

Appendix K – Pollution Incident Response Management Plan

PIRMP purpose

The introduction of the Protection of the Environment Legislation Amendment Act 2011 (POELA Act) in February 2012 requires that holders of EPLs maintain a PIRMP. The POELA also requires that the EPA be notified 'immediately' of incidents causing or threatening material harm to the environment.

This PIRMP has been prepared to satisfy the POELA requirements.

Risk assessment

The main hazards identified at the operation along with control measures to minimise the occurrence and consequences (people and environment) of the identified risks are outlined in Table K1.

Potential pollutants and safety equipment

Details of potential pollutants and safety equipment are provided in Table K2. The location of the items listed is shown on the Water Management Plan in Appendix C.

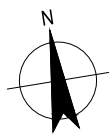
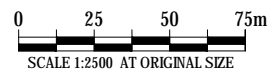
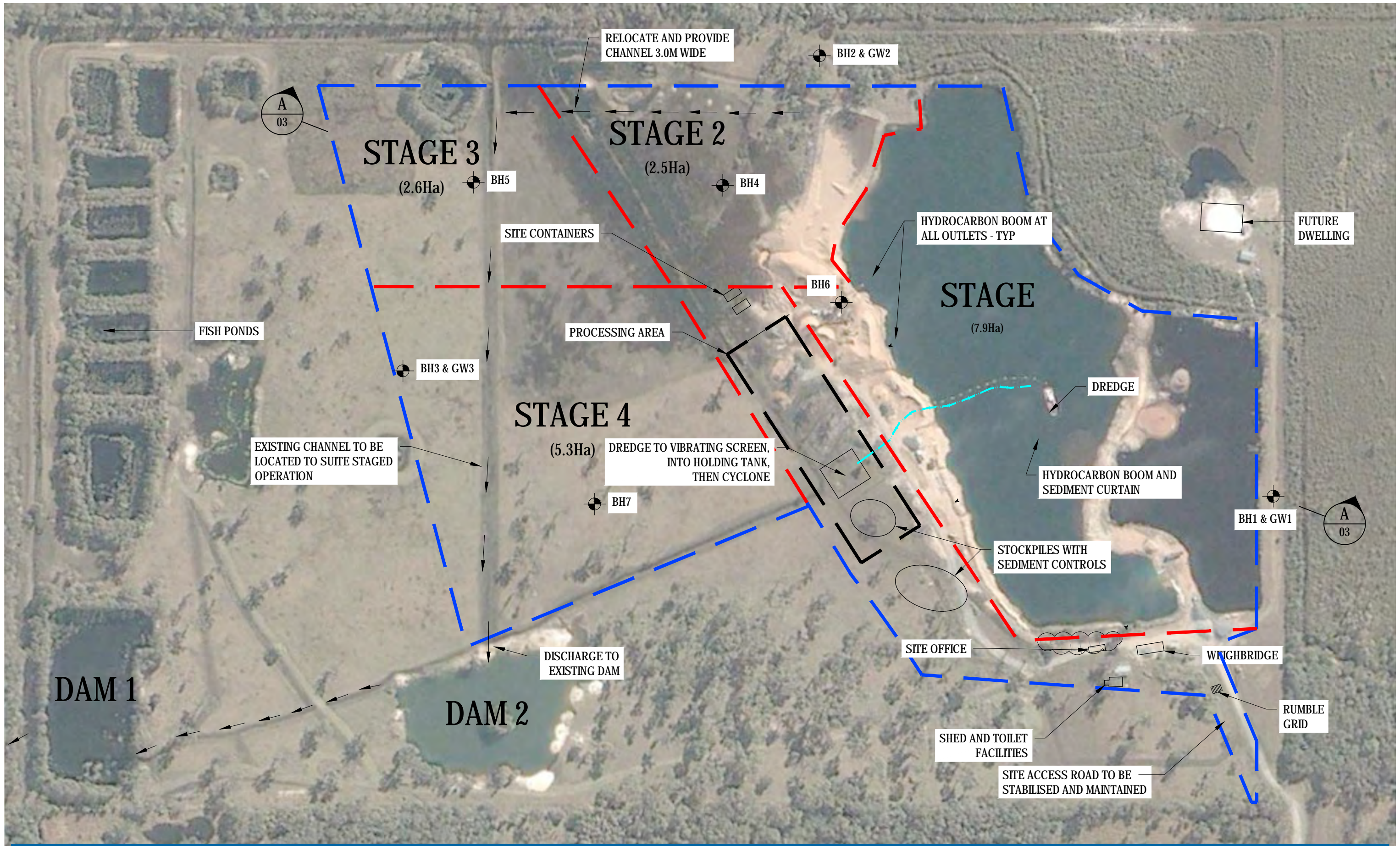
Notifiable pollution incidents

A pollution incident is defined by the POEO Act 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.'

Table K1 Hazards

Location	Hazard	Control Measure/s	Consequence	Likelihood of material harm	Escalating Factors
Sediment pond	Release of water into creek that does not comply with EPL conditions	Refer to Appendix C	Pollution of river downstream of Site	Low	Flood event. Unauthorised or uncontrolled sediment pond discharge
Site depot	Fuel spill	Refer to Appendix C	Polluted soil/ surface water/groundwater	Low	Vehicle accident
Quarry pit and access	Dust	Refer to Appendix G	Reduction of local air quality and amenity	Low	High wind. Dry conditions
Quarry pit and access	Noise	Refer to Appendix F	Reduction of local amenity	Low	Heavy vehicles/machinery



PROFIT OF PRENDRE
BOUNDARY



RIXA QUARRIES
DOONBAH QUARRY
WOODBURN, EVANS HEAD ROAD
PROPOSED QUARRY

Job Number 22-17200
Revision D
Date MAR. 2019

Figure K1

A pollution incident is required to be notified if there is a risk of 'material harm to the environment' which is defined in section 147 of the POEO Act as:

- (1) *For the purposes of this Part:*
- (a) *harm to the environment is material if:*
- (i) *it involves actual or potential harm to the health or safety of human beings or to ecosystems that is not trivial, or*
- (ii) *it results in actual or potential loss or property damage of an amount, or amounts in aggregate, exceeding \$10,000 (or such other amount as is prescribed by the regulations), and*
- (b) *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.*
- (2) *For the purposes of this Part, it does not matter that harm to the environment is caused only in the premises where the pollution incident occurs.*

Incident response & notification

Industry is now required to report pollution incidents 'immediately' to the EPA, NSW Health, Fire and Rescue NSW, WorkCover NSW and the Local Council. 'Immediately' has its ordinary dictionary meaning of promptly and without delay (EPA 2012). As per the definition of an immediate notification incident and resulting from the risk assessment in Table L1, the incidents related to the operations that require immediate notification are:

- Release of water offsite that does not comply with EPL conditions
- Dust emissions that do not comply with EPL conditions
- Noise emissions that do not comply with EPL conditions
- Fuel or chemical leak

Quarry Solutions procedures for responding to a potential immediate notification incident are outlined in Figure K2.

Contact details for Quarry Solutions personnel and external agencies requiring notification is provided in Table K3 and Table K4.

Table K2 Inventory of pollutants and safety equipment

Location	Potential Pollutant	Maximum Quantity	Safety Equipment & Devices	Storage	Alarms
Site Depot	Fuel	Diesel- 4,000L	Bund Spill Kit First aid kit	Stored in specially designed above ground storage tank	NA
Site Depot	Oils	1,000L	Bund Spill Kit First aid kit	Stored in bunded area with a capacity of 110% of the largest container	NA

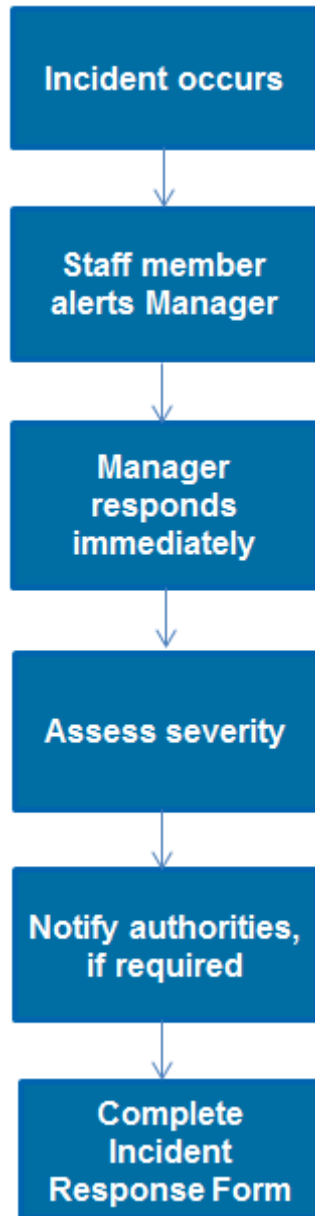


Figure K2 Incident response flowchart

Table K3 Incident contact details - Quarry Solutions

Name	Role	Contact Number
MURRAY PAYNE	OPERATIONS MANAGER	0427 978 964
MORGAN HAMILTON	ENVIRONMENTAL MANAGER	0429 893 405

Table K4 Incident contact details – external

Organisation	Contact Number
Emergency Services	000
EPA Grafton Regional Office	131 555 02 6640 2500
Ambulance	131 233
Ballina Hospital	02 6686 2111
State Emergency Service	132 500
WorkCover	131 050
Fire & Rescue NSW Evans Head Fire Station	000 02 6682 4400

Responsibilities

In the event of an immediate notification incident responsibilities for incident management are as follows:

- Site staff responsible for reporting incidents to Quarry Manager.
- Quarry Manager responsible for assessing incident and response. Also responsible for notifying external authorities, potentially affected community, ensuring adequate resources are available for incident response and liaising with the media.

The Quarry Manager shall determine the most appropriate means of contacting potentially affected community including:

- Door knocking
- Letterbox drops
- Phone
- Local media
- Signage

Information provided to the community would depend on the incident but could include:

- Description of the incident
- Status of incident
- Response actions
- Actions to minimise harm
- Likely duration

Training

Personnel involved in site operations undertake a range of training to assist in the response to potential incidents and to test the adequacy of incident response procedures and plans. Details of the training and testing of the PIRMP is provided in Table K5.

Table K5 Incident response training

Type of Training	Personnel Involved	Frequency	Records
Site Induction	All Site staff	Once	Attendance record
Toolbox meetings	All Site staff	Daily	Attendance record
Incident debrief	All Site staff	Following any notifiable incidents	Attendance record
Plan testing	All Site staff	Once per year	Attendance record

PIRMP review

The PIRMP will be reviewed yearly, within one month of a pollution incident, or when there is a material change to operations including but not limited to:

- Modification of EPL
- Changes in standard operating procedures referred to in this PIRMP
- Change in legislative requirements
- Recommendations arising from an incident debrief emergency drill or emergency simulation exercise

The responsibility for reviewing the PIRMP is with the Quarry Manager. An update of the PIRMP would trigger all staff to undergo refresher training as part of team toolbox meetings as per Table K5.