

Notice No: 1541379

The General Manager
Western Plains Regional Council
PO Box 81
DUBBO NSW 2830

Attention: Mr Darryll Quigley

Notice Number

1541379

File Number

SF16/9904

Date

14-Jun-2016

Re: Karingle Quarry, Lot 19 DP 753252, Eulandool Rd, Benolong

Issued pursuant to Section 91A(2) Environmental Planning and Assessment Act 1979

I refer to the development application and accompanying information provided for the Karingle Quarry, DA2016-70, received by the Environment Protection Authority (EPA) on 3 March 2016. I also refer to additional supporting documents received by the EPA on 29 April 2016.

The EPA has reviewed the information provided and has determined that it is able to issue a licence for the proposal, subject to a number of conditions. The applicant will need to make a separate application to the EPA to obtain the licence prior to commencement of Scheduled Development (construction) works or Scheduled Activities.

The general terms of approval for this proposal are provided at **Attachment A**. If Western Plains Regional Council grants development consent for this proposal these conditions should be incorporated into the consent.

These general terms relate to the development as proposed in the documents and information currently provided to EPA. In the event that the development is modified either by the applicant prior to the granting of consent or as a result of the conditions proposed to be attached to the consent, it will be necessary to consult with EPA about the changes before the consent is issued. This will enable EPA to determine whether its general terms need to be modified in light of the changes.

The EPA would like to advise Council that every Protection of the Environment Operations Act 1997 (POEO) licence will contain a number of mandatory conditions. A copy of the mandatory conditions has



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been included as a separate attachment to the general terms of approval and is provided as **Attachment B**.

The proponent should also be aware of their obligations to prepare a Pollution Incident Response Management Plan (PIRMP) for the premises as required by the Protection of the Environment Legislation Amendment Act 2011. Guidelines on the preparation of the PIRMP can be found at http://www.environment.nsw.gov.au/resources/legislation/201200227egpreppirmp.pdf. The proponent is also required to submit the PIRMP for the premises with the scheduled activity licence application form.

If you have any questions, or wish to discuss this matter further please contact Daniel Stokes on 02 6883 5384.

Yours sincerely

Bradley Tanswell

Acting Head Pesticides, Operations & Planning

Unit

North - Dubbo

(by Delegation)



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Attachment A - General Terms of Approval

Administrative conditions

A1. Information supplied to the EPA

A1.1 Except as expressly provided by these general terms of approval, works and activities must be carried out in accordance with the proposal contained in:

- the Development Application DA2016-7 submitted to EPA on 3 March 2016;
- Karingle Quarry, Environmental Impact Statement, prepared by R.W. Corkey dated February 2016; and
- all additional documents supplied to the EPA in relation to the development, including Additional Information: Noise and Blasting Impact Assessment, prepared by Muller Acoustic Consulting dated 26 April 2016; and Additional Information Report, prepared by R.W. Corkey dated 28 April 2016.

A2. Fit and Proper Person

A2.1 The applicant must, in the opinion of the EPA, be a fit and proper person to hold a licence under the Protection of the Environment Operations Act 1997, having regard to the matters in s.83 of that Act.

Discharges to Air and Water and Applications to Land

P1.1 The following points referred to in the table are identified in this licence for the purpose of the monitoring and/or the setting of limits for discharges of pollutants to waters from the point.

EPA identification no.	Types of Monitoring Point	Type of Discharge Point	Location Description
Sediment Basin 1 Overflow (location TBA)	Surface quality monitoring	Surface water discharge	TBC in site specific Water Management Plan
Sediment Basin 2 Overflow (location TBA)	Surface quality monitoring	Surface water discharge	TBC in site specific Water Management Plan
Weather Station	Onsite Weather station	-	TBC in site specific Water Management Plan



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Notes:

- 1) The monitoring requirements may be modified by the EPA subject to ongoing review of licence conditions and monitoring results.
- 2) A licence application will need to define the sediment basins and other monitoring and discharge points on the premises.
- 3) Discharge of pollutants to waters from the sediment basins is only permitted when the discharge occurs solely as a result of rainfall that exceeds the minimum design criteria for sediment control measures in Managing Urban Stormwater: Soils and Construction - Volume 2E Mines and Quarries.

Limit conditions

L1. Pollution of waters

L.1.1 Except as may be expressly provided by a licence under the Protection of the Environment Operations Act 1997 in relation of the development, section 120 of the Protection of the Environment Operations Act 1997 must be complied with in and in connection with the carrying out of the development.

L5. Waste

- **L5.1** The licensee must not cause, permit or allow any waste generated outside the premises to be received at the premises for storage, treatment, processing, reprocessing or disposal or any waste generated at the premises to be disposed of at the premises, except as expressly permitted by a licence under the Protection of the Environment Operations Act 1997.
- L5.2 This condition only applies to the storage, treatment, processing, reprocessing or disposal of waste at the premises if it requires an environment protection licence under the Protection of the Environment Operations Act 1997.

L6. Noise limits

- **L6.1** Noise from the premises must not exceed:
- (a) an LAeq (15 minute) noise emission criterion of 35 dB(A) (7am to 6pm) Monday to Friday and (8am to 1pm) Saturday; and
- (b) an LAeq (15 minute) noise emission criterion of 35 dB(A) during the evening (6pm to 10pm) Monday to Friday; and
- (c) an LAeq (1 minute) of 45dB(a) at night (10pm to 7am) Monday to Saturday and 10pm to 8am Sundays and Public Holidays.

Notes:

- 1) LAeq(15 minute) is defined as the continuous 'A' weighted sound pressure level-the energy average of the noise measured over a 15 minute period; and
- 2) LA1(1 minute) is defined as the sound pressure level exceeded for one percent of a 1 minute measurement period.



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- **L6.2** The noise limits set out in condition L6.1 apply under all meteorological conditions except for any one of the following:
- a) Wind speeds greater than 3 metres/second at 10 metres above ground level; or
- b) Stability category G conditions and wind speeds greater than 2 metres/second at 10 metres above ground level;

L6.3 For the purposes of condition L6.2:

- a) The meteorological data to be used for determining meteorological conditions is the data recorded by the on-site meteorological weather station.
- b) Temperature inversion will be assessed by use of the sigma-theta process as outlined in Appendix E4 of the NSW Industrial Noise Policy (INP).
- **L6.4** For the purposes of determining the noise generated at the premises Class 1 or 2 noise monitoring equipment as defined by AS IEC61672.1-2004 and AS IEC61672.2-2004, or other noise monitoring equipment accepted by the EPA in writing, must be used.

L6.5 To determine compliance:

- a) With the LAeq(15 minute) noise limits in condition L6.1, the noise monitoring equipment must be located:
- within 30 metres of a dwelling façade but not closer than 3 metres where any dwelling on the property is situated more than 30 metres from the property boundary that is closest to the premises;
- approximately on the boundary where any dwelling is situated 30 metres or less from the property boundary that is closest to the premises;
- within approximately 50 metres of the boundary of a National Park or a Nature Reserve.
- b) With the LA1(1minute) noise limit in ConditionL4.1;the noise monitoring equipment must be located within 1 metre of the dwelling facade.
- c) The noise monitoring equipment must be located in a position that is:
- at the most affected point at a location where there is no dwelling at the location; or
- at the most affected point within an area at a location prescribed by conditions L6.5(a)or 6.5(b).
- **L6.6** A breach of this Environment Protection Licence will still occur where noise generated from the premises in excess of the appropriate limit specified in the condition L6.1 is detected:
- at a location other than an area prescribed by Conditions L6.5(a) or L6.5(b); and/or
- at a point other than the most affected point at a location.
- **L6.7** For the purposes of determining the noise generated at the premises the modification factors in Section 4 of the NSW Industrial Noise Policy must be applied, as appropriate, to the noise levels measured by the noise monitoring equipment.

Hours of operation

L6.8 All construction work at the premises must only be conducted between Monday to Friday, 7am to 6pm and Saturday, 8am to 1pm.



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L6.9 Activities at the premises, other than construction work, may only be carried on between Monday to Friday, 7am to 6pm and Saturday, 8am to 1pm.

L7.1 This condition does not apply to the delivery of material outside the hours of operation permitted by condition L6.4 or L6.5, if that delivery is required by police or other authorities for safety reasons; and/or the operation or personnel or equipment are endangered. In such circumstances, prior notification is provided to the EPA and affected residents as soon as possible, or within a reasonable period in the case of emergency.

L7.2 The hours of operation specified in conditions L6.8 and L6.9 may be varied with written consent if the EPA is satisfied that the amenity of the residents in the locality will not be adversely affected.

L7. Blasting

Overpressure

- **L7.3** The overpressure level from blasting operations on the premises must not:
- (a) Exceed 115dB (Lin Peak) for more than 5% of the total number of blasts over a period of 12 months; and
 - (b) Exceed 120dB (Lin Peak) at any time,

The airblast overpressure values stated above apply when the measurements are performed with equipment having a lower cut-off frequency of 2Hz or less. If the instrumentation has a higher cut off frequency then a correction of 5dB should be asses to the measured value. Equipment with a lower cut-off frequency exceeding 10Hz should not be used for the purpose of measuring airblast overpressure.

Notes:

- 1) Error margins associated with any monitoring equipement used to measure this are not to be taken into account in determining whether or not the limit has been exceeded.
- 2) All blasts are to be designed by a suitably qualified /experienced blasting engineer
- L7.4 A breach of the licence will still occur where airblast overpressure or ground vibration levels from the blasting operations at the premises exceeds the limit specified in Condition L7.3 at any "noise sensitive locations" other than the locations identified in the above conditions.
- **L7.5** The Proponent may exceed the limits in Condition L7.3 if it has a written negotiated blasting agreement with any landowner for higher blasting overpressure and vibration limits, and a copy of the agreement has been forwarded to the EPA.
- L7.6 Airblast overpressure or ground vibration as a result of blasting at the premises must not exceed levels that cause cosmetic or other damage, and in relation to Condition L7.5 only if specifically allowed for in the written agreement between the proponent and the landholder.

Ground vibration (ppv)

L7.7 Ground vibration peak particle velocity from the blasting operations at the premises must not:



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- (a) Exceed 5mm/s for more than 5% of the total number of blasts over a period of 12 months; and
- (b) Exceed 10mm/s at any time,

when measured at any point within 1 metre of any affected residential boundary or other noise sensitive location such as a school or hospital.

Time of blasting

L7.8 Blasting operations on the premises may only take place between 9am and 5pm Monday to Saturday inclusive.

L7.9 The hours of operation for blasting operations specified in this condition may be varied if the EPA, having regard to the effect that the proposed variation would have on the amenity of the residents in the locality, gives written consent to the variation.

Frequency of blasting

L8.1 Blasting at the premises is limited to 1 blast each day on which blasting is permitted.

Monitoring and Reporting Conditions

M4 Weather monitoring

M4.1 The meteorological weather station must be maintained so as to be capable of continuously monitoring the parameters specified in the condition below.

M4.2 For each monitoring point specified in the table below the licensee must monitor (by sampling and obtaining results by analysis) the parameters specified in Column 1. The licensee must use the sampling method, units of measure, averaging period and sample at the frequency, specified opposite in the other columns.

Parameter	Units of measure	Frequency	Averaging Period	Sampling Method
Rainfall	mm/hour	continuous	1 hour	AM-4
Sigma theta	degrees	continuous	10 minute	AM-2 and AM-4
Siting				· AM-1
Temperature at 2 metres	kelvin	continuous	10 minute	AM-4
Temperature at 10 metres	kelvin	continuous	10 minute	AM-4



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Wind Direction at 10 metres	degrees	continuous	10 minute	AM-2 and AM-4
Wind Speed at 10 metres	metres per second	continuous	10 minute	AM-2 and AM-4

Monitoring of all parameters listed in Condition 1 Column 1 must commence prior to earth moving activities being undertaken at the site.

Operating conditions

01. Odour

O1.1 The licensee must not cause or permit the emission of offensive odour beyond the boundary of the premises.

Note: The POEO Act states that no offensive odour may be emitted from particular premises unless potentially offensive odours are identified in the licence and the odours are emitted in accordance with conditions specifically directed at minimising the odours are permitted. Where it is appropriate for a licence to identify and control offensive odours, conditions for the licence should be developed in consultation with Air Policy.

O2. Dust

- O2.1 Activities occurring at the premises must be carried out in a manner that will minimise emissions of dust from the premises.
- O2.2 Trucks entering and leaving the premises that are carrying loads must be covered at all times, except during loading and unloading.
- **O2.3** All dust control equipment must be operable at all times with the exception of shutdowns required for maintenance.

O3. Stormwater/sediment control - Construction Phase

O3.1 A Soil and Water Management Plan (SWMP) must be prepared and implemented. The plan must describe the measures that will be employed to minimise soil erosion and the discharge of sediment and other pollutants to lands and/or waters during construction activities. The SWMP should be prepared in accordance with the requirements for such plans outlined in *Managing Urban Stormwater: Soils and Construction* (available from the Department of Housing).



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04. Stormwater/sediment control - Operation Phase

O4.1 A Stormwater Management Scheme must be prepared for the development and must be implemented. Implementation of the Scheme must mitigate the impacts of stormwater run-off from and within the premises following the completion of construction activities. The Scheme should be consistent with the Stormwater Management Plan for the catchment. Where a Stormwater Management Plan has not yet been prepared the Scheme should be consistent with the guidance contained in *Managing Urban Stormwater: Council Handbook* (available from the EPA).

05 Bunding Requirements

All above ground storage facilities containing flammable and combustible liquids must be bunded in accordance with Australian Standard AS 1940-2004.

06. Prepare and Implement Water Management Plan (WMP)

O5.1 The licensee must prepare and implement a Water Management Plan (WMP). The WMP for the project must be prepared to the satisfaction of the EPA and must be submitted with the Environment Protection License application. This plan must:



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- (a) be prepared by a suitably qualified and experienced person(s);
- (b) address construction, operation and post closure monitoring, management and response arrangements;
- (c) include an estimate of the quality and quantity of all pollutants that may be discharged, including consideration of any proposed flocculants or chemical dust suppressants that could be discharged to the environment;
- (d) identify the indicators and associated trigger values (proposed discharge limits) or criteria for the identified environmental values. This information must be sourced from ANZECC Guidelines for Fresh and Marine Water Quality*.
 - (c) include:
 - (i) a Site Water Balance; and
 - (iii) a Soil and Water Management Plan.
- **O5.2** The Site Water Balance, must identify how any water removed from the sediment basins to return to the design freeboard will be managed.
- **O5.3.** The Water Management Plan must include, as minimum:
- (a) describe how soil erosion and sediment pollution will be managed following the guidelines, principles and minimum design standards in Managing Urban Stormwater: Soils and Construction Volume 1 (the Blue Book) during the construction/commencement stages;
- (b) describe how long-term soil erosion and sediment pollution measures such as dirty water diversion drains, sediment basins and soil stockpile areas will be designed and managed consistent with the guidelines, principles and minimum design standards in Managing Urban Stormwater: Soils and Construction Volume 2E Mines and Quarries:
 - (c) provide plan drawings showing the locations of best management practices for the site during all construction/commencement and operational stages;
- (d) include written text detailing the installation, monitoring and maintenance requirements for each of the recommended best management practices for erosion and sediment control;
- (e) include drawings of any engineering structures such as sediment basins and dirty water diversion structures, including design standards and management regimes to return the erosion and sediment control system to design capacity following rainfall events;
 - (f) include design calculations and sizing for all dirty water diversion bunds and sediment basins on site;
- (g) consider the potential for increasing the size of sediment basins to maximise water reuse and reduce the need for managed overflows or discharge;
- (h) ensure that unsealed roads are maintained consistent with the practices and principles in 'Managing Urban Stormwater Soils and Construction Volume 2C Unsealed Roads';
- (i) ensure that any service installation will me managed consistent with the guidelines, principles and minimum design standards in Managing Urban Stormwater: Soils and Construction Volume 2A: Installation of Services.

Note: *For sediment basin discharge limits, the licensee must adopt the trigger values from the ANZECC Guidelines for Fresh and Marine Water Quality or develop site-specific trigger values following an appropriate period of background monitoring.



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07. Noise

Blast management protocol

- **O7.1** A Blasting/Vibration Management Protocol must be prepared in relation to the development and implemented. The protocol must include, but need not be limited to, the following matters:
 - (a) compliance standards;
 - (b) mitigation measures;
 - (c) remedial action;
 - (d) monitoring methods and program;
 - (e) monitoring program for flyrock distribution;
- (f) measures to protect underground utilities (eg: rising mains, subsurface telecommunication and electric cables) and livestock nearby;
 - (g) notification of procedures for neighbours prior to detonation of each blast;
 - (h) measures to ensure no damage by flyrock to people, property, livestock and powerlines.

Monitoring and recording conditions

M1 Monitoring records

M1.1 The results of any monitoring required to be conducted by the EPA's general terms of approval, or a licence under the Protection of the Environment Operations Act 1997, in relation to the development or in order to comply with the load calculation protocol must be recorded and retained as set out in conditions M1.2 and M1.3.

M1.2 All records required to be kept by the licence must be:

in a legible form, or in a form that can readily be reduced to a legible form;

kept for at least 4 years after the monitoring or event to which they relate took place; and produced in a legible form to any authorised officer of the EPA who asks to see them.

M1.3 The following records must be kept in respect of any samples required to be collected: the date(s) on which the sample was taken;

the time(s) at which the sample was collected;

the point at which the sample was taken; and

the name of the person who collected the sample.



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Reporting conditions

R1.1 The applicant must provide an annual return to the EPA in relation to the development as required by any licence under the Protection of the Environment Operations Act 1997 in relation to the development. In the return the applicant must report on the annual monitoring undertaken (where the activity results in pollutant discharges), provide a summary of complaints relating to the development, report on compliance with licence conditions and provide a calculation of licence fees (administrative fees and, where relevant, load based fees) that are payable. If load based fees apply to the activity the applicant will be required to submit load-based fee calculation worksheets with the return.

M6 Telephone complaints line

M6.1 The licensee must operate during its operating hours a telephone complaints line for the purpose of receiving any complaints from members of the public in relation to activities conducted at the premises or by the vehicle or mobile plant, unless otherwise specified in the licence.

M6.2 The licensee must notify the public of the complaints line telephone number and the fact that it is a complaints line so that the impacted community knows how to make a complaint.

M6.3 The preceding two conditions do not apply until three months after the date of the issue of this licence.



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Attachment B - Mandatory Conditions for all EPA licences

Administrative conditions

Other activities

(To be used on licences with ancillary activities)

This licence applies to all other activities carried on at the premises, including:

- Extractive Activities; and
- Crushing, Grinding and Separating

Operating conditions

Activities must be carried out in a competent manner

Licensed activities must be carried out in a competent manner.

This includes:

- a. the processing, handling, movement and storage of materials and substances used to carry out the activity; and
- b. the treatment, storage, processing, reprocessing, transport and disposal of waste generated by the activity.

Maintenance of plant and equipment

All plant and equipment installed at the premises or used in connection with the licensed activity:

- a. must be maintained in a proper and efficient condition; and
- b. must be operated in a proper and efficient manner.

Monitoring and recording conditions

Recording of pollution complaints

The licensee must keep a legible record of all complaints made to the licensee or any employee or agent of the licensee in relation to pollution arising from any activity to which this licence applies.

The record must include details of the following:

- the date and time of the complaint;
- the method by which the complaint was made;
- any personal details of the complainant which were provided by the complainant or, if no such details were
 provided, a note to that effect;
- the nature of the complaint;



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- the action taken by the licensee in relation to the complaint, including any follow-up contact with the complainant; and
- · if no action was taken by the licensee, the reasons why no action was taken.

The record of a complaint must be kept for at least 4 years after the complaint was made.

The record must be produced to any authorised officer of the EPA who asks to see them.

Telephone complaints line

The licensee must operate during its operating hours a telephone complaints line for the purpose of receiving any complaints from members of the public in relation to activities conducted at the premises or by the vehicle or mobile plant, unless otherwise specified in the licence.

The licensee must notify the public of the complaints line telephone number and the fact that it is a complaints line so that the impacted community knows how to make a complaint.

This condition does not apply until 3 months after this condition takes effect.

Reporting conditions

Annual Return documents

What documents must an Annual Return contain?

The licensee must complete and supply to the EPA an Annual Return in the approved form comprising:

- a. Statement of Compliance: and
- b. Monitoring and Complaints Summary.

A copy of the form in which the Annual Return must be supplied to the EPA accompanies this licence. Before the end of each reporting period, the EPA will provide to the licensee a copy of the form that must be completed and returned to the EPA.

Period covered by Annual Return

An Annual Return must be prepared in respect of each reporting, except as provided below

Note: The term "reporting period" is defined in the dictionary at the end of this licence. Do not complete the Annual Return until after the end of the reporting period.

Where this licence is transferred from the licensee to a new licensee,

- a. the transferring licensee must prepare an annual return for the period commencing on the first day of the reporting period and ending on the date the application for the transfer of the licence to the new licensee is granted; and
- b. the new licensee must prepare an annual return for the period commencing on the date the application for the transfer of the licence is granted and ending on the last day of the reporting period.

Note: An application to transfer a licence must be made in the approved form for this purpose.

Where this licence is surrendered by the licensee or revoked by the EPA or Minister, the licensee must prepare an annual return in respect of the period commencing on the first day of the reporting period and ending on



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- a. in relation to the surrender of a licence the date when notice in writing of approval of the surrender is given; or
- b. in relation to the revocation of the licence the date from which notice revoking the licence operates.

Deadline for Annual Return

The Annual Return for the reporting period must be supplied to the EPA by registered post not later than 60 days after the end of each reporting period or in the case of a transferring licence not later than 60 days after the date the transfer was granted (the 'due date').

Licensee must retain copy of Annual Return

The licensee must retain a copy of the annual return supplied to the EPA for a period of at least 4 years after the annual return was due to be supplied to the EPA.

Certifying of Statement of Compliance and Signing of Monitoring and Complaints Summary

Within the Annual Return, the Statement of Compliance must be certified and the Monitoring and Complaints Summary must be signed by:

- a. the licence holder; or
- b. by a person approved in writing by the EPA to sign on behalf of the licence holder.

A person who has been given written approval to certify a Statement of Compliance under a licence issued under the Pollution Control Act 1970 is taken to be approved for the purpose of this condition until the date of first review this licence.

Notification of environmental harm

Note: The licensee or its employees must notify the EPA of incidents causing or threatening material harm to the environment immediately after the person becomes aware of the incident in accordance with the requirements of Part 5.7 of the Act

Notifications must be made by telephoning the EPA's Pollution Line service on 131 555.

The licensee must provide written details of the notification to the EPA within 7 days of the date on which the incident occurred.

Written report

Where an authorised officer of the EPA suspects on reasonable grounds that:

- a. where this licence applies to premises, an event has occurred at the premises; or
- b. where this licence applies to vehicles or mobile plant, an event has occurred in connection with the carrying out of the activities authorised by this licence,

and the event has caused, is causing or is likely to cause material harm to the environment (whether the harm occurs on or off premises to which the licence applies), the authorised officer may request a written report of the event.

The licensee must make all reasonable inquiries in relation to the event and supply the report to the EPA within such time as may be specified in the request.

The request may require a report which includes any or all of the following information:



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- a. the cause, time and duration of the event;
- b. the type, volume and concentration of every pollutant discharged as a result of the event;
- c. the name, address and business hours telephone number of employees or agents of the licensee, or a specified class of them, who witnessed the event; and
- d. the name, address and business hours telephone number of every other person (of whom the licensee is aware) who witnessed the event, unless the licensee has been unable to obtain that information after making reasonable effort;
- e. action taken by the licensee in relation to the event, including any follow-up contact with any complainants;
- details of any measure taken or proposed to be taken to prevent or mitigate against a recurrence of such an event;
- g. any other relevant matters.

The EPA may make a written request for further details in relation to any of the above matters if it is not satisfied with the report provided by the licensee. The licensee must provide such further details to the EPA within the time specified in the request.

General conditions

Copy of licence kept at the premises or on the vehicle or mobile plant

A copy of this licence must be kept at the premises or on the vehicle or mobile plant to which the licence applies.

The licence must be produced to any authorised officer of the EPA who asks to see it.

The licence must be available for inspection by any employee or agent of the licensee working at the premises or operating the vehicle or mobile plant.