



Pollution Incident Response Plan

Introduction

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

This Pollution Incident Response Management Plan has been developed to ensure that if a pollution incident occurs in the course of our activities that 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 on 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 bunded Regular monthly documented inspections of the area Spill kit 	<ul style="list-style-type: none"> Bunding Spill Kit Fire Extinguisher Gloves Masks 	Production Manager
Use of manure	2	Y	<ul style="list-style-type: none"> Wind Not using a safe and environmentally friendly product 	<ul style="list-style-type: none"> Workers to stay in cabins in high wind areas Use Cocopeat (environmentally friendly product) 	<ul style="list-style-type: none"> Water truck 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
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
Contaminate ponds	3	Y	<ul style="list-style-type: none"> Heavy rain Fuel and chemical storage 	<ul style="list-style-type: none"> Store chemicals and fuels away from ponds Store chemicals in bunded areas 	<ul style="list-style-type: none"> Bunding Spill kits 	Production Manager

			inadequate			
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/
Explosive materials brought onsite by contractor	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
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 	Director
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 	Director

Inventory of Pollutants – (Hazardous Substance Register)

The Mine Integrated Management Plan (MIMP) for the quarry includes a Hazardous Substance Register and Material Safety Data Sheet (MSDS) for each pollutant. The Hazardous Substance Register and corresponding MSDS documents are kept in the office at the quarry.

All hazardous substances brought on site – including subcontractor's - are stored, handled and transported in a manner that meets relevant legislative requirements and minimises the risks associated with the substance.

No products or substances, including chemicals or fibrous materials, are brought to the workplace without a current MSDS. All hazardous substances and dangerous goods are stored in the original containers with the label intact at all times.

Any hazardous substances that are not regular items, are needed in large quantities and are classified hazardous must not be brought onto site until approval is granted by the Director. See form SQ-F-21 – Approval to Bring Chemicals or Compounds onto the Schmidt Lease.

Each hazardous substance is recorded in a register (refer to form SQ-F-04) and relevant staff trained on the MSDS and how to use them.

Occasionally non stock items will need to be ordered and brought on site.

Safety equipment shall be made available as per the MSDS document and within the Hazardous Substance and Dangerous Goods Safe Work Method Statement.

A map of the quarry can be located on the notice board, which details the following:

1. Hazardous Substance Storage Areas
2. Location of sediment pond

Emergency Contact Details

The MIMP states all emergency details in the event of a pollution incident. The list of the emergency contacts can be located on the quarry notice board.

Communication with Neighbouring Properties and the Community

If an incident occurs the Director 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, ie 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.

The Schmidt Quarries website shall be updated to ensure the community located around the quarry area are made aware of the incident and are provided with controls needed to remain safe.

Example: close all windows, stay inside. Authorities notified.

Inductions and Training

See induction procedure under “Training” heading

Where possible the Systems Coordinator will organise training on site by authorities such as the Fire brigade, DPI and EPA.

Environmental 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 directions from Authorities • Dispose of contaminated materials at authorised disposal sites 	Production Manager / Director/ Safety & Office Coordinator
Storage of Hazardous substances (Minor spill)	<ul style="list-style-type: none"> • Contain spill using a spill kit 	Production Manager/ Director
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 contamination to the relevant authorities • Notify neighbours • Do not disturb the area • Follow directions from Authorities 	Production Manager / Director/ Safety & Office Coordinator
Fire to plant or surrounding areas (Major)	<ul style="list-style-type: none"> • Production manager to evacuate the area immediately • Production Manager report fire to the Director immediately • Director shall report the fire to the relevant authorities • Notify neighbours • Notify community (update website) 	Production Manager / Director/ Safety & Office Coordinator
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 / Director/ Safety & Office Coordinator
Contaminate ponds	<ul style="list-style-type: none"> • Use a spill kit or quarrying sand to stop contamination • Production Manager report contamination to the Director immediately • Work to stop • Director shall report the spill to the relevant authorities 	Production Manager / Director/ Safety & Office Coordinator

	<ul style="list-style-type: none"> • Do not disturb the area • Follow directions from Authorities • Notify neighbours 	
Plant leaking fluids and chemicals	<ul style="list-style-type: none"> • Contain Spill using a spill kit 	Production Manager
Explosion from explosive materials	<ul style="list-style-type: none"> • Stop work immediately and evacuate the areas • Production Manager report explosion to the Director immediately • Director shall report the explosion to the relevant authorities • Do not disturb the area • Follow directions from Authorities • Notify neighbours • Notify community (update website) 	Production Manager
Air Quality – omissions (Major)	<ul style="list-style-type: none"> • Stop work immediately and evacuate the areas • Production Manager report omissions to the Director immediately • Director 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 Director or 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 Systems Coordinator in consultation with the Director 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.