

# Fax message



Hanson Construction Materials Pty Ltd  
ABN 90 009 679 734  
Harts Rd  
Luscombe QLD 4207

PO Box 6007  
Yatala QLD 4207  
1

www.hanson.biz

Date 30-3-2005  
To ROB.

Fax 3871-0021.

From CRAIG STEVENS.

Fax (07) 5549 7050

Ph: (07) 5549 7070

Subject:

Pages 23

PLEASE FIND ATTACHED EPA

LICENSE AS REQUESTED

THANKS.  
C. Stevens.  
for CRAIG STEVENS

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**Environmental  
Protection  
Agency**

Southern Region • 288 Edward Street • Brisbane Queensland • GPO Box 2771 • BRISBANE QLD 4001 • AUSTRALIA  
Telephone (07) 3224 5641 • Facsimile (07) 3225 8723 • www.env.qld.gov.au

**Environmental Protection Act 1994**

**Notice of Decision to Grant Application for Licence Amendment**

**Section 49(10)(a)**

Enquiries to: Sacha Webb  
Telephone: (07) 55764020  
Your Reference:  
Our Reference: 983EA160

Pioneer Construction Materials Pty Ltd  
Level 11  
Toowong Tower  
9 Sherwood Road  
TOOWONG QLD 4060

Attn.: Mr Keith Murphy

Dear Sir/Madam

**Re: Amendment of Licence No. SR197 in respect of carrying out Environmentally Relevant Activities (ERA's) No. 20(c) - Extraction of rock or other material, No. 22(c) - Screening etc materials, No. 11(a) - petroleum product storage and No. 62 - Concrete batching located at Harts Road Luscombe.**

Your application to amend Licence No. SR197 has been granted.

A copy of the amended licence including the schedule of conditions is attached. The amended licence takes effect from 11 May 2000.

Information relating to a review of the decision or appeals under this Act is attached to this notice.

signed .....

Delegate of Administering Authority  
Environmental Protection Act (1994)

date .....

## Environmental Protection Act 1994

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Licence No. SR197

### Section 45(1)

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Under the provisions of the *Environmental Protection Act 1994* this environmental authority is issued:

To: Pioneer Construction Materials Pty Ltd

Address: Level 11  
Toowong Tower  
9 Sherwood Road  
TOOWONG QLD 4066

in respect of carrying out the environmentally relevant activities at the following place(s):

Lot 1 & 2 on RP 167150  
Lot 11V on WD 90  
Lot 75 on WD 90  
Lot 25A on W31355  
Lot 80 on W311086  
Lots 1 & 2 on RP 15903

located at: Harts Road  
LUSCOMBE QLD 4207

**ERA 19(c)** - Extraction of rock or other material - extracting rock (other than rock mined in block or slab form for building purposes), sand (other than foundry sand), clay (other than clay used for its ceramic properties, kaolin or bentonite), gravel, loam or other material (other than under a mining authority) from pits or quarries using plant or equipment having a design capacity of 100 000 tonnes or more per year.

**ERA 21(c)** - Screening etc. materials - screening, washing, crushing, grinding, milling, sizing or separating material extracted from the earth (other than under a mining authority) or by dredging using plant or equipment having a design capacity of 100 000 tonnes per year.

**ERA 11(a)** - Petroleum product storage - storing petroleum products in tanks or containers having a combined total storage capacity of 10 000 litres or more but less than 500 000 litres.

**ERA 60** - Concrete batching - commercially producing concrete or producing concrete products by mixing cement, sand, rock, aggregate or other similar materials in works (including mobile works) having a design production capacity of more than 100 tonnes per year.

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Env Auth # SR197

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Pioneer Construction Materials Pty Ltd

*Environmentally Relevant Activities:*

19(c) - Extraction of rock or other material

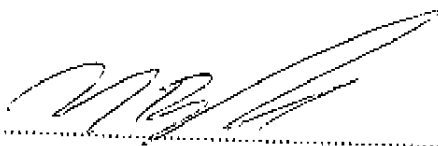
21(c) - Screening etc. materials

11(a) - Petroleum product storage

60 - Concrete batching

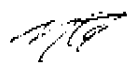
This environmental authority is issued subject to the conditions set out in the schedules attached to this environmental authority.

This licence takes effect from 11 May 2000.

signed 

Nerida Budd  
District Manager  
Sunshine Coast and Gold Coast  
Delegate of Administering Authority  
*Environmental Protection Act (1994)*

date 20/4/00



Env Auth # SR197

ACN 009 679 734

Pioneer Construction Materials Pty Ltd

*Environmentally Relevant Activities:*

19(c) - Extraction of rock or other material

21(c) - Screening etc. materials

11(a) - Petroleum product storage

60 - Concrete batching

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This environmental authority consists of the following schedules-

Schedule A - General Conditions

Schedule B - Air

Schedule C - Water

Schedule D - Stormwater Management

Schedule E - Land Application

Schedule F - Noise

Schedule G - Waste Management

Schedule H - Self Monitoring and Reporting

Schedule I - Definitions

Env Auth # SR197

ACN 009 679 734

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*Environmentally Relevant Activities:*

19(c) - Extraction of rock or other material

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**SCHEDULE A - GENERAL CONDITIONS**

**Compliance with Environmental Authority**

- (A1) Contaminants must not be released to the environment other than in accordance with this environmental authority.
- (A2) The holder of this environmental authority must:
- (a) install and operate all works and control equipment, and
  - (b) take all measures, perform all acts and do all things, necessary to ensure compliance with the conditions of this environmental authority.

**Display of Environmental Authority**

- (A3) A copy of this environmental authority must be kept in a location readily accessible to personnel carrying out the activity.

**Records**

- (A4) Any record required to be kept by a condition of this environmental authority must be kept at the licensed place and be available for examination by an authorised person.
- (A5) Copies of any record required to be kept by a condition of this environmental authority must be provided to any authorised person or the administering authority on request.

**Alterations**

- (A6) No change, replacement or operation of any plant or equipment is permitted if the change, alteration or operation of the plant or equipment increases, or is likely to substantially increase, the risk of environmental harm.

**Calibration**

- (A7) All instruments and measurement devices used for the measurement or monitoring of any parameter under any condition of this environmental authority must be calibrated, and appropriately operated and maintained.

**Integrated Environmental Management System (IEMS)**

- (A8) A copy of the Integrated Environmental Management Plan must be kept at the licensed place.
- (A9) The holder of this environmental authority must submit details of any amendment to the Integrated Environmental Management System to the administering authority with the Annual Return which immediately follows the enactment of any such amendment.

Env Auth # SR197

ACN 009 679 734

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*Environmentally Relevant Activities:*

- 19(c) - Extraction of rock or other material
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  - 11(a) - Petroleum product storage
  - 60 - Concrete batching
- 

**Nuisance**

- (A10) Notwithstanding any other condition of this environmental authority, this environmental authority does not authorise any release of contaminants which causes or is likely to cause an environmental nuisance beyond the boundaries of the licensed place.

**End of Conditions for Schedule A**



Env Auth # SR197

ACN 009 679 734

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**SCHEDULE B- AIR****Non-regulated releases**

- (B1) Except as otherwise provided by the conditions of the air schedule of this environmental authority, the environmentally relevant activity must be carried out by such practicable means necessary to prevent the release or likelihood of release of contaminants to the atmosphere.
- (B2) Where it is not practicable to prevent a release of contaminants to the atmosphere as required by condition B1, the environmentally relevant activity must be carried out by such practicable means necessary to minimise the release or likelihood of any such release of contaminants to atmosphere.

**Dust Control**

- (B3) A filtered dust extraction system or water sprays are to be installed and operated on the crushing and screening plant system as necessary to minimise the release of dust and particulate matter to the atmosphere.

**Dust control**

- (B4) Water sprays must be installed and operated as necessary to minimise the release of dust and particulate matter to the atmosphere.
- (B5) All sealed traffic areas must be cleaned as necessary to minimise the release of dust and particulate matter to the atmosphere.
- (B6) Trafficable areas must be sealed with bitumen or an equivalent hard surface, or otherwise maintained to the satisfaction of the administering authority, in a condition which minimises the release of wind blown or traffic generated dust.

**Loss of materials during transit**

- (B7) The tailgates of all trucks leaving the premises must be securely fixed prior to loading and immediately after unloading to prevent loss of materials.
- (B8) Trucks transporting material from the premises must be covered immediately after loading to prevent wind-blown releases and spillage.

**Site Controls**

- (B9) Completed areas must be stabilised by landscaping or revegetating as soon as practicable and to the satisfaction of the administering authority.
- (B10) Rehabilitation must be carried out in such a manner as to minimise releases of wind-blown dust and erosion.
- (B11) Access to areas awaiting or being rehabilitated must be restricted by suitable barriers to prevent disturbance of these areas.

**End of Conditions for Schedule B**



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**SCHEDULE C - WATER**

**Release of Contaminants to Waters**

- (C1) Contaminant(s) must not be directly or indirectly released from the licensed place to any waters or the bed and banks of any waters except as permitted under the water schedule or the stormwater management schedule or to a sewer under a trade waste agreement as approved from time to time by the relevant Local Government.

**End of Conditions for Schedule C**

Env Auth # SR197

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**SCHEDULE D -STORMWATER MANAGEMENT****Contaminant Releases Caused by Rainfall**

- (D1) The environmentally relevant activity must be carried out by such practicable means necessary to prevent the contact of incident rainfall and stormwater runoff with wastes or other contaminants.
- (D2) Where it is not practicable to prevent contact as required by condition D1, the environmentally relevant activity must be carried out by such practicable means necessary to minimise any such contact.

**Release of contaminated stormwater runoff**

- (D3) Except as otherwise provided by the conditions of the stormwater management schedule and the water schedule of this environmental authority, the environmentally relevant activity must be carried out by such practicable means necessary to prevent the release or likelihood of release of contaminated runoff from the licensed place to any stormwater drain or waters or the bed or banks of any such waters.
- (D4) Where it is not practicable to prevent any release of contaminated runoff as required by condition D3, the environmentally relevant activity must be carried out by such practicable means necessary to minimise any such release or the likelihood of any such release.
- (D5) Contaminants must not be directly or indirectly released from any source on the licensed place to any waters at any location other than the contaminants and sources at the location listed below and at any time other than during a severe storm event:

Release Point W1

Described as Albert Creek, where the creek leaves the owners northern property boundary.

**Quality Characteristics of Release**

- (D6) The release of contaminants must comply, at the sampling point S3 specified in condition H14, with each of the limits specified in Schedule D - Table 1 for each quality characteristic.

**Schedule D - Table 1 Release Quality Characteristics**

QUALITY CHARACTERISTIC	DISCHARGE LIMIT	LIMIT TYPE
pH. (pH Units)	6.5 - 9.0	range
Suspended Solids. (mg/L)	50	maximum
Dissolved Oxygen (mg/L)	6	minimum

Env Auth # SR197

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- 

- (D7) The release of contaminants to waters must comply with the following qualitative characteristics:
- (a) The release must not have any properties nor contain any organisms or other contaminants which are capable of causing environmental harm.
  - (b) The release must not produce any slick or other visible evidence of oil or grease, nor contain visible scum, litter or other objectionable matter.

**Stormwater Management Plan**

- (D8) By 1 March 1997 the holder of this environmental authority must prepare and submit to the administering authority a Stormwater Management Plan for the licensed place which is acceptable to the administering authority.
- (D9) The Stormwater Management Plan must provide detail on the works to be implemented and the timetable proposed to address at least the following issues:
- prevention of incident stormwater and stormwater runoff from contacting wastes or contaminants, and
  - diversion of upstream runoff away from areas containing wastes or contaminants, and
  - minimisation of the size of contaminated areas, and
  - cleaning of contaminated areas without water, and
  - installation of oil separators, silt and rubbish traps, and stormwater diversion systems, and
  - paving and roofing of contaminated areas, and
- If soil is to be exposed or disturbed as a result of the activities conducted the Stormwater Management Plan must also address,
- minimisation of the amount of soil to be exposed or disturbed by staging works, and
  - revegetation of exposed or disturbed areas, and
  - installation of sediment control measures such as settling basins, and
  - diversion of upstream runoff from exposed or disturbed areas.
- (D10) The Stormwater Management Plan must be implemented by the holder of this environmental authority following its approval in writing by the administering authority.
- (D11) The holder of this environmental authority must submit details of any amendment to the approved Stormwater Management Plan to the administering authority with the Annual Return which immediately follows the enactment of any such amendment.
- (D12) The licensed site must be sealed and/or graded to ensure that water does not "pond" on site.
- (D13) The maintenance and cleaning of vehicles and any other equipment or plant must be carried out in areas from where contaminants cannot be released into any waters, roadside gutter or stormwater drainage system.

Env Auth # SR197

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- (D14) Any spillage of wastes, contaminants or other materials must be cleaned up as quickly as practicable. Such spillage must not be cleaned up by hosing, sweeping or otherwise releasing such wastes, contaminants or material to any stormwater drainage system, roadside gutter or waters.

**Bunding**

- (D15) All chemical tank storage must be banded so that the capacity of the bund is sufficient to contain at least 100 % of the largest storage tank plus 10 % of the second largest tank within the bund.
- (D16) All chemical drum storage must be banded so that the capacity of the bund is sufficient to contain at least 25 % of the maximum design storage volume within the bund.
- (D17) All bunding must be constructed of materials which are impervious to the materials stored.
- (D18) All bunding must be roofed where practicable.
- (D19) Where it is impractical to completely roof a banded area the holder of this environmental authority must ensure that any stormwater captured within the bund is free from contaminants or wastes prior to any release.
- (D20) A collection sump must be provided in the floor of the bunding to facilitate the removal of liquids. The bund floor must be graded so that the fall is towards the collection sump.
- (D21) All empty drums must be stored on a concrete hardstand area with their closures in place.

**Oil and Grease Conditions**

- (D22) Drains and bunds must be provided to ensure surface stormwater runoff is excluded from the washing area.
- (D23) Separator(s) must be effectively maintained at all times and must be inspected daily and cleaned if required or cleaned at a minimum of three (3) monthly intervals. Such inspections must be by an appropriately qualified person and a record kept of each inspection and/or cleaning. The records of all such inspection and/or cleaning must be kept in a log book for a period of two (2) years and be provided to any authorised person on request.

**Settlement Pond conditions**

- (D24) All ponds used for the storage or treatment of contaminants or wastes must be installed and maintained to prevent any discharge through the bed or banks of the pond from causing environmental harm or environmental nuisance in any waters (including groundwater).
- (D25) All ponds used for the storage or treatment of contaminants or wastes must be constructed and maintained to ensure the stability of the ponds construction.

Env Auth # SR197

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- 

- (D26) Where reasonable and practicable suitable banks and or diversion drains must be installed and maintained to exclude stormwater runoff from any ponds or other structures used for the storage or treatment of contaminants or wastes.
- (D27) Where reasonable and practicable clean uncontaminated stormwater must not be allowed to enter the sedimentation control system(s).
- (D28) All practicable measures must be taken to prevent short circuiting in the sedimentation pond system.

**Sediment and Erosion Control : General**

- (D29) Diversion drains, appropriate grades or equivalent must be installed to ensure surface waters from disturbed areas, including operational or trafficable areas, are diverted to the sediment control system.
- (D30) All runoff from the stockpiles and the areas utilised for the operation of the stockpiles must be directed to the sedimentation ponds.
- (D31) Drainage through and from all trafficable areas and production activities must be designed to minimise surface flow velocities.
- (D32) There must be no disturbance to, filling or obstruction of any part of a watercourse channel.

**End of Conditions for Schedule D**

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**SCHEDULE E- LAND APPLICATION****Release of Contaminants to Land**

- (E1) Except as otherwise provided by the conditions of the land schedule of this environmental authority, the environmentally relevant activity must be carried out by such practicable means necessary to prevent the release or likelihood of release of contaminants to land.
- (E2) Where it is not practicable to prevent any release of contaminants to land as required by condition E1, the environmentally relevant activity must be carried out by such practicable means necessary to minimise the release or likelihood of release of any such contaminants to land.

**End of Conditions for Schedule E**

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### SCHEDULE F - NOISE

#### Emission of Noise

- (F1) The environmentally relevant activity must be carried out by such practicable means necessary to prevent the emission or likelihood of emission of noise that constitutes environmental nuisance.
- (F2) Where it is not practicable to prevent any emission of noise as required by condition F1, the environmentally relevant activity must be carried out by such practicable means necessary to minimise any such emission of noise that constitutes annoyance.
- (F3) In the event of a complaint about noise that constitutes annoyance being made to the administering authority, that the administering authority considers is not frivolous or vexatious, then the noise limits specified in condition F4 must apply.
- (F4) The emission of noise from the licensed place must not result in levels greater than those specified in Schedule F, Table 1.

SCHEDULE F TABLE 2

<b>NOISE LIMITS AT A NOISE SENSITIVE PLACE</b>	
<i>Period</i>	<i>Noise Level at a Noise Sensitive Place Measured as the Adjusted Maximum Sound Pressure Level</i> $L_{Amax,adj,T}$
Monday to Saturday 7 am - 6 pm	Background noise level plus 5 dB(A)
Monday to Saturday 6 pm - 10 pm	Background noise level plus 5 dB(A)
Monday to Saturday 10 pm - 7 am	Background noise level plus 3 dB(A)
All other times and public holidays	Background noise level
<b>NOISE LIMITS AT A COMMERCIAL PLACE</b>	
<i>Period</i>	<i>Noise Level at a Commercial Place measured as the Adjusted Maximum Sound Pressure Level</i> $L_{Amax,adj,T}$
Monday to Saturday 7 am - 6 pm	Background noise level plus 10 dB(A)
Monday to Saturday 6 pm - 10 pm	Background noise level plus 10 dB(A)
Monday to Saturday 10 pm - 7 am	Background noise level plus 8 dB(A)
Public holidays	Background noise level plus 5 dB(A)

The value of background noise level to be used in conjunction with the noise limits in Table 2 above is to be obtained from Table 3 below using the following methodology.

- (i) If the measured background noise level is above the upper limit of the appropriate range, the upper limit of the appropriate range must be used.
- (ii) If the measured background noise level is below the lower limit of the appropriate range, the lower limit of the appropriate range must be used.

Env Auth # SR197

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- (iii) If the measured background noise level is within the appropriate range, then the measured value must be used.

**SCHEDULE F TABLE 3**

Range of Values of Background Noise to be Used in Conjunction with Noise Limits in Table 2

<i>Time Period</i>	<i>Range of Background Noise Levels dB(A)</i>
Monday to Saturday 7 am - 6 pm	40 - 50
Monday to Saturday 6 pm - 10 pm	35 - 45
Monday to Saturday 10 pm - 7 am	30 - 40
At all other times and public holidays	30 - 40

- (F5) Noise emanating from blasting operations must not exceed an over-pressure level of 115 dB (linear peak) for four (4) out of five (5) consecutive blasts when measured at any noise sensitive place or commercial place.
- (F6) Noise emanating from blasting operations must not exceed an over-pressure level of 120 dB (linear peak) at any time when measured at any noise sensitive place or commercial place.
- (F7) Ground vibration caused by blasting operations must not exceed a peak particle velocity of 5 mm/sec for more than 5% of the total number of blasts carried out over any 12 month period, when measured at any point within one metre of any residential boundary or in or on any other noise sensitive place.
- (F8) Ground vibration caused by blasting operations must not exceed a peak particle velocity of 10 mm/sec at any time, when measured at any point within one metre of any residential boundary or in or on any other noise sensitive place.
- (F9) Blasting is not permitted outside the hours of 9 am to 5 pm, Monday to Saturday.

End of Conditions for Schedule F



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**SCHEDULE G - WASTE MANAGEMENT**

- (G1) Waste must not be released to the environment, stored, transferred or disposed contrary to any condition of this environmental authority.
- (G2) The holder of this environmental authority must not:
- (i) burn waste at or on the licensed place; nor
  - (ii) allow waste to burn or be burnt at or on the licensed place; nor
  - (iii) remove waste from the licensed place and burn such waste elsewhere.
- (G3) Records of trade waste agreements must be made available for inspection on request.

**Waste Management Plan (WMP)**

- (G4) By 1 December 1997 the holder of this environmental authority must prepare and submit a Waste Management Plan which is acceptable to the administering authority.
- (G5) The Waste Management Plan must address at least the following:
- the quantity and nature of each waste produced, and
  - the current method of disposal, and
  - proposed methods of pre-treatment or disposal, and
  - expected reduction in quantity of waste produced through waste minimisation and cleaner production, and
  - provisions for carrying out and submitting to the administering authority a waste audit within 2 years from the date of issue of this environmental authority and thereafter every 5 years.
- (G6) The Waste Management Plan must be implemented by the holder of this environmental authority following its approval in writing.
- (G7) The holder of this environmental authority must submit details of any amendment to the approved Waste Management Plan to the administering authority with the Annual Return which immediately follows the enactment of any such amendment.

**Off Site Movement**

- (G8) Where regulated waste is removed from the licensed place (other than by a release as permitted under another schedule of this environmental authority), the holder of this environmental authority must monitor and record the following:
- (a) the date, quantity and type of waste removed; and
  - (b) name of the waste transporter and/or disposal operator that removed the waste; and
  - (c) the intended treatment/disposal destination of the waste.

(NOTE: Records of documents maintained in compliance with a waste tracking system established under the *Environmental Protection Act 1994* or any other law for regulated waste will be deemed to satisfy this condition).

*Env Auth # SR197**ACN 009 679 734**Pioneer Construction Materials Pty Ltd**Environmentally Relevant Activities:**19(c) - Extraction of rock or other material**21(c) - Screening etc. materials**11(a) - Petroleum product storage**60 - Concrete batching*

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- (G9) Regulated waste must not be sent for disposal at any facility without the written approval of the person operating that facility.
- (G10) Where waste is disposed of on the premises (other than as permitted by another schedule of this environmental authority), the holder of this environmental authority must monitor and record:
- (a) the date, quantity and type of waste disposed; and
  - (b) the location of disposal of the waste; and
  - (c) the method of disposal of the waste.
- (G11) Records must be maintained for a period of 5 years for all wastes mentioned in this schedule

**End of Conditions for Schedule G**

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**SCHEDULE H - SELF MONITORING AND REPORTING****Complaint Recording**

- (H1) All complaints received by the holder of this environmental authority relating to operations at the licensed place must be recorded in a log book with the following details:
- (i) time and date of complaint;
  - (ii) type of communication (telephone, letter, personal etc.);
  - (iii) name, contact address and contact telephone number of complainant (Note: if the complainant does not wish to be identified then "Not identified" is to be recorded);
  - (iv) response and investigation undertaken as a result of the complaint;
  - (v) name of person responsible for investigating complaint; and
  - (vi) action taken as a result of the complaint investigation and signature of responsible person.
- (H2) The complaints record required by condition number H1 must be maintained for a period of not less than 2 years.
- (H3) A record must be maintained of events including but not limited to:
- (i) the time, date and duration of pollution control equipment malfunctions where the failure of such equipment may result in environmental contamination;
  - (ii) any shut-downs of the sprinklers;
  - (iii) the hours of operation of the plant;

**Notification of Emergencies and Incidents**

- (H4) As soon as practicable after becoming aware of any emergency or incident which results in the release of contaminants not in accordance, or reasonably expected to be not in accordance with the conditions of this environmental authority, the holder of this environmental authority must notify the administering authority of the release by telephone or facsimile.
- (H5) The notification of emergencies or incidents as required by condition number H4 must include but not be limited to the following:
- (i) The holder of the environmental authority;
  - (ii) the location of the emergency or incident;
  - (iii) the number of the environmental authority;
  - (iv) the name and telephone number of the designated contact person;
  - (v) the time of the release;
  - (vi) the time the holder of the environmental authority became aware of the release;
  - (vii) the suspected cause of the release;
  - (viii) the environmental harm caused, threatened, or suspected to be caused by the release; and
  - (ix) actions taken to prevent further any release and mitigate any environmental harm caused by the release.

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- (H6) As soon as practicable, but not more than six weeks following the conduct of any environmental monitoring performed in relation to the emergency or incident which results in the release of contaminants not in accordance, or reasonably expected to be not in accordance with the conditions of this environmental authority, the holder of the environmental authority must provide written advice of the results of any such environmental monitoring performed.
- (H7) Not more than 14 days following the initial notification of an emergency or incident, the holder of the environmental authority must provide written advice of the information supplied in accordance with condition number H5 in addition to:
- (i) proposed actions to prevent a recurrence of the emergency or incident;
  - (ii) outcomes of actions taken at the time to prevent or minimise locations listed below: environmental harm and or environmental nuisance, and
- (H8) For the purposes of investigating any complaint made about excessive noise and also for checking compliance with condition F2 of the noise schedule, monitoring and recording the noise levels from the environmentally relevant activity/activities must be undertaken for at least the following descriptors, characteristics and conditions:
- (i)  $L_{Amax, Ad, T}$
  - (ii)  $L_{Aeq, T}$  (or  $L_{A90, T}$ );
  - (iii)  $L_{AN, T}$  (where N equals statistical levels of 1, 10, 50, 90 and 99);
  - (iv) Max  $L_{pA, T}$ ;
  - (v)  $L_{Aeq, T}$ ;
  - (vi) The level and frequency of occurrence of impulsive or tonal noise;
  - (vii) over-pressure level dB (linear peak);
  - (viii) Atmospheric conditions including temperature, relative humidity and wind speed and direction; and
  - (ix) Effects due to extraneous factors such as traffic noise.
- (H9) The method of measurement and reporting of noise levels must comply with the Department of Environment and Heritage Noise Measurement Manual, second edition, March 1995, or more recent additions or supplements to that document as become available.
- (H10) Records must be kept of the results of all monitoring of noise levels and other information required to be recorded in conjunction with such monitoring for a period of at least 5 years.
- (H11) For the purposes of investigating any complaint made about excessive vibration monitoring and recording of the vibration from blasting must be measured and assessed in accordance with AS2670 and ISO4866.
- (H12) The holder of this environmental authority must ensure that the results of all monitoring performed in accordance with this environmental authority are submitted with the initial Annual Return. Each subsequent Annual Return must include details of the results of monitoring performed during the 12 months preceding that Annual Return.

Env Auth # SR197

ACN 009 679 734

Pioneer Construction Materials Pty Ltd

**Environmentally Relevant Activities:**

- 19(c) - Extraction of rock or other material
- 21(c) - Screening etc. materials
- 11(a) - Petroleum product storage
- 30 - Concrete batching

**Monitoring of Contaminants in the Settlement Ponds**

(H13) The holder of this environmental authority is responsible for the making of determinations of the quality of the waters at the following sampling points as shown in Schedule J - Site Plan 1:

- S1 Seymour Dam
- S2 Jeremy Smith Dam
- S3 Albert Creek, at the discharge from the site.

(H14) The holder of this environmental authority is responsible for the making of determinations of the water quality characteristics of waters contained within Seymour Dam, Jeremy Smith Dam and Albert Creek at the frequency specified in Schedule H, Table 1.

**Schedule H Table 1  
Required Sample Point Determinations**

SAMPLE POINT NUMBERS	DETERMINATION REQUIRED	FREQUENCY
S1, S2, S3	Suspended Solids (mg/L)	Quarterly
S1, S2, S3	Turbidity (NTU)	Quarterly
S1, S2, S3	pH	Quarterly
S1, S2, S3	Visible oil and grease	Quarterly
S1, S2, S3	Dissolved Oxygen (mg/L)	Quarterly

**Exception Reporting**

(H15) The holder of this environmental authority must notify the administering authority in writing of any monitoring result which indicates an exceedance of any licence limit within 28 days of completion of analysis.

(H16) The written notification required by condition number H15 above must include:

- (i) The full analysis results, and
- (ii) Details of investigation or corrective actions taken, and
- (iii) Any subsequent analysis.

**End of Conditions for Schedule H**

Env Auth # SR197

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11(a) - Petroleum product storage

60 - Concrete batching

**SCHEDULE I - DEFINITIONS**

- (11) For the purposes of this environmental authority any term not otherwise defined in the Act and any subordinate legislation made pursuant to the Act or in the Definitions Schedule of this environmental authority has the meaning conferred to that term in its common usage.
- (12) In the event of any inconsistency arising between the meaning of any term provided in the Definitions Schedule of this environmental authority and any common usage of that term, the meaning conferred in the Definitions Schedule of this environmental authority prevails.
- (13) "Act" means the Environmental Protection Act 1994.
- (14) "administering authority" means the Environmental Protection Agency or its successor.
- (15) "AS2670" means Australian Standard AS2670.1 - 1990 Evaluation of human exposure to whole-body vibration: Part 1: General requirements and AS2670.2-1990 part 2: Continuous and shock induced vibration in buildings.
- (16) "blasting" means the use of explosive materials to fracture-  
 (a) rock, coal and other minerals for later recovery; or  
 (b) structural components or other items to facilitate removal from a site or reuse.
- (17) "contaminant" for the purpose of this licence excludes water used for dust suppression at the licensed place.
- (18) "ISO4866" means International Organisation for Standardisation Standard ISO4866-1990 parts 1 and 2, Mechanical vibration and shock: Vibration of buildings- Guidelines for the measurement of vibrations and evaluation of their effect on buildings.
- (19) "land" means land excluding waters and the atmosphere.
- (10) "mg/L" means milligrams per litre.
- (11) " $L_{Amax,adj,T}$ " means the average maximum A-weighted sound pressure level, adjusted for noise character and measured over a time period of not less than 15 minutes, using Fast response.
- (12) "background noise level" means either:  
 $L_{A90,T}$  being the A-weighted sound pressure level exceeded for 90 percent of the time period not less than 15 minutes, using Fast response, or  
 $L_{Aeq,T}$  being the arithmetic average of the minimum readings measured in the absence of the noise under investigation during a representative time period of not less than 15 minutes, using Fast response.
- (13) "Max $L_{PA,T}$ " means the absolute maximum instantaneous A-weighted sound pressure level measured over a time period of not less than 15 minutes, using Fast response.

*Env Auth # SR197*

ACN 009 679 734

*Pioneer Construction Materials Pty Ltd**Environmentally Relevant Activities:*

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(114) "noise sensitive place" means -

- (a) a dwelling, mobile home or caravan park, residential marina or other residential premises; or
- (b) a motel, hotel or hostel; or
- (c) a kindergarten, school, university or other educational institution; or
- (d) a medical centre or hospital; or
- (e) a protected area; or
- (f) a park or gardens.

(115) "commercial place" means a place used as an office or for business or commercial purposes.

**End of Conditions for Schedule I**