



PIRMP – (Premises)

Pollution Incident Response Management Plan

Bago Forest Quarry

**31 Lookout Road
Herons Creek NSW 2443**

POLLUTION INCIDENT RESPONSE MANAGEMENT PLAN – Bago Forest Quarry at Herons Creek

Approved by: Graham Lockett
Position/Title: Managing Director

Signature:
Date: 11 December 2023



PURPOSE:

CTK Natural Resources Pty Ltd holds an Environment Protection Licence with the NSW Environment Protection Authority (EPA) for Bago Forest Quarry at Herons Creek. As per the *Protection of the Environment Operations Act 1997* (the POEO Act), we, as Licensee, have prepared, and will test and implement this pollution incident response management plan (PIRMP) in compliance with Part 5.7A of the POEO Act in relation to the activity to which the licence relates.

If a pollution incident occurs in the course of an activity so that material harm to the environment (within the meaning of section 147 of the POEO Act) is caused or threatened, we, as Licensee will **immediately** implement this plan in relation to the activity as required by Part 5.7A of the POEO Act.

A written copy of this plan will be kept at the site of the Quarry being 31 Lookout Road, Herons Creek.

The plan will also be available by providing a copy of the plan to any person who makes a proper written request to the Licensee. The sections of the plan that are required to be publicly available are set out in clause 98D of the Protection of the Environment Operations (General) Regulation 2009.

This plan has been developed in accordance with the *Protection of the Environment Operations Act 1997* and the Protection of the Environment Operations (General) Regulation 2009.

Environment Protection Licence (EPL) Details

Name of licensee: CTK Natural Resources Pty Ltd
ABN 64 168 637 652

EPL number: 20983

Premises name and address: Bago Forest Quarry
31 Lookout Road
Herons Creek NSW 2443

Company or business contact details
Name: Graham Lockett
Position or title: Managing Director
Business hours contact number/s: 02 5564 1000
After hours contact number/s: 0455 865 894
Email: glockett@ctknr.com.au

Website address: www.bagoforestquarry.com.au

Scheduled activity/activities on EPL:

Extractive Industries:

Crushing, Grinding, or separating

Fee based activity/activities on EPL:

Land Based Extractive Activity:

Crushing, Grinding, or separating

Pollution incident – Person/s responsible

Contact details must include the names, position titles and 24-hour contact details. Details are to include alternative person/s should the primary contact be unavailable.

PIRMP activation
Name of person responsible: Graham Lockett
Position or title: MD
Business and after hours contact number/s: 02 5564 1000, and 0455 865 894
Email: glockett@ctknr.com.au



Pollution incident – Person/s responsible, continued

Notifying relevant authorities **Name of person responsible: As above**
Position or title: As above
Business hours contact number/s: As above
After hours contact number/s: As above
Email: As above

Managing response to pollution incident **Name of person responsible: As above**
Position or title: As above
Business hours contact number/s: As above.
After hours contact number/s: As above.
Email: As above

Notification of relevant authorities

Persons or authorities required to be notified as per Part 5.7A of the POEO Act in case of a pollution incident that causes or threatens to cause material harm to the environment.

Relevant authorities include:

1. Fire & Rescue NSW and/or Rural Fire Service as applicable – 000 (first notification)
2. Environment Protection Authority – 131 555
3. Health NSW (nearest public health unit): 02 5524 2000

See www.health.nsw.gov.au/Infectious/Pages/phus.aspx for local contact details.

4. SafeWork NSW – 131 050
5. Port Macquarie-Hastings Council 02 6581 8111

Fire & Rescue NSW / Rural Fire Service **Contact number/s: 02 6586 1257 or 1300 643 262**

Environment Protection Authority **Contact number/s: 131 555**

Health NSW **Relevant Area Health Service:**
Contact number 1800 020 080

SafeWork NSW **Contact number/s: 131 050**

Notification of relevant authorities, continued

Local authority	Contact number/s:
Port Macquarie-Hastings Council	02 6581 8111

Forestry Corporation of NSW	Contact number/s: 02 6585 3744
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Notification of neighbours and the local community

Neighbouring owners and/or occupiers will be notified by both text messages, and telephone calls. Refer, Matheson, Mobbs, Roche, Lyons, Morris, Stephens, Moore.

Details of how the neighbours will be informed of the incident, including early warnings and regular updates: **Phone call, email, and/or text message**

Description and likelihood of hazards

Provide a description of the hazards to human health or the environment associated with the activity to which the licence relates:

- 1) Bush fire
- 2) Stormwater run-off.
- 3) Excessive Dust
- 4) Noise from blasting
- 5) Dam failure
- 6) Fuel spill

Identify the likelihood of any such hazards occurring, including details of any conditions or events that could, or would, increase that likelihood:

- 1) Moderate. Hot dry and strong westerly winds could exacerbate this risk.
- 2) Minor risk recognising 4 on-site sediment basins, one of which is substantial. In the event of torrential rainfall equal to or greater than the 20-year ARI event, overland flow across Milligans Road could reach a depth of 500 mm in one location.
- 3) Low risk, recognising the complying levels of air Quality emissions that have been measure every month for the last 2 years.
- 4) Low risk, recognising the complying levels of noise, vibration, and Blast overpressure that have been measured regularly over the last two years.
- 5) Low risk, recognising that the downstream discharge is entirely within a well-defined stream within the state forest.
- 6) Low Risk. The fuel tank is 100% bunded.

Pre-emptive actions to be taken

Provide detailed descriptions of the pre-emptive actions to be taken to minimise or prevent any risk of harm to human health or the environment arising from the activities undertaken at the premises:

- 1) An asset protection zone has been established around critical buildings and will be always maintained.
- 2) Sediment basins and sediment fences have been established on site and will be regularly maintained.
- 3) Watering of traffic zones and stockpiles will be undertaken regularly.
- 4) All workers and other personnel will be evacuated from the entire blast impact zone before all blasting activity, neighbours will be notified ahead of time, and vehicular traffic along adjoining Rhodes will be stopped immediately prior to every Blast.

Inventory of pollutants

Provide an inventory of potential pollutants on the premises or used in carrying out the activity to which the licence relates:

Identify the maximum quantity of any pollutant/s likely to be stored or held at particular locations (including underground tanks) at or on the premises to which the licence relates.

Example

Location/Tank	Max. quantity	Contents	Comments
Diesel Tank	30,000 litres	Diesel	The tank is 100% bunded

Safety equipment

Describe the safety equipment or other devices used to minimise the risks to human health or the environment and to contain or control a pollution incident:

Comprehensive PPE for all employees, visitors and contractors (including Face masks, ear plugs, hard hats, sunscreen, boots, gloves), and air-conditioned cabins in all vehicles and heavy machinery.

Induction for all staff, contractors, and visitors, and ongoing training, toolbox meetings, risk assessments, and hazard management activities.

Dust monitoring, and watering of all roadways and stockpiles.

Fire Extinguishers and blankets are kept in all vehicles and habitable buildings.

Spill kits

First aid kits

Readily available water in storage dam, Water tanks, and Water Truck

Sediment Basins.

Silt fences.

The extent of Blasting is deliberately kept to modest quantities.



Communicating with neighbours and the local community

Identify details of the mechanisms for providing early warnings and regular updates to owners and occupiers of premises in the vicinity of the premises to which the licence relates or where the scheduled activity is carried on:

Roadside signs are erected on 3 adjacent roads notifying upcoming blasting activities. Those roads are also closed prior to and during each blast.

Our website is regularly updated to show various operational activities. Website details are shown on the advertising sign on the public road at the point of entry to the quarry.

Develop any specific information that could be provided to the community, so it can minimise the risk harm:

Website and contact details are highlighted on the Company's advertising signage.

Door knock, email, or phone call notifications to all neighbours prior to all blasting activities

Minimising harm to persons on the premises

Identify the arrangements for minimising the risk of harm to any persons who are on the premises or who are present where the scheduled activity is being carried on:

We have an emergency management plan which has been communicated to all workers.

All personnel will be cleared from the blast impact zone prior to any blasting activities. All workers are provided with comprehensive PPE, including facemasks, earplugs, sunscreen, hardhats, gloves, boots and UHF devices for positive communications. All vehicles are equipped with air conditioning UHF devices and fire extinguishers. All habitable buildings are equipped with fire extinguishers, UHF devices and air conditioning. A substantial asset protection zone (APZ) has been established around all habitable buildings and is regularly maintained.

Maps

Provide a detailed map (or set of maps) showing the:

- location of the premises to which the licence relates.
- surrounding area likely to be affected by a pollution incident.
- location of potential pollutants on the premises.
- location of any stormwater assets and drains on the premises.

It is also recommended the position of any discharge points, or any other useful information be included on the map/s, and that any important details on the map are labelled (e.g. the nearest water course or water body stormwater drains located on the premises discharge to).

A map is exhibited on the Company's website, and in the lunchroom at the quarry.

Actions to be taken during or immediately after a pollution incident

Develop a detailed description of the actions to be taken immediately after a pollution incident to reduce or control any pollution. These should include as a minimum early warnings, updates and actions to be taken during and after an incident:

Notify EPA and other relevant authorities after the incident.

Reinstate any control measure (eg silt ponds and fences) that may have failed during the incident.

Develop a detailed description of how any identified risk of harm to human health will be reduced, including (as a minimum) by means of early warnings, updates and the action to be taken during or immediately after a pollution incident to reduce that risk:

Contain the incident

Notify material harm.

Ongoing environmental monitoring.

Investigate the cause.

Identify any actions to be taken in combating the pollution caused by the incident and how any clean-up and associated funding resulting from an incident will be undertaken:

Relevant staff will be briefed to undertake corrective action.

Coordinating with persons

Identify the procedures to be followed for coordinating with the authorities or persons who have been notified:

Immediately phone and/or email (by the quarry manager and/or his delegate) to all relevant authorities advising who else has been notified.

Identify the person/s through whom all communications are to be made:

The quarry manager or his delegate.

Staff training

Identify the nature and objectives of any staff training program in relation to this plan:

Staff training is carried out every month.

Testing and updating of the PIRMP

It is a legal requirement to test the plan every 12 months and within 1 month of any pollution incident.

Detail the manner in which the plan is to be tested and maintained to ensure the information included in the plan is accurate and up-to-date and the plan is capable of being implemented in a workable and effective manner:

Detail how the testing is documented and recorded (this must include the testing dates and the names of all staff members who carried out the testing):

Detail the dates on which the plan was updated:

11 December 2023.

Example: PIRMP testing details

Date tested	Tested by (to include the names of all people involved in testing)	Details of test (e.g. nature of the test, involvement of other agencies) Note: Testing must cover all components of the plan.	Finding of test including issues identified	Next scheduled testing date (must be within 12 months from current test)
11 December 2023	Rory Flynn Quarry Manager	The dam, Sediment basins and silt fences were inspected and found to be adequate. Water supply investigated and found to be adequate. Fire extinguishers tested and found to be adequate. PPE supplies and first aid supplies inspected and found to be adequate. APZ inspected and found to be adequate. Safety equipment in vehicles inspected and found to be adequate. Air conditioning, in all habitable buildings inspected and found to be adequate.		

PIRMP update details

Date update occurred	Reason for update Routine review	Details of updates (nature of changes to PIRMP)	Date the updated version uploaded to website (if applicable)	Date of completion
11 December 2023		PIRMP document amplified website updated (www.bagoforestquarry.com.au)	11 December 2023	

