

# **PF Formation**

## **HITCHCOCK ROAD MAROOTA**

### **Sand Extraction and Rehabilitation Project**

# **ANNUAL ENVIRONMENTAL MANAGEMENT REPORT 2021-2022**

## **ATTACHMENTS**

- 1.** Project approval
- 2.** Notice of Modification
- 3.** EPA Licence Annual Return
- 4.** Variation to Licence No. 3407
- 5.** Monthly Environmental Operational Procedures Checklist
- 6.** Location Weather Chart
- 7.** Site Current Photos
- 8.** Current Site Plan
- 9.** Weighbridge Verification Certificate
- 10.** CCC Meeting Minutes
- 11.** VENM/ENM import summary
- 12.** Noise Management Report
- 13.** Air Quality Report
- 14.** Ground Water Report
- 15.** Rehabilitation Report

**ATTACHMENT 1**

**PROJECT APPROVAL**

# Project Approval

## Section 75J of the *Environmental Planning and Assessment Act 1979*

I approve the project referred to in Schedule 1, subject to the conditions set out in Schedules 2 to 5.

These conditions are required to:

- prevent, minimise, and/or offset adverse environmental impacts;
- set standards and performance measures for acceptable environmental performance;
- require regular monitoring and reporting; and
- provide for on-going environmental management of the project.



Hon Kristina Keneally MP  
Minister for Planning

Sydney

3 February 2009

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### SCHEDULE 1

|                             |                             |
|-----------------------------|-----------------------------|
| <b>Project Application:</b> | 06_0104                     |
| <b>Proponent:</b>           | PF Formation                |
| <b>Approval Authority:</b>  | Minister for Planning       |
| <b>Land:</b>                | See Appendix 1              |
| <b>Project:</b>             | Hitchcock Road Sand Project |

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## DEFINITIONS

|         |   |
|---------|---|
| AEMR    | Annual Environmental Management Report                      |
| Council | The Hills Shire Council                                     |
| Day     | The period from 7.00am to 6.00pm on Monday to Saturday, and |

8.00am to 6.00pm on Sundays and Public Holidays

DECC Department of Environment and Climate Change

Department Department of Planning

Director-General Director-General of the Department of Planning, or delegate

DPI Department of Primary Industries

DWE Department of Water and Energy

EA Environmental Assessment for the project titled *Hitchcock Road Sand Extraction and Rehabilitation Project Environmental Assessment and*

*Appendices* (3 volumes), dated November 2007, prepared by DFA

Consultants, including the response to submissions and preferred project report

EP&A Act *Environmental Planning and Assessment Act 1979*

EP&A Regulation *Environmental Planning and Assessment Regulation 2000*

EPL Environment Protection Licence issued under the *Protection of the Environment Operations Act 1997*

Evening The period from 6.00pm to 10.00pm

Extraction Area The land described as the extraction area in Appendix 1

Land Land means the whole of a lot, or contiguous lots owned by the same landowner, in a current plan registered at the Land Titles Office at the date of this approval

Minister Minister for Planning, or delegate

Night The period from 10.00pm to 7.00am on Monday to Saturday, and 10.00pm to 8.00am on Sundays and Public Holidays

Privately owned land Land not owned by a public agency or the Proponent or its related companies

Preferred Project Report The Proponent's Preferred Project Report dated September 2008, prepared by DFA Consultants, as modified in the Proponent's email to the Department of 18 November 2008

Project The development as described in the EA

Proponent PF Formation, or its successors in title

Response to Submissions The Proponent's response to issues raised in submissions, dated March 2008, prepared by DFA Consultants, and subsequent submissions to the Department dated 27 August 2008

|                          |  |
|--------------------------|--|
| RTA                      | Roads and Traffic Authority  |
| SHTW                     | Sydney Hinterland Transition Woodland  |
| Site                     | Land to which the project application applies  |
| Statement of Commitments | The Proponent's commitments in Appendix 3  |
| Strategy A, Strategy B   | The alternative rehabilitation proposals described in the preferred project report   |
| Vegetation Offset        | The conservation and enhancement program described in the preferred project report, to occur on the land shown on the plan in Appendix 5 |
| VENM                     | Virgin Excavated Natural Material, as defined in the <i>Protection of the Environment Operations Act 1997</i>                            |

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## SCHEDULE 2 ADMINISTRATIVE

### Obligation to Minimise Harm to the Environment

1. The Proponent shall implement all reasonable and feasible measures to prevent and/or minimise any harm to the environment that may result from the construction, operation, or rehabilitation of the project.

### Terms of Approval

2. The Proponent shall carry out the project generally in accordance with the:
  - (a) EA;
  - (b) preferred project report; (c) statement of commitments; and (d) conditions of this approval.

*Notes:*

- *The layout of the project is shown in the figure in Appendix 2; and*
- *The statement of commitments is included in Appendix 3.*

3. If there is any inconsistency between the above:
  - (a) the preferred project report shall prevail over the EA; (b) the conditions of this approval shall prevail generally, to the extent of the inconsistency.
4. The Proponent shall comply with any reasonable requirement/s of the Director-General arising from the Department's assessment of:
  - (a) any reports, plans, programs or correspondence that are submitted in accordance with the conditions of this approval; and
  - (b) the implementation of any actions or measures contained in these reports, plans, programs or correspondence.

## Existing Sand Mining Consent

5. Subject to an agreement in accordance with condition 7 below, the Proponent may accept material extracted from Lot 2 DP 555184 and Lot 1 DP 34599 in accordance with the development consent issued by the Land and Environment Court on 14 July 1998 to be transported across the site and to the slurry plant on Lot 1 DP 570966 via the slurry pipeline and processed on Lot 198 DP 752025.

## Limits on Approval

6. Extraction and processing operations may take place until 30 November 2028.

*Note: Under this approval, the Proponent is required to rehabilitate the site and provide offsets to the satisfaction of the Director-General. Consequently this approval will continue to apply in all other respects other than the right to conduct extraction and processing operations until the site has been rehabilitated and the offset provided to a satisfactory standard.*

7. The quantity of processed material produced at the site, together with material produced on Lot 2 DP 555184 and Lot 1 DP 34599 in accordance with the development consent issued by the Land and Environment Court on 14 July 1998, shall not exceed 400,000 tonnes a year.

Prior to the commencement of any processing of extractive material (under the above consent) from activities on Lot 2 DP 555184 or Lot 1 DP 34599, the Proponent shall demonstrate, to the satisfaction of the Director-General, that it has reached an agreement with the owners of those Lots regarding the proportion of the extraction limit as it applies to each Lot.

8. The Proponent shall restrict total laden truck movements associated with the project to:
  - (a) 200 per day, for the Proponent's combined operations at Maroota;
  - (b) 20 per day, for trucks importing VENM to the site; and
  - (c) 10 per day, for trucks entering/exiting the site between 6.00am and 7.00am.

*Note: For the avoidance of doubt, 200 is the maximum laden truck movement volume allowed on any one day, including the VENM and early morning truck movements.*

9. The Proponent shall not undertake any extraction within 2 metres of the established wet weather groundwater level.

*Note: The wet weather groundwater level shall be established in accordance with condition 3 of Schedule 3.*

10. The Proponent shall not disturb any SHTW vegetation (as shown on the plan in Appendix 5) on site without the prior written approval of the Director-General. In seeking this approval the Proponent shall demonstrate, to the satisfaction of the Director-General, that it has established at least 3.7 hectares of SHTW on the site, to a standard that meets the criteria in Appendix 6.

*Note: This demonstration must include an assessment by a suitably qualified and independent ecologist.*

## Management Plans / Monitoring Programs

11. With the approval of the Director-General, the Proponent may submit any management plan or monitoring program required by this approval on a progressive basis.



### **Demolition**

12. The Proponent shall ensure that all demolition work is carried out in accordance with *AS 2601-2001: The Demolition of Structures*, or its latest version.

### **Protection of Public Infrastructure**

13. The Proponent shall:

- (a) repair, or pay all reasonable costs associated with repairing, any public infrastructure that is damaged by the project; and
- (b) relocate, or pay all reasonable costs associated with relocating, any public infrastructure that needs to be relocated as a result of the project.

### **Operation of Plant and Equipment**

14. The Proponent shall ensure that all plant and equipment used at the site is:

- (a) maintained in a proper and efficient condition; and
- (b) operated in a proper and efficient condition.

### **Crown Land**

15. The Proponent shall not commence any development authorised by this approval on Crown land without the prior approval of the Department of Lands.

### **Section 94 Contributions**

16. The Proponent shall pay a monthly contribution to the Council for the upgrade and maintenance of roads in accordance with Baulkham Hills Shire Council's section 94 plan in force at the date of this approval.

## **SCHEDULE 3 ENVIRONMENTAL PERFORMANCE**

### **GENERAL EXTRACTION AND PROCESSING PROVISIONS**

#### **Identification of Boundaries**

1. Within 3 months of the date of this approval, or as otherwise agreed by the Director-General, the Proponent shall:

- (a) engage an independent registered surveyor to survey the boundaries of the approved limit of extraction and the approved ancillary work areas;
- (b) submit a survey plan of these boundaries to the Director-General; and
- (c) ensure that these boundaries are clearly marked at all times in a permanent manner that allows operating staff and inspecting officers to clearly identify those limits.

Note: The limit of extraction and ancillary areas is shown conceptually on the layout plans in Appendix 2, as amended/clarified by the conditions below.

### General Limits of Extraction

2. Notwithstanding the layout plans in Appendix 2, the Proponent shall not undertake extraction within:

- (a) 30 metres of Hitchcock Road; and
- (b) 10 metres of the property boundary of Lot 2 DP 555184, unless sand extraction has commenced on that lot, and extraction in this buffer has been agreed by the Director-General.

### Maximum Extraction Depth Map

3. The Proponent shall:
- (a) establish the wet weather groundwater level for the site based on all available (and at least 12 months) site specific groundwater monitoring data;
  - (b) engage a suitably qualified and experienced expert to establish the maximum extraction depths to which extraction can be undertaken on site, to comply with condition 9 of Schedule 2;
  - (c) submit a Maximum Extraction Depth Map (contour map or similar) for the project to the Director-General within 3 months of the date of this approval; and (d) comply with the extraction depths specified in the map, to the satisfaction of the Director-General.
4. Within 3 months of the completion of the Independent Environmental Audit (see condition 6 of Schedule 5), the Proponent shall review and update the Maximum Extraction Depth Map for the project to the satisfaction of the Director-General.

## NOISE

### Operational Noise Assessment Criteria

5. The Proponent shall ensure that the noise generated by the project does not exceed the noise impact assessment criteria in Table 1 at any residence or on more than 25 per cent of any privately-owned land.

| Noise Assessment Location  | Day                                     | Night                        |                            |
|----------------------------|---|------------------------------|----------------------------|
|                            | L <sub>Aeq</sub> (15 minute)            | L <sub>Aeq</sub> (15 minute) | L <sub>A1</sub> (1 minute) |
| R1 - Hammond               | 41                                      | 35                           | 45                         |
| R2 – Hitchcock             | 40                                      | 35                           | 45                         |
| R5 – Pignataro             | 42                                      | 35                           | 45                         |
| R6 – Camilleri             | 40                                      | 35                           | 45                         |
| R7 – Maroota Public School | 36 <sub>(L<sub>Aeq</sub>(1 Hour))</sub> | N/A                          | N/A                        |
| R8 – Portelli              | 39                                      | 35                           | 45                         |
| R9 – Young                 | 39                                      | 35                           | 45                         |
| R10 - Tornatola            | 39                                      | 35                           | 45                         |

Table 1: Noise Impact Assessment Criteria

Notes:

- To determine compliance with the  $L_{Aeq(15 \text{ minute})}$  noise limits, noise from the project is to be measured at the most affected point within the residential boundary, or at the most affected point within 30 metres of the dwelling where the dwelling is more than 30 metres from the boundary. Where it can be demonstrated that direct measurement of noise from the project is impractical, alternative means of determining compliance may be accepted (see Chapter 11 of the NSW Industrial Noise Policy). The modification factors in Section 4 of the NSW Industrial Noise Policy shall also be applied to the measured noise level where applicable.
- To determine compliance with the  $L_{A1(1 \text{ minute})}$  limit, noise from the project is to be measured at 1 metre from the dwelling façade.
- The noise limits apply under meteorological conditions of:
  - wind speed up to 3m/s at 10m above ground level;
  - temperature inversion conditions of up to 3 degrees C/100m and wind speed up to 2m/s at 10m above the ground;
 where the wind velocity and temperature gradients are determined to be relevant to the project site in accordance with the NSW Industrial Noise Policy.
- The Director-General may relax the noise limits in Table 1 for any property where the Proponent has an agreement with the relevant owner/s to generate higher noise levels, and the Proponent has advised the Department in writing of the terms of this agreement.
- For more information on the noise assessment locations see Appendix 4.

**Cumulative Noise Criteria**

6. The Proponent shall take all reasonable and feasible measures to ensure that the noise generated by the project combined with the noise generated by other extractive industries does not exceed the following amenity criteria on any privately owned land, to the satisfaction of the Director-General:

- $L_{Aeq(11 \text{ hour})}$  50 dB(A) – Day;
- $L_{Aeq(4 \text{ hour})}$  45 dB(A) – Evening; and
- $L_{Aeq(9 \text{ hour})}$  40 dB(A) – Night.

**Operating Hours**

7. The Proponent shall comply with the operating hours in Table 2.

| Activity | Day                        | Time             |
|----------|----------------------------|------------------|
|          | Monday - Friday            | 7.00am to 6.00pm |
|          | Saturday                   | 8.00am to 1.00pm |
|          | Sunday and Public Holidays | None             |
|          | Monday – Saturday          | 7.00am to 6.00pm |
|          | Sunday and Public Holidays | None             |
|          | Monday – Saturday          | 6.00am to 6.00pm |
|          | Sunday and Public Holidays | None             |
|          | Monday – Saturday          | 7.00am to 6.00pm |
|          | Sunday and Public Holidays | None             |

Table 2: Operating Hours

Notes:

- Product transportation prior to 7.00am is restricted as per condition 8 of Schedule 2.
- Maintenance activities may be conducted outside the hours in Table 2 provided that the activities are not audible at any residence beyond the boundary of the site.

- *This condition does not apply to delivery of material 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, notification is to be provided to DECC and the affected residents as soon as possible, or within a reasonable period in the case of emergency.*

## Noise Management Plan

8. The Proponent shall prepare and implement a Noise Management Plan for the project to the satisfaction of the Director-General. This plan shall:
- be submitted to the Director-General within 3 months of the date of this approval;
  - be prepared in consultation with DECC;
  - include details of how the noise performance of the project would be monitored, and include a noise monitoring protocol for evaluating compliance with the relevant noise limits in this approval; and
  - include an investigation and assessment (including modelling) of additional reasonable and feasible noise mitigation measures that would be implemented to ensure that noise emissions at all stages of the project comply with the noise impact assessment criteria in Table 1.

*Note: The EA predicted that receiver locations R5, R6, R9 and R10 would exceed the applicable noise criteria by between 2 and 5 decibels, during worst case operations.*

9. If the additional noise mitigation measures identified in condition 8(d) are not able to reduce noise levels to within 2 decibels of the impact assessment criteria in Table 1 then, upon receiving a written request from the applicable landowner, the Proponent shall implement additional noise mitigation measures such as double glazing, insulation, and/or air conditioning at any residence on the land in consultation with the landowner.

These additional mitigation measures must be reasonable and feasible.

If within 3 months of receiving this request from the landowner, the Proponent and the landowner cannot agree on the measures to be implemented, or there is a dispute about the implementation of these measures, then either party may refer the matter to the Director-General for resolution.

## AIR QUALITY

### Impact Assessment Criteria

10. The Proponent shall ensure that dust generated by the project does not cause exceedances of the criteria listed in Tables 3, 4 and 5 at any residence or on more than 25 per cent of any privately owned land.

| Pollutant                                      | Averaging period | Criterion            |
|--|------------------|----------------------|
| Total suspended particulate (TSP) matter       | Annual           | 90 µg/m <sup>3</sup> |
| Particulate matter < 10 µm (PM <sub>10</sub> ) | Annual           | 30 µg/m <sup>3</sup> |

*Table 3: Long Term Impact Assessment Criteria for Particulate Matter*

| <b>Pollutant</b>                               | <b>Averaging period</b> | <b>Criterion</b>     |
|--|-------------------------|----------------------|
| Particulate matter < 10 µm (PM <sub>10</sub> ) | 24 hour                 | 50 µg/m <sup>3</sup> |

Table 4: Short Term Impact Assessment Criteria for Particulate Matter

| <b>Pollutant</b> | <b>Averaging period</b> | <b>Maximum increase in deposited dust level</b> | <b>Maximum total deposited dust level</b> |
|------------------|-------------------------|---|---|
| Deposited dust   | Annual                  | 2 g/m <sup>2</sup> /month                       | 4 g/m <sup>2</sup> /month                 |

Table 5: Long Term Impact Assessment Criteria for Deposited Dust

Note: Deposited dust is assessed as insoluble solids as defined by Standards Australia, 1991, AS 3580.10.11991: Methods for Sampling and Analysis of Ambient Air - Determination of Particulates - Deposited Matter - Gravimetric Method.

### Operating Conditions

11. The Proponent shall ensure any visible air pollution generated by the project is assessed regularly, and that quarrying operations are relocated, modified, and/or stopped as required to minimise air quality impacts on privately owned land.

### Air Quality Monitoring

12. The Proponent shall prepare and implement an Air Quality Monitoring Program for the project to the satisfaction of the Director-General. This program shall:
- (a) be submitted to the Director-General for approval within 3 months of the date of this approval; (b) be prepared in consultation with DECC;
  - (c) include details of how the air quality performance of the project would be monitored, providing for additional dust deposition monitoring in the vicinity of clusters of residences to the north and west of the site; and
  - (d) include a protocol for evaluating compliance with the relevant air quality criteria in this approval.

### METEOROLOGICAL MONITORING

13. The Proponent shall ensure the project has a suitable meteorological station on the site or in the immediate vicinity that complies with the requirements in the *Approved Methods for Sampling of Air Pollutants in New South Wales* publication.

## WATER

### Water Supply

14. The Proponent shall ensure that it has sufficient water for all stages of the project, and if necessary, adjust the scale of operations to match its water supply.

*Note: The Proponent is required to obtain necessary water licences for the project under the Water Act 1912 and/or Water Management Act 2000.*

### **Discharges**

15. The Proponent shall not discharge any water from the quarry or its associated operations except in accordance with an EPL.

### **Water Management and Monitoring**

16. The Proponent shall prepare and implement a Water Management Plan for the project to the satisfaction of the Director-General. This plan shall:
- (a) be submitted to the Director-General within 3 months of the date of this approval;
  - (b) be prepared in consultation with DWE and DECC; and (c) include a:
    - Site Water Balance;
    - Erosion and Sediment Control Plan;
    - Surface Water Monitoring Program; and
    - Groundwater Monitoring Program.
17. The Site Water Balance shall:
- (a) include details of:
    - sources and security of water supply;
    - water use on site;
    - water management on site, including the location and capacity of water storages on site and the means of access;
    - off-site water transfers; and
    - reporting procedures; and
  - (b) investigate and describe measures to minimise water use by the project.
18. The Erosion and Sediment Control Plan shall:
- (a) be consistent with the requirements of *Managing Urban Stormwater: Soils and Construction, Volume 1, 4<sup>th</sup> Edition, 2004* (Landcom);
  - (b) identify activities that could cause soil erosion and generate sediment;
  - (c) describe measures to minimise soil erosion and the potential for the transport of sediment to downstream waters;
  - (d) describe the location, function, and capacity of erosion and sediment control structures;
  - (e) demonstrate that the design capacity of basins intended to collect storm runoff will not be compromised by storage of operational water; and
  - (f) describe what measures would be implemented to maintain (and if necessary decommission) the structures over time.
19. The Surface Water Monitoring Program shall include:
- (a) detailed baseline data on surface water flows and quality in downstream watercourses that could be affected by the project;
  - (b) surface water quality and stream health assessment criteria, including trigger levels for investigating any potentially adverse surface water impacts; and (c) a program to monitor:

- surface water flows, quality, and impacts on water users; • stream health; and
  - channel stability.
20. The Groundwater Monitoring Program shall include:
- (a) provision of additional monitoring bores around the periphery of the site;
  - (b) detailed baseline data on groundwater levels, flows and quality in the region, and particularly any groundwater bores, springs and seeps (including spring and seep fed dams) that may be affected by operations on site;
  - (c) groundwater assessment criteria, including trigger levels for investigating any potentially adverse groundwater impacts; (d) a program to monitor:
    - groundwater levels and quality in new and existing monitoring bores;
    - the impacts of the project on:
      - any groundwater bores, springs and seeps (including spring and seep fed farm dams) on privately-owned land; and
      - any groundwater dependent ecosystems; and
  - (e) a protocol for further groundwater modelling to confirm the limits to excavation depth across the site permitted in accordance with condition 9 of Schedule 2.

## LANDSCAPE MANAGEMENT

### Rehabilitation

21. The Proponent shall progressively rehabilitate the site to the satisfaction of the Director-General, in a manner that is generally consistent with the concept final landform (Strategy A or Strategy B) in the preferred project report (as reproduced in Appendix 7).

### Offset Strategy

22. The Proponent shall implement the Offset Strategy described in the preferred project report, and summarised in Table 6 (shown conceptually on the plan in Appendix 5), to the satisfaction of the Director-General.

| Area                                       | Minimum Size (hectares) |
|--|-------------------------|
| On-Site Revegetation Area (SHTW)           | 7.9                     |
| On-Site Revegetation Area (Other Woodland) | 4.1                     |
| <b>Total</b>                               | <b>12</b>               |

Table 6: Offset Strategy

23. Within 3 years of the date of this approval, the Proponent shall make suitable arrangements to provide appropriate long term security for the offset areas to the satisfaction of the Director-General.

*Note: The Department acknowledges that the arrangements may provide for staged or delayed implementation, in accordance with the extraction in these areas.*

### Landscape Management Plan

24. The Proponent shall prepare and implement a Landscape Management Plan for the project to the satisfaction of the Director-General. This plan must:

- (a) be prepared in consultation with DECC by suitably qualified expert/s whose appointment/s have been approved by the Director-General;
- (b) be submitted to the Director-General for approval within 6 months of the date of this approval; and
- (c) include a:
  - Rehabilitation and Offset Management Plan; and
  - Quarry Closure Plan.

#### **Rehabilitation and Offset Management Plan**

25. The Rehabilitation and Offset Management Plan must include:

- (a) the rehabilitation objectives for the site, vegetation offsets and landscaping;
- (b) a description of the short, medium, and long term measures that would be implemented to:
  - rehabilitate the site;
  - implement the Offset Strategy; and
  - maintain and enhance existing site vegetation outside the disturbance area;
- (c) detailed performance and completion criteria for the site rehabilitation and implementation of the Offset Strategy;
- (d) a detailed description of the measures that would be implemented over the next 3 years, including the procedures to be implemented for:
  - progressively rehabilitating disturbed areas;
  - implementing vegetation offsets;
  - protecting vegetation and soil outside the disturbance areas;
  - rehabilitating creeks and drainage lines on the site to ensure no net loss of stream length and aquatic habitat;
  - undertaking pre-clearance surveys;
  - managing impacts on fauna;
  - landscaping the site to minimise visual impacts;
  - conserving and reusing topsoil;
  - collecting and propagating seed for rehabilitation works;
  - salvaging and reusing material from the site for habitat enhancement;
  - controlling weeds and feral pests;
  - controlling access; and
  - bushfire management;
- (e) a program to monitor the effectiveness of these measures, and progress against the performance and completion criteria;
- (f) a description of the potential risks to successful rehabilitation and/or revegetation, and a description of the contingency measures that would be implemented to mitigate these risks; and (g) details of who would be responsible for monitoring, reviewing, and implementing the plan.

#### **Quarry Closure Plan**

26. The Quarry Closure Plan must:

- (a) include provision for certification from a qualified geotechnical engineer that the final proposed landform is stable;
- (b) define the objectives and criteria for closure of the quarry;
- (c) investigate options for the future use of the site, including any final void;



- (d) describe the measures that would be implemented to minimise or manage the ongoing (post closure) environmental effects of the project; and
- (e) describe how the performance of these measures would be monitored over time.

### **Rehabilitation and Offset Bond**

27. Within 3 months of the approval of the Landscape Management Plan, the Proponent shall lodge a rehabilitation and offset bond for the project with the Director-General. The sum of the bond shall be calculated at:

- (a) \$2.50/m<sup>2</sup> for the area of disturbance in each 3 year review period, including the offset areas; and
- (b) \$1.00/m<sup>2</sup> for the total area of land previously disturbed by the quarry, or as otherwise directed by the Director-General.

*Notes:*

- *If the rehabilitation and offsets are completed to the satisfaction of the Director-General, the DirectorGeneral will release the bond.*
- *If the rehabilitation and/or offsets are not completed to the satisfaction of the Director-General, the DirectorGeneral will call in all or part of the bond, and arrange for the satisfactory completion of the relevant works.*

### **ABORIGINAL HERITAGE**

28. Should the Proponent discover material suspected of being Aboriginal relics or skeletal remains, work in that area shall cease and the Proponent shall advise DECC and proceed in accordance with DECC instructions.

### **TRAFFIC AND TRANSPORT**

#### **Materials Transport**

29. The Proponent shall transport all excavated material between the extraction site and processing plant site, including processing residues, via slurry pipelines.

*Note: When the slurry system is unusable by reason of breakdown or essential maintenance, extractive material may be transported by truck during the period of such breakdown or maintenance. The Proponent shall ensure that such periods are as brief as possible and shall advise the Council each day that truck transport is to be used.*

#### **Haulage Records**

30. The Proponent shall record and maintain a log of the extraction quantities and traffic movement in and out of the site, available for inspection at the request of the Director-General or the Council.

#### **Road Haulage**

31. The Proponent shall ensure that:

- (a) all loaded vehicles entering or leaving the site are covered; and
- (b) all loaded vehicles leaving the site are cleaned of materials that may fall on the road, before they leave the site.

## **VISUAL**

### **Visual Amenity**

32. The Proponent shall minimise the visual impacts of the project to the satisfaction of the DirectorGeneral.

### **Lighting Emissions**

33. The Proponent shall:

- (a) take all practicable measures to mitigate off-site lighting impacts from the project; and
- (b) ensure that all external lighting associated with the project complies with *Australian Standard AS4282 (INT) 1995 – Control of Obtrusive Effects of Outdoor Lighting*, to the satisfaction of the Director-General.

### **Advertising**

34. The Proponent shall not erect or display any advertising structure(s) or signs on the site without the written approval of the Director-General.

*Note: This does not include traffic management and safety or environmental signs.*

## **WASTE MANAGEMENT**

### **Waste Minimisation**

35. The Proponent shall:

- (a) only import VENM to the site; and
- (b) minimise the amount of waste generated by the project to the satisfaction of the DirectorGeneral.

## **EMERGENCY AND HAZARDS MANAGEMENT**

### **Dangerous Goods**

36. The Proponent shall ensure that the storage, handling, and transport of dangerous goods are conducted in accordance with the relevant Australian Standards, particularly AS1940 and AS1596, and the *Dangerous Goods Code*.

### **Safety**

37. The Proponent shall secure the project to ensure public safety to the satisfaction of the DirectorGeneral.

### **Bushfire Management**

38. The Proponent shall:

- (a) ensure that the project is suitably equipped to respond to any fires on-site; and
- (b) assist the Rural Fire Service and emergency services as much as possible if there is a fire on site.

#### **PRODUCTION DATA**

39. The Proponent shall:

- (a) provide annual production data to the DPI using the standard form for that purpose; and (b) include a copy of this data in the AEMR.

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### **SCHEDULE 4 ADDITIONAL PROCEDURES**

#### **NOTIFICATION OF LANDOWNERS**

1. If the results of monitoring required in Schedule 3 identify that impacts generated by the project are greater than the relevant impact assessment criteria, then the Proponent shall notify the Director-General and the affected landowners and/or existing or future tenants accordingly, and provide quarterly monitoring results to each of these parties until the results show that the project is complying with the relevant criteria.

#### **INDEPENDENT REVIEW**

2. If a landowner of privately owned land considers that the operations of the quarry are exceeding the impact assessment criteria in Schedule 3, then he/she may ask the Proponent in writing for an independent review of the impacts of the project on his/her land.

If the Director-General is satisfied that an independent review is warranted, the Proponent shall within 3 months of the Director-General advising that an independent review is warranted:

- (a) consult with the landowner to determine his/her concerns;
  - (b) commission a suitably qualified, experienced and independent person, whose appointment has been approved by the Director-General, to conduct monitoring on the land, to determine whether the project is complying with the relevant criteria in Schedule 3, and identify the source(s) and scale of any impact on the land, and the project's contribution to this impact; and (c) give the Director-General and landowner a copy of the independent review.
3. If the independent review determines that the quarrying operations are complying with the relevant criteria in Schedule 3, then the Proponent may discontinue the independent review with the approval of the Director-General.
  4. If the independent review determines that the quarrying operations are not complying with the relevant criteria in Schedule 3, and that the quarry is primarily responsible for this non-compliance, then the Proponent shall:
    - (a) implement all reasonable and feasible measures, in consultation with the landowner, to ensure that the project complies with the relevant criteria; and

- (b) conduct further monitoring to determine whether these measures ensure compliance;  
or
- (c) secure a written agreement with the landowner to allow exceedances of the relevant criteria in Schedule 3, to the satisfaction of the Director-General.

If the additional monitoring referred to above subsequently determines that the quarrying operations are complying with the relevant criteria in Schedule 3, then the Proponent may discontinue the independent review with the approval of the Director-General.

If the Proponent is unable to finalise an agreement with the landowner, then the Proponent or landowner may refer the matter to the Director-General for resolution.

If the matter cannot be resolved within 21 days, the Director-General shall refer the matter to an Independent Dispute Resolution Process (see Appendix 8).

5. If the landowner disputes the results of the independent review, either the Proponent or the landowner may refer the matter to the Director-General for resolution.

If the matter cannot be resolved within 21 days, the Director-General shall refer the matter to an Independent Dispute Resolution Process (see Appendix 8).

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## **SCHEDULE 5 ENVIRONMENTAL MANAGEMENT, MONITORING, REPORTING & AUDITING**

### **ENVIRONMENTAL MANAGEMENT STRATEGY**

1. The Proponent shall prepare and implement an Environmental Management Strategy for the project to the satisfaction of the Director-General. This strategy shall be submitted to the Director-General within 3 months of the date of this approval, and;
  - (a) provide the strategic context for environmental management of the project;
  - (b) identify the statutory requirements that apply to the project;
  - (c) describe in general how the environmental performance of the project would be monitored and managed;
  - (d) describe the procedures that would be implemented to:
    - keep the local community and relevant agencies informed about the construction, operation and environmental performance of the project;
    - receive, handle, respond to, and record complaints;
    - resolve any disputes that may arise during the life of the project;
    - respond to any non-compliance;
    - manage cumulative impacts; and
    - respond to emergencies; and
  - (e) describe the role, responsibility, authority, and accountability of the key personnel involved in the environmental management of the project.

## **ENVIRONMENTAL MONITORING PROGRAM**

2. The Proponent shall prepare an Environmental Monitoring Program for the project to the satisfaction of the Director-General. This program shall be submitted to the Director-General concurrently with the submission of the various monitoring programs and consolidate the various monitoring requirements in Schedule 3 of this approval into a single document.

## **REPORTING**

### **Incident Reporting**

3. Within 24 hours of detecting an exceedance of the limits/performance criteria in this approval or the occurrence of an incident that causes (or may cause) harm to the environment, the Proponent shall notify the Department and other relevant agencies of the exceedance/incident.
4. Within 6 days of notifying the Department and other relevant agencies of an exceedance/incident, the Proponent shall provide the Department and these agencies with a written report that:
  - (a) describes the date, time, and nature of the exceedance/incident;
  - (b) identifies the cause (or likely cause) of the exceedance/incident;
  - (c) describes what action has been taken to date; and
  - (d) describes the proposed measures to address the exceedance/incident.

### **Annual Reporting**

5. Within 12 months of the date of this approval, and annually thereafter, the Proponent shall submit an AEMR to the Director-General, relevant agencies and CCC. This report shall:
  - (a) identify the standards and performance measures that apply to the project;
  - (b) describe the works that will be carried out in the next 12 months;
  - (c) include a summary of the complaints received during the past year, and compare this to the complaints received in previous years;
  - (d) include a summary of the monitoring results for the project during the past year; (e) include an analysis of these monitoring results against the relevant:
    - impact assessment criteria/limits;
    - monitoring results from previous years; and
    - predictions in the EA;
  - (f) identify any trends in the monitoring results over the life of the project;
  - (g) identify any non-compliance during the previous year; and
  - (h) describe what actions were, or are being, taken to ensure compliance.

## **INDEPENDENT ENVIRONMENTAL AUDIT**

6. Within 12 months of the date of this approval, and every 3 years thereafter, unless the Director-General directs otherwise, the Proponent shall commission and pay the full cost of an Independent Environmental Audit of the project. This audit shall:
  - (a) be conducted by a suitably qualified, experienced, and independent person(s) whose appointment has been approved by the Director-General;
  - (b) include consultation with the relevant agencies;

- (c) assess the environmental performance of the project, and its effects on the surrounding environment;
- (d) assess whether the project is complying with the relevant standards, performance measures and statutory requirements; and
- (e) review the adequacy of any strategy/plan/program required under this approval, and, if necessary, recommend measures or actions to improve the environmental performance of the project, and/or any strategy/plan/program required under this approval.

*Note: The person(s) conducting the audit should have expertise in flora and fauna assessment, hydrogeology and quarry rehabilitation.*

7. Within 6 weeks of completion of each Independent Environmental Audit, the Proponent shall submit a copy of the audit report to the Director-General, with a response to any of the recommendations in the audit report.
8. Within 3 months of submitting a copy of the audit report to the Director-General, the Proponent shall review and if necessary revise:
  - (a) each of the environmental management and monitoring strategies/plans/programs in Schedules 3 and 5; and
  - (b) the sum of the Vegetation Offset Bond (see Schedule 3). This review shall consider:
    - the effects of inflation;
    - any changes to the total area of disturbance; and
    - the performance of the vegetation offsets against the completion criteria of the Rehabilitation and Vegetation Offset Management Plan,

to the satisfaction of the Director-General

#### **COMMUNITY CONSULTATIVE COMMITTEE**

9. The Proponent shall establish a Community Consultative Committee (CCC) for the project to the satisfaction of the Director-General, in general accordance with the Department's *Guideline for Establishing and Operating Community Consultative Committees for Mining Projects*.

*Note: The Proponent may continue the operation of the Liaison and Review Committee established under condition 6.7 of the development consent issued by the Land and Environment Court on 14 July 1998 to fulfil this condition.*

#### **ACCESS TO INFORMATION**

10. Within 1 month of the approval of any plan/strategy/program required under this approval (or any subsequent revision of these plans/strategies/programs), or the completion of the audits or AEMR required under this approval, the Proponent shall:
  - (a) provide a copy of the relevant document/s to the relevant agencies and to members of the general public upon request; and
  - (b) ensure that a copy of the relevant document/s is made publicly available on its website and at the Proponent's office.
11. During the project, the Proponent shall:
  - (a) make a summary of monitoring results required under this approval publicly available on its website and at the site office; and

(b) update these results on a regular basis.

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## APPENDIX 1 SCHEDULE OF LAND

|                  |   |
|------------------|---|
| Extraction Area  | <ul style="list-style-type: none"><li>• Lots 1 &amp; 2 DP 570966</li><li>• Lots 1 &amp; 2 DP 1063296</li><li>• Lot 1 DP 1013943</li><li>• Lot 2 DP 233818</li><li>• Lot 1 DP 1091018</li><li>• Lot 1 DP 223323</li><li>• Lots 167 &amp; 214 DP 752039</li></ul> |
| Processing Plant | <ul style="list-style-type: none"><li>• Lot 198 DP 752025</li></ul>   |



### APPENDIX 2 GENERAL LAYOUT OF PROJECT



- Area already extracted and partially rehabilitated
- Area for future extraction
- Clean water dam
- Existing internal haul road
- Land included in the application



Figure 1  
 100m 50m 20m 10m 5m 2m  
 100m 50m 20m 10m 5m 2m  
 100m 50m 20m 10m 5m 2m  
 100m 50m 20m 10m 5m 2m



## APPENDIX 3 STATEMENT OF COMMITMENTS

### Noise and Vibration

- Site activities will be managed so that any necessary high noise and vibration levels occur at times of least impact.
- All site activities will be undertaken incorporating noise attenuation measures such as restricting working hours for certain works required in the proximity of sensitive receptors.
- All equipment used on site will be certified in relation to noise performance.
- Panels and covers of silenced plant will be kept shut and plant and equipment switched off when not in use.
- All mechanical equipment will be silenced by the best practical means using current technology, prior to use. Noise suppression devices will be fitted according to manufacturer's instructions. Noise control kits will be fitted to noisy mobile equipment and shrouds provided around stationary equipment where necessary.
- All plant and equipment will be inspected regularly to ensure that it is well maintained to minimise noise emissions.
- The  $L_{10}$  noise level at the boundary of adjacent receivers where baseline data has been obtained will not normally exceed the background level by more than 5 dB(A).
- Compliance monitoring of noise levels will be undertaken and appropriate records of measurements kept.
- The local community will be informed of the level and duration of noise to be expected during specific activities and phases of development when necessary. Communication of concerns to the Environmental Manager will be invited.

### Air Quality and Greenhouse Gas Emissions

- Ambient air quality monitoring will be conducted at identified sites.
- Dust suppression equipment will be fitted to all processing plant on the site. This will be regularly inspected and maintained in good working order at all times.
- Trafficable areas will be defined to prevent unnecessary vehicle movement into other parts of the site.
- All unsealed trafficable areas and working areas will be kept damp by spraying regularly with a water cart, water sprays or sprinklers to minimise dust emissions. Frequency of spraying to be determined based on weather conditions, soil erodibility and the observation of any visible dust.
- Speed controls will be applied to all unsealed areas (maximum speed of 20 km/h) and signposted accordingly.
- All semi-permanent stockpiles will be vegetated with suitable groundcover and regularly watered until the vegetation is well established.

- Work on any extraction activity producing dust will cease due to high winds if control cannot be achieved by watering or other means. Work will not resume until the wind velocity decreases and any dust generation can be controlled by normal means.
- All loaded trucks leaving the central processing plant on Lot 198 DP 752025 will have their payloads fully covered by a suitable material to prevent spillage.
- No fires will be permitted on-site without a permit.
- A mechanical road sweeping unit and water cart will be maintained for use as required to keep all roads including the intersection of the haul road and Wisemans Ferry Road free from deposited material.
- Exhausts from all vehicles and plant/equipment will be inspected to ensure that they are maintained at an acceptable level.
- All vehicles will be regularly serviced to ensure that exhaust emissions comply with the regulations. Appropriate service records will be maintained.
- Any opportunities to minimise machinery use and ensure that all equipment used on the site is energy efficient will be identified.

#### **Access and Traffic**

- If the sand slurry plant and transport system is unusable due to breakdown or during maintenance periods, trucks will be used for the transport of extractive material on a temporary basis. This will cease once the system is operating satisfactorily.
- The number of laden vehicle movements will not exceed a combined total of two hundred per day via the intersection of the haulage road and Wisemans Ferry Road. This is the total of laden vehicle movements allowed for PF Formation's combined extractive industry operations in Baulkham Hills Shire.
- Operations involving the transportation of material on the site will only be undertaken between 07.00 and 18.00 hours, Monday to Saturday, except a maximum of 10 laden vehicles will be allowed to enter and leave the site between 06.00 and 07.00 hours, Monday to Saturday only. Vehicles will not be allowed to arrive at the site prior to 05.45 hours on any day.

#### **Erosion and Sediment Control**

- Soil and Water Management Plan will be reviewed and revised, if required.
- Temporary erosion and sedimentation control structures such as detention basins and catch drains will be constructed as appropriate to collect runoff from cleared land including extraction areas and access roads.
- Silt traps and erosion control fencing will be erected as appropriate along extraction area boundaries and drainage lines.
- Sediment basins with a minimum storage capacity of 400 m<sup>3</sup> per hectare of catchment will be constructed. Spillway capacity and stability will be designed as follows: – life of less than 5

years, adopt the 20 year tc event; – life between 5 and 10 years, adopt the 50 year tc event; and – life greater than 10 years, adopt the 100 year tc event.

- Stormwater control measures will be assessed and routine inspections conducted to ensure that compliance with best practice guidelines and relevant legislation is achieved.
- Locations for topsoil and material stockpiles will be selected on level ground and away from drainage lines. Diversion drains and sediment filter fences will be installed up slope as appropriate.
- Training will be provided to operational personnel on the importance of erosion control measures and drivers informed of the damage that can be caused to the environment by heavy vehicles.
- Areas of exposed land will be kept to a minimum compatible with operational requirements.
- Exposed areas not in use will be stabilized with an appropriate cover crop and watered until well established.
- Erosion and sediment controls will be monitored regularly and immediately following a rainfall event. Monitoring will take place initially on a weekly basis, then monthly once operating correctly. Sediment will be cleared when the traps have collected 60% of the capacity of the basin or where sediment build-up is less than 300 mm below the spillway crest. Sediment will be removed to a location where further pollution to downslope lands and waterways will not occur.
- Maintenance of erosion and sediment controls will be undertaken when any deterioration is identified or when replacement is necessary.
- Stored stormwater will be reused for dust control and the watering of site vegetation.
- Soil stockpiles will be seeded where these are to remain unused for a period in excess of four weeks. The area will be watered until the vegetation is well established.

### **Water Management**

- Maximum depth of extraction will be restricted to not less than two metres above the wet weather high groundwater level. (nominally 181 m AHD).
- The groundwater will not be breached or contaminated. In the event that either should occur, operations will cease in the affected area and the Department of Environment and Climate Change consulted to determine the basis on which extraction may recommence.
- Retention basins will be designed to accommodate the 100-year tc event. The minimum basin capacities are:
  - Northern catchment 10,000 m<sup>3</sup>
  - Southern catchment 38,000 m<sup>3</sup>

The volume of these basins can be varied depending on the extent of the area exposed for extraction within each catchment.

- All retention basins will be regularly inspected and an annual report prepared on their effectiveness.
- A minimum of two groundwater monitoring bores will be installed. One will be located within or near the extraction area and another at some location within the site beyond the area of any direct extraction influence. The location of these bores will meet the requirements of the Department of Environment and Conservation and Baulkham Hills Shire Council.

### **Flora and Fauna**

- All areas which are not to be disturbed will be clearly marked.
- Topsoil will be separated and stored or use in rehabilitation works.
- An area of not less than 12 hectares will be identified, and indicated on the site survey. This will be identified as a revegetation area and access controlled.
- Seed will be collected from the existing woodland communities (Sydney Hinterland Transition Woodland), stored under controlled conditions, made available for future broadcasting and a suitable proportion propagated to provide tubestock for revegetation.
- Stored topsoil and that derived from suitable areas adjacent to the woodland communities will be spread over the defined revegetation area and seed broadcast over the site to augment the soil-borne native seed bank. Tube stock suitably protected against animal predation will also be used in appropriate locations.
- Access to bushland will be restricted to minimise the potential for damage. These areas will be marked and signs erected to ensure that this prohibition is made clear. The boundary of the site will be fenced to prevent external access.

### **Rehabilitation**

- The Rehabilitation Plan will be reviewed and amended as necessary to reflect changing operational conditions. This will include a revised phasing plan and implementation programme.
- Setbacks to all roads and adjacent properties will be defined taking account of existing trees and other features. Programmes of mound construction and screen planting will be undertaken as required in the Rehabilitation Plan. All plant material used will reflect the species mix existing in the area.
- A staged seeding and planting programme will be undertaken as areas become available following completion of extraction and capping of sediment basins. This will be aimed at producing a dense plantation on the steeper slopes derived from the flora resources already established. The aim is to replicate as far as possible the mix and density of planting which is currently present.
- All suitable plant material will be used on the site as a seed and planting medium. Topsoil will be stored in appropriately marked low stockpiles for reuse in locations as close as possible to their source. Care will be taken to ensure that this does not become contaminated with the seeds of exotic species and weeds.

- The site will be rehabilitated in stages leaving areas exposed for as short a time as possible. This will be undertaken in conformity with the approved Rehabilitation Plan with maximum final batter grades of 4(H):1(V) on north and west facing slopes and 3(H):1(V) on those facing south and east. Final slopes will be as gentle as possible depending on the availability of fill material.
- All soil stockpiles and exposed areas will be seeded with an appropriate vegetation cover where no activity is to take place for more than four weeks.
- Revegetation of the site will be undertaken on the following basis:
  - as far as possible re-establish the Sydney Hinterland Transitional Woodland using seed and mulch collected from the area ;
  - rehabilitate other areas to native species with a light sowing of cereal and allowing natural regeneration;
  - rehabilitate the soil to achieve a full profile;
  - lime, fertilise and sow areas where improved grass cover is required; and
  - suitably turf surfaces expected to experience high surface flows leaving the site.
- A maintenance programme aimed at promoting and protecting the growth of the rehabilitated areas will be established.

### **Social Impact Management**

- Material concerning activities at the site will be prepared and published on the company's website which will allow the community and others to be informed about current news on the site.
- Regular bi-annual meetings of community representatives will be established to discuss issues in relation to sand extraction on the site.
- A Complaints Register will be established incorporating date and time, type of communication, contact details of the complainant, nature of the complaint and response taken.

### **Heritage**

- All work will cease in the area if an archaeological or heritage item is identified during extraction operations and the National Parks and Wildlife Service, the Deerubbin Aboriginal Land Council or the Heritage Office consulted to determine any appropriate course of action prior to recommencement of the work.
- Any additional survey work required for submittal of application to destroy artefact scatters located in the later stages of the development will be undertaken. Reasonable requirements of the National Parks and Wildlife Service (DECC), the Deerubbin Aboriginal Land Council and the Heritage Office arising out of any additional studies will be implemented.

### **Visual Amenity**



- Peripheral bunds will be constructed within the established setbacks where necessary to screen extraction activities. These will be a minimum of three metres high with slopes ranging from 3(H):1(V) to 6(H):1(V) depending on the location using overburden stripped from the site.
- Screen planting works will be undertaken in the peripheral areas to an agreed specification using mulch to allow for native plant regeneration. This species mix will be reinforced using appropriate plantings at specified intervals.
- A tree planting programme will be undertaken within the ten metre buffer zones and in other defined parts of the site to establish a dense plantation using an appropriate mix of species reflecting that of the existing community.
- The final rehabilitated landform will be established in conformity with the Rehabilitation Plan.
- All temporary fencing will be removed when no longer required.
- Vegetation in areas suitable for agricultural/horticultural uses will be re-established.
- All site infrastructure including the slurry plant and its associated pipelines will be removed. Those areas affected by the plant will be restored and rehabilitated.
- All waste materials will be removed and disposed of in an appropriate manner.
- The final Rehabilitation Plan will be reviewed and proposals for future use of the site prepared.

### **Waste Management**

- Waste handling areas will be clearly delineated.
- Specific areas for the collection of materials for reuse and recycling will be defined and clearly labelled.
- Cleared vegetation will be used within the landscape programme.
- All topsoil will be stored in stockpiles for later use in site rehabilitation.
- Bins or skips will be provided for the collection and storage of recyclable material and waste. General construction waste will be stored in a skip located at the workshop on Lot 198 DP752025. Waste food will be removed and stored in a vermin proof bin for collection by a waste contractor. Paper waste generated from site offices, plastics and glass will be collected separately for recycling.
- Hazardous wastes (including empty drums, rags, soil contaminated with oil) will be separated from nonhazardous wastes and managed in accordance with the relevant legislation.
- Liquid wastes (chemicals, oils and greases) will be temporarily stored in an appropriately bunded area and disposed of via a licensed contractor. Wash down water will be directed to an appropriate settlement basin if quality is acceptable.
- Copies of current licences of all waste removal contractors on site will be retained.
- All documentation relating to waste removal and disposal will be retained on file at the site. This documentation will include docketts for the removal and disposal of waste at a licensed facility.

- Waste material will be progressively separated and stockpiled in designated areas for collection. Adequately secure waste disposal areas to prevent access by wildlife.
- All waste licences will be reviewed and terms and conditions for compliance monitored.
- Any materials and waste remaining on the site following completion of extraction operations will be recycled or sent of disposal. This will be either recycled or disposed of in an appropriate manner.

### **Emergency Response**

- All personnel on site during operations will be trained in appropriate procedures including site induction, materials handling and response procedures.
- Emergency response procedures will be developed and put in place. Appropriate individuals will be appointed as emergency services liaison officers.
- An emergency response table listing contact details of all relevant parties required in an environmental emergency will be prepared.
- A Register of Environmentally Hazardous Materials to be stored and used on site will be established.
- Appropriate safety and spill response equipment will be made available on site.
- All materials to be used and stored on site will be clearly labelled.
- Emergency response procedures will be reviewed and updated bi-annually.
- Appropriate safety and response equipment will be available at all times.

### **Hazard, Risk and Safety**

- A licence to keep dangerous goods will be obtained from WorkCover NSW for all materials stored on site which require licensing.
- A Register of Hazardous Materials setting out details of quantities, storage and specific handling requirements for all relevant materials stored on site will be established.
- Material Safety Data Sheets for all hazardous materials stored on site will be obtained.
- Appropriate storage and secondary containment facilities for all hazardous materials stored on site will be provided. All bunded areas will be designed to contain at least 110% of the volume of materials stored within the area.
- A Safety Officer will be appointed for the development.
- All flammable material storage areas will be located at least ten metres from possible ignition sources.

- Contents of all above ground storage areas will be clearly labelled.
- All hazardous and dangerous goods storage areas will be secured and appropriate signage displayed. All incompatible material will be segregated.
- All personnel will be trained in the handling and safety procedures required for the hazardous materials stored and used on site.
- An Emergency Response Plan will be developed and put in place.
- A mobile spill control kit containing appropriate absorbent materials, neutralising chemicals and other spill containment equipment will be provided.
- Personal protective equipment will be provided and personnel instructed in its use.
- Any spills beyond the bunded area will be cleaned up immediately and the contaminated material disposed of in an appropriate manner.
- The relevant authorities will be contacted in the event of a leak or spill and any instructions followed. Any contamination will be remediated to the satisfaction of the regulatory authorities.
- Any spills or hazardous wastes that cannot be recycled will be collected and disposal by a licensed waste contractor arranged. All records of waste removal on site will be retained.



Figure 4.7

NOISE MONITORING AND ASSESSMENT LOCATIONS



#### APPENDIX 4 NOISE ASSESSMENT LOCATIONS

#### APPENDIX 5 VEGETATION OFFSET PLAN



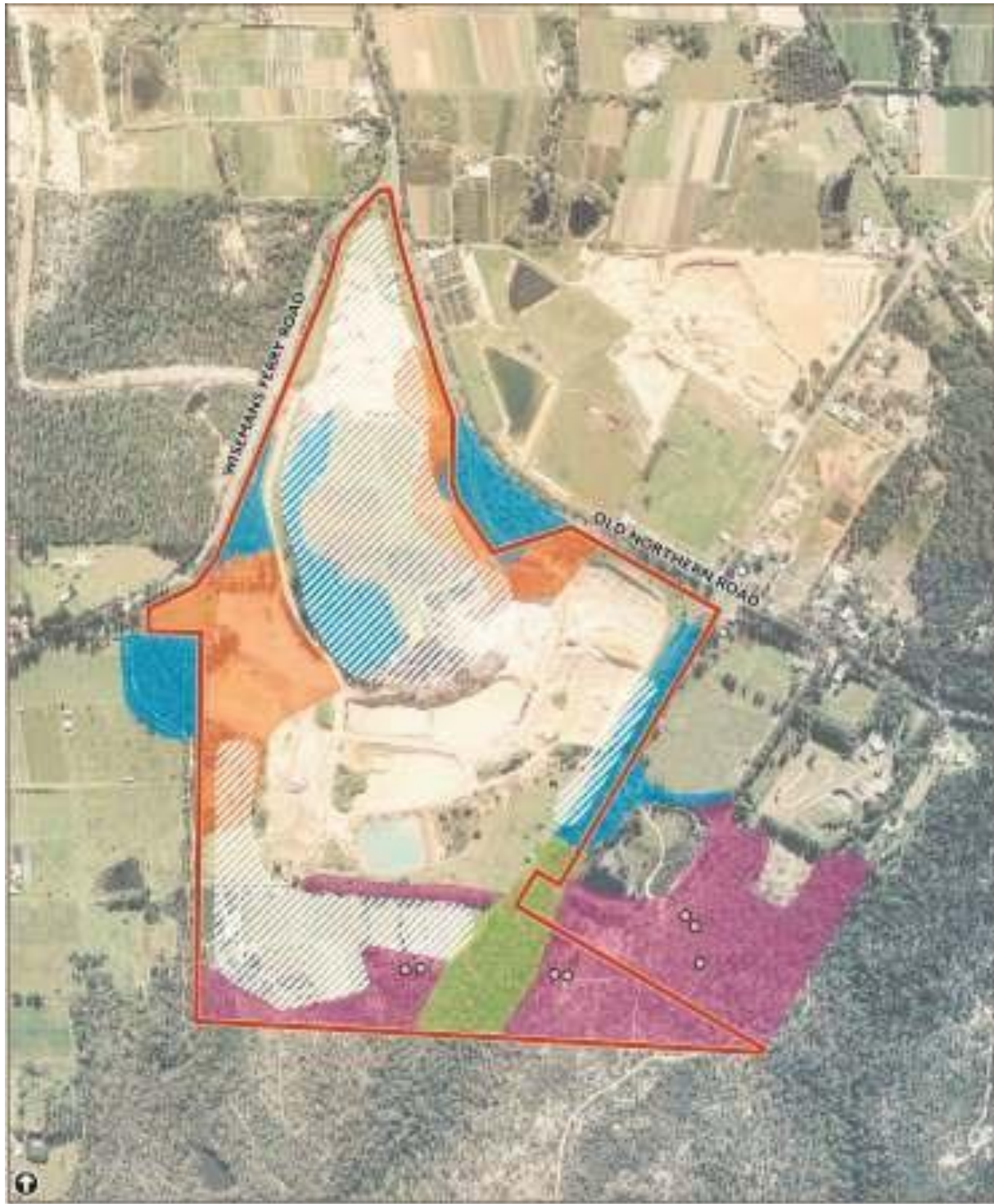


Figure 8

AREAS TO BE CLEARED AND NEW PLANTINGS (STRATEGY A)

- Hitchcock Road site
- Areas for new plantings
- *Tetraena pindiana*
- Sydney Sandstone Gully Forest
- Sydney Sandstone Ridgetop Woodland
- Sydney Hinterland Transition Woodland
- // Areas to be cleared

Note: Sydney Hinterland Transition Woodland shown at time of photograph (2006)  
Parts of this area can be cleared under the current consent

## APPENDIX 6 CRITERIA TO MONITOR SUCCESS OF REVEGETATION



Natural Gas Pipeline Construction  
Environmental Report

Table 3-1 Criteria to monitor success of revegetation

| Category             | Criteria   | Target   |   |  | Final condition of vegetation to be achieved                 |
|----------------------|--|--|---|--|--|
|                      |  | 1 year   | 10 years  | 15 years   |  |
| Native species       | Native species diversity                                       | 20   | 25  | 30   | 40   |
|                      | Average number of native species per 400m <sup>2</sup> quadrat | 15   | 20  | 25   | 34.6 ± 1.5 <sup>a</sup>                                      |
|                      | Native species cover   | 10%  | 15%   | 20%  | 2%   |
| Weeds                | Weed abundance   | 10%  | 15%   | 20%  | 1%   |
|                      | Weed cover in 400m <sup>2</sup> quadrat                        | Controlled   | Controlled  | Controlled   | Restricted   |
| Vegetation structure | Vegetation structure   | Canopy shrub cover and groundcover absent or sparse. However, shrubs are small, generally consisting of low canopy and ground cover. | Canopy shrub cover and groundcover present. Structure beginning to develop. | Well structured and includes herbaceous, shrub and ground cover. | Well structured and includes canopy, shrub and ground cover. |
| Canopy               | Average canopy height (m)                                      | 4  | 8   | 12   | 12-10  |
|                      | Native canopy cover (minimum % cover)                          | 5  | 6   | 6  | 5  |
| Shrub layer          | Number of shrub species (per quadrat)                          | 1  | 1   | 1  | 1  |
|                      | Native shrub cover (minimum % cover)                           | 10   | 10  | 10   | 10.5 ± 1.5 <sup>a</sup>                                      |
|                      | Average shrub layer height (m)                                 | 0.5  | 1   | 1  | 1.25   |
| Ground cover         | Native ground cover (minimum % cover)                          | 5  | 10  | 10   | 15 ± 0.5 <sup>a</sup>  |
|                      | Number of groundcover species (per quadrat)                    | 1  | 1   | 1  | 1  |

| Category  | Criteria   | Target                                  |                           |                           | Long-term level of vegetation to be restored                           |
|---|--|---|---------------------------|---------------------------|--|
|   |  | 3 years                                 | 10 years                  | 15 years                  |  |
| Ecosystem function  | Forest structure beginning to develop  | Woodland structure beginning to develop | Woodland structure mature | Woodland structure mature | Provides minimal habitat for fauna however many woodland birds present |
|   | Native vegetation indicating dispersal of seed into soil and/or presence of native seed bank | Yes                                     | Yes                       | Yes                       | Yes  |
| Notes: A score of 0 means vegetation is not present or is present but is not native. A score of 1 means vegetation is present but is not native. A score of 2 means vegetation is present and is native. A score of 3 means vegetation is present and is native and is in a good state of health. A score of 4 means vegetation is present and is native and is in a good state of health and is in a good state of health. A score of 5 means vegetation is present and is native and is in a good state of health and is in a good state of health. |  |   |                           |                           |  |
| 2. Multi-temporal assessment scale  |  |   |                           |                           |  |
| 1. 0-100% native vegetation   |  |   |                           |                           |  |
| 2. 75-100% native   |  |   |                           |                           |  |
| 3. 50-75%   |  |   |                           |                           |  |
| 4. 25-50%   |  |   |                           |                           |  |
| 5. 0-25%  |  |   |                           |                           |  |
| 6. 0%   |  |   |                           |                           |  |

# APPENDIX 7 FINAL LANDFORM PLANS





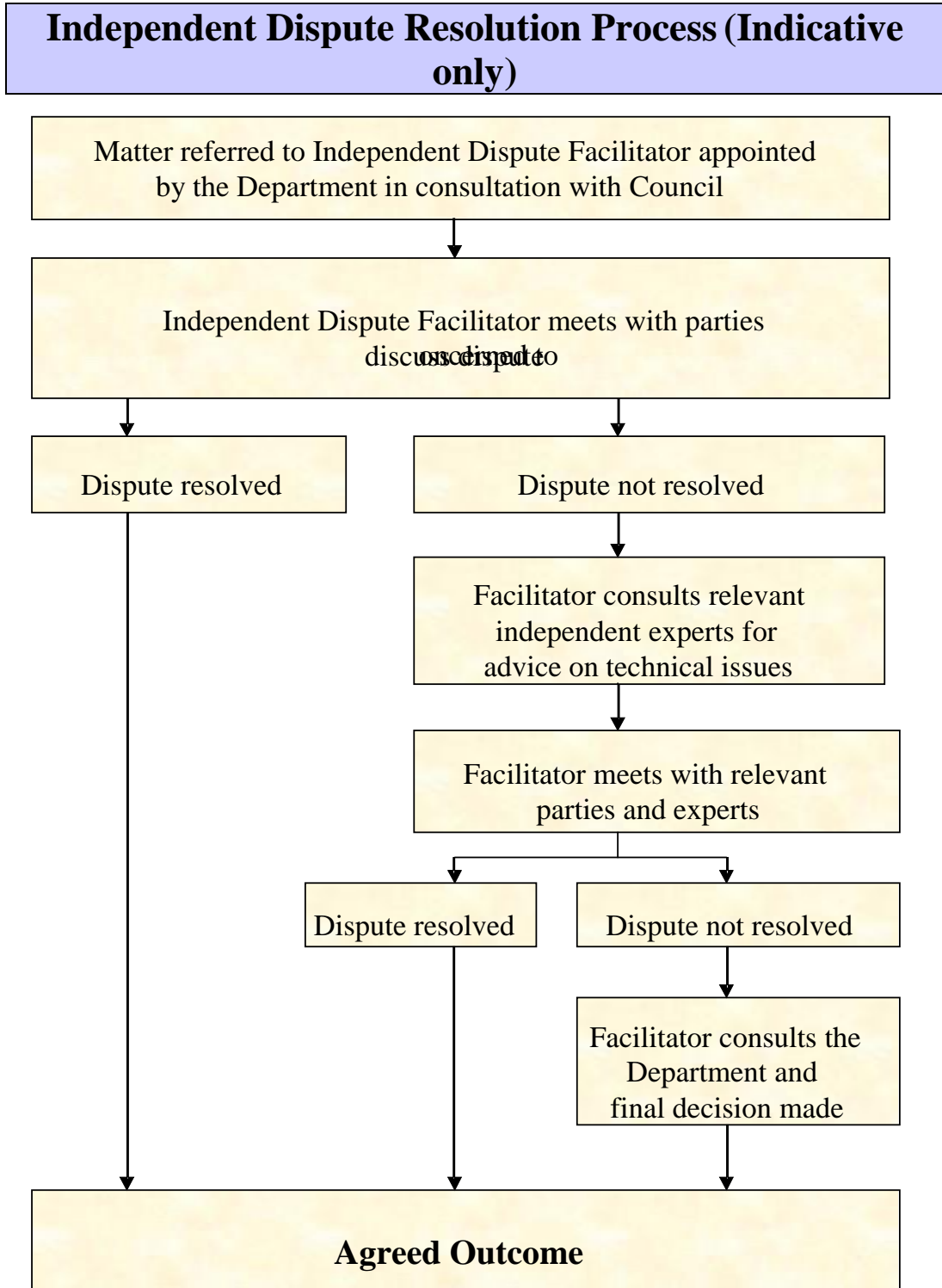


Scale  
 0 200 Feet

Map Symbols & Feature Details  
 Green Shaded Area Contour Lines  
 Blue Shaded Area Contour Lines  
 Brown Boundary

Figure 18  
 FINAL LANDFORM STRATEGY

APPENDIX 8 INDEPENDENT DISPUTE RESOLUTION PROCESS



# **ATTACHMENT 2**

## **NOTICE OF MODIFICATION**

# Notice of Modification

## Section 4.55(2) of the *Environmental Planning and Assessment Act 1979*

As delegate of the Minister for Planning, I modify the development consent referred to in Schedule 1, as set out in Schedule 2.



Jessie Evans  
Director Resource Assessments

Sydney

3 December 2021

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### SCHEDULE 1

The development consent (06\_0104) for the Hitchcock Road Sand Project granted by the Minister for Planning on 14 February 2009

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### SCHEDULE 2

1. In Schedule 1 in the term "Approval Authority" delete the word "Approval" and replace with "Consent".
2. Update the page numbers in the Table of Contents, as required.
3. In the list of definitions, delete the terms AEMR, DECC, Department, Director-General, DPI, DWE, Minister, Project, RTA and VENM and insert the following in alphabetical order:

Applicant PF Formation, or any person carrying out any development under this consent

Annual Review Required by condition 5 of Schedule 5 that is prepared with regard for the *Annual Review Guideline (2015)* or its latest version

BCD Biodiversity and Conservation Sciences Directorate

DAWE Commonwealth Department of Agriculture, Water and the Environment

Department NSW Department of Planning, Industry and Environment

|                     |   |
|---------------------|---|
| Development         | The development as described in the documents listed in condition 2 of Schedule 2   |
| DPI Agriculture     | Department of Primary Industries - Agriculture  |
| DPIE Water          | Water Group within the Department   |
| DPIE Crown Lands    | Crown Lands Group within the Department   |
| ENM                 | Excavated Natural Material, as defined in the Resource Recovery Order and Exemption, issued in accordance with Clauses 91 and 92 of the <i>Protection of the Environment Operations (Waste) Regulation 2014</i>   |
| EPA                 | NSW Environment Protection Authority  |
| Heritage NSW        | Heritage NSW within the Department of Premier and Cabinet   |
| Incident            | An occurrence or set of circumstances that causes or threatens to cause material harm and which may or may not be or cause a non-compliance   |
| Material harm       | Is harm to the environment that: <ul style="list-style-type: none"> <li>• involves actual or potential harm to the health or safety of human beings or to the environment that is not trivial; or</li> <li>• results in actual or potential loss or property damage of an amount, or amounts in aggregate, exceeding \$10,000, (such 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)</li> </ul> <p>This definition excludes “harm” that is authorised under either this consent or any other statutory approval</p> |
| MEG                 | Regional NSW - Mining, Exploration and Geoscience   |
| Minister            | NSW Minister for Planning and Public Spaces, or delegate  |
| Modification Report | Modification Report for the development titled <i>Statement of Environmental</i>  |
| MOD 1               | <i>Effects for the modification of Hitchcock Road Sand Extraction and Rehabilitation Project Environmental Assessment and, Appendices</i> , dated June 2020, prepared by R.W. Corkery & Co. Pty. Limited, including the Submissions Report dated September 2020, and letters dated 3 and 22 November 2021   |
| Non-compliance      | An occurrence, set of circumstances or development that is a breach of this consent   |

|                     |   |
|---------------------|---|
| NRAR                | Natural Resources Access Regulator  |
| Planning Secretary  | Planning Secretary under the EP&A Act, or nominee   |
| Resources Regulator | NSW Resources Regulator   |
| TfNSW               | Transport for NSW   |
| VENM                | Virgin Excavated Natural Material, as defined in clause 50 of Schedule 1 of the<br><i>Protection of the Environment Operations Act 1997</i> |

4. Delete all references to “DRG” and replace with “MEG”.
5. Delete all references to “DWE” and replace with “DPIE Water”.
6. Delete all references to “Department of Lands” and replace with “DPIE Crown Lands”.
7. In Delete all references to “this approval” and replace with “this consent”, except in condition 10 of Schedule 2.
8. Delete all references to “Proponent” and replace with “Applicant”.
9. Delete all references to “shall” and replace with “must”, except in condition 3 of Schedule 2.
10. Delete all references to “Director-General” and replace with “Planning Secretary”.
11. Delete all references to “project” and replace with “development”, excluding in:
  - a) the term “Hitchcock Road Sand Project” in Schedule 1;
  - b) the definitions of “EA” and “Modification Report MOD 1” in the definitions table;
  - c) the phrase “preferred project report”; and
  - d) conditions, 3, 4 and 9 on Schedule 5.
12. Delete all references to “AEMR” and replace with “Annual Review”.
13. In condition 2 of Schedule 2:
  - a) in the first sentence delete the words “generally in accordance with”;
  - b) in paragraph (a), prior to the term “EA”, insert the words “generally in accordance with the” and after the term “EA”, insert “and Modification Report MOD 1”;
  - c) in paragraph (b) prior to the term “preferred project report” insert the words “generally in accordance with the”;
  - d) in paragraph (c) prior to the words “statement of commitments” insert the words ‘generally in accordance with the’; and
  - e) in paragraph (d) prior to the words “conditions of this” insert the words “in accordance with the”.
14. In condition 6 of Schedule 2, delete “2028” and replace with “2038”.

15. After condition 7 of Schedule 2, insert the following:

7A. The Applicant must not import more than 250,000 tonnes of VENM or ENM per calendar year.

16. In condition 8 of Schedule 2, delete the first sentence and paragraphs (a) and (b) and replace with the following:

8. The Applicant must not:

- (a) receive more than 200 heavy vehicles at the site per day;
- (b) dispatch more than 200 laden heavy vehicles associated with the Applicant's combined operations at Maroota and the Central Wash Plant site (Lot 198 DP 752025); and

17. In condition 8(c) of Schedule 2:

- a) prior to the number "10" insert "allow more than";
- b) after the number "10" insert "heavy vehicles";
- c) delete the words "for trucks"; and
- d) prior to the words "entering/exiting" insert the word "from".

18. Delete the note in condition 8 of Schedule 2.

19. In the notes to condition 7 of Schedule 3, delete "DECC" and replace with "the EPA and the Department".

20. In conditions 8(b), 12(b) and 16(b) of Schedule 3 delete "DECC" and replace with "the EPA".

21. In condition 24(a) of Schedule 3, delete "DECC" and replace with "BCD".

22. In condition 28 of Schedule 3, delete both references to "DECC" and replace with "Heritage NSW".

23. After condition 31, insert the following:

#### **Traffic Management Plan**

31A. The Applicant must prepare a Traffic Management Plan for the development to the satisfaction of the Planning Secretary. This plan must:

- (a) be prepared by suitably qualified and experienced person/s whose appointment has been endorsed by the Planning Secretary;
- (b) be prepared in consultation with TfNSW and Council;
- (c) include details of all haulage transport routes within the Council local government area and vehicle types to be used for development-related traffic;
- (d) include details of the measures to be implemented to minimise traffic safety issues and disruption to local road users, including minimising potential for conflict with school buses;

- (e) include a Drivers' Code of Conduct that includes procedures requiring that drivers:
  - (i) adhere to posted speed limits or other required travelling speeds;
  - (ii) adhere to designated transport routes; and
  - (iii) implement safe and quiet driving practices;
- (f) describe the measures to be put in place to ensure compliance with the Drivers' Code of Conduct; and
- (g) propose measures to minimise the transmission of dust and tracking of material onto the surface of public roads from vehicles exiting the site.

The Applicant must implement the Traffic Management Plan as approved by the Planning Secretary.

24. Delete condition 35 of Schedule 3 and replace with:

35. The Applicant can import:

- (a) VENM to the site;
- (b) ENM to the site only for the purpose of engineering fill or use in earthworks; and
- (c) materials permitted by an EPL, where an applicable Resource Recovery Order and Exemption, issued in accordance with Clauses 91 and 92 of the *Protection of the Environment Operations (Waste) Regulation 2014* (or its latest amendment), is in place and which allows the material to be received for processing with extractive materials or application to land.

*Note: No other materials classified as waste under the Protection of the Environment Operations (Waste) Regulation 2014 (or its latest amendment) are to be received or processed on the site.*

35A. The Applicant must:

- (a) verify any VENM and ENM received has appropriate documentation demonstrating that it is VENM and ENM;
- (b) maintain accurate records of all VENM and ENM received at the site (including the date, time, quantity received and verification documentation (refer 35A(a)));
- (c) include a summary of these records in the Annual Review;
- (d) minimise the amount of waste generated by the development;
- (e) ensure that the waste generated by the development is appropriately stored, handled, and disposed of; and
- (f) report on waste minimisation and management in the Annual Review.

25. In condition 39 of Schedule 3, replace "DPI" with "MEG".

26. Delete conditions 3 and 4 of Schedule 5 and replace with:

## **REPORTING AND AUDITING**

### **Incident Notification**



3. The Applicant must notify the Department and any other relevant agencies immediately after it becomes aware of an incident. The notification must be in writing via the Department's Major Projects Website and identify the development (including the development application number and name) and set out the location and nature of the incident.

### **Non-Compliance Notification**

4. Within seven days of becoming aware of a non-compliance, the Applicant must notify the Department of the non-compliance. The notification must be in writing via the Department's Major Projects Website and identify the development (including the development application number and name), set out the condition of this consent that the development is non-compliant with, the way in which it does not comply and the reasons for the non-compliance (if known) and what actions have been, or will be, undertaken to address the non-compliance.

27. After condition 11 of Schedule 5, insert the following:

### **MANAGEMENT PLAN REQUIREMENTS**

12. Management plans required under this consent must be prepared in accordance with relevant guidelines, and include:

- (a) a summary of relevant background or baseline data; (b) details of:
  - (i) the relevant statutory requirements (including any relevant approval, licence or lease conditions);
  - (ii) any relevant limits or performance measures and criteria; and
  - (iii) the specific performance indicators that are proposed to be used to judge the performance of, or guide the implementation of, the development or any management measures;
- (c) any relevant commitments or recommendations identified in the document/s listed in condition 2 of Schedule 2;
- (d) a description of the measures to be implemented to comply with the relevant statutory requirements, limits, or performance measures and criteria;
- (e) a program to monitor and report on the:
  - (i) impacts and environmental performance of the development; and
  - (ii) effectiveness of the management measures set out pursuant to condition 12(c) of Schedule 5;
- (f) a contingency plan to manage any unpredicted impacts and their consequences and to ensure that ongoing impacts reduce to levels below relevant impact assessment criteria as quickly as possible;
- (g) a program to investigate and implement ways to improve the environmental performance of the development over time;
- (h) a protocol for managing and reporting any:
  - (i) incident, non-compliance or exceedance of the impact assessment criteria or performance criteria; (ii) complaint; or

- (iii) failure to comply with statutory requirements;
- (i) public sources of information and data to assist stakeholders in understanding environmental impacts of the development; and
- (j) a protocol for periodic review of the plan.

*Note: The Planning Secretary may waive some of these requirements if they are unnecessary or unwarranted for particular management plans.*

13. The Applicant must ensure that management plans prepared for the development are consistent with the conditions of this consent and any EPL issued for the site.

## **REVISION OF STRATEGIES, PLANS AND PROGRAMS**

14. Within three months of:
- (a) the submission of an incident report under condition 3 of Schedule 5;
  - (b) the submission of an Annual Review under condition 5 of Schedule 5;
  - (c) the submission of an Independent Environmental Audit under condition 6 of Schedule 5; or
  - (d) the approval of any modification of the conditions of this consent,
- the suitability of existing strategies, plans and programs required under this consent must be reviewed by the Applicant.

15. If necessary, to either improve the environmental performance of the development, cater for a modification or comply with a direction, the strategies, plans and programs required under this consent must be revised, to the satisfaction of the Planning Secretary and submitted to the Planning Secretary for approval within six weeks of the review.

*Note: This is to ensure strategies, plans and programs are updated on a regular basis and to incorporate any recommended measures to improve the environmental performance of the development.*

28. In Appendix 3 make the following changes:
- a) Under the heading 'Noise and Vibration', in the first dot point after the words "any necessary" insert the words "activities with potential for".
  - b) Under the heading 'Noise and Vibration', in the 3<sup>rd</sup> dot point after the words "will be" delete the words "certified in relation to noise performance" and insert "properly maintained to ensure the noise emissions generated either meet or are below the sound power level detailed in the manufacturer's specification."
  - c) Under the heading 'Noise and Vibration', in the 5<sup>th</sup> dot point after the words "will be silenced" insert the following ", where reasonable and feasible,".
  - d) Under the heading 'Noise and Vibration', in the 7<sup>th</sup> dot point delete the following where first occurring:
    - i) "L<sub>10</sub>"
    - ii) "the boundary of"
    - iii) "where baseline data has been obtained"
    - iv) "normally"
    - v) "background level by more than 5 dB(A)",
  - e) Under the heading 'Noise and Vibration', in the 7<sup>th</sup> dot point after the words "exceed the" insert "noise criteria specified within the development consent" and add a "s" to the word "level".

- f) Under the heading 'Noise and Vibration', in the 8<sup>th</sup> dot point after the words "measurements kept" insert the words "in accordance with the Noise Management Plan".
- g) Under the heading "Air Quality and Greenhouse Gas Emissions", in the first dot point delete the words "at identified site" and after the words "be conducted", insert the words "in accordance with the Air Quality Monitoring Program".
- h) Under the heading "Air Quality and Greenhouse Gas Emissions", in the second dot point after the words "will be fitted" insert the following ",where required,"
- i) Under the heading "Erosion and Sediment Control ", delete the 9<sup>th</sup> dot point, and replace with the following:
- Rehabilitation and revegetation will commence as soon as practicable to minimise risk of erosion and sedimentation.
- j) Under the heading "Erosion and Sediment Control ", in the 10<sup>th</sup> dot point:
- after the words "regularly and" insert the words "as soon as practicable";
  - delete the word "immediately" where first occurring;
  - after the words "following a" insert the word "significant"; and
  - after the words "rainfall event" insert the following "(>25mm/day)".
- k) Under the heading "Erosion and Sediment Control ", delete the 11<sup>th</sup> dot point and replace with the following "Monitoring and maintenance of erosion and sediment control structures will be undertaken in accordance with the Water Management Plan."
- l) Under the heading "Erosion and Sediment Control ", in the 13<sup>th</sup> dot point, after the words "four weeks" insert "(if vegetation has not yet established from the natural seedbank)".
- m) Under the heading Water Management, in the first dot point delete "(nominally 181 m AHD)".
- n) Under the heading Water Management, in the second dot point, after the words "Department of" insert "Planning, Industry and" and after the word "Environment" insert "- Water", and delete the words "and Climate Change".
- o) Under the heading Water Management, in the 4<sup>th</sup> dot point, delete words "an annual report prepared on" and after the words "their effectiveness" insert "reported as part of the Annual Review Process".
- p) Under the heading Water Management, delete the 5<sup>th</sup> dot point and replace with the following:
- Groundwater monitoring will be undertaken in accordance with the Water Management Plan.

- q) Under the heading Flora and Fauna, in the 4<sup>th</sup> dot point after the words “for revegetation” insert “of areas being revegetated to woodland”.
- r) Under the heading Flora and Fauna, in the 5<sup>th</sup> dot point after the words “the defined” insert the word “woodland”.
- s) Under the heading “Rehabilitation” in the 6<sup>th</sup> dot point after the words “four weeks” insert the following “(if vegetation has not yet established from the natural seedbank).”
- t) Under the heading “Rehabilitation” in the 7<sup>th</sup> dot point after the words “be undertaken” insert the words “in accordance with the Landscape Management Plan and”.
- u) Under the heading “Social Impact Management” in the second dot point, delete the words “Regular bi annual meetings of community representatives” and replace with “A Community Consultative Committee”.
- v) Under the heading “Visual Amenity” in the 4<sup>th</sup> dot point delete the word “Rehabilitation” and replace with “Landscape Management”.
- w) Under the heading “Visual Amenity” delete the 9<sup>th</sup> dot point.
- x) Under the heading “Waste Management” delete the 8<sup>th</sup> dot point.
- y) Under the heading “Waste Management” in the now 10<sup>th</sup> dot point, ○ delete the word “waste” where first occurring;
- after the word “licences” where first occurring insert the words “for waste contractors”;
  - delete the word “and” where first occurring’
  - after the word “reviewed” insert the words “to ensure appropriate licences are held”
  - delete the words “terms and conditions for compliance monitored”
- z) Under the heading “Emergency Response” in the 6<sup>th</sup> dot point after the words “clearly labelled” insert the words “in accordance with relevant work health safety requirements”.
- aa) Under the heading “Emergency Response” in the 7<sup>th</sup> dot point after the words “reviewed and” insert the following “, if required,”.
- bb) Under the heading “Hazard, Risk and Safety” delete the first and second dot points and replace it with the following:
- All hazardous, dangerous and flammable materials will be used, stored and recorded in accordance with the relevant workplace health and safety requirements and regulations.
- cc) Under the heading “Hazard, Risk and Safety” in the second dot point delete the word “Material” where first occurring.
- dd) Under the heading “Hazard, Risk and Safety” delete the 4<sup>th</sup>, 5<sup>th</sup> and 9<sup>th</sup> dot points.
-

# **ATTACHMENT 3**

## **EPA LICENCE ANNUAL RETURN**

## A. Statement of Compliance - Licence Details

ALL Licence holders must check that the Licence details in Section A are correct.

If there are changes to any of these details, you must advise Environment Protection Authority (EPA) and apply as soon as possible for a variation to your Licence or for a Licence transfer.

Licence variation and transfer application forms are available on the EPA website at: <http://www.epa.nsw.gov.au/licensing-and-regulation/licensing> or from regional offices of the EPA, or by contacting by telephone 02 9995 5700.

If you are applying to vary or transfer your Licence, you must still complete and submit this Annual Return.

### A1. Licence holder

Licence number : 3407  
Licence holder : PF FORMATION PTY LTD  
Trading name (if applicable) :  
ABN : 30 003 178 318  
ACN : 003 178 318  
Reporting period : From: 30-9-2020 To: 29-9-2021

### A2. Premises to which Licence Applies (if applicable)

Common name (if any) : PF Formation Pty Ltd  
Premises : 1774 WISEMANS FERRY ROAD MAROOOTA 2756 NSW

### A3. Activities to which Licence Applies

Extractive activities

### A4. Other Activities (if applicable)

Concrete Works

### A5. Fee-Based Activity Classifications

Note that the fee based activity classification is used to calculate the administrative fee.

| Fee-based activity             | Activity scale            | Unit of measure                                |
|--------------------------------|---------------------------|--|
| Land-based extractive activity | > 100,000.00 - 500,000.00 | T annual capacity to extract, process or store |

## A6. Assessable Pollutants (if applicable)

Note that the identification of assessable pollutants is used to calculate the **load-based fee**.  
The following assessable pollutants are identified for the fee-based activity classifications in the licence:

## B. Monitoring and Complaints Summary

### B1. Number of Pollution Complaints

| Pollution Complaint Category   | Complaints |
|--|------------|
| Air  | 0          |
| Water  | 0          |
| Noise  | 0          |
| Waste  | 0          |
| Other  | 0          |
| <b>Total complaints recorded by the licensee during the reporting period</b> | <b>0</b>   |

### B2. Concentration Monitoring Summary

For each concentration monitoring point identified in your licence, details are displayed below. If concentration monitoring is not required by your licence, **no data** will appear below.

If data was provided from an uploaded file, the file name will be displayed below instead of any data.

Note that this does not exclude the need to conduct appropriate concentration monitoring of assessable pollutants as required by load-based licensing (if applicable).

#### Monitoring Point 1

Dust monitoring, Dust gauge labelled "1- School" on the Map faxed to the EPA on 5 August 2002

| Pollutant                       | Unit of measure                  | No. of samples required | No. of samples collected and analysed | Lowest sample value | Mean of sample | Highest sample value |
|---------------------------------|----------------------------------|-------------------------|---------------------------------------|---------------------|----------------|----------------------|
| Particulates - Deposited Matter | grams per square metre per month | 12                      | 12                                    | 0.54                | 2.60           | 17.52                |

#### Monitoring Point 2

Dust monitoring, Dust gauge labelled 2 - intersection of Hitchcock and Wisemans Ferry Road

| Pollutant                       | Unit of measure                  | No. of samples required | No. of samples collected and analysed | Lowest sample value | Mean of sample | Highest sample value |
|---------------------------------|----------------------------------|-------------------------|---------------------------------------|---------------------|----------------|----------------------|
| Particulates - Deposited Matter | grams per square metre per month | 12                      | 12                                    | 0.72                | 1.41           | 2.63                 |

### Monitoring Point 3

Dust monitoring, Dust gauge labelled as "Jurds Paddock - 3 Por168" on the map faxed to the EPA on 5 August 2002

| Pollutant                       | Unit of measure                  | No. of samples required | No. of samples collected and analysed | Lowest sample value | Mean of sample | Highest sample value |
|---------------------------------|----------------------------------|-------------------------|---------------------------------------|---------------------|----------------|----------------------|
| Particulates - Deposited Matter | grams per square metre per month | 12                      | 12                                    | 0.80                | 2.10           | 3.68                 |

### B2 Concentration Monitoring Comments

Highest sample value at Monitoring Point 1 was recorded in August 21 and is attributed to slashing works observed in paddock where dust gauge is located.

### B3. Volume or Mass Monitoring Summary

For each volume or mass monitoring point identified in your licence, details are displayed below. If volume or mass monitoring is not required by your licence, **no data** will appear below. If data was provided from an uploaded file, the file name will be displayed below instead of any data. **Note** that this does not exclude the need to conduct appropriate volume or mass monitoring of assessable pollutants are required by load-based licensing (if applicable).

## C. Statement of Compliance - Licence Conditions

### C1. Compliance with Licence Conditions

|   |     |
|---|-----|
| Were all conditions of the licence complied with (including monitoring and reporting requirements)? | Yes |
|---|-----|

## D. Statement of Compliance - Load Based Fee Calculation





# Annual Return

PF FORMATION PTY LTD

Licence 3407

If you are not required to monitor assessable pollutants by your licence, no data will appear below.

If assessable pollutants have been identified on your licence, the following worksheets for each assessable pollutant will determine your load based fee for the licence fee period to which this Annual Return relates.

**Loads of assessable pollutants must be calculated using any of the methods provided in EPA's Load Calculation Protocol for the relevant activity.** A Load Calculation Protocol would have been already sent to you with your licence. If you require additional copies, you can download the Protocol from the EPA's website or you can contact us on telephone 02 9995 5700.

You are required to keep all records used to calculate licence fees for four years after the licence fee was paid or became payable, whichever is the later date.

## E. Statement of Compliance - Requirement to Prepare PIRMP

|   |           |     |
|---|-----------|-----|
| Have you prepared a Pollution Incident Response Management Plan (PIRMP) as required under section 153A of the Protection of the Environment Operations (POEO) Act 1997? |           | Yes |
| Is the PIRMP available at the premises?   |           | Yes |
| Is the PIRMP available in a prominent position on a publicly accessible website?  |           | Yes |
| Address of the web page where the PIRMP can be accessed ▼   |           |     |
| www.pfformation.com.au  |           |     |
| Has the PIRMP been tested?  |           | Yes |
| The PIRMP was last tested on  | 3-11-2021 |     |
| Has the PIRMP been updated?   |           | Yes |
| The PIRMP was last updated on   | 3-11-2021 |     |
| Number of times the PIRMP was activated in this reporting period?   |           | 0   |
| The PIRMP was activated on  |           |     |

## F. Statement of Compliance - Requirement to Publish Pollution Monitoring Data

|   |  |     |
|---|--|-----|
| Are there any conditions attached to your licence that require pollution monitoring to be undertaken as required under section 66(6) of the Protection of the Environment Operations (POEO) Act 1997? |  | Yes |
| Do you operate a website?   |  | Yes |
| Is the pollution monitoring data published on your website in accordance with the EPA's written requirements for publishing pollution monitoring data?  |  | Yes |
| Address of the web page where the pollution monitoring data can be accessed ▼   |  |     |
| www.pfformation.com.au  |  |     |

## G. Statement of Compliance - Environment Management System and Practices

|   |     |
|---|-----|
| Do you have an ISO 14001 certified Environmental Management System (EMS) OR any other system that EPA considers is equivalent to the accountability, procedures, documentation and record keeping requirements of an ISO 14001 certified EMS? | No  |
| Have you conducted an assessment of your activities and operations to identify the aspects that have a potential to cause environmental impacts and implemented operational controls to address these aspects?                                | Yes |
| Have you established and implemented an operational maintenance program, including preventative maintenance?  | Yes |
| Do you keep records of regular inspections and maintenance of plant and equipment?  | Yes |
| Do you conduct regular (at least yearly) environmental audits at the premises that are conducted by a competent and independent person?   | Yes |
| Have you undertaken an independent environmental audit covering documented environmental practices, procedures and systems in place during the annual return period?  | Yes |
| Have you established and implemented an environmental improvement or management plan?   | Yes |
| Do you train staff in environmental issues that may arise from your activities and operations at the premises and keep records of this?   | Yes |

## H. Signature and Certification

This Annual Return may only be signed by person(s) with legal authority to sign it as set out in following categories: an Individual, a Company, a Public authority or a Local council.

It is an offence under section 66 of the Protection of the Environment Operations Act 1997 to supply any information in this form that is false or misleading in a material respect, or to certify a statement that is false or misleading in a material respect. There is a maximum penalty of \$250,000 for a corporation and \$120,000 for an individual.

I/We

- declare that the information in the Monitoring and Complaints Summary in Section B of this Annual Return application is correct and not false or misleading in a material respect, and
- certify that the information in the Statement and Compliance in sections A, C, D, E, F, G and H and any other pages attached to Section C is correct and not false or misleading in a material respect.

# **ATTACHMENT 4**

## **VARIATION TO LICENCE NO. 3407**

# Licence Variation

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Licence - 3407



PF FORMATION PTY LTD  
ABN 30 003 178 318 ACN 003 178 318  
1774 WISEMANS FERRY ROAD  
MAROOTA NSW 2756

Attention: Josh Graham

Notice Number 1608406  
File Number EF18/45413  
Date 15-May-2021

## NOTICE OF VARIATION OF LICENCE NO. 3407

### BACKGROUND

- A. PF FORMATION PTY LTD ("the licensee") is the holder of Environment Protection Licence No. 3407 ("the licence") issued under the *Protection of the Environment Operations Act 1997* ("the Act"). The licence authorises the carrying out of activities at 1774 WISEMANS FERRY ROAD, MAROOTA, NSW, 2756 ("the premises").
- B. On 21 April 2021, in response to the licence review, the licensee advised that the premises name on the licence should be changed from Etra Pty Ltd to PF Formation Pty Ltd.
- C. On 26 April 2021, the licensee further advised that three listed Lot/DPs on the licence could be removed, as they do not form part of the licensed premises.
- D. This variation was instigated by the EPA as an outcome of the 2021 Licence Review.
- E. The EPA has considered matters under section 45 of the Act in issuing this licence variation including but not limited to:
  - any environmental impacts associated with the proposed variation;
  - taken into account the objective of the Act to protect the environment, reduce the risks to human health and prevent the degradation of the environment and improve the efficiency of administration of
  - the environment protection legislation.

### VARIATION OF LICENCE NO. 3407

1. By this notice the EPA varies licence No. 3407. The attached licence document contains all variations that are made to the licence by this notice.
2. The following variations have been made to the licence:

## Licence Variation

---



- Condition A2.1 Premises Details updated:  
from: Etra Pty Ltd  
to: PF Formation Pty Ltd; and

The following Lot and DP's were removed:

- Lot 1 DP 588936;
  - Lot 2 DP 703821; and
  - Lot 1 DP 595538.
- Condition A2.2 - Updated Map to reflect amended Lot and DP's.

A handwritten signature in cursive script, appearing to read 'Ruth Oowler', is positioned above the printed name.

**RUTH OWLER**  
**A/Unit Head**  
**Regulatory Operations Metro West**  
**Environment Protection Authority**  
(by Delegation)

### **INFORMATION ABOUT THIS NOTICE**

- This notice is issued under section 58(5) of the Act.
- Details provided in this notice, along with an updated version of the licence, will be available on the EPA's Public Register (<http://www.epa.nsw.gov.au/prpoeo/index.htm>) in accordance with section 308 of the Act.

### **Appeals against this decision**

- You can appeal to the Land and Environment Court against this decision. The deadline for lodging the appeal is 21 days after you were given notice of this decision.

### **When this notice begins to operate**

- The variations to the licence specified in this notice begin to operate immediately from the date of this notice, unless another date is specified in this notice.
- If an appeal is made against this decision to vary the licence and the Land and Environment Court directs that the decision is stayed the decision does not operate until the stay ceases to have effect or

## Licence Variation

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the Land and Environment Court confirms the decision or the appeal is withdrawn (whichever occurs first).

# Licence Variation Summary



Licence - 3407

This Summary serves merely to highlight changes made to areas of this licence. Changes made to tables within the licence are indicated using underline (for additions) and Strikethrough (for deletions). While changes to conditions are indicated under subheadings such as 'New condition', 'Old condition', 'Replaced by', and 'Removed condition'.

The attached licence document contains all the changes made to this licence by the attached variation notice.

## 1 Administrative Conditions

### Premises or plant to which this licence applies

PF FORMATION PTY LTD

1774 WISEMANS FERRY ROAD

MARROTA

NSW 2756

LOT 1 DP 34599, LOT 1 DP 223323, LOT 2 DP 233818, LOT 2 DP 555184, LOT 1 DP 570966, LOT 2 DP 570966, LOT 198 DP 752025, LOT 167 DP 752039, LOT 214 DP 752039, LOT 1 DP 1013943, LOT 1 DP 1063296, LOT 2 DP 1063296, LOT 1 DP 1091018

~~ETRA PTY LTD~~

~~WISEMANS FERRY ROAD~~

~~MARROTA~~

~~NSW 2756~~

~~LOT 1 DP 34599, LOT 1 DP 223323, LOT 2 DP 233818, LOT 2 DP 555184, LOT 1 DP 570966, LOT 2 DP 570966, LOT 1 DP 588936, LOT 1 DP 595538, LOT 2 DP 703821, LOT 198 DP 752025, LOT 167 DP 752039, LOT 214 DP 752039, LOT 1 DP 1013943, LOT 1 DP 1063296, LOT 2 DP 1063296, LOT 1 DP 1091018~~



# Environment Protection Licence

Licence - 3407

## Licence Details

|                   |              |
|-------------------|--------------|
| Number:           | 3407         |
| Anniversary Date: | 30-September |

## Licensee

PF FORMATION PTY LTD  
 1774 WISEMANS FERRY ROAD  
 MAROOKA NSW 2756

## Premises

PF FORMATION PTY LTD  
 1774 WISEMANS FERRY ROAD  
 MAROOKA NSW 2756

## Scheduled Activity

Extractive activities

## Fee Based Activity

## Scale

|                                |  |
|--------------------------------|--|
| Land-based extractive activity | > 100000-500000 T annual capacity to extract, process or store |
|--------------------------------|--|

## Contact Us

NSW EPA  
 4 Parramatta Square  
 12 Darcy Street  
 PARRAMATTA NSW 2150  
 Phone: 131 555  
 Email: [info@epa.nsw.gov.au](mailto:info@epa.nsw.gov.au)

Locked Bag 5022  
 PARRAMATTA NSW 2124





# Environment Protection Licence

Licence - 3407

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# **Environment Protection Licence**

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# Environment Protection Licence

Licence - 3407

## Information about this licence

### Dictionary

A definition of terms used in the licence can be found in the dictionary at the end of this licence.

### Responsibilities of licensee

Separate to the requirements of this licence, general obligations of licensees are set out in the Protection of the Environment Operations Act 1997 ("the Act") and the Regulations made under the Act. These include obligations to:

- ensure persons associated with you comply with this licence, as set out in section 64 of the Act;
- control the pollution of waters and the pollution of air (see for example sections 120 - 132 of the Act);
- report incidents causing or threatening material environmental harm to the environment, as set out in Part 5.7 of the Act.

### Variation of licence conditions

The licence holder can apply to vary the conditions of this licence. An application form for this purpose is available from the EPA.

The EPA may also vary the conditions of the licence at any time by written notice without an application being made.

Where a licence has been granted in relation to development which was assessed under the Environmental Planning and Assessment Act 1979 in accordance with the procedures applying to integrated development, the EPA may not impose conditions which are inconsistent with the development consent conditions until the licence is first reviewed under Part 3.6 of the Act.

### Duration of licence

This licence will remain in force until the licence is surrendered by the licence holder or until it is suspended or revoked by the EPA or the Minister. A licence may only be surrendered with the written approval of the EPA.

### Licence review

The Act requires that the EPA review your licence at least every 5 years after the issue of the licence, as set out in Part 3.6 and Schedule 5 of the Act. You will receive advance notice of the licence review.

### Fees and annual return to be sent to the EPA

For each licence fee period you must pay:

- an administrative fee; and
- a load-based fee (if applicable).



## **Environment Protection Licence**

Licence - 3407

The EPA publication "A Guide to Licensing" contains information about how to calculate your licence fees. The licence requires that an Annual Return, comprising a Statement of Compliance and a summary of any monitoring required by the licence (including the recording of complaints), be submitted to the EPA. The Annual Return must be submitted within 60 days after the end of each reporting period. See condition R1 regarding the Annual Return reporting requirements.

Usually the licence fee period is the same as the reporting period.

### **Transfer of licence**

The licence holder can apply to transfer the licence to another person. An application form for this purpose is available from the EPA.

### **Public register and access to monitoring data**

Part 9.5 of the Act requires the EPA to keep a public register of details and decisions of the EPA in relation to, for example:

- licence applications;
- licence conditions and variations;
- statements of compliance;
- load based licensing information; and
- load reduction agreements.

Under s320 of the Act application can be made to the EPA for access to monitoring data which has been submitted to the EPA by licensees.

### **This licence is issued to:**

|                                 |
|---------------------------------|
| <b>PF FORMATION PTY LTD</b>     |
| <b>1774 WISEMANS FERRY ROAD</b> |
| <b>MARROTA NSW 2756</b>         |

subject to the conditions which follow.



# Environment Protection Licence

Licence - 3407

## 1 Administrative Conditions

### A1 What the licence authorises and regulates

- A1.1 This licence authorises the carrying out of the scheduled activities listed below at the premises specified in A2. The activities are listed according to their scheduled activity classification, fee-based activity classification and the scale of the operation.

Unless otherwise further restricted by a condition of this licence, the scale at which the activity is carried out must not exceed the maximum scale specified in this condition.

| Scheduled Activity    | Fee Based Activity             | Scale  |
|-----------------------|--------------------------------|--|
| Extractive activities | Land-based extractive activity | > 100000 - 500000 T annual capacity to extract, process or store |

### A2 Premises or plant to which this licence applies

- A2.1 The licence applies to the following premises:

| Premises Details  |
|---|
| PF FORMATION PTY LTD  |
| 1774 WISEMANS FERRY ROAD  |
| MARROOTA  |
| NSW 2756  |
| LOT 1 DP 34599, LOT 1 DP 223323, LOT 2 DP 233818, LOT 2 DP 555184,<br>LOT 1 DP 570966, LOT 2 DP 570966, LOT 198 DP 752025, LOT 167 DP<br>752039, LOT 214 DP 752039, LOT 1 DP 1013943, LOT 1 DP 1063296, LOT 2<br>DP 1063296, LOT 1 DP 1091018 |

- A2.2 The premises location is shown on the map below.

# Environment Protection Licence

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### A3 Other activities

A3.1 This licence applies to all other activities carried on at the premises, including:

| Ancillary Activity |
|--------------------|
| Concrete Works     |

### A4 Information supplied to the EPA

A4.1 Works and activities must be carried out in accordance with the proposal contained in the licence application, except as expressly provided by a condition of this licence.

In this condition the reference to "the licence application" includes a reference to:

- a) the applications for any licences (including former pollution control approvals) which this licence replaces under the Protection of the Environment Operations (Savings and Transitional) Regulation 1998; and
- b) the licence information form provided by the licensee to the EPA to assist the EPA in connection with the issuing of this licence.

## 2 Discharges to Air and Water and Applications to Land

### P1 Location of monitoring/discharge points and areas

P1.1 The following points referred to in the table below are identified in this licence for the purposes of monitoring and/or the setting of limits for the emission of pollutants to the air from the point.

*Air*





# Environment Protection Licence

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| EPA identification no. | Type of Monitoring Point | Type of Discharge Point | Location Description   |
|------------------------|--------------------------|-------------------------|--|
| 1                      | Dust monitoring          |                         | Dust gauge labelled "1- School" on the Map faxed to the EPA on 5 August 2002                   |
| 2                      | Dust monitoring          |                         | Dust gauge labelled 2 - intersection of Hitchcock and Wisemans Ferry Road                      |
| 3                      | Dust monitoring          |                         | Dust gauge labelled as "Jurds Paddock - 3 Por168" on the map faxed to the EPA on 5 August 2002 |

- P1.2 The following utilisation areas referred to in the table below are identified in this licence for the purposes of the monitoring and/or the setting of limits for any application of solids or liquids to the utilisation area.

## 3 Limit Conditions

### L1 Pollution of waters

- L1.1 Except as may be expressly provided in any other condition of this licence, the licensee must comply with section 120 of the Protection of the Environment Operations Act 1997.

### L2 Waste

- L2.1 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 the licence.
- L2.2 This condition only applies to the storage, treatment, processing, reprocessing or disposal of waste at the premises if those activities require an environment protection licence.

### L3 Noise limits

- L3.1 Noise generated at the premises must not exceed the noise limits presented in the table below. Note that the noise limits represent the noise contribution from the activity on the premise.

| Location              | Day             | Night           | Night         |
|-----------------------|-----------------|-----------------|---------------|
|                       | LAeq(15 minute) | LAeq(15 minute) | LA1(1 minute) |
| Maroota Public School | 40              | NA              | NA            |
| Pignataro             | 40              | 37              | 52            |
| Tornatola             | 39              | 38              | 52            |

Note: The Locations are as described in the *Maroota Sand Extraction Project Noise Impact Assessment Report 10-3138-R1, 13 April 2005*, for Lot 198 DP 752025 Old Northern Road, by Richard Heggie Associates Pty Ltd.



## **Environment Protection Licence**

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L3.2 For the purposes of condition L2.1:

- a) Day is defined as the period from 7am to 6pm Monday to Saturday and 8am to 6pm Sundays and Public holidays.
- b) Evening is defined as the period 6pm to 10pm.
- c) Night is defined as the period from 10pm to 7am Monday to Saturday and 10pm to 8am Sundays and Public Holidays.

L3.3 Noise from the premises is to be measured at the most affected point or within the residential boundary or at the most affected point within 30m of the dwelling (rural situations) where the dwelling is more than 30m from the boundary to determine compliance with the noise LAeq,(15min) limits in condition L2.1.

Noise from the premises is to be measured at 1m from the dwelling façade to determine compliance with the LA1(1 minute) noise limits in condition L2.1.

Where it can be demonstrated that direct measurement of noise from the premises is impractical, the EPA may accept alternative means of determining compliance. See Chapter 11 of the NSW Industrial Noise Policy.

The modification factors presented in Section 4 of the NSW Industrial Noise Policy shall also be applied to the measured noise levels where applicable.

### **Definition**

LAeq(15 minute) represents the equivalent continuous noise level- the level of noise equivalent to energy average of noise levels of the source when measured over a 15 minute period.

LA1(1 minute) represents sound pressure level that is exceeded for 1% of the time over a 1 minute measurement period.

Where A-weighting is an adjustment made to sound pressure level measurements to approximate the response of the human ear.

Note:

#### **Noise measurement**

For the purpose of noise measurements required for this condition, the LAeq(15 minute) noise level must be measured or computed at any point specified in L2.3 over a period of 15 minutes using "FAST" response on the sound level meter.

*For the purpose of the noise criteria for this condition, 5dBA must be added to the measured level if the noise is substantially tonal or impulsive in character. The location or point of impact can be different for each development, for example, at the closest residential receiver or at the closest boundary of the development. Measurement locations can be:*

- a) 1 metre from the facade of the residence for night time assessment.
- b) At the residential boundary.
- c) 30 metres from the residence (rural situations) where the boundary is more than 30 metres from residence.

L3.4

The noise emission limits identified in L2.1 apply for prevailing meteorological conditions (winds up to 3m/s at 10 metres above ground level), temperature inversion conditions of up to 3°C/100m and wind





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speed up to 2m/s at 10 metres above the ground. Noise impacts that may be enhanced by temperature inversions must be addressed by:

- a) Documenting noise complaints received to identify any higher level of impacts or patterns of temperature inversions.
- b) Where levels of noise complaints indicate a higher level of impact then actions to quantify and ameliorate any enhanced impacts under temperature inversion conditions should be developed and implemented.

- L3.5 The proponent shall prepare and implement a Noise Management Plan (NMP). The NMP must include but need not be limited to:
- a) The primary objective of minimising noise emissions from the premises.
  - b) A system that allows for periodic assessment of Best Management Practice (BMP) and Best Available Technology Economically Achievable (BATEA) to minimise noise emissions at all times and to seek achieving noise contributions not exceeding the Project Specific Noise Levels at all receiver locations.
  - c) Measures to monitor noise performance and respond to complaints.

## L4 Hours of operation

- L4.1 Activities covered by this licence must only be carried out between the hours of 0600 and 1800 Monday to Friday, and 0600 and 1800 Saturday, and at no time on Sundays and Public Holidays.

## L5 Potentially offensive odour

- L5.1 The licensee must not cause or permit the emission of offensive odour beyond the boundary of the premises.

Note: Section 129 of the Protection of the Environment Operations Act 1997, provides that the licensee must not cause or permit the emission of any offensive odour from the premises but provides a defence if the emission is identified in the relevant environment protection licence as a potentially offensive odour and the odour was emitted in accordance with the conditions of a licence directed at minimising odour.

## 4 Operating Conditions

### O1 Activities must be carried out in a competent manner

- O1.1 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.

### O2 Maintenance of plant and equipment

- O2.1 All plant and equipment installed at the premises or used in connection with the licensed activity:



## **Environment Protection Licence**

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

### **O3 Dust**

- O3.1 The premises must be maintained in a condition which minimises or prevents the emission of dust from the premises.
- O3.2 All loaded trucks entering or leaving the premises must have their loads covered.

### **O4 Other operating conditions**

- O4.1 The licensee must prevent any tracking of mud on to public roads by vehicles leaving the premises.

## **5 Monitoring and Recording Conditions**

### **M1 Monitoring records**

- M1.1 The results of any monitoring required to be conducted by this licence or a load calculation protocol must be recorded and retained as set out in this condition.
- M1.2 All records required to be kept by this licence must be:
  - a) in a legible form, or in a form that can readily be reduced to a legible form;
  - b) kept for at least 4 years after the monitoring or event to which they relate took place; and
  - c) 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 for the purposes of this licence:
  - a) the date(s) on which the sample was taken;
  - b) the time(s) at which the sample was collected;
  - c) the point at which the sample was taken; and
  - d) the name of the person who collected the sample.

### **M2 Requirement to monitor concentration of pollutants discharged**

- M2.1 For each monitoring/discharge point or utilisation area specified below (by a point number), the licensee must monitor (by sampling and obtaining results by analysis) the concentration of each pollutant specified in Column 1. The licensee must use the sampling method, units of measure, and sample at the frequency, specified opposite in the other columns:
- M2.2 Air Monitoring Requirements

POINT 1



# Environment Protection Licence

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| Pollutant                       | Units of measure                 | Frequency | Sampling Method |
|---------------------------------|----------------------------------|-----------|-----------------|
| Particulates - Deposited Matter | grams per square metre per month | Monthly   | AM-19           |

**POINT 2**

| Pollutant                       | Units of measure                 | Frequency | Sampling Method |
|---------------------------------|----------------------------------|-----------|-----------------|
| Particulates - Deposited Matter | grams per square metre per month | Monthly   | AM-19           |

**POINT 3**

| Pollutant                       | Units of measure                 | Frequency | Sampling Method |
|---------------------------------|----------------------------------|-----------|-----------------|
| Particulates - Deposited Matter | grams per square metre per month | Monthly   | AM-19           |

**M3 Testing methods - concentration limits**

- M3.1 Monitoring for the concentration of a pollutant emitted to the air required to be conducted by this licence must be done in accordance with:
- any methodology which is required by or under the Act to be used for the testing of the concentration of the pollutant; or
  - if no such requirement is imposed by or under the Act, any methodology which a condition of this licence requires to be used for that testing; or
  - if no such requirement is imposed by or under the Act or by a condition of this licence, any methodology approved in writing by the EPA for the purposes of that testing prior to the testing taking place.

Note: The *Protection of the Environment Operations (Clean Air) Regulation 2010* requires testing for certain purposes to be conducted in accordance with test methods contained in the publication "Approved Methods for the Sampling and Analysis of Air Pollutants in NSW".

**M4 Recording of pollution complaints**

- M4.1 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.
- M4.2 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;
  - the action taken by the licensee in relation to the complaint, including any follow-up contact with the



## **Environment Protection Licence**

Licence - 3407

- complainant; and
- f) if no action was taken by the licensee, the reasons why no action was taken.

M4.3 The record of a complaint must be kept for at least 4 years after the complaint was made.

M4.4 The record must be produced to any authorised officer of the EPA who asks to see them.

### **M5 Telephone complaints line**

M5.1 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.

M5.2 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.

M5.3 The preceding two conditions do not apply until 3 months after: the date of the issue of this licence.

## **6 Reporting Conditions**

### **R1 Annual return documents**

R1.1 The licensee must complete and supply to the EPA an Annual Return in the approved form comprising:

1. a Statement of Compliance,
2. a Monitoring and Complaints Summary,
3. a Statement of Compliance - Licence Conditions,
4. a Statement of Compliance - Load based Fee,
5. a Statement of Compliance - Requirement to Prepare Pollution Incident Response Management Plan,
6. a Statement of Compliance - Requirement to Publish Pollution Monitoring Data; and
7. a Statement of Compliance - Environmental Management Systems and Practices.

At the end of each reporting period, the EPA will provide to the licensee notification that the Annual Return is due.

R1.2 An Annual Return must be prepared in respect of each reporting period, except as provided below.

R1.3 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.

R1.4 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





## **Environment Protection Licence**

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ending on:

- 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.

- R1.5 The Annual Return for the reporting period must be supplied to the EPA via eConnect *EPA* or 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').
- R1.6 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.
- R1.7 Within the Annual Return, the Statements 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.

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.

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

### **R2 Notification of environmental harm**

- R2.1 Notifications must be made by telephoning the Environment Line service on 131 555.
- R2.2 The licensee must provide written details of the notification to the EPA within 7 days of the date on which the incident occurred.

Note: The licensee or its employees must notify all relevant authorities 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.

### **R3 Written report**

- R3.1 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.
- R3.2 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.
- R3.3 The request may require a report which includes any or all of the following information:
  - 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;



## **Environment Protection Licence**

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Licence - 3407

- 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;
- 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;
- f) details of any measure taken or proposed to be taken to prevent or mitigate against a recurrence of such an event; and
- g) any other relevant matters.

R3.4 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.

### **7 General Conditions**

#### **G1 Copy of licence kept at the premises or plant**

- G1.1 A copy of this licence must be kept at the premises to which the licence applies.
- G1.2 The licence must be produced to any authorised officer of the EPA who asks to see it.
- G1.3 The licence must be available for inspection by any employee or agent of the licensee working at the premises.



# Environment Protection Licence

Licence - 3407

## Dictionary

### General Dictionary

|  |  |
|--|--|
| <b>3DGM [in relation to a concentration limit]</b> | Means the three day geometric mean, which is calculated by multiplying the results of the analysis of three samples collected on consecutive days and then taking the cubed root of that amount. Where one or more of the samples is zero or below the detection limit for the analysis, then 1 or the detection limit respectively should be used in place of those samples |
| <b>Act</b>   | Means the Protection of the Environment Operations Act 1997  |
| <b>activity</b>                                    | Means a scheduled or non-scheduled activity within the meaning of the Protection of the Environment Operations Act 1997  |
| <b>actual load</b>                                 | Has the same meaning as in the Protection of the Environment Operations (General) Regulation 2009  |
| <b>AM</b>  | Together with a number, means an ambient air monitoring method of that number prescribed by the <i>Approved Methods for the Sampling and Analysis of Air Pollutants in New South Wales</i> .   |
| <b>AMG</b>   | Australian Map Grid  |
| <b>anniversary date</b>                            | The anniversary date is the anniversary each year of the date of issue of the licence. In the case of a licence continued in force by the Protection of the Environment Operations Act 1997, the date of issue of the licence is the first anniversary of the date of issue or last renewal of the licence following the commencement of the Act.                            |
| <b>annual return</b>                               | Is defined in R1.1   |
| <b>Approved Methods Publication</b>                | Has the same meaning as in the Protection of the Environment Operations (General) Regulation 2009  |
| <b>assessable pollutants</b>                       | Has the same meaning as in the Protection of the Environment Operations (General) Regulation 2009  |
| <b>BOD</b>   | Means biochemical oxygen demand  |
| <b>CEM</b>   | Together with a number, means a continuous emission monitoring method of that number prescribed by the <i>Approved Methods for the Sampling and Analysis of Air Pollutants in New South Wales</i> .  |
| <b>COD</b>   | Means chemical oxygen demand   |
| <b>composite sample</b>                            | Unless otherwise specifically approved in writing by the EPA, a sample consisting of 24 individual samples collected at hourly intervals and each having an equivalent volume.   |
| <b>cond.</b>                                       | Means conductivity   |
| <b>environment</b>                                 | Has the same meaning as in the Protection of the Environment Operations Act 1997   |
| <b>environment protection legislation</b>          | Has the same meaning as in the Protection of the Environment Administration Act 1991   |
| <b>EPA</b>   | Means Environment Protection Authority of New South Wales.   |
| <b>fee-based activity classification</b>           | Means the numbered short descriptions in Schedule 1 of the Protection of the Environment Operations (General) Regulation 2009.   |
| <b>general solid waste (non-putrescible)</b>       | Has the same meaning as in Part 3 of Schedule 1 of the Protection of the Environment Operations Act 1997   |



# Environment Protection Licence

Licence - 3407

|  |  |
|--|--|
| <b>flow weighted composite sample</b>                                | Means a sample whose composites are sized in proportion to the flow at each composites time of collection.   |
| <b>general solid waste (putrescible)</b>                             | Has the same meaning as in Part 3 of Schedule 1 of the Protection of the Environment Operations Act 1997   |
| <b>grab sample</b>   | Means a single sample taken at a point at a single time  |
| <b>hazardous waste</b>   | Has the same meaning as in Part 3 of Schedule 1 of the Protection of the Environment Operations Act 1997   |
| <b>licensee</b>  | Means the licence holder described at the front of this licence  |
| <b>load calculation protocol</b>                                     | Has the same meaning as in the Protection of the Environment Operations (General) Regulation 2009  |
| <b>local authority</b>   | Has the same meaning as in the Protection of the Environment Operations Act 1997   |
| <b>material harm</b>   | Has the same meaning as in section 147 Protection of the Environment Operations Act 1997   |
| <b>MBAS</b>  | Means methylene blue active substances   |
| <b>Minister</b>  | Means the Minister administering the Protection of the Environment Operations Act 1997   |
| <b>mobile plant</b>  | Has the same meaning as in Part 3 of Schedule 1 of the Protection of the Environment Operations Act 1997   |
| <b>motor vehicle</b>   | Has the same meaning as in the Protection of the Environment Operations Act 1997   |
| <b>O&amp;G</b>   | Means oil and grease   |
| <b>percentile [in relation to a concentration limit of a sample]</b> | Means that percentage [eg.50%] of the number of samples taken that must meet the concentration limit specified in the licence for that pollutant over a specified period of time. In this licence, the specified period of time is the Reporting Period unless otherwise stated in this licence.   |
| <b>plant</b>   | Includes all plant within the meaning of the Protection of the Environment Operations Act 1997 as well as motor vehicles.  |
| <b>pollution of waters [or water pollution]</b>                      | Has the same meaning as in the Protection of the Environment Operations Act 1997   |
| <b>premises</b>  | Means the premises described in condition A2.1   |
| <b>public authority</b>  | Has the same meaning as in the Protection of the Environment Operations Act 1997   |
| <b>regional office</b>   | Means the relevant EPA office referred to in the Contacting the EPA document accompanying this licence   |
| <b>reporting period</b>  | For the purposes of this licence, the reporting period means the period of 12 months after the issue of the licence, and each subsequent period of 12 months. In the case of a licence continued in force by the Protection of the Environment Operations Act 1997, the date of issue of the licence is the first anniversary of the date of issue or last renewal of the licence following the commencement of the Act. |
| <b>restricted solid waste</b>  | Has the same meaning as in Part 3 of Schedule 1 of the Protection of the Environment Operations Act 1997   |
| <b>scheduled activity</b>  | Means an activity listed in Schedule 1 of the Protection of the Environment Operations Act 1997  |
| <b>special waste</b>   | Has the same meaning as in Part 3 of Schedule 1 of the Protection of the Environment Operations Act 1997   |
| <b>TM</b>  | Together with a number, means a test method of that number prescribed by the <i>Approved Methods for the Sampling and Analysis of Air Pollutants in New South Wales</i> .  |





## Environment Protection Licence

Licence - 3407

|                         |   |
|-------------------------|---|
| <b>TSP</b>              | Means total suspended particles   |
| <b>TSS</b>              | Means total suspended solids  |
| <b>Type 1 substance</b> | Means the elements antimony, arsenic, cadmium, lead or mercury or any compound containing one or more of those elements                               |
| <b>Type 2 substance</b> | Means the elements beryllium, chromium, cobalt, manganese, nickel, selenium, tin or vanadium or any compound containing one or more of those elements |
| <b>utilisation area</b> | Means any area shown as a utilisation area on a map submitted with the application for this licence   |
| <b>waste</b>            | Has the same meaning as in the Protection of the Environment Operations Act 1997  |
| <b>waste type</b>       | Means liquid, restricted solid waste, general solid waste (putrescible), general solid waste (non-putrescible), special waste or hazardous waste      |

Mr Nigel Sargent

Environment Protection Authority

(By Delegation)

Date of this edition: 18-November-1999



# Environment Protection Licence

Licence - 3407

| End Notes |  |
|-----------|--|
| 1         | Licence varied by notice V/M Upgrade, issued on 06-Jul-2000, which came into effect on 06-Jul-2000.              |
| 2         | Licence varied by notice 1007929, issued on 02-Jul-2001, which came into effect on 27-Jul-2001.                  |
| 3         | Licence varied by notice 1010310, issued on 23-Aug-2002, which came into effect on 17-Sep-2002.                  |
| 4         | Licence varied by notice 1024315, issued on 16-Jan-2003, which came into effect on 10-Feb-2003.                  |
| 5         | Licence varied by notice 1076205, issued on 29-Feb-2008, which came into effect on 29-Feb-2008.                  |
| 6         | Licence varied by Change to Schedule 1 , issued on 02-May-2008, which came into effect on 02-May-2008.           |
| 7         | Condition A1.3 Not applicable varied by notice issued on <issue date> which came into effect on <effective date> |
| 8         | Licence varied by notice 1099065, issued on 18-May-2009, which came into effect on 18-May-2009.                  |
| 9         | Licence varied by notice 1111706, issued on 31-Mar-2010, which came into effect on 31-Mar-2010.                  |
| 10        | Licence varied by notice 1124599, issued on 08-Feb-2011, which came into effect on 08-Feb-2011.                  |
| 11        | Licence varied by notice 1527553 issued on 16-Feb-2015   |
| 12        | Licence transferred through application 1571428 approved on 30-Oct-2018 , which came into effect on 30-Oct-2018  |

# **ATTACHMENT 5**

## **MONTHLY ENVIRONMENTAL OPERATIONAL PROCEDURES CHECKLIST**

**PF FORMATION – ENVIRONMENTAL OPERATIONAL PROCEDURES**

**Hitchcock Road Sand Extraction and Rehabilitation Project, Maroota**

*The chapter, page number and strategy point number are references to the approved Environmental Strategy Appendix A – Environmental Operational Procedures.*

| <u>CHAPTER</u><br>Page No.                                       | <u>STRATEGY</u><br>Point No. | <u>MANAGEMENT CONTROLS</u>                       | <u>STATUS</u><br>✓ or ✗ | <u>COMPLAINTS</u><br>RECEIVED | <u>COMMENTS</u>  |
|--|------------------------------|--|-------------------------|-------------------------------|--|
| <u>A2</u><br>33-35   | 2.1                          | Noise Management                                 | ✓                       | Nil                           |  |
| <u>A3</u><br>36-39   | 3.1, 3.2                     | Air Quality Management                           | ✓                       | Nil                           | Deposited dust results for July 2021 showed low levels at all locations. |
| <u>A4</u><br>40-41   | 4.1                          | Access and Traffic                               | ✓                       | Nil                           | Truck movements were not exceeded. Weighbridge records were reviewed.    |
| <u>A5</u><br>42-45   | 5.1, 5.2, 5.3                | Erosion & Sediment Control                       | ✓                       | Nil                           |  |
| <u>A6</u><br>46-49   | 6.1                          | Water Management                                 | ✓                       | Nil                           |  |
| <u>A7</u><br>50-54   | 7.1, 7.2                     | Rehabilitation &<br>Vegetation Offset Management | ✓                       | Nil                           | Rehabilitation work undertaken. Weed removal and habitat enhancement.    |
| <u>A8</u><br>55-56   | 8.1                          | Social Impact Management                         | ✓                       | Nil                           |  |
| <u>A9</u><br>57-58   | 9.1                          | Heritage Management                              | ✓                       | Nil                           |  |
| <u>A10</u><br>59-61  | 10.1                         | Visual Amenity Management                        | ✓                       | Nil                           |  |
| <u>A11</u><br>62-64  | 11.1                         | Waste Management                                 | ✓                       | Nil                           |  |
| <u>A12</u><br>65-66  | 12.1                         | Emergency Response Management                    | ✓                       | Nil                           |  |
| <u>A13</u><br>67-71  | 13.1, 13.2                   | Hazard, Risk and Safety Management               | ✓                       | Nil                           |  |
| Completed by Environmental Contractor (South East Environmental) |                              |  |                         | Signed: <i>Melissa Mass</i>   | Date: 31/7/2021  |

**PF FORMATION – ENVIRONMENTAL OPERATIONAL PROCEDURES**  
**Hitchcock Road Sand Extraction and Rehabilitation Project, Maroota**

*The chapter, page number and strategy point number are references to the approved Environmental Strategy Appendix A – Environmental Operational Procedures.*

| <u>CHAPTER</u><br>Page No.                                       | <u>STRATEGY</u><br>Point No. | <u>MANAGEMENT CONTROLS</u>                       | <u>STATUS</u><br>✓ or ✗ | <u>COMPLAINTS</u><br>RECEIVED | <u>COMMENTS</u>   |
|--|------------------------------|--|-------------------------|-------------------------------|---|
| <u>A2</u><br>33-35   | 2.1                          | Noise Management                                 | ✓                       | Nil                           |   |
| <u>A3</u><br>36-39   | 3.1, 3.2                     | Air Quality Management                           | ✓                       | Nil                           | Deposited dust results for August 2021 showed high levels at Maroota Primary School. The TEOM managed by Dixon Sand showed this spike occurred on a Sunday when all local quarries were closed. Low levels recorded at all other locations. |
| <u>A4</u><br>40-41   | 4.1                          | Access and Traffic                               | ✓                       | Nil                           | Truck movements were not exceeded. Weighbridge records were reviewed.   |
| <u>A5</u><br>42-45   | 5.1, 5.2, 5.3                | Erosion & Sediment Control                       | ✓                       | Nil                           |   |
| <u>A6</u><br>46-49   | 6.1                          | Water Management                                 | ✓                       | Nil                           |   |
| <u>A7</u><br>50-54   | 7.1, 7.2                     | Rehabilitation &<br>Vegetation Offset Management | ✓                       | Nil                           | Rehabilitation work undertaken. Weed removal and habitat enhancement.   |
| <u>A8</u><br>55-56   | 8.1                          | Social Impact Management                         | ✓                       | Nil                           |   |
| <u>A9</u><br>57-58   | 9.1                          | Heritage Management                              | ✓                       | Nil                           |   |
| <u>A10</u><br>59-61  | 10.1                         | Visual Amenity Management                        | ✓                       | Nil                           |   |
| <u>A11</u><br>62-64  | 11.1                         | Waste Management                                 | ✓                       | Nil                           |   |
| <u>A12</u><br>65-66  | 12.1                         | Emergency Response Management                    | ✓                       | Nil                           |   |
| <u>A13</u><br>67-71  | 13.1, 13.2                   | Hazard, Risk and Safety Management               | ✓                       | Nil                           |   |
| Completed by Environmental Contractor (South East Environmental) |                              |  |                         | Signed: <i>Melissa Mass</i>   | Date: 31/8/2021   |

**PF FORMATION – ENVIRONMENTAL OPERATIONAL PROCEDURES**

**Hitchcock Road Sand Extraction and Rehabilitation Project, Maroota**

*The chapter, page number and strategy point number are references to the approved Environmental Strategy Appendix A – Environmental Operational Procedures.*

| <b>CHAPTER</b><br>Page No.                                       | <b>STRATEGY</b><br>Point No. | <b>MANAGEMENT CONTROLS</b>                       | <b>STATUS</b><br>✓ or ✗ | <b>COMPLAINTS</b><br>RECEIVED               | <b>COMMENTS</b>   |
|--|------------------------------|--|-------------------------|---|---|
| <u>A2</u><br>33-35   | 2.1                          | Noise Management                                 | ✓                       | Nil   |   |
| <u>A3</u><br>36-39   | 3.1, 3.2                     | Air Quality Management                           | ✓                       | Nil   | Deposited dust results for September 2021 showed low levels at all locations. |
| <u>A4</u><br>40-41   | 4.1                          | Access and Traffic                               | ✓                       | Nil   | Truck movements were not exceeded. Weighbridge records were reviewed.         |
| <u>A5</u><br>42-45   | 5.1, 5.2, 5.3                | Erosion & Sediment Control                       | ✓                       | Nil   |   |
| <u>A6</u><br>46-49   | 6.1                          | Water Management                                 | ✓                       | Nil   |   |
| <u>A7</u><br>50-54   | 7.1, 7.2                     | Rehabilitation &<br>Vegetation Offset Management | ✓                       | Nil   | Rehabilitation work undertaken. Weed removal and habitat enhancement.         |
| <u>A8</u><br>55-56   | 8.1                          | Social Impact Management                         | ✓                       | Nil   |   |
| <u>A9</u><br>57-58   | 9.1                          | Heritage Management                              | ✓                       | Nil   |   |
| <u>A10</u><br>59-61  | 10.1                         | Visual Amenity Management                        | ✓                       | Nil   |   |
| <u>A11</u><br>62-64  | 11.1                         | Waste Management                                 | ✓                       | Nil   |   |
| <u>A12</u><br>65-66  | 12.1                         | Emergency Response Management                    | ✓                       | Nil   |   |
| <u>A13</u><br>67-71  | 13.1, 13.2                   | Hazard, Risk and Safety Management               | ✓                       | Nil   |   |
| Completed by Environmental Contractor (South East Environmental) |                              |  |                         | Signed: <i>Melissa Mass</i> Date: 30/9/2021 |   |

**PF FORMATION – ENVIRONMENTAL OPERATIONAL PROCEDURES**

**Hitchcock Road Sand Extraction and Rehabilitation Project, Maroota**

*The chapter, page number and strategy point number are references to the approved Environmental Strategy Appendix A – Environmental Operational Procedures.*

| <b>CHAPTER<br/>Page No.</b>                                      | <b>STRATEGY<br/>Point No.</b> | <b>MANAGEMENT CONTROLS</b>                       | <b>STATUS<br/>✓ or ✗</b> | <b>COMPLAINTS<br/>RECEIVED</b>               | <b>COMMENTS</b>   |
|--|-------------------------------|--|--------------------------|--|---|
| <u>A2</u><br>33-35   | 2.1                           | Noise Management                                 | ✓                        | Nil  |   |
| <u>A3</u><br>36-39   | 3.1, 3.2                      | Air Quality Management                           | ✓                        | Nil  | Deposited dust results for October 2021 showed low levels at all locations. |
| <u>A4</u><br>40-41   | 4.1                           | Access and Traffic                               | ✓                        | Nil  | Truck movements were not exceeded. Weighbridge records were reviewed.       |
| <u>A5</u><br>42-45   | 5.1, 5.2, 5.3                 | Erosion & Sediment Control                       | ✓                        | Nil  |   |
| <u>A6</u><br>46-49   | 6.1                           | Water Management                                 | ✓                        | Nil  |   |
| <u>A7</u><br>50-54   | 7.1, 7.2                      | Rehabilitation &<br>Vegetation Offset Management | ✓                        | Nil  | Rehabilitation work undertaken. Weed removal and habitat enhancement.       |
| <u>A8</u><br>55-56   | 8.1                           | Social Impact Management                         | ✓                        | Nil  |   |
| <u>A9</u><br>57-58   | 9.1                           | Heritage Management                              | ✓                        | Nil  |   |
| <u>A10</u><br>59-61  | 10.1                          | Visual Amenity Management                        | ✓                        | Nil  |   |
| <u>A11</u><br>62-64  | 11.1                          | Waste Management                                 | ✓                        | Nil  |   |
| <u>A12</u><br>65-66  | 12.1                          | Emergency Response Management                    | ✓                        | Nil  |   |
| <u>A13</u><br>67-71  | 13.1, 13.2                    | Hazard, Risk and Safety Management               | ✓                        | Nil  |   |
| Completed by Environmental Contractor (South East Environmental) |                               |  |                          | Signed: <i>Melissa Mass</i> Date: 31/10/2021 |   |

**PF FORMATION – ENVIRONMENTAL OPERATIONAL PROCEDURES**

**Hitchcock Road Sand Extraction and Rehabilitation Project, Maroota**

*The chapter, page number and strategy point number are references to the approved Environmental Strategy Appendix A – Environmental Operational Procedures.*

| <b>CHAPTER<br/>Page No.</b>                                      | <b>STRATEGY<br/>Point No.</b> | <b>MANAGEMENT CONTROLS</b>                       | <b>STATUS<br/>✓ or ✗</b> | <b>COMPLAINTS<br/>RECEIVED</b> | <b>COMMENTS</b>  |
|--|-------------------------------|--|--------------------------|--------------------------------|--|
| <u>A2</u><br>33-35   | 2.1                           | Noise Management                                 | ✓                        | Nil                            |  |
| <u>A3</u><br>36-39   | 3.1, 3.2                      | Air Quality Management                           | ✓                        | Nil                            | Deposited dust results for November 2021 showed low levels at all locations. |
| <u>A4</u><br>40-41   | 4.1                           | Access and Traffic                               | ✓                        | Nil                            | Truck movements were not exceeded. Weighbridge records were reviewed.        |
| <u>A5</u><br>42-45   | 5.1, 5.2, 5.3                 | Erosion & Sediment Control                       | ✓                        | Nil                            |  |
| <u>A6</u><br>46-49   | 6.1                           | Water Management                                 | ✓                        | Nil                            |  |
| <u>A7</u><br>50-54   | 7.1, 7.2                      | Rehabilitation &<br>Vegetation Offset Management | ✓                        | Nil                            | Rehabilitation work undertaken. Weed removal and habitat enhancement.        |
| <u>A8</u><br>55-56   | 8.1                           | Social Impact Management                         | ✓                        | Nil                            |  |
| <u>A9</u><br>57-58   | 9.1                           | Heritage Management                              | ✓                        | Nil                            |  |
| <u>A10</u><br>59-61  | 10.1                          | Visual Amenity Management                        | ✓                        | Nil                            |  |
| <u>A11</u><br>62-64  | 11.1                          | Waste Management                                 | ✓                        | Nil                            |  |
| <u>A12</u><br>65-66  | 12.1                          | Emergency Response Management                    | ✓                        | Nil                            |  |
| <u>A13</u><br>67-71  | 13.1, 13.2                    | Hazard, Risk and Safety Management               | ✓                        | Nil                            |  |
| Completed by Environmental Contractor (South East Environmental) |                               |  |                          | Signed: <i>Melissa Mass</i>    | Date: 30/11/2021   |



**PF FORMATION – ENVIRONMENTAL OPERATIONAL PROCEDURES**

**Hitchcock Road Sand Extraction and Rehabilitation Project, Maroota**

*The chapter, page number and strategy point number are references to the approved Environmental Strategy Appendix A – Environmental Operational Procedures.*

| <b>CHAPTER</b><br>Page No.                                       | <b>STRATEGY</b><br>Point No. | <b>MANAGEMENT CONTROLS</b>                       | <b>STATUS</b><br>✓ or ✗ | <b>COMPLAINTS</b><br>RECEIVED | <b>COMMENTS</b>  |
|--|------------------------------|--|-------------------------|-------------------------------|--|
| <u>A2</u><br>33-35   | 2.1                          | Noise Management                                 | ✓                       | Nil                           |  |
| <u>A3</u><br>36-39   | 3.1, 3.2                     | Air Quality Management                           | ✓                       | Nil                           | Deposited dust results for December 2021 showed low levels at all locations. |
| <u>A4</u><br>40-41   | 4.1                          | Access and Traffic                               | ✓                       | Nil                           | Truck movements were not exceeded. Weighbridge records were reviewed.        |
| <u>A5</u><br>42-45   | 5.1, 5.2, 5.3                | Erosion & Sediment Control                       | ✓                       | Nil                           |  |
| <u>A6</u><br>46-49   | 6.1                          | Water Management                                 | ✓                       | Nil                           |  |
| <u>A7</u><br>50-54   | 7.1, 7.2                     | Rehabilitation &<br>Vegetation Offset Management | ✓                       | Nil                           | Rehabilitation work undertaken. Weed removal and habitat enhancement.        |
| <u>A8</u><br>55-56   | 8.1                          | Social Impact Management                         | ✓                       | Nil                           |  |
| <u>A9</u><br>57-58   | 9.1                          | Heritage Management                              | ✓                       | Nil                           |  |
| <u>A10</u><br>59-61  | 10.1                         | Visual Amenity Management                        | ✓                       | Nil                           |  |
| <u>A11</u><br>62-64  | 11.1                         | Waste Management                                 | ✓                       | Nil                           |  |
| <u>A12</u><br>65-66  | 12.1                         | Emergency Response Management                    | ✓                       | Nil                           |  |
| <u>A13</u><br>67-71  | 13.1, 13.2                   | Hazard, Risk and Safety Management               | ✓                       | Nil                           |  |
| Completed by Environmental Contractor (South East Environmental) |                              |  |                         | Signed: <i>Melissa Mass</i>   | Date: 31/12/2021   |

**PF FORMATION – ENVIRONMENTAL OPERATIONAL PROCEDURES**

**Hitchcock Road Sand Extraction and Rehabilitation Project, Maroota**

*The chapter, page number and strategy point number are references to the approved Environmental Strategy Appendix A – Environmental Operational Procedures.*

| <u>CHAPTER</u><br>Page No.                                       | <u>STRATEGY</u><br>Point No. | <u>MANAGEMENT CONTROLS</u>                       | <u>STATUS</u><br>✓ or ✗ | <u>COMPLAINTS</u><br>RECEIVED                | <u>COMMENTS</u>   |
|--|------------------------------|--|-------------------------|--|---|
| <u>A2</u><br>33-35   | 2.1                          | Noise Management                                 | ✓                       | Nil  |   |
| <u>A3</u><br>36-39   | 3.1, 3.2                     | Air Quality Management                           | ✓                       | Nil  | Deposited dust results for January 2022 showed low levels at all locations. |
| <u>A4</u><br>40-41   | 4.1                          | Access and Traffic                               | ✓                       | Nil  | Truck movements were not exceeded. Weighbridge records were reviewed.       |
| <u>A5</u><br>42-45   | 5.1, 5.2, 5.3                | Erosion & Sediment Control                       | ✓                       | Nil  |   |
| <u>A6</u><br>46-49   | 6.1                          | Water Management                                 | ✓                       | Nil  |   |
| <u>A7</u><br>50-54   | 7.1, 7.2                     | Rehabilitation &<br>Vegetation Offset Management | ✓                       | Nil  | Rehabilitation work undertaken. Weed removal and habitat enhancement.       |
| <u>A8</u><br>55-56   | 8.1                          | Social Impact Management                         | ✓                       | Nil  |   |
| <u>A9</u><br>57-58   | 9.1                          | Heritage Management                              | ✓                       | Nil  |   |
| <u>A10</u><br>59-61  | 10.1                         | Visual Amenity Management                        | ✓                       | Nil  |   |
| <u>A11</u><br>62-64  | 11.1                         | Waste Management                                 | ✓                       | Nil  |   |
| <u>A12</u><br>65-66  | 12.1                         | Emergency Response Management                    | ✓                       | Nil  |   |
| <u>A13</u><br>67-71  | 13.1, 13.2                   | Hazard, Risk and Safety Management               | ✓                       | Nil  |   |
| Completed by Environmental Contractor (South East Environmental) |                              |  |                         | Signed: <i>Melissa Mass</i> Date: 31/01/2022 |   |

**PF FORMATION – ENVIRONMENTAL OPERATIONAL PROCEDURES**

**Hitchcock Road Sand Extraction and Rehabilitation Project, Maroota**

*The chapter, page number and strategy point number are references to the approved Environmental Strategy Appendix A – Environmental Operational Procedures.*

| <b>CHAPTER</b><br>Page No.                                       | <b>STRATEGY</b><br>Point No. | <b>MANAGEMENT CONTROLS</b>                       | <b>STATUS</b><br>✓ or ✗ | <b>COMPLAINTS</b><br>RECEIVED | <b>COMMENTS</b>  |
|--|------------------------------|--|-------------------------|-------------------------------|--|
| <u>A2</u><br>33-35   | 2.1                          | Noise Management                                 | ✓                       | Nil                           |  |
| <u>A3</u><br>36-39   | 3.1, 3.2                     | Air Quality Management                           | ✓                       | Nil                           | Deposited dust results for February 2022 showed low levels at all locations. |
| <u>A4</u><br>40-41   | 4.1                          | Access and Traffic                               | ✓                       | Nil                           | Truck movements were not exceeded. Weighbridge records were reviewed.        |
| <u>A5</u><br>42-45   | 5.1, 5.2, 5.3                | Erosion & Sediment Control                       | ✓                       | Nil                           |  |
| <u>A6</u><br>46-49   | 6.1                          | Water Management                                 | ✓                       | Nil                           |  |
| <u>A7</u><br>50-54   | 7.1, 7.2                     | Rehabilitation &<br>Vegetation Offset Management | ✓                       | Nil                           | Rehabilitation work undertaken. Weed removal and habitat enhancement.        |
| <u>A8</u><br>55-56   | 8.1                          | Social Impact Management                         | ✓                       | Nil                           |  |
| <u>A9</u><br>57-58   | 9.1                          | Heritage Management                              | ✓                       | Nil                           |  |
| <u>A10</u><br>59-61  | 10.1                         | Visual Amenity Management                        | ✓                       | Nil                           |  |
| <u>A11</u><br>62-64  | 11.1                         | Waste Management                                 | ✓                       | Nil                           |  |
| <u>A12</u><br>65-66  | 12.1                         | Emergency Response Management                    | ✓                       | Nil                           |  |
| <u>A13</u><br>67-71  | 13.1, 13.2                   | Hazard, Risk and Safety Management               | ✓                       | Nil                           |  |
| Completed by Environmental Contractor (South East Environmental) |                              |  |                         | Signed: <i>Melissa Mass</i>   | Date: 28/02/2022   |

**PF FORMATION – ENVIRONMENTAL OPERATIONAL PROCEDURES**

**Hitchcock Road Sand Extraction and Rehabilitation Project, Maroota**

*The chapter, page number and strategy point number are references to the approved Environmental Strategy Appendix A – Environmental Operational Procedures.*

| <b>CHAPTER</b><br>Page No.                                       | <b>STRATEGY</b><br>Point No. | <b>MANAGEMENT CONTROLS</b>                       | <b>STATUS</b><br>✓ or ✗ | <b>COMPLAINTS</b><br>RECEIVED | <b>COMMENTS</b>  |
|--|------------------------------|--|-------------------------|-------------------------------|--|
| <u>A2</u><br>33-35   | 2.1                          | Noise Management                                 | ✓                       | Nil                           |  |
| <u>A3</u><br>36-39   | 3.1, 3.2                     | Air Quality Management                           | ✓                       | Nil                           | Deposited dust results for March 2022 showed low levels at all locations.  |
| <u>A4</u><br>40-41   | 4.1                          | Access and Traffic                               | ✓                       | Nil                           | Truck movements were not exceeded. Weighbridge records were reviewed.  |
| <u>A5</u><br>42-45   | 5.1, 5.2, 5.3                | Erosion & Sediment Control                       | ✓                       | Nil                           | Significant rainfall event during March did not result in any sediment or erosion control remediation work. All drains and basins worked well. |
| <u>A6</u><br>46-49   | 6.1                          | Water Management                                 | ✓                       | Nil                           |  |
| <u>A7</u><br>50-54   | 7.1, 7.2                     | Rehabilitation &<br>Vegetation Offset Management | ✓                       | Nil                           | Rehabilitation work undertaken. Weed removal and habitat enhancement.  |
| <u>A8</u><br>55-56   | 8.1                          | Social Impact Management                         | ✓                       | Nil                           |  |
| <u>A9</u><br>57-58   | 9.1                          | Heritage Management                              | ✓                       | Nil                           |  |
| <u>A10</u><br>59-61  | 10.1                         | Visual Amenity Management                        | ✓                       | Nil                           |  |
| <u>A11</u><br>62-64  | 11.1                         | Waste Management                                 | ✓                       | Nil                           |  |
| <u>A12</u><br>65-66  | 12.1                         | Emergency Response Management                    | ✓                       | Nil                           |  |
| <u>A13</u><br>67-71  | 13.1, 13.2                   | Hazard, Risk and Safety Management               | ✓                       | Nil                           |  |
| Completed by Environmental Contractor (South East Environmental) |                              |  |                         | Signed: <i>Melissa Mass</i>   | Date: 31/03/2022   |

**PF FORMATION – ENVIRONMENTAL OPERATIONAL PROCEDURES**  
**Hitchcock Road Sand Extraction and Rehabilitation Project, Maroota**

*The chapter, page number and strategy point number are references to the approved Environmental Strategy Appendix A – Environmental Operational Procedures.*

| <b>CHAPTER</b><br>Page No.                                       | <b>STRATEGY</b><br>Point No. | <b>MANAGEMENT CONTROLS</b>                       | <b>STATUS</b><br>✓ or ✗ | <b>COMPLAINTS</b><br>RECEIVED                | <b>COMMENTS</b>   |
|--|------------------------------|--|-------------------------|--|---|
| <u>A2</u><br>33-35   | 2.1                          | Noise Management                                 | ✓                       | Nil  |   |
| <u>A3</u><br>36-39   | 3.1, 3.2                     | Air Quality Management                           | ✓                       | Nil  | Deposited dust results for April 2022 showed low levels at all locations. |
| <u>A4</u><br>40-41   | 4.1                          | Access and Traffic                               | ✓                       | Nil  | Truck movements were not exceeded. Weighbridge records were reviewed.     |
| <u>A5</u><br>42-45   | 5.1, 5.2, 5.3                | Erosion & Sediment Control                       | ✓                       | Nil  |   |
| <u>A6</u><br>46-49   | 6.1                          | Water Management                                 | ✓                       | Nil  |   |
| <u>A7</u><br>50-54   | 7.1, 7.2                     | Rehabilitation &<br>Vegetation Offset Management | ✓                       | Nil  | Rehabilitation work undertaken. Weed removal and habitat enhancement.     |
| <u>A8</u><br>55-56   | 8.1                          | Social Impact Management                         | ✓                       | Nil  |   |
| <u>A9</u><br>57-58   | 9.1                          | Heritage Management                              | ✓                       | Nil  |   |
| <u>A10</u><br>59-61  | 10.1                         | Visual Amenity Management                        | ✓                       | Nil  |   |
| <u>A11</u><br>62-64  | 11.1                         | Waste Management                                 | ✓                       | Nil  |   |
| <u>A12</u><br>65-66  | 12.1                         | Emergency Response Management                    | ✓                       | Nil  |   |
| <u>A13</u><br>67-71  | 13.1, 13.2                   | Hazard, Risk and Safety Management               | ✓                       | Nil  |   |
| Completed by Environmental Contractor (South East Environmental) |                              |  |                         | Signed: <i>Melissa Mass</i> Date: 30/04/2022 |   |

**PF FORMATION – ENVIRONMENTAL OPERATIONAL PROCEDURES**  
**Hitchcock Road Sand Extraction and Rehabilitation Project, Maroota**

*The chapter, page number and strategy point number are references to the approved Environmental Strategy Appendix A – Environmental Operational Procedures.*

| CHAPTER<br>Page No.  | STRATEGY<br>Point No. | MANAGEMENT CONTROLS                              | STATUS<br>✓ or ✗ | COMPLAINTS<br>RECEIVED                       | COMMENTS  |
|--|-----------------------|--|------------------|--|---|
| <u>A2</u><br>33-35   | 2.1                   | Noise Management                                 | ✓                | Nil  |   |
| <u>A3</u><br>36-39   | 3.1, 3.2              | Air Quality Management                           | ✓                | Nil  | Deposited dust results for May 2022 showed low levels at all locations. |
| <u>A4</u><br>40-41   | 4.1                   | Access and Traffic                               | ✓                | Nil  | Truck movements were not exceeded. Weighbridge records were reviewed.   |
| <u>A5</u><br>42-45   | 5.1, 5.2, 5.3         | Erosion & Sediment Control                       | ✓                | Nil  |   |
| <u>A6</u><br>46-49   | 6.1                   | Water Management                                 | ✓                | Nil  |   |
| <u>A7</u><br>50-54   | 7.1, 7.2              | Rehabilitation &<br>Vegetation Offset Management | ✓                | Nil  | Rehabilitation work undertaken. Weed removal and habitat enhancement.   |
| <u>A8</u><br>55-56   | 8.1                   | Social Impact Management                         | ✓                | Nil  |   |
| <u>A9</u><br>57-58   | 9.1                   | Heritage Management                              | ✓                | Nil  |   |
| <u>A10</u><br>59-61  | 10.1                  | Visual Amenity Management                        | ✓                | Nil  |   |
| <u>A11</u><br>62-64  | 11.1                  | Waste Management                                 | ✓                | Nil  |   |
| <u>A12</u><br>65-66  | 12.1                  | Emergency Response Management                    | ✓                | Nil  |   |
| <u>A13</u><br>67-71  | 13.1, 13.2            | Hazard, Risk and Safety Management               | ✓                | Nil  |   |
| Completed by Environmental Contractor (South East Environmental) |                       |  |                  | Signed: <i>Melissa Mass</i> Date: 31/05/2022 |   |

**PF FORMATION – ENVIRONMENTAL OPERATIONAL PROCEDURES**

**Hitchcock Road Sand Extraction and Rehabilitation Project, Maroota**

*The chapter, page number and strategy point number are references to the approved Environmental Strategy Appendix A – Environmental Operational Procedures.*

| CHAPTER<br>Page No.  | STRATEGY<br>Point No. | MANAGEMENT CONTROLS                              | STATUS<br>✓ or ✗ | COMPLAINTS<br>RECEIVED      | COMMENTS   |
|--|-----------------------|--|------------------|-----------------------------|--|
| <u>A2</u><br>33-35   | 2.1                   | Noise Management                                 | ✓                | Nil                         |  |
| <u>A3</u><br>36-39   | 3.1, 3.2              | Air Quality Management                           | ✓                | Nil                         | Deposited dust results for June 2022 showed low levels at all locations. |
| <u>A4</u><br>40-41   | 4.1                   | Access and Traffic                               | ✓                | Nil                         | Truck movements were not exceeded. Weighbridge records were reviewed.    |
| <u>A5</u><br>42-45   | 5.1, 5.2, 5.3         | Erosion & Sediment Control                       | ✓                | Nil                         |  |
| <u>A6</u><br>46-49   | 6.1                   | Water Management                                 | ✓                | Nil                         |  |
| <u>A7</u><br>50-54   | 7.1, 7.2              | Rehabilitation &<br>Vegetation Offset Management | ✓                | Nil                         | Rehabilitation work undertaken. Weed removal and habitat enhancement.    |
| <u>A8</u><br>55-56   | 8.1                   | Social Impact Management                         | ✓                | Nil                         |  |
| <u>A9</u><br>57-58   | 9.1                   | Heritage Management                              | ✓                | Nil                         |  |
| <u>A10</u><br>59-61  | 10.1                  | Visual Amenity Management                        | ✓                | Nil                         |  |
| <u>A11</u><br>62-64  | 11.1                  | Waste Management                                 | ✓                | Nil                         |  |
| <u>A12</u><br>65-66  | 12.1                  | Emergency Response Management                    | ✓                | Nil                         |  |
| <u>A13</u><br>67-71  | 13.1, 13.2            | Hazard, Risk and Safety Management               | ✓                | Nil                         |  |
| Completed by Environmental Contractor (South East Environmental) |                       |  |                  | Signed: <i>Melissa Mass</i> | Date: 30/06/2022   |

# **ATTACHMENT 6**

## **LOCATION WEATHER CHART**



Note: # Some blockages with PFF Maroota Weather Station during April 2022  
 Hodgson Quarry & BOM weather station information included to verify rainfall

| <b>Month</b>        | <b>PFF Maroota Station:<br/>Rainfall (mm)</b> | <b>Hodgson Quarry:<br/>Rainfall (mm)</b> | <b>BOM Maroota (Old Telegraph Rd)<br/>Rainfall (mm)</b> |
|---------------------|---|--|---|
| <b>July 2020</b>    | 14  |  | 30.4  |
| <b>August</b>       | 43.4  |  | 66.4  |
| <b>September</b>    | 15.4  |  | 23  |
| <b>October</b>      | 24.6  |  | 47.4  |
| <b>November</b>     | 123.4   |  | 183.6   |
| <b>December</b>     | 69.6  |  | 129.3   |
| <b>January 2021</b> | 83.4  |  | 112   |
| <b>February</b>     | 171.8   |  | 250.6   |
| <b>March</b>        | 373.2   |  | 581.2   |
| <b>April</b>        | 74.6  | <b>106.8</b>                             | 115.8   |
| <b>May</b>          | 52.5  |  | 87.6  |
| <b>June 2021</b>    | 2.6   |  | 6.2   |
| <b>Total (yr)</b>   | <b>1048.5 (#)</b>                             |  | <b>1633.5</b>   |

**ATTACHMENT 7**

**SITE CURRENT PHOTOS**



Tailings pond in use (13b)



Tailings pond in use (13 + 14)



Tailings pond 12 in use



Fresh water dam with agricultural rehabilitation in background





Tailings pond 11 in use



Pit 8 extraction area












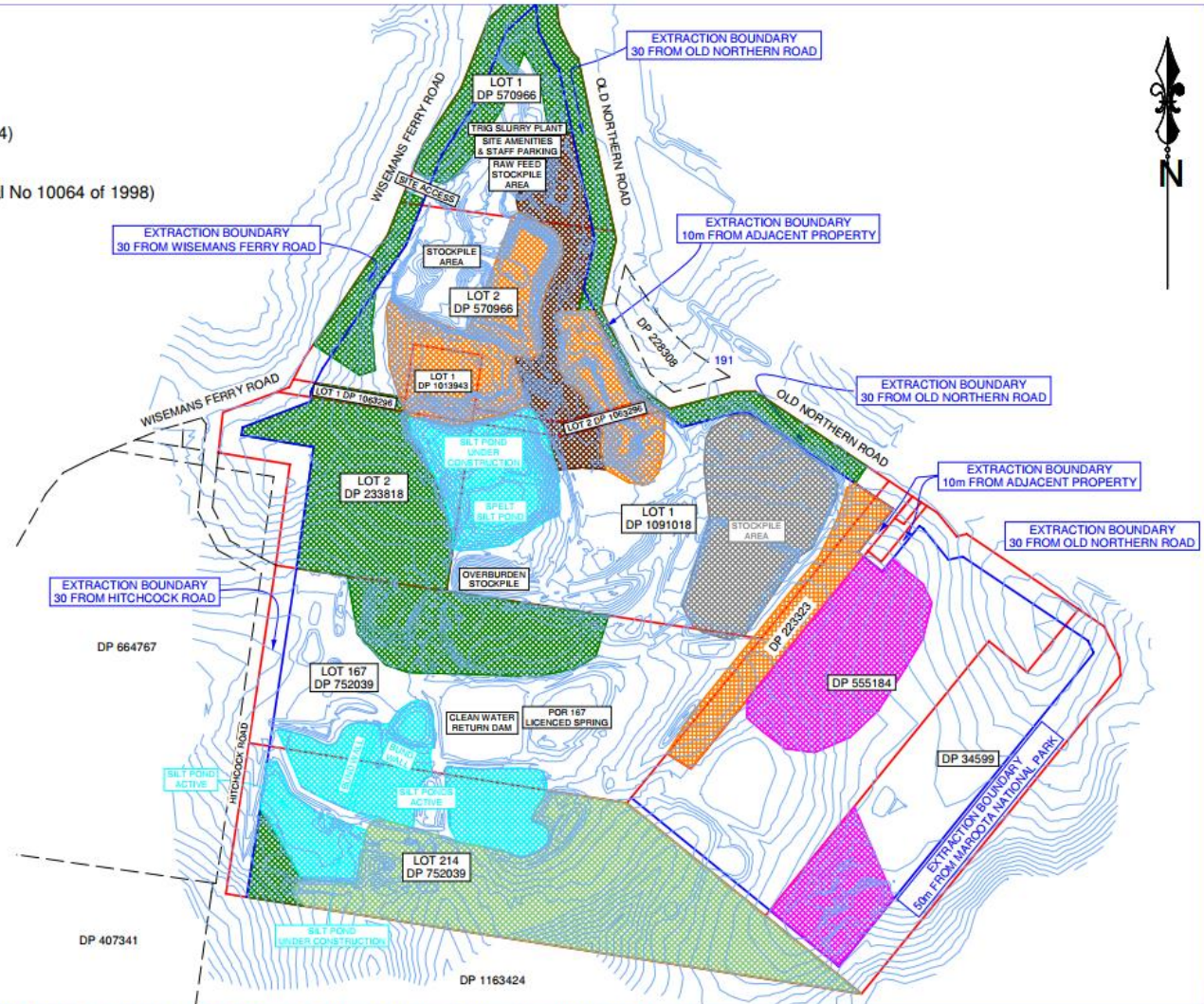
Pit 2 now being brought into tailings pond cycle

**ATTACHMENT 8**

**CURRENT SITE SURVEY PLAN**



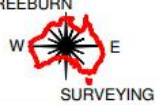
-  - Land under active rehabilitation
-  - Extraction areas approved under (PA 06\_0104)
-  - Extraction areas approved under (LEC Appeal No 10064 of 1998)
-  - Area being prepared for extraction
-  - Proposed rehabilitation offset area
-  - Stockpile areas
-  - silt ponds



**NOTES:**

- Boundaries have been provided to Matthew Freeburn Surveyors from Landair Survey and are approximate only. No boundary investigation has been carried out for the purpose of this survey.
- Contours shown in blue have been provided to Matthew Freeburn Surveyors from Landair Surveys. Contours depict the general topography. They do not represent exact levels other than at spot levels shown. Survey date was 29/5/2017.
- The position of features are indicative only.
- 101.50 indicates natural surface level.
- No trees have been shown.

**PROJECT: "PF FORMATION - SITE PLAN FOR HITCHCOCK ROAD SAND PROJECT 06\_0104".**

|                             |   |  |                                     |                                   |              |               |
|-----------------------------|---|--|-------------------------------------|-----------------------------------|--------------|---------------|
| Client:<br><br>PF FORMATION |  | <b>MATTHEW FREEBURN</b><br>LAND, ENGINEERING & MINING SURVEYOR<br>SUITE 2, 1st FLOOR, "SURVEYOR HOUSE"<br>2 CASTLEREAGH STREET<br>PENRITH 2750 | Telephone 02 4721 2289              | Date: 19/10/2020                  | Ref: 34279   | Sheet 1 of 1  |
|                             |   |  | Fax 02 4721 5646                    | Scale 1: 6000                     | Datum: AHD   | Contour: 1.0m |
|                             |   |  | email matthew@freeburnsurveyors.com | Surveyor: N/A                     | Drawn By: CD | Checked: MF   |
|                             |   |  |                                     | Stored: 34279 SITE PLAN 201019 A3 |              | A3 SHEET      |



# **ATTACHMENT 9**

## **WEIGHBRIDGE VERIFICATION CERTIFICATE**

**REPAIR AND VERIFICATION REPORT**

|                             |  |
|-----------------------------|--|
| Report Number               | 1384S 1250 189S  |
| Scale Owners Name           | PF Formation   |
| Address                     | 1 Patrica Fay Drive Maroota NSW 2576                       |
| Instrument Serial Number    | IN0054217  |
| Digital Summing Indicator   | Make:WMS Model:3590EGT Serial No:15034999                  |
| Total Capacity / Resolution | 60 x 0.2 t   |
| Digital indicator           | Make:WMS Model:3590EGT Serial No:15034999 Capacity 60 t    |
| Platform                    | Make: Aws Model: AWS106 Serial No: IN0054217 Capacity 60 t |
| Location                    | Weighbridge  |
| Plant Number                | Nil  |
| Date of Verification        | 12-April-2022  |
| Next Verification           | August-2022  |
| Certified Masses Used       | PCS2088 PCS1782  |

**Report on Accuracy**

| Deck 1         |      |               |      |
|----------------|------|---------------|------|
| Mass Applied   |      | Final Reading |      |
| 10.0 t         |      | 10.0 t        |      |
| 20.0 t         |      | 20.0 t        |      |
| 35.8 t         |      | 35.8 t        |      |
| 47.7 t         |      | 47.7 t        |      |
| 59.7 t         |      | 59.7 t        |      |
| Zero Test      | Pass | Repeatability | Pass |
| Over Range     | Pass | Eccentricity  | Pass |
| Discrimination | Pass | Performance   | Pass |

Specification Of Test Using the guidelines of the Uniform Test Procedure for the Verification NITP 6.1 to 6.4

**Service Report**

Weighbridge calibration was within MPE during testing. Weighbridge was verified by SSS technician.

Compliance: "PASS" Indicates that the reported final readings are within the tolerances specified in the test specification.

For and on behalf of Standard Scales & Services Pty. Ltd.

Report Number: RHH001

**Tested By** Richard Hickey

**Checked By** Jodie Attard



**ATTACHMENT 10**

**COMMUNITY CONSULTATIVE  
COMMITTEE**

**MEETING MINUTES**

# **Community Consultative Committee Hitchcock Road and Lot 198 Maroota Sand Extraction and Rehabilitation Projects**

**Minutes – 09 Nov 2021 2:00pm (via Zoom)**

## **Attendance**

Kristine McKenzie – The Hills Shire Council (THSC) – Chairperson

Robert Buckham – The Hills Shire Council (THSC)

Joshua Graham – PF Formation (PF)

Luke Graham – PF Formation (PF)

Dianna Rea – PF Formation (PF)

Melissa Mass – South East Environmental (SEE)

Lisa Aylward – Maroota Public School

Marianne Sheumack - Resident

## **Apologies**

Shaunagh Hitchcock - Resident

## **Minutes of Previous Meeting**

Last meeting in May 2021

- Accepted

## **Matters Arising from Minutes**

- None

## **Report on Current Status of Operations by Joshua Graham (PF)**

- Sand extraction has continued in 3 different areas, to the NE of the site near Old Northern Road, the trig hill area and the new area to the SE known as Pit 8. Building up the tailings pond walls at the southern end of the site on Lot 214 has continued, using clay material stripped from the trig area.
- No complaints were received since the last meeting
- COVID affected us with the construction industry closing, July and August of 2021 were largely impacted by the closures.
- We had an inspection from DPIE on 2/6/2021. The inspection was in relation to vegetation, landscape management and rehabilitation. The inspection concluded that the site is progressing in alignment with the Landscape Management Plan.

### **Reporting**

- We have reviewed all the management plans and submitted them to DPIE via the Major Projects Planning Portal, the Water Management Plan will be re submitted at the end of the month.
- MOD 1 is still in progress.

### **Report on Environmental Matters by Melissa Mass (SEE)**

- Our water catchment coped with the recent heavy rainfall. The groundwater table has recharged.
- Dust is below the criteria in all the locations
- Noise level have been consistent as well. Any exceedances are due to traffic and not quarry related.
- Rehabilitation is going well. There are some excessive weeds due to the regular rainfall but is being controlled.
- Josh added that we will offset 8 hectares of natural vegetation on Lot 214 in place of regeneration. It is a better offset than currently conditioned as the vegetation is established.

### **General**

- Marianne asked about MOD 1, Josh explained what conditions are sought to be modified.
- Marianne asked if we have heard more about the Deerubbin project, Josh advises we haven't received any more correspondence about that.
- Marianne brought up if there is something we can do to control the trucks. More locals are complaining about the dangerous driving of the trucks. Kristine suggested to notify Police about dangerous driving. A particular trucking company was named, which is not related to our site however Council will investigate it and investigate trucks travelling on Halcrows Road also.
- Lisa advises the school has no issues to raise and that she now works at the school and will continue to represent the school for future meetings.

### **Site Visit**

- No Site inspection due to zoom meeting.

### **Next Meeting**

- The next meeting will be held on the 3<sup>rd</sup> May 2022 at 2.00 pm

# **Community Consultative Committee Hitchcock Road and Lot 198 Maroota Sand Extraction and Rehabilitation Projects**

**Minutes – 03 May 2022 2:00pm**

## **Attendance**

Kristine McKenzie – The Hills Shire Council (THSC) – Chairperson

Henry Nemme – The Hills Shire Council (THSC)

Joshua Graham – PF Formation (PF)

Luke Graham – PF Formation (PF)

Dianna Rea – PF Formation (PF)

Melissa Mass – South East Environmental (SEE) via zoom

Lisa Aylward – Maroota Public School

Marianne Sheumack - Resident

## **Apologies**

Shaunagh Hitchcock - Resident

## **Minutes of Previous Meeting**

Last meeting on 9<sup>th</sup> November 2021

- Accepted

## **Matters Arising from Minutes**

- None

## **Report on Current Status of Operations by Joshua Graham (PF)**

- Kristine asked about works being carried out on Patricia Fay Drive, Josh explained the driveway was Crown Land and the pipeline was outside the surveyed licensed area. We received a direction from Crown Land which gave us 6 months to remedy and move the pipes. We also had to cut off 50mm of asphalt that was also outside the licensed area.
- It has been a challenging start to 2022, the rainfall has made it very difficult for us to operate. We have received around 950mm of rain over 4 months. All water was contained on site due to the dam capacity we built at the southern catchment area of the site, the dams flow inward back to the clean water dam, which assisted with containing the water.

- Our pit voids were inundated with water, and most of our haul roads were not usable. We did eventually run out of raw feeds and had to stop production altogether.
- We had an inspection from DPE compliance on the 13<sup>th</sup> April 2022, the inspection was to investigate the clearing of the boundary along Lot 2 DP 555814, and inspecting of erosion and sediment controls. The inspection was on foot due to poor vehicle access. No formal correspondence has been received following the inspection however no issues were raised by DPE on the day.
- No complaints were received since our last meeting.

### **Reporting**

- The MOD 1 application was approved by DPE in December 2021. DPE asked us to withdraw the revised offset strategy proposed in the application in order to approve the application. DPE were not satisfied that the revised strategy covered clearing on the setback areas at Lot 2, and other areas that were approved by the LEC approval.
- An EPL variation application was submitted following approval, the variation has since been approved.
- The approval allows for the importation of ENM and recovered waste under a waste recovery order and exemption. The truck sub limit of 20 imported was removed and is now within the total approved truck numbers of 200 per day.
- We were asked to withdraw our management plans again and re submit them with changes capturing the revised development consent. This has been done.
- The traffic management plan has also been submitted, and consultation requested with TfNSW via the portal. No response yet. Additional speed limit signs will be put up on Patricia Fay Drive.
- NSW government have released a new SEPP which repeals SREP 9 and included special provisions for quarries in the Sydney area.

### **Report on Environmental Matters by Melissa Mass (SEE)**

- The main issue is the excessive amount of water that has been dumped on site. It has made it difficult to do the monitoring. Down the back of Lot 198 we had a minor washout of the creek (which has re-lined the creek bed) although it is a naturally occurring event so was not needed to be reported to the EPA but will be noted on the end of year monitoring results.
- Ground water is obviously up and the highest level Melissa has seen in the last 7 years.
- Surface water quality has been good considering the circumstances
- Air quality is good due to the rain
- Rehabilitation has been slower due to the rain. We were keeping on top of the weeds prior to the excessive rain.
- Dust monitoring over at site 2 had a spike. Melissa was unsure why but believes it could have been agriculture activity, but the spike is still under the approved levels.
- Melissa was asked to go look at Phil Accurso's to see how the drainage line coped in the rehab area and report back to us next meeting.

### **General**

- It was explained that Section 7.11 contributions is collected by council for repairs to state owned roads. The money is collected by council and the money given to TfNSW to carry out repairs and upgrades.



**Site Visit**

- No Site inspection due to wet conditions in the quarry

**Next Meeting**

- The next meeting will be held on the 8<sup>th</sup> November 2022 at 2.00 pm

**ATTACHMENT 11**

**VENM IMPORT SUMMARY**

**VENM Summary 2021-2022 for Pit 2**

| Date       | Pit | Logbook Number | Name of Site material came from | Product   | Total | Certificate Number Tonnes                             |
|------------|-----|----------------|---------------------------------|-----------|-------|---|
| 3/07/2021  | 2   | P346           | Abbotsford                      | Sandstone | 296   | Visual VENM Report – 80 Wymston Parade Abbotsford NSW |
| 5/07/2021  | 2   | P345           | Abbotsford                      | Sandstone | 76.5  | Visual VENM Report – 80 Wymston Parade Abbotsford NSW |
| 23/03/2022 | 2   | P467           | Cammeray                        | Sandstone | 930   | E25253.E05.003.Rev0                                   |
| 17/03/2022 | 2   | P461           | Cammeray                        | Sandstone | 23    | E25253.E05.003.Rev0                                   |
| 22/03/2022 | 2   | P466           | Cammeray                        | Sandstone | 10    | E25253.E05.003.Rev0                                   |
| 25/11/2012 | 2   | P442           | Carlingford                     | Sandstone | 320   | E464  |
| 24/11/2021 | 2   | P440           | Carlingford                     | Sandstone | 352   | E464  |
| 26/11/2021 | 2   | P443           | Carlingford                     | Sandstone | 416   | E464  |
| 6/12/2021  | 2   | P446           | Carlingford                     | Sandstone | 142   | E464  |
| 10/12/2021 | 2   | P447           | Carlingford                     | Sandstone | 320   | E464  |
| 7/01/2022  | 2   | P452           | Carlingford                     | Sandstone | 60    | E464  |
| 24/02/2022 | 2   | P453           | Carlingford                     | Sandstone | 416   | E464  |
| 25/03/2022 | 2   | P469           | Carlingford                     | Sandstone | 320   | E464  |
| 26/03/2022 | 2   | P470           | Carlingford                     | Sandstone | 32    | E464  |
| 28/03/2022 | 2   | P471           | Carlingford                     | Sandstone | 128   | E464  |
| 29/03/2022 | 2   | P473           | Carlingford                     | Sandstone | 157.5 | E464  |
| 31/03/2022 | 2   | P477           | Carlingford                     | Sandstone | 72    | E464  |
| 1/04/2022  | 2   | P482           | Carlingford                     | Sandstone | 91    | E464  |
| 8/04/2022  | 2   | P486           | Carlingford                     | Sandstone | 720   | E464  |
| 11/04/2022 | 2   | P489           | Carlingford                     | Sandstone | 60    | E464  |
| 9/05/2022  | 2   | P499           | Carlingford                     | Sandstone | 213.4 | E464  |
| 12/10/2021 | 2   | P421           | Castle Crag                     | Sandstone | 1333  | CH1241_D9613_Soil Export Classification_VENM          |
| 9/11/2021  | 2   | P437           | Castle Crag                     | Sandstone | 124   | CH1241_D9613_Soil Export Classification_VENM          |
| 8/11/2021  | 2   | P435           | Castle Hill                     | Sandstone | 1178  | E25253.E05.003.Rev0                                   |
| 9/11/2021  | 2   | P436           | Castle Hill                     | Sandstone | 372   | E25253.E05.003.Rev0                                   |
| 22/11/2021 | 2   | P439           | Castle Hill                     | Sandstone | 1178  | E25253.E05.003.Rev0                                   |
| 25/11/2021 | 2   | P441           | Castle Hill                     | Sandstone | 744   | E25253.E05.003.Rev0                                   |
| 29/11/2021 | 2   | P444           | Castle Hill                     | Sandstone | 1116  | E25253.E05.003.Rev0                                   |
| 5/01/2022  | 2   | P451           | Castle Hill                     | Sandstone | 825   | E23738.E05.002.Rev0                                   |
| 29/03/2022 | 2   | P472           | Castle Hill                     | Sandstone | 2088  | E23738.E05.002.Rev0                                   |
| 31/03/2022 | 2   | P480           | Castle Hill                     | Sandstone | 136   | E23738.E05.002.Rev0                                   |
| 1/04/2022  | 2   | P481           | Castle Hill                     | Sandstone | 1518  | E23738.E05.002.Rev0                                   |
| 30/11/2021 | 2   | P445           | Clovelly                        | Sandstone | 10.26 |   |
| 12/07/2021 | 2   | P355           | Dilwich Hill                    | Sandstone | 95    | SMCSWLWCSYC-TDH-CE-DWG-400110                         |
| 13/07/2021 | 2   | P357           | Dilwich Hill                    | Sandstone | 199   | SMCSWLWCSYC-TDH-CE-DWG-400110                         |
| 15/07/2021 | 2   | P360           | Dilwich Hill                    | Sandstone | 20    | SMCSWLWCSYC-TDH-CE-DWG-400110                         |
| 20/05/2022 | 2   | P2010          | Dover Heights                   | Sandstone | 36    | 2019-161  |
| 24/05/2022 | 2   | P2012          | Dover Heights                   | Sandstone | 36    | 2019-161  |
| 25/05/2022 | 2   | P2014          | Dover Heights                   | Sandstone | 18    | 2019-161  |
| 7/06/2022  | 2   | P2020          | Dover Heights                   | Sandstone | 76    | 2019-161  |
| 8/06/2022  | 2   | P2021          | Dover Heights                   | Sandstone | 19    | 2019-161  |
| 20/06/2022 | 2   | P2022          | Dover Heights                   | Sandstone | 19    | 2019-161  |
| 1/07/2021  | 2   | P342           | Dural                           | Sandstone | 55    | 20200917SAA-01  |
| 30/03/2022 | 2   | P475           | East Hills                      | Sandstone | 80    |   |
| 20/05/2022 | 2   | P2009          | East Hills                      | Sandstone | 60    |   |

|            |   |       |             |           |      |  |
|------------|---|-------|-------------|-----------|------|--|
| 11/10/2021 | 2 | P418  | Gladesville | Sandstone | 1140 | CH1193_D9542_Soil Export Classification-V1.1 |
| 21/03/2022 | 2 | P463  | Glenorie    | Sandstone | 660  | 00007101.01 WCR                              |
| 22/03/2022 | 2 | P465  | Glenorie    | Sandstone | 1080 | 00007101.01 WCR                              |
| 20/04/2022 | 2 | P491  | Glenorie    | Sandstone | 841  | 00007101.01 WCR                              |
| 21/04/2022 | 2 | P492  | Glenorie    | Sandstone | 2294 | 00007101.01 WCR                              |
| 22/04/2022 | 2 | P493  | Glenorie    | Sandstone | 1981 | 00007101.01 WCR                              |
| 23/04/2022 | 2 | P494  | Glenorie    | Sandstone | 477  | 00007101.01 WCR                              |
| 26/04/2022 | 2 | P495  | Glenorie    | Eum Clay  | 126  | 00007101.01 WCR                              |
| 9/05/2022  | 2 | P500  | Glenorie    | Sandstone | 310  | 00007101.01 WCR                              |
| 10/05/2022 | 2 | P2001 | Glenorie    | Sandstone | 2040 | 00007101.01 WCR                              |
| 11/05/2022 | 2 | P2002 | Glenorie    | Sandstone | 2880 | 00007101.01 WCR                              |
| 12/05/2022 | 2 | P2004 | Glenorie    | Sandstone | 480  | 00007101.01 WCR                              |
| 12/05/2022 | 2 | P2003 | Glenorie    | Sandstone | 4080 | 00007101.01 WCR                              |
| 13/05/2022 | 2 | P2005 | Glenorie    | Sandstone | 1860 | 00007101.01 WCR                              |
| 18/05/2022 | 2 | P2008 | Glenorie    | Sandstone | 640  | 00007101.01 WCR                              |
| 25/05/2022 | 2 | P2013 | Glenorie    | Sandstone | 2312 | 00007101.01 WCR                              |
| 26/05/2022 | 2 | P2015 | Glenorie    | Sandstone | 3136 | 00007101.01 WCR                              |
| 6/06/2022  | 2 | P2018 | Glenorie    | Sandstone | 124  | 00007101.01 WCR                              |
| 6/08/2021  | 2 | P361  | Gordon      | Sandstone | 57   | E142-VENM                                    |
| 26/08/2021 | 2 | P380  | Gordon      | Sandstone | 192  | E142-VENM                                    |
| 3/11/2021  | 2 | P432  | Kenthurst   | Sandstone | 23   | DE-704                                       |

### VENM Summary 2021-2022 for Pit 2

| Date       | Pit | Logbook Number | Name of Site material came from | Product   | Total  | Certificate Number Tonnes     |
|------------|-----|----------------|---------------------------------|-----------|--------|-------------------------------|
| 4/11/2021  | 2   | P433           | Kenthurst                       | Sandstone | 23     | DE-704                        |
| 15/11/2021 | 2   | P438           | Kenthurst                       | Sandstone | 72     | DE-704                        |
| 21/12/2021 | 2   | P448           | Kenthurst                       | Sandstone | 36     | DE-704                        |
| 22/12/2021 | 2   | P449           | Kenthurst                       | Sandstone | 216    | DE-704                        |
| 23/12/2021 | 2   | P450           | Kenthurst                       | Sandstone | 72     | DE-704                        |
| 1/07/2021  | 2   | P343           | Macquaire Park                  | Sandstone | 1474.9 | 33824-1a                      |
| 2/07/2021  | 2   | P340           | Macquaire Park                  | Sandstone | 1792   | 33824-1a                      |
| 9/07/2021  | 2   | P352           | Macquaire Park                  | Sandstone | 704    | 33824-1a                      |
| 10/07/2021 | 2   | P353           | Macquaire Park                  | Sandstone | 1364   | 33824-1a                      |
| 9/08/2021  | 2   | P363           | Macquaire Park                  | Sandstone | 1240   | 33824-1a                      |
| 10/08/2021 | 2   | P365           | Macquaire Park                  | Sandstone | 1166.4 | 33824-1a                      |
| 11/08/2021 | 2   | P367           | Macquaire Park                  | Sandstone | 832    | 33824-1a                      |
| 17/08/2021 | 2   | P371           | Macquaire Park                  | Sandstone | 1088   | 33824-1a                      |
| 18/08/2021 | 2   | P372           | Macquaire Park                  | Sandstone | 960    | 33824-1a                      |
| 23/08/2021 | 2   | P376           | Macquaire Park                  | Sandstone | 704    | 33824-1a                      |
| 24/08/2021 | 2   | P378           | Macquaire Park                  | Sandstone | 1856   | 33824-1a                      |
| 25/08/2021 | 2   | P379           | Macquaire Park                  | Sandstone | 1088   | 33824-1a                      |
| 30/08/2021 | 2   | P382           | Macquaire Park                  | Sandstone | 1550   | 33824-1a                      |
| 6/09/2021  | 2   | P389           | Macquaire Park                  | Sandstone | 1140   | 33824-1a                      |
| 10/09/2021 | 2   | P395           | Macquaire Park                  | Sandstone | 930    | 33824-1a                      |
| 20/09/2021 | 2   | P406           | Macquaire Park                  | Sandstone | 1064   | 33824-1a                      |
| 11/10/2021 | 2   | P419           | Macquaire Park                  | Sandstone | 228    | 33824-1a                      |
| 07/09/201  | 2   | P391           | Macquaire Park                  | Sandstone | 730.4  | 33824-1a                      |
| 6/07/2021  | 2   | P348           | Neutral Bay                     | Sandstone | 352.83 | RVC-09-0111-WAC2              |
| 7/07/2021  | 2   | P349           | Neutral Bay                     | Sandstone | 148    | RVC-09-0111-WAC2              |
| 30/09/2021 | 2   | P414           | Neutral Bay                     | Sandstone | 76     | RVC-09-0111-WAC2              |
| 2/09/2021  | 2   | P385           | North Bridge                    | Sandstone | 60     | 6 Boyra Crescent, Northbridge |

|            |   |       |                  |           |     |                               |
|------------|---|-------|------------------|-----------|-----|-------------------------------|
| 3/09/2021  | 2 | P387  | North Bridge     | Sandstone | 48  | 6 Boyra Crescent, Northbridge |
| 6/09/2021  | 2 | P388  | North Bridge     | Sandstone | 30  | 6 Boyra Crescent, Northbridge |
| 7/09/2021  | 2 | P390  | North Bridge     | Sandstone | 36  | 6 Boyra Crescent, Northbridge |
| 8/09/2021  | 2 | P392  | North Bridge     | Sandstone | 36  | 6 Boyra Crescent, Northbridge |
| 9/09/2021  | 2 | P393  | North Bridge     | Sandstone | 54  | 6 Boyra Crescent, Northbridge |
| 10/09/2021 | 2 | P394  | North Bridge     | Sandstone | 54  | 6 Boyra Crescent, Northbridge |
| 13/09/2021 | 2 | P396  | North Bridge     | Sandstone | 54  | 6 Boyra Crescent, Northbridge |
| 14/09/2021 | 2 | P398  | North Bridge     | Sandstone | 18  | 6 Boyra Crescent, Northbridge |
| 15/09/2021 | 2 | P400  | North Bridge     | Sandstone | 36  | 6 Boyra Crescent, Northbridge |
| 16/09/2021 | 2 | P403  | North Bridge     | Sandstone | 36  | 6 Boyra Crescent, Northbridge |
| 17/09/2021 | 2 | P404  | North Bridge     | Sandstone | 36  | 6 Boyra Crescent, Northbridge |
| 20/09/2021 | 2 | P405  | North Bridge     | Sandstone | 54  | 6 Boyra Crescent, Northbridge |
| 21/09/2021 | 2 | P407  | North Bridge     | Sandstone | 36  | 6 Boyra Crescent, Northbridge |
| 22/09/2021 | 2 | P408  | North Bridge     | Sandstone | 54  | 6 Boyra Crescent, Northbridge |
| 24/09/2021 | 2 | P410  | North Bridge     | Sandstone | 18  | 6 Boyra Crescent, Northbridge |
| 27/09/2021 | 2 | P409  | North Bridge     | Sandstone | 36  | 6 Boyra Crescent, Northbridge |
| 28/09/2021 | 2 | P411  | North Bridge     | Sandstone | 18  | 6 Boyra Crescent, Northbridge |
| 29/09/2021 | 2 | P412  | North Bridge     | Sandstone | 18  | 6 Boyra Crescent, Northbridge |
| 30/09/2021 | 2 | P413  | North Bridge     | Sandstone | 36  | 6 Boyra Crescent, Northbridge |
| 1/10/2021  | 2 | P415  | North Bridge     | Sandstone | 18  | 6 Boyra Crescent, Northbridge |
| 6/10/2021  | 2 | P416  | North Bridge     | Sandstone | 18  | 6 Boyra Crescent, Northbridge |
| 8/10/2021  | 2 | P417  | North Bridge     | Sandstone | 36  | 6 Boyra Crescent, Northbridge |
| 11/10/2021 | 2 | P420  | North Bridge     | Sandstone | 18  | 6 Boyra Crescent, Northbridge |
| 12/10/2021 | 2 | P422  | North Bridge     | Sandstone | 18  | 6 Boyra Crescent, Northbridge |
| 19/10/2021 | 2 | P423  | North Bridge     | Sandstone | 36  | 6 Boyra Crescent, Northbridge |
| 20/10/2021 | 2 | P424  | North Bridge     | Sandstone | 18  | 6 Boyra Crescent, Northbridge |
| 21/10/2021 | 2 | P425  | North Bridge     | Sandstone | 36  | 6 Boyra Crescent, Northbridge |
| 22/10/2021 | 2 | P426  | North Bridge     | Sandstone | 36  | 6 Boyra Crescent, Northbridge |
| 25/10/2021 | 2 | P427  | North Bridge     | Sandstone | 54  | 6 Boyra Crescent, Northbridge |
| 27/10/2021 | 2 | P428  | North Bridge     | Sandstone | 54  | 6 Boyra Crescent, Northbridge |
| 28/10/2021 | 2 | P429  | North Bridge     | Sandstone | 54  | 6 Boyra Crescent, Northbridge |
| 29/10/2021 | 2 | P430  | North Bridge     | Sandstone | 36  | 6 Boyra Crescent, Northbridge |
| 30/10/2021 | 2 | P431  | North Bridge     | Sandstone | 18  | 6 Boyra Crescent, Northbridge |
| 14/09/2021 | 2 | P397  | North Kellyville | Sandstone | 858 |                               |
| 15/09/2021 | 2 | P399  | North Kellyville | Sandstone | 852 |                               |
| 16/09/2021 | 2 | P402A | North Kellyville | Sandstone | 198 |                               |
| 2/03/2022  | 2 | P455  | Queenscliff      | Sandstone | 18  | 1372-WCA-02-151221-VIF        |
| 3/03/2022  | 2 | P457  | Queenscliff      | Sandstone | 60  | 1372-WCA-02-151221-VIF        |
| 14/03/2022 | 2 | P458  | Queenscliff      | Sandstone | 27  | 1372-WCA-02-151221-VIF        |

| VENM Summary 2021-2022 for Pit 2 |     |                |                                 |           |       |                           |
|----------------------------------|-----|----------------|---------------------------------|-----------|-------|---------------------------|
| Date                             | Pit | Logbook Number | Name of Site material came from | Product   | Total | Certificate Number Tonnes |
| 15/03/2022                       | 2   | P459           | Queenscliff                     | Sandstone | 36    | 1372-WCA-02-151221-VIF    |
| 17/03/2022                       | 2   | P460           | Queenscliff                     | Sandstone | 20    | 1372-WCA-02-151221-VIF    |
| 18/03/2022                       | 2   | P462           | Queenscliff                     | Sandstone | 8     | 1372-WCA-02-151221-VIF    |
| 21/03/2022                       | 2   | P464           | Queenscliff                     | Sandstone | 16    | 1372-WCA-02-151221-VIF    |
| 25/03/2022                       | 2   | P468           | Queenscliff                     | Sandstone | 10    | 1372-WCA-02-151221-VIF    |
| 29/03/2022                       | 2   | P474           | Queenscliff                     | Sandstone | 10    | 1372-WCA-02-151221-VIF    |

|            |   |       |                 |                     |              |   |
|------------|---|-------|-----------------|---------------------|--------------|---|
| 30/03/2022 | 2 | P476  | Queenscliff     | Sandstone           | 10           | 1372-WCA-02-151221-VIF  |
| 31/03/2022 | 2 | P479  | Queenscliff     | Sandstone           | 24           | 1372-WCA-02-151221-VIF  |
| 1/04/2022  | 2 | P484  | Queenscliff     | Sandstone           | 10           | 1372-WCA-02-151221-VIF  |
| 7/04/2022  | 2 | P485  | Queenscliff     | Sandstone           | 24           | 1372-WCA-02-151221-VIF  |
| 11/04/2022 | 2 | P490  | Queenscliff     | Sandstone           | 12           | 1372-WCA-02-151221-VIF  |
| 13/05/2022 | 2 | P2006 | Queenscliff     | Sandstone           | 12           | 1372-WCA-02-151221-VIF  |
| 23/06/2022 | 2 | P2023 | Queenscliff     | Sandstone           | 20           | 1372-WCA-02-151221-VIF  |
| 24/06/2022 | 2 | P2024 | Queenscliff     | Sandstone           | 30           | 1372-WCA-02-151221-VIF  |
| 27/06/2022 | 2 | P2025 | Queenscliff     | Sandstone           | 10           | 1372-WCA-02-151221-VIF  |
| 2/07/2021  | 2 | P344  | Queenscliff     | Sandstone           | 90           | Soil Classification – 5 Dalley Street, Queenscliff, NSW. 2096 |
| 5/07/2021  | 2 | P347  | Queenscliff     | Sandstone           | 108          | Soil Classification – 5 Dalley Street, Queenscliff, NSW. 2096 |
| 7/07/2021  | 2 | P350  | Queenscliff     | Sandstone           | 108          | Soil Classification – 5 Dalley Street, Queenscliff, NSW. 2096 |
| 9/07/2021  | 2 | P351  | Queenscliff     | Sandstone           | 72           | Soil Classification – 5 Dalley Street, Queenscliff, NSW. 2096 |
| 31/03/2022 | 2 | P478  | Revesby Heights | Sandstone           | 112          | AG-659_1  |
| 1/04/2022  | 2 | P483  | Revesby Heights | Sandstone           | 120          | AG-659_1  |
| 8/04/2022  | 2 | P487  | Revesby Heights | Sandstone           | 240          | AG-659_1  |
| 11/04/2022 | 2 | P488  | Revesby Heights | Sandstone           | 160          | AG-659_1  |
| 26/04/2022 | 2 | P496  | Revesby Heights | Sandstone           | 72           | AG-659_1  |
| 12/07/2021 | 2 | P354  | Roseville       | Sandstone           | 102          | Visual VENM Report – 15 Glen St Roseville NSW                 |
| 13/07/2021 | 2 | P356  | Roseville       | Sandstone           | 108          | Visual VENM Report – 15 Glen St Roseville NSW                 |
| 14/07/2021 | 2 | P358  | Roseville       | Sandstone           | 54.75        | Visual VENM Report – 15 Glen St Roseville NSW                 |
| 15/07/2021 | 2 | P359  | Roseville       | Sandstone           | 36           | Visual VENM Report – 15 Glen St Roseville NSW                 |
| 7/08/2021  | 2 | P362  | Roseville       | Sandstone           | 36           | Visual VENM Report – 15 Glen St Roseville NSW                 |
| 9/08/2021  | 2 | P364  | Roseville       | Sandstone           | 18           | Visual VENM Report – 15 Glen St Roseville NSW                 |
| 11/08/2021 | 2 | P366  | Roseville       | Sandstone           | 36           | Visual VENM Report – 15 Glen St Roseville NSW                 |
| 12/08/2021 | 2 | P368  | Roseville       | Sandstone           | 57           | Visual VENM Report – 15 Glen St Roseville NSW                 |
| 13/08/2021 | 2 | P369  | Roseville       | Sandstone           | 57           | Visual VENM Report – 15 Glen St Roseville NSW                 |
| 17/08/2021 | 2 | P370  | Roseville       | Sandstone           | 57           | Visual VENM Report – 15 Glen St Roseville NSW                 |
| 18/08/2021 | 2 | P373  | Roseville       | Sandstone           | 38           | Visual VENM Report – 15 Glen St Roseville NSW                 |
| 19/08/2021 | 2 | P374  | Roseville       | Sandstone           | 38           | Visual VENM Report – 15 Glen St Roseville NSW                 |
| 20/08/2021 | 2 | P375  | Roseville       | Sandstone           | 212.8        | Visual VENM Report – 15 Glen St Roseville NSW                 |
| 23/08/2021 | 2 | P377  | Roseville       | Sandstone           | 12           | Visual VENM Report – 15 Glen St Roseville NSW                 |
| 26/08/2021 | 2 | P386  | Roseville       | Sandstone           | 12           | Visual VENM Report – 15 Glen St Roseville NSW                 |
| 27/08/2021 | 2 | P381  | Roseville       | Sandstone           | 207          | Visual VENM Report – 15 Glen St Roseville NSW                 |
| 30/08/2021 | 2 | P383  | Roseville       | Sandstone           | 36           | Visual VENM Report – 15 Glen St Roseville NSW                 |
| 31/08/2021 | 2 | P384  | Roseville       | Sandstone           | 18           | Visual VENM Report – 15 Glen St Roseville NSW                 |
| 15/09/2021 | 2 | P401A | Vaucluse        | Sandstone           | 121          |   |
| 5/11/2021  | 2 | P434  | West Ryde       | Sandstone           | 18           |   |
| 27/05/2022 | 2 | P2016 | Willoughby      | Sandstone           | 212.5        | E491- VENM  |
| 31/05/2022 | 2 | P2017 | Willoughby      | Sandstone           | 138          | E491- VENM  |
| 6/06/2022  | 2 | P2019 | Willoughby      | Sandstone           | 360          | E491- VENM  |
| 2/03/2022  | 2 | P454  | Willoughby      | Sandstone           | 108          | E491- VENM  |
| 3/03/2022  | 2 | P456  | Willoughby      | Sandstone           | 162          | E491- VENM  |
|            |   |       |                 |                     |              |   |
|            |   |       |                 | <b>Total Tonnes</b> | <b>70951</b> |   |