

# FILE NOTE

## Development Assessment

**Application No** DA-2009/1636  
**Location** Lot 2 Jarvie Road, CRINGILA NSW 2502, Lot 41 Jarvie Road, CRINGILA NSW 2502, 133-141 Five Islands Road, CRINGILA NSW 2502  
Lot 2 DP 217590, Lot 41 DP 841437, Lot 42 DP 841437  
**Description** Resource recovery centre  
**Date** 29 July 2010  
**Subject** Referral from Environment 2  
**Notes**

Based on a review of the information registered in TRIM from 22 April 2010 until 28 July 2010, and discussions with Tracey McAndrew from the Department of Environment, Climate Change and Water (DECCW) on 22 July 2010 and 29 July 2010 and Rachel Harrison on 22 July 2010, the following comments are provided on the applicant's response to Council's letter dated 15 March 2010 that included requests for additional information from Council's Environment Section:

### Generally

- a. In order to satisfactorily address the dust and noise issues, consideration must be given to the enclosing of the crusher and sieving operations/facilities. Details in this regard are to be submitted.

### Summary of Applicant's Response:

As the crusher is mobile, it cannot be fully enclosed (refer to page 6 of the *Supplementary Report* prepared by Siteplus dated April 2010).

The crusher proposed for the site has its own water spray system incorporated in the design of the machine (refer to page 6 of the *Supplementary Report*).

Regular watering of material stockpiles is proposed (refer to page 19 of the *Supplementary Report*).

No crushing or processing activities will take place on the site in windy weather conditions (refer to page 19 of the *Supplementary Report*).

A report titled *Air Quality Impact Assessment for Proposed Resource Recovery Centre at Jarvie Road Cringila* prepared by PAEHolmes dated 18 April 2010 (refer to Appendix B of the *Supplementary Report*) and a report titled *Air Quality Impact Assessment for Proposed Resource Recovery Centre at Jarvie Road Cringila - Response to NSW DECCW Comments* prepared by PAEHolmes dated 31 May 2010 have been submitted.

The *Air Quality Impact Assessment Report* contains modelling, a number of mitigation measures and concludes that:

- the proposed development would have a small contribution to dust levels in the area;
- would comply with NSW DECCW objectives for air quality; and
- would have a low risk of potential exceedences of DECCW criteria.

5.5 metre high 150 mm thick reinforced precast concrete panel noise barriers to the north and south of the proposed location of crusher (height of the crusher is 3.2 metres) are proposed to be constructed (refer to page 9 of the *Supplementary Report* and Detail Sheet Drawing No. 07142.C05 Revision C prepared by Siteplus dated 15 December 2009 in Appendix H of the *Supplementary Report*).

### Comment:

The DECCW considers the details contained in the *Supplementary Report* and the above mentioned *Air Quality Impact Assessment* reports address the relevant issues and inadequacies previously raised by DECCW (their letter to Council dated 19 July 2010).

The information provided indicates dust and noise issues can be satisfactorily addressed without fully enclosing the crusher and sieving operations/facilities.

The Operational Environmental Management Plan (OEMP) will need to define the windy weather conditions (eg trigger wind speeds, wind direction) when no crushing or processing activities will take place.

## **Air Quality**

- b. An amended site plan showing the sealing of access and internal working roads.

### Summary of Applicant's Response:

It is considered that sealing of the trafficked areas will create a maintenance burden and possibly exacerbate potential dust issues on the site. Internal roads will not be sealed but the trafficked areas will be regularly graded, watered and treated with a dust suppressant spray when warranted (refer to page 7 of the *Supplementary Report*).

### Comment:

The response provided is considered reasonable, and Council should not insist on the sealing of internal access roads for the reason of dust control.

## **Air Quality**

- c. Details of the proposed actions to monitor dust and particulates against DECCW's criteria are to be submitted.

### Summary of Applicant's Response:

Details of the proposed action to monitor dust and particulates against DECCW's criteria will be determined by the General Terms of Approval issued by the DECCW for the Environment Protection Licence (EPL). These actions will be incorporated into the OEMP for the Project Site and reported to the DECCW and the consent authority in accordance with any conditions of consent and the EPL (refer to page 7 of the *Supplementary Report*).

### Comment:

The response provided is considered reasonable. Interestingly, DECCW's General Terms of Approval (issued 19 July 2010) contain no limits for dust and particulates, and no requirements for dust monitoring. Wind direction and wind speed, however will be required to be monitored. The three conditions of General Terms of Approval specifically about air quality state:

- 6.1 The premises must be maintained in a condition which minimises or prevents the emission of dust from the premises.
- 6.2 All activities must be undertaken in a manner that minimises or prevents dust emissions from the site.
- 6.3 The water sprays must be operated at all times during the operation of the screening and crushing plant.

According to Tracey McAndrew of DECCW, should dust become an issue, then a requirement for dust deposition monitoring could be added to the Environment Protection Licence at a later date. Due to the various sources of dust in the area, dust deposition monitoring will be of limited value however, as there will be difficulties distinguishing between dust emitted from the premises and dust from the other sources.

## **Noise and Vibration**

- d. The *Environmental Noise Impact* report submitted with the application is inadequate to determine potential noise impacts. A revised *Environmental Noise Impact* report that fully considers all proposed activities (ie all the machinery proposed on the site, and the noise from trucks and machinery movements), matching those contained in the Environmental Impact Statement, and that addresses DECCW's additional information requirements.

### Summary of Applicant's Response:

An *Environmental Noise Impact* report (report number 3295 Rev B) prepared by Day Design dated 19 April 2010 has been submitted (refer to Appendix C of the *Supplementary Report*).

The noise of the mobile crusher, excavator/loader, truck unloading, and truck arriving/departing are used in calculations in the report.

### Comment:

Truck unloading is an additional noise source that was not included in calculations in the previously submitted report (report number 3295 Rev A dated 11 December 2009).

The revised *Environmental Noise Impact* report does not consider the noise from the machinery to be used

for screening road chipping bituminous material and the mulching of tree stumps and timber. The noise from the crusher, excavator/loader and trucks unloading is, however likely to mask the noise from the machinery to be used for screening road chipping bituminous material and the mulching of tree stumps and timber.

The report recommends construction a sound barrier just south and *east* (emphasis added) of where the crusher will be operating, not north and south as the applicant proposes.

The proposed sound barrier to the north may assist with dust control.

According to Concept Layout Plan/Drainage Plan Drawing No. 07142.C01 Revision C prepared by Siteplus dated 15 December 2009 in Appendix H of the *Supplementary Report*, the proposed southern sound barrier extends past the end of the crusher towards the east.

The DECCW has not raised any concerns about the most recently submitted *Environmental Noise Impact* report in its letter to Council dated 19 May 2010.

### Noise and Vibration

- e. Vibration has not been adequately addressed in the information provided with the application. Details of the consideration of vibration with reference to *Assessing Vibration: A Technical Guidelines* (DEC, 2006).

#### Summary of Applicant's Response:

Section 5.0 Acceptable Vibration Levels of the *Environmental Noise Impact* report concludes that due to the distance between the proposed site and the nearest residences, the vibration from the proposed activities is unlikely to exceed the criteria and in the author's opinion monitoring will not be required.

The DECCW has not raised vibration as an issue with the proposed operations (refer to page 9 of the *Supplementary Report*).

#### Comment:

The response provided is considered reasonable.

### Waste Management

- f. Details of how all the waste materials currently on-site will be dealt with by the proposed resource recovery centre.

#### Summary of Applicant's Response:

Table 5.2 Details of Materials Currently on Project Site on page 11 of the *Supplementary Report* gives the origin, tonnage and destination of the material on site.

#### Comment:

The details provided are considered acceptable.

### Biodiversity and Threatened Species Management

- g. The presence of *Cynanchum elegans* on Lot 2 DP 217590 cannot be discounted, and it may be subject to direct and/or indirect impacts from the proposed development. The results of a targeted search for the threatened species *Cynanchum elegans* on Lot 2 DP 217590, and if found, an Assessment of Significance prepared in accordance with *Threatened Species Assessment Guidelines: The Assessment of Significance* (DECC, 2007) is to be undertaken.

#### Summary of Applicant's Response:

In the searches mid-April 2010, *Cynanchum elegans* was not found on the subject site. However, during the 2010 searches the species was found within the adjoining property to the east (refer to page 3 of the *Flora and Fauna Matters Raised by Council* report prepared by Kevin Mills & Associates dated April 2010 - Appendix F of the *Supplementary Report*).

The Assessment of Significance for *Cynanchum elegans* concludes the proposed development is not likely to have a significant effect on *Cynanchum elegans* (or its habitat) (refer to page 5 of the *Flora and Fauna Matters Raised by Council* report).

Comment:

No information has been provided on the level of effort, method, or the actual date(s) of the targeted search for *Cynanchum elegans*. Moreover the location of the ramet(s) is not accurately stated. The DECCW has published a set of guidelines for *Cynanchum elegans*. The recommended process in the guidelines was not followed in the Assessment of Significance carried out by Kevin Mills & Associates.

Although it is recognised that the *Cynanchum elegans* ramet recorded by Kevin Mills & Associates is located in the adjacent Council owned property, it is requested that its conservation and protection be considered in the as yet to be prepared Vegetation Management Plan (refer to page 16 of the *Supplementary Report*), particularly in the context of any indirect impacts that may originate from the subject site. In preparing the Vegetation Management Plan, reference should be made to Burgess, M. and Lee, A. (2006) *Vegetation Survey - Cringila Park*.

**Biodiversity and Threatened Species Management**

- h. The DECCW has identified that Illawarra Subtropical Rainforest does exist on Lot 2 DP 217590, and that it may be subject to direct and/or indirect impacts from the proposed development. Mapping of the patches of the endangered ecological community Illawarra Subtropical Rainforest on Lot 2 DP 217590, and an Assessment of Significance for this endangered ecological community prepared in accordance with *Threatened Species Assessment Guidelines: The Assessment of Significance* (DECC, 2007) is required to be undertaken.

Summary of Applicant's Response:

Figure 1 on page 2 of the *Flora and Fauna Matters Raised by Council* report maps the location of two patches of rainforest plants on lot 2 DP 217590.

The Assessment of Significance for the Illawarra Subtropical Rainforest concludes the proposed development is not likely to have a significant effect on the Illawarra Subtropical Rainforest (or its habitat) (refer to pages 5 and 6 of the *Flora and Fauna Matters Raised by Council* report).

Comment:

No details are provided on the effort and method used to determine the area of the patches of rainforest plants, and the date when the areas were determined.

Otherwise, the information provided is considered acceptable.

**Biodiversity and Threatened Species Management**

- i. The *Green and Golden Bell Frog Assessment and Survey* report submitted with the application is considered inadequate. A revised *Green and Golden Bell Frog Assessment and Survey* report containing the results of surveys carried out at more suitable times of the year and weather conditions in accordance with *Threatened Species Survey and Assessment Guidelines: Field Survey Methods for Amphibians* (DECCW, 2009).

Summary of Applicant's Response:

An *Amphibian Survey* report prepared Lesryk Environmental Consultants dated 15 April 2010 (Appendix E of the *Supplementary Report*) has been submitted.

A field survey was carried out on 8 April 2010 from 16.00 hours through to 20.00 hours (night fall was around 18.00 hours).

The weather conditions experienced during the field survey were: Overcast skies (100% cloud cover), warm temperatures (21.9°C) and no winds (diurnal investigation); and overcast skies (100% cloud cover), warm temperatures (22.3°C) and light south westerly breezes (nocturnal investigation).

Comment:

The submitted report is considered adequate.

The DECCW have not raised any concerns about the *Amphibian Survey* report in their letter to Council dated 19 May 2010.

## **Biodiversity and Threatened Species Management**

- j. Insufficient details have been provided with the application to determine the suitability of the design of the proposed green and golden bell frog habitat ponds. Details of how the specifications for the proposed green and golden bell frog habitat ponds were determined, with reference to *Best Practice Guidelines - Green and Golden Bell Frog Habitat* (DECC, 2008).

### Summary of Applicant's Response:

Page 14 of the *Supplementary Report* states that the green and golden bell frog habitat was designed after consultation with the DECCW and the Environmental Section of Bluescope Steel, and that the following documents were used to develop and design the construction of the ponds: *Best Practice Guidelines - Green and Golden Bell Frog Habitat* (DECC, 2008), *Management Plan for the Green and Golden Bell Frog at Bluescope Steel, Port Kembla* (Gaia Research Pty Ltd, 2008) and *Protecting and Restoring Green and Golden Bell Frog Habitat* (DECC, 2008).

The *Amphibian Survey* report (Appendix E of the *Supplementary Report*) makes reference to the recommendations for frog habitat contained in *Protecting and restoring green and golden bell frog habitat* (DECC, 2008), and concludes the structure of the proposed habitat pond is considered to meet the lifecycle needs of the green and golden bell frog.

The Pond Detail Plant Schedules Drawing No. L02/02 prepared by Siteplus dated 19 April 2010 (Appendix G of the *Supplementary Report*) makes reference to *Best Practice Guidelines - Green and Golden Bell Frog Habitat* (DECC, 2008).

### Comment:

While the *Amphibian Survey* report makes reference to *Protecting and restoring green and golden bell frog habitat* (DECC, 2008) rather than to *Best Practice Guidelines - Green and Golden Bell Frog Habitat* (DECC, 2008), both documents contain similar recommendations for frog habitat.

Otherwise, the details provided are considered acceptable.

## **Biodiversity and Threatened Species Management**

- k. Insufficient details have been provided with the application to determine how the proposed green and golden bell frog habitat ponds will be effectively managed. Details of the water supply, and general management (and who will be responsible for the general management) of the proposed green and golden bell frog habitat ponds.

### Summary of Applicant's Response:

Water supply to the ponds will be low flows piped from the sediment pond (refer to Detail Sheet Drawing No. 07142.C05 Revision C prepared by Siteplus dated 15 December 2009 in Appendix H of the *Supplementary Report*).

The OEMP will detail the long term protection and maintenance of the green and golden bell frog ponds in accordance with the approved Engineering and Landscape Plans (refer to page 21 of the *Supplementary Report*).

The Site Manager is to be responsible for overseeing all protection and maintenance on the site with regard to the green and golden bell frogs and vegetation (refer to page 21 of the *Supplementary Report*).

Maintenance of the ponds will be conducted in the cooler months of the year (refer to page 21 of the *Supplementary Report*).

The Site Manager has responsibility for the site in terms of identifying the presence of threatened species (eg green and golden bell frogs), capture and relocation to frog habitat in accordance with frog handling protocols (refer to page 21 of the *Supplementary Report*).

The Pond Detail Plant Schedules Drawing No. L02/02 prepared by Siteplus dated 19 April 2010 (Appendix G of the *Supplementary Report*) states weed control for the habitat ponds should be carried out during the cooler months (April - August) when frogs are less active and that no machines such as whipper snippers should be used in habitat area.

Comment:

The OEMP will need to state that any pond maintenance can only be carried out by person(s) inducted to the site and who have an awareness of the appearance and behaviour of green and golden bell frogs, as well as current practices to restrict the spread of chytrid fungus.

The OEMP will need to state that weed control around the habitat ponds must be by hand only.

Otherwise, the details provided are considered acceptable.

**Biodiversity and Threatened Species Management**

1. Due to the presence of the endangered ecological community Illawarra Subtropical Rainforest on Lot 2 DP 217590, and the current extent of the weed infestation, weed control within the leased quarry area, as well as in the surrounding area, revegetation area is required. The *Landscape Plan Issue 4* does not contain sufficient details to fully address all issues relating to the revegetation and maintenance of the proposed revegetation area.

A Vegetation Management Plan prepared by a suitably qualified and experienced ecological restoration or bush regeneration contractor to include weed management within the leased quarry area (not just in the proposed revegetation area), and giving further details about the proposed revegetation works, including a works program (including priorities, recommended actions and time frames), resources required (human, technical and mechanical), a five year maintenance period (instead of a minimum maintenance period of 52 weeks), photographic monitoring points identified on a site plan, annual reporting to Council and table of costs.

Summary of Applicant's Response:

All noxious weeds and environmental weeds to be controlled within the project site and at the edges (refer to page 21 of the *Supplementary Report*).

It is not the intention to include the two areas of Illawarra Subtropical rainforest in the lease area (refer to page 16 of the *Supplementary Report*).

A Vegetation Management Plan prepared by a suitably qualified and experienced person has not been prepared at this stage. It is considered that the management issues raised in Council's letter are appropriate heads of consideration for a Vegetation Management Plan once the lease area has been defined and an appropriate Plan can be determined. This could be a condition of consent on any approval once the final lease area is known and responsibility for the remnant vegetation patches is determined (refer to page 16 of the *Supplementary Report*).

Comment:

The response provided is considered reasonable.

**Land Contamination - Asbestos**

- m. Asbestos has been previously identified on the site, and documented evidence from a competent occupational hygienist stating that asbestos is no longer present on Lot 2 DP 217590 will give certainty. In this regard a certificate from a competent occupational hygienist stating that there is no asbestos present on Lot 2 DP 217590.

Summary of Applicant's Response:

A *Limited Walk Over Inspection Report* prepared by Heggies dated 15 April 2010 has been submitted (refer to Appendix D of the *Supplementary Report*).

Two (2) soil samples were collected from the soil stockpiles in the lower quarry, and two from the soil stockpiles in the upper quarry. Analysis did not detect the presence of asbestos within these samples.

Approximately 18 fragments of asbestos cement sheeting identified on the ground surface were removed by an employee of Affective Services and prepared for disposal.

No part of the visual inspection involved sub-surface investigations.

Heggies cannot guarantee that all asbestos hazards have been identified. It is possible that asbestos materials are present in areas that were inaccessible/visually obscured during the inspection.

If any asbestos containing/suspected asbestos containing materials are encountered on site, access to the materials should be appropriately restricted and advice sought from a suitably qualified and experienced

consultant.

Due to the short timeframe imposed by Council to address all the issues in the letter dated 15 March 2010, a more detailed site investigation was not possible at this time (refer to page 12 of the *Supplementary Report*).

Comment:

Asbestos potentially still remains on the site.

The OEMP will need to state what must be done if asbestos containing materials are encountered on site.

Otherwise, the response provided is considered acceptable.

**Water Quantity and Quality Management**

- n. While on-site capture of water in the sediment pond is proposed, and some of this water will be pumped to a water storage tank, and a water tanker is proposed to be available on the site in times of drought to cart water and wet down the active processing areas and roadways, a sizable quantity of water will be required to control dust. Further details of how sufficient quantities of water can be provided at all times of the year to adequately control dust.

Summary of Applicant's Response:

This has already been addressed in Section 6.4 of the Environmental Impact Statement. All water runoff will be captured and contained in the water quality control pond. This water will then be pumped to the water tanks on the site for use in dust suppression around the processing areas and on the trafficked roads. During prolonged dry periods this system will be augmented by carting water to the site to top up the ponds and water tanks to ensure a continuous supply of water for dust suppression. A water tanker truck will be available on the site at all times to cart water and wet down the crushing area and active processing areas and roadways.

Comment:

The details provided are considered acceptable.

**Water Quantity and Quality Management**

- o. The contours of the area indicate sizeable earthworks will be required. Details of the construction of the sediment pond including relevant cross sections.

Summary of Applicant's Response:

Sediment Pond Details Drawings Numbers 07142.C02 and 07142.C03 Revisions C prepared by Siteplus dated 15 December 2009 (contained within Appendix H of the *Supplementary Report*) have been submitted.

Comment:

The reference to Section B on Sediment Pond Details Drawing No. 07142.C03 Revision C prepared by Siteplus dated 15 December 2009 should be replaced by reference to Section C.

Otherwise, the information provided is considered acceptable.

**Water Quantity and Quality Management**

- p. Details of the erosion and sediment controls to be implemented for the construction of the sediment pond and frog habitat ponds are required to be submitted.

Summary of Applicant's Response:

Sediment and Erosion Control Plan Drawing No. 07142.C04 Revision C prepared by Siteplus dated 15 December 2009 (in Appendix H of the *Supplementary Report*) has been submitted.

Sediment fence is to be provided at the base of pond works.

Comment:

The details provided are considered acceptable.

## Water Quantity and Quality Management

- q. Details of how any liquids collected in the bunded machinery and fuel compound, and how any overflows from the bunded machinery storage area and oil sump will be managed is required to be submitted.

### Summary of Applicant's Response:

According to Detail Sheet Drawing No. 07142.C05 Revision C prepared by Siteplus dated 15 December 2009 (found in Appendix H of the *Supplementary Report*), a 1.2mX1.2mX1.5m sump in the machinery and fuel storage yard is to be pumped out after storm events.

### Comment:

The details requested remain outstanding.

In addition, the 1 metre high by 6 metre wide earth mound bunding as proposed (refer to Detail Sheet Drawing No. 07142.C05 Revision C prepared by Siteplus dated 15 December 2009 in Appendix H of the *Supplementary Report*), is not in accordance with the DECCW's recommendations. The walls and floor of the bunded areas should be constructed of impervious material and construction of the bunds should comply with Australian Standard 1940-1993 *The Storage and Handling of Flammable and Combustible Liquids*.

The DECCW has included the following condition about bunding in their General Terms of Approval:

The applicant must store all chemicals, fuels and oils used on site in an appropriately designed impervious bunded area that contains 110 per cent of the largest container contained within the bund. These bunds shall be designed and installed in accordance with requirements of all relevant Australian Standards, and/or DECCW's Environment Protection Manual Technical Bulletin Bunding and Spill Management.

Oil separators should be installed in the bunded machinery and fuel compound and the machinery storage yard.

The management of the bunded areas and the management of spills and leaks should be included in the OEMP.

## Water Quantity and Quality Management

- r. Details of the proposed actions to monitor the quality of any water to be discharged against DECCW's water quality criteria is required to be submitted.

### Summary of Applicant's Response:

The proposed actions to monitor water quality against the DECCW's water quality criteria cannot be addressed at this stage as it is dependent on the General Terms of Approval issued by the DECCW for the EPL and the licence discharge point and any conditions issued by the consent authority. All requirements will be complied with by the proponent with details outlined in the final Operational Environmental Management Plan and annual reporting to the DECCW as part of the EPL (refer to page 17 of the *Supplementary Report*).

### Comment:

The response provided is considered reasonable. Interestingly, the DECCW does not include any requirement for water quality monitoring in its General Terms of Approval. One of conditions of the General Terms of Approval however, states:

The applicant must comply with section 120 of the *Protection of the Environment Operations Act 1997*. Section 120 of the POEO Act prohibits the pollution of waters.

According to Tracey McAndrew of DECCW, should the discharge from the sediment pond become an issue, then a requirement for water quality monitoring could be added to the Environment Protection Licence at a later date.



## CONCLUSION

The following remains outstanding from Council's letter dated 15 March 2010:

### Water Quantity and Quality Management

- q. Details of how any liquids collected in the bunded machinery and fuel compound, and how any overflows from the bunded machinery storage area and oil sump will be managed is required to be submitted.

The management of the bunded areas and the management of spills and leaks can, however be addressed in the OEMP.

In addition:

Oil separators should be installed in the bunded machinery and fuel compound and the machinery storage yard.

The reference to Section B on Sediment Pond Details Drawing No. 07142.C03 Revision C prepared by Siteplus dated 15 December 2009 should be replaced by reference to Section C.

Although it is recognised that the *Cynanchum elegans* ramet recorded by Kevin Mills & Associates is located in the adjacent Council owned property, it is requested that its conservation and protection be considered in the as yet to be prepared Vegetation Management Plan (refer to page 16 of the *Supplementary Report*), particularly in the context of any indirect impacts that may originate from the subject site. In preparing the Vegetation Management Plan, reference should be made to Burgess, M. and Lee, A. (2006) *Vegetation Survey - Cringila Park*.

The DECCW's General Terms of Approval do not include any requirements for dust monitoring, water quality monitoring or an OEMP, or a limit on the periods of use of the crusher. A discussion with Tracey McAndrew from DECCW revealed that an OEMP is not a requirement for a resource recovery centre, and that if an OEMP was produced for the proposed resource recovery centre, DECCW would be able to review the OEMP, but would not be able to endorse or approve the OEMP.

Otherwise, should this application be approved, in addition to those conditions contained in DECCW's General Terms of Approval, usual relevant conditions about restricted hours of work (planner to delete the out of date reference to the EPA Environmental Noise manual) and no nuisance should be applied, together with the following recommended non-standard conditions:

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### Operational Environmental Management Plan

To ensure the environmental management, mitigation measures and monitoring of the site meets environmental best practice over time, prior to issue of the Construction Certificate, an Operational Environmental Management Plan (OEMP) that incorporates the requirements of the conditions of this development consent and the requirements of the Environment Protection Licence issued by the Department of Environment, Climate Change and Water shall be developed by a suitably qualified and experienced environmental consultant, or environmental consultancy and submitted to Council and the Department of Environment, Climate Change and Water (DECCW) for review.

The OEMP shall include, but not be limited to the following parameters:

- Air Quality (to include defining the windy weather conditions (eg trigger wind speeds, wind direction) when no crushing or processing activities will take place)
- Noise
- Traffic
- Water Quality/Water Quantity Management (to include management of the bunded areas and the management of spills and leaks)
- Waste Management (to include what must be done if asbestos containing materials are encountered on site)
- Site Security
- Green and Golden Bell Frog (to include any frog pond maintenance to be only carried out by person(s) inducted to the site and who have an awareness of the appearance and behaviour of green and golden bell frogs, as well as current practices to restrict the spread of chytrid fungus)

and weed control around the habitat ponds by hand only)

- Vegetation Management
- Employee/Contractor/Subcontractor Induction
- OHS Plan
- Site Compliance, Monitoring and Annual Reporting
- OEMP Review and Updating

4.000

**Oil Separators for Bunded Machinery and Fuel Compound and the Machinery Storage Yard**

Oil separators shall be installed in the bunded machinery and fuel compound and the machinery storage yard.

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**Compliance with Recommendations of the Air Quality Impact Assessment Report**

The mitigation measures contained in Section 5 of the report titled *Air Quality Impact Assessment for Proposed Resource Recovery Centre at Jarvie Road Cringila* prepared by PAEHolmes and dated 18 April 2010 shall be implemented and maintained, except where amended by other conditions of this consent.

4.000

**Construction of Noise Barrier**

The noise barrier for the crusher shall be constructed in accordance with Concept Layout Plan/Drainage Plan Drawing No. 07142.C01 Revision C prepared by Siteplus dated 15 December 2009 and Detail Sheet Drawing No. 07142.C05 Revision C prepared by Siteplus dated 15 December 2009.

4.000

**Internal Access Roads**

Internal access roads shall be constructed in such a way so they can be maintained in a manner that will minimise the generation of dust during the operational phase of the development.

4.000

**Control of Noxious and Environmental Weeds**

All noxious and environmental weeds within the lease area shall be controlled by recognised methods.