturb the area • Follow directions from authorities • Notify neighbours 	Production Manager/General Manager
Plant leaking fluids and chemicals	<ul style="list-style-type: none"> • Contain spill using spill kit 	Production Manager

POLLUTION INCIDENT RESPONSE PLAN

Air Quality – omissions (Major)	<ul style="list-style-type: none">• Stop work immediately and evacuate the areas• Production Manager shall report the issue to the relevant authorities• Do not disturb the area• Follow directions from authorities• Notify neighbours• Notify community (update website)	Production Manager
Air Quality – omissions (Minor)	<ul style="list-style-type: none">• Use water truck	Production Manager

Testing

Testing of the Pollution Incident Response Plan shall be undertaken by the Production Manager on a yearly basis by undertaking practical exercises or drills and documenting these on a toolbox talk form.

If any anomalies are found in the plan, the Compliance Officer in consultation with the Production Manager shall update and organise training for quarry staff on an as needs basis.

Further testing shall be undertaken 1 month after an incident has occurred.