

# Project Approval

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

I approve the Development Application referred to in Schedule 1, subject to the conditions specified in Schedule 2.

These conditions are required to:

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

Frank Sartor MP  
**Minister for Planning**

Sydney

6 November 2007

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*The Department has prepared a consolidated version of the approval which is intended to include all modifications to the original determination instrument.*

*The consolidated version of the approval has been prepared by the Department with all due care. This consolidated version is intended to aid the approval holder by combining all approvals relating to the original determination instrument but it does not relieve a consent holder of its obligation to be aware of and fully comply with all approval obligations as they are set out in the legal instruments, including the original determination instrument and all subsequent modification instruments.*

# CONSOLIDATED APPROVAL

## SCHEDULE 1

**Application Number:** MP06\_0239

**Applicant:** Veolia Environmental Services (Australia) Pty Ltd

**Consent Authority:** Minister for Planning

**Site:** The parts of the following lots within the red boundary marked on the figure in Appendix 1:  
Lot 1 DP 241092  
Lots 33, 34, 69 & 97 DP 754919; and  
Lot 4 DP 830765

**Development:** Woodlawn Alternative Waste Technology Project

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### SUMMARY OF MODIFICATIONS

Application Number	Determination Date	Decider	Modification Description
MOD 1	17 June 2014	Planning Assessment Commission	MP 06_0239 MOD 1 to amend site layout and infrastructure, waste processing technology; and hours of operation.
MOD 2	9 April 2019	Executive Director, Key Sites and Industry Assessments	Construction and operation of a Solid Recovered Fuel (SRF) processing area and associated infrastructure
MOD 3	31 May 2024	Director, Industry Assessments	Construction and operation of a 15-16 megalitre leachate dam, including supporting infrastructure
MOD 4	22 July 2024	Team Leader, Industry Assessments	Expansion to the Organics Buffer Building

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### DEFINITIONS

<b>AEMR</b>	Annual Environmental Management Report
<b>Applicant</b>	<b>Veolia Environmental Services Pty Ltd</b>
<b>AQMP</b>	<b>Air Quality Management Plan</b>
<b>BCA</b>	Building Code of Australia
<b>CEMP</b>	<b>Construction Environmental Management Plan</b>
<b>Conditions of this Approval</b>	<b>Conditions contained in Schedule 2 to 6 of this approval</b>
<b>Construction</b>	<b>The demolition and removal of buildings or works, the carrying out of works for the purpose of the development, including bulk earthworks, and erection of buildings and other infrastructure permitted by this approval</b>
<b>Council</b>	<b>Goulburn Mulwaree Council and Queanbeyan-Palerang Council</b>
<b>Crisps Creek Intermodal Terminal</b>	The intermodal terminal off Bungendore Road near Tarago, approved by the Minister for Urban Affairs and Planning (DA 31-02-99) on 27 November 2000 (see figure in Appendix 3)
<b>Day</b>	The period from 7 am to 6 pm on Monday to Saturday, and 8 am to 6 pm on Sundays and public holidays
<b>Department</b>	<b>Department of Planning and Environment</b>
<b>Development Layout</b>	<b>The plans at Appendices 1 and 5 of this approval</b>
<b>DoI L&amp;W</b>	<b>Department of Industry - Lands &amp; Water Division</b>
<b>EA</b>	Environmental Assessment titled <i>Woodlawn Alternative Waste Technology Project</i> dated November <b>2005</b> , and the Response to Submissions dated May 2007, <b>as modified by MP06_0239 MOD 1 and MOD 2</b>
<b>Earthworks</b>	<b>Bulk earthworks, site levelling, import and compaction of fill material, excavation for installation of drainage and services, to prepare the site for construction</b>
<b>ENM</b>	<b>Excavated Natural Material</b>
<b>Environment</b>	<b>Includes all aspects of the surroundings of humans, whether affecting any human as an individual or in his or her social groupings</b>
<b>EPA</b>	<b>Environment Protection Authority</b>
<b>EP&amp;A Act</b>	<b><i>Environmental Planning and Assessment Act 1979</i></b>
<b>EP&amp;A Regulation</b>	<i>Environmental Planning and Assessment Regulation 2000</i>
<b>EPL</b>	Environment Protection Licence issued under the <i>Protection of the Environment Operations Act 1997</i>
<b>Evening</b>	The period from 6 pm to 10 pm
<b>FRNSW</b>	<b>Fire &amp; Rescue NSW</b>
<b>Garden Waste</b>	Source separated garden or related organic waste
<b>Hazardous Waste</b>	See definition POEO Act

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<b>Heavy Vehicle</b>	Any vehicle with a gross vehicle mass of 5 tonnes or more
<b>Incident</b>	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. Note: "material harm" is defined in this approval
<b>Industrial Waste</b>	See definition POEO Act
<b>Land</b>	Has the same meaning as the definition of the term in section 1.4 of the EP&A Act
<b>LGA</b>	Local government area
<b>Material Harm</b>	Harm that: <ul style="list-style-type: none"> <li>a) involves actual or potential harm to the health or safety of human beings or to the environment that is not trivial, or</li> <li>b) 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>
<b>MBT</b>	Mechanical Biological Treatment
<b>MBT Facility</b>	The Woodlawn Mechanical Biological Treatment facility off Collector Road approved by the Minister for Planning (MP 06_0239) on 6 November 2007
<b>Minister</b>	NSW Minister for Planning, or delegate
<b>Mitigation</b>	Activities associated with reducing the impacts of the development prior to or during those impacts occurring
<b>Mixed Waste</b>	Municipal solid waste or commercial waste that has been classified as inert or solid waste under schedule 1 of the POEO Act
<b>Modification Applications</b>	<ul style="list-style-type: none"> <li>• Modification application MP 06_0239 MOD 1, accompanying <i>Environmental Assessment</i> dated 20 January 2014 and <i>Response to Submissions</i> dated 6 March 2014 prepared by Veolia Environmental Services (Australia) Pty Ltd</li> <li>• Modification application titled <i>Modification of MP 06_0239 and MP 10_0012 to enable the construction and operation of a Solid Recovered Fuel (SRF) Processing Area within the Woodlawn Eco Precinct</i> prepared by SG Haddad Advisory and CW Strategic Planning Services dated July 2018 and <i>Response to Submissions</i> prepared by Veolia Environmental Services (Australia) Pty Ltd dated November 2018</li> <li>• Modification application <i>Woodlawn Mechanical Biological Treatment Facility Modification 3 Modification Report</i> prepared by Element Environment dated 5 September 2023 and <i>Woodlawn Mechanical Biological Treatment Facility Submissions Report</i> prepared by Element Environment dated 17 April 2024</li> <li>• <b>Modification application <i>Woodlawn Mechanical Biological Treatment Facility Modification 4 Modification Report</i> prepared by Element Environment dated 17 April 2024.</b></li> </ul>

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<b>Monitoring</b>	Any monitoring required under this approval must be undertaken in accordance with section 9.40 of the EP&A Act
<b>Night</b>	The period from 10pm to 7am on Monday to Saturday, and 10pm to 8am on Sundays and Public Holidays
<b>OEH</b>	NSW Office of Environment and Heritage
<b>OEMP</b>	Operational Environmental Management Plan
<b>Planning Secretary</b>	Planning Secretary under the EP&A Act, or nominee
<b>POEO Act</b>	Protection of the Environment Operations Act 1997
<b>Privately-owned land</b>	Land not owned by the <b>Applicant</b> or its related companies, or where a private agreement does not exist between the Applicant and the land owner
<b>Project</b>	Woodlawn Alternative Waste Technology Facility approved under MP 06_0239 and Woodlawn Solid Recovered Fuel Processing Area approved under MP 06_0239 MOD 1 and MP 06_0239 MOD 2
<b>SRF</b>	Solid Recovered Fuel
<b>SRF Processing Area</b>	The Woodlawn SRF Processing Area off Collector Road approved by the Executive Director, Key Sites and Industry Assessments (MP 06_0239 MOD 2)
<b>Statement of Commitments</b>	<b>Applicant's</b> commitments shown in Appendix 2
<b>VENM</b>	Virgin Excavated Natural Material
<b>Woodlawn Landfill</b>	The waste management facility off Collector Road approved by the Minister for Urban Affairs and Planning (DA 31-02-99) on 27 November 2000 (see figure in Appendix 3)
<b>Year</b>	a period of 12 consecutive months

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## SCHEDULE 2 GENERAL ADMINISTRATIVE CONDITIONS

### Obligation to Minimise Harm to the Environment

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

### Terms of Approval

#### 2. The Applicant shall carry out the project generally in accordance with the:

- (a) **Statement of Commitments;**
- (b) **All written directions of the Planning Secretary;**
- (c) **Modification Assessments;**
- (d) **The Development Layout in Appendices 1, 4 and 5; and**
- (e) **Conditions of this approval**

3. If there is any inconsistency between the above, then the conditions of this consent shall prevail to the extent of the inconsistency.
4. The **Applicant** shall comply with any reasonable requirement/s of the **Planning Secretary** arising from the Department's assessment of:
  - (a) any reports, plans, programs or correspondence that are submitted in accordance with this approval; and
  - (b) the implementation of any actions or measures contained in these reports, plans, programs or correspondence.

### Limits on Approval

5. Waste operations may only take place for 25 years from the commencement of operations on site.

*Note: Under this approval the **Applicant** is required to decommission the project upon the completion of waste operations, and rehabilitate the site to the satisfaction of the **Planning Secretary**. Consequently, this approval will continue to apply in all other respects other than the right to conduct waste operations on site until the site has been rehabilitated to a satisfactory standard.*

### Management Plans/Monitoring Programs

6. With the approval of the **Planning Secretary**, the **Applicant** may submit any management plan or monitoring program required by this approval on a progressive basis.

### Structural Adequacy

7. The **Applicant** shall ensure that any new buildings and structures, and any alterations or additions to existing buildings and structures, are constructed in accordance with the relevant requirements of the BCA.

#### Notes:

- *Under Part 4A of the EP&A Act, the Applicant is required to obtain construction and occupation certificates for any building works.*
- *Part 8 of the EP&A Regulation sets out the detailed requirements for the certification of project.*

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### Demolition

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

### Operation of Plant and Equipment

9. The **Applicant** shall ensure that the plant and equipment used on site, or in connection with the project, is:
  - (a) maintained in a proper and efficient condition; and
  - (b) operated in a proper and efficient manner.
10. Schedule 4 of this approval continues to apply to the MBT Facility until the commencement of operation of the SRF Processing Area at which time Schedule 6 will apply to both the MBT Facility and the SRF Processing Area.
11. Schedule 5 of this approval applies to construction and operation of the SRF Processing Area only.



## SCHEDULE 3

### SPECIFIC ENVIRONMENTAL CONDITIONS – WOODLAWN MECHANICAL BIOLOGICAL TREATMENT FACILITY

#### WASTE MANAGEMENT

##### Limits on Inputs

1. The **Applicant** shall only receive waste on site that has been railed to the Crisps Creek Intermodal Terminal from the Sydney Metropolitan Area. However, with the written approval of the **Planning Secretary** the **Applicant** may receive waste on site from LGAs outside the Sydney Metropolitan Area. In seeking this approval, the **Applicant** shall submit a detailed assessment of the potential impacts associated with the receipt of this waste, including the potential traffic and traffic noise impacts.
2. The **Applicant** shall not receive:
  - (a) more than:
    - 240,000 tonnes of mixed waste a year on site; and
    - 40,000 tonnes of garden waste on site; and
  - (b) waste on site that is:
    - contaminated by chemicals and/or pathogens that would not be rendered harmless by operations on site, or that may constitute a health or environmental risk, including clinical and related waste and diseased carcasses; and
    - classified as hazardous waste or industrial waste.

##### Waste Acceptance & Screening

3. The **Applicant** shall:
  - (a) implement suitable procedures to:
    - ensure that the site does not accept wastes that are prohibited; and
    - screen incoming waste loads; and
  - (b) ensure that:
    - all waste sludges and wastes that are controlled under a tracking system have the appropriate documentation prior to acceptance at the site; and
    - staff receive adequate training in order to be able to recognise and handle any hazardous or other unapproved waste.

##### Limits on Outputs

4. **Except for the following, the Applicant shall dispose of all outputs produced on site to the Woodlawn Landfill:**
  - (a) **recyclables extracted and delivered off-site for resource recovery purposes;**
  - (b) **restricted solid waste and hazardous waste extracted from the input waste stream and lawfully disposed of off-site; and**
  - (c) **compost output products approved for use under the POEO Act and Regulations.**

***Note: This approval does not alter the restrictions on input rates in the current approval for the Woodlawn Landfill in any way.***

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5. Within 3 years of commissioning the plant on site, or as directed by the **Planning Secretary**, the **Applicant** shall:
- (a) review the criteria in condition 4(c) above in consultation with the **EPA** with a view to moving to approved criteria under the POEO Act and Regulations or establishing criteria that are specifically appropriate for the use in mine rehabilitation at the adjoining Woodlawn mine; and
  - (b) comply with any revised criteria set under the POEO Act and Regulations or by the **Planning Secretary**.

### Monitoring

6. The **Applicant** shall prepare and implement a Waste Monitoring Program for the project to the satisfaction of the **Planning Secretary**. This program must:
- (a) be prepared in consultation with **EPA** by a suitably qualified and experienced expert; and
  - (b) include a suitable program to monitor the:
    - quantity, type and source of waste received on site; and
    - quantity, type and quality of the outputs produced on site.

### CONSTRUCTION, OPERATION, & REHABILITATION

#### Leachate Management System

7. The **Applicant must**:
- (a) ensure the floor of the waste processing building (see figure in Appendix 1) is comprised of a concrete pad that is at least 10cm thick;
  - (b) install a leachate barrier system on any surface to be used for the direct impoundment of leachate, such as the composting and other outdoor areas;
  - (c) ensure that this leachate barrier system:
    - has a re-compacted clay or modified soil layer that is at least 60 centimetres thick and has an in situ coefficient of permeability of less than  $1 \times 10^{-7}$  m/s, or some other suitable liner approved by **EPA**; and
    - drains to the leachate dams at a minimum gradient of 0.5%;
  - (d) collect all leachate in the leachate dams to prevent it from escaping from the site to surface water, groundwater or subsoil;
  - (e) treat all water from waste storage or handling areas, including the organic waste storage area, or that has been contaminated by leachate, as leachate;
  - (f) ensure that the leachate dams:
    - are capable of accepting a 1 in 10 year, 24 hour duration storm event without overflowing;
    - have a re-compacted clay or modified soil layer that is at least 90 centimetres thick and an in situ coefficient of permeability of less than  $1 \times 10^{-9}$  m/s, or some other suitable liner approved by **EPA**;
    - have sides with a slope of less than 1 vertical to 3 horizontal;
    - have a 0.5 metre freeboard at all times; **and**
    - **are fitted with a visible marker to indicate the bottom depth of the required freeboard.**
  - (g) **ensure the additional leachate dam to the south of the organic buffer building is constructed in accordance with the specifications and Construction Quality Assurance (CQA) Plan included in the document titled "Woodlawn MBT Leachate Storage Dam 2"**

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Technical Specification & CQA” prepared by Earth2Water Pty Ltd and dated 13 June 2023 (Report: E2W-0350 L001 v1);

(h) install a leak detection system prior to discharge of leachate into the additional leachate dam which monitors flows along all pipelines leading to the additional leachate dam. Any leaks detected must be contained, reported, investigated and rectified;

(i) provide a CQA Report to the EPA, Water NSW and the Planning Secretary prior to the discharge of leachate into the additional leachate dam. The CQA Report must confirm that the works were constructed in accordance with the approved designs and specifications and must contain:

- details of the works completed, including surveys, work-as-executed drawings, and an updated site plan showing the location of the works
- diary records by the CQA engineer giving details of the works progress, the rate of liner deployment, and any remedial actions that were taken
- a plan of HDPE liner panel deployment, showing locations of defects, repairs and tests
- photographs of all aspects and stages of the construction
- details and results of all material testing, including data and certifications provided by manufacturers of supplied materials
- details showing that the CQA Plan was followed
- an account of all variations from the approved design, specifications and CQA Plan
- a declaration by the CQA engineer that there is sufficient information to demonstrate that the works were constructed in accordance with the approved designs and specifications.

7A. Within six months of commissioning the additional leachate dam and annually thereafter, unless otherwise agreed to by the Planning Secretary, the Applicant must commission and pay the full cost of an independent assessment of the leachate management system. This assessment must be conducted by a suitably qualified, experienced and independent expert/s whose appointment has been endorsed by the Planning Secretary. During the assessment, this expert/s must:

(a) consult with the EPA, Water NSW and the Planning Secretary;

(b) assess actual performance against the assumptions and predictions made in the project water balance. This must include:

- actual versus predicted inputs and outputs into and out of each dam;
- actual versus predicted mechanical evaporation from each dam;
- actual versus predicted rainfall and evaporation; and
- actual versus predicted volume of leachate stored in each dam.

(c) assess the effectiveness of the Trigger Action Response Plan required under Condition 16;

(d) determine whether the leachate management system is achieving its intended objectives; and

(e) outline all reasonable and feasible measures required to improve leachate management at the site.

## Windrow Management

8. The **Applicant** shall manage windrow composting operations in accordance with AS 4454-2003: *Composts, Soil Conditioners and Mulches*, Appendix N, Best practice guidelines for Composting Systems, or other practices approved by the **EPA**.

## Litter Control

9. The **Applicant** shall:
- (a) implement suitable measures to prevent the unnecessary proliferation of litter both on and off site; and
  - (b) inspect and clear the site (and if necessary, surrounding area) of litter on a daily basis.

## Pest, Vermin & Noxious Weed Management

10. The **Applicant** shall:
- (a) implement suitable measures to manage pests, vermin and declared noxious weeds on site; and
  - (b) inspect the site on a regular basis to ensure that these measures are working effectively, and that pests, vermin or noxious weeds are not present on site in sufficient numbers to pose an environmental hazard, or cause the loss of amenity in the surrounding area.

*Note: For the purposes of this condition, noxious weeds are those species subject to an order declared under the Noxious Weed Act 1993.*

## Fire Management

11. The Applicant shall:
- (a) implement suitable measures to minimise the risk of fire on site;
  - (b) extinguish any fires on site promptly; and
  - (c) maintain adequate fire-fighting capacity on site.

## Rehabilitation & Closure

12. Upon the cessation of waste operations, the **Applicant** shall decommission the project and rehabilitate the site to the satisfaction of the **Planning Secretary**.
13. The **Applicant** shall prepare and implement a Rehabilitation and Closure Plan for the project to the satisfaction of the **Planning Secretary**. This plan must be:
- (a) be prepared in consultation with **EPA**, SCA, **Queanbeyan-Palerang Regional Council** and Goulburn Mulwaree Council by a suitably qualified and experienced expert whose appointment has been approved by the **Planning Secretary**;
  - (b) be submitted to the **Planning Secretary** for approval at least 6 months prior to the eighth independent environmental audit of the project (see schedule 4), or as directed otherwise by the **Planning Secretary**;
  - (c) define the objectives and criteria for rehabilitation and closure;
  - (d) investigate options for the future use of the site;
  - (e) describe the measures that would be implemented to achieve the specified objectives and criteria for rehabilitation and closure;
  - (f) calculate the cost of implementing these measures; and
  - (g) describe how the performance of these measures would be monitored over time.

## SOIL, WATER & LEACHATE MANAGEMENT

### Discharge Limits

14. Except as may be expressly provided in an EPL for the project, the **Applicant** shall comply with section 120 of the *Protection of the Environment Operations Act 1997*.

### Bunding

15. The **Applicant** shall store all chemicals, fuels and oils used on site in appropriately banded areas, with impervious flooring and sufficient capacity to contain 110% of the largest container stored within the bund. These bunds shall be designed and installed in accordance with the requirements of all relevant Australian Standards, and/or **EPA** 's Environmental Protection Manual *Technical Bulletin Bunding and Spill Management*.

### Soil, Water and Leachate Management Plan

16. The **Applicant must** prepare and implement a Soil, Water and Leachate Management Plan for the project to the satisfaction of the **Planning Secretary**. This plan must:

- (a) be **approved by** the **Planning Secretary** prior to **discharge of leachate to the additional leachate dam**;
- (b) be prepared by a suitably qualified and experienced expert;
- (c) be prepared in consultation with the **EPA** and **Water NSW**; and
- (d) include:
  - a **description of the leachate odour control equipment to be utilised and its role in odour mitigation**;
  - a **description of the procedures to be implemented to ensure the leachate management system is maintained in a proper and efficient condition, including sludge removal procedures and monitoring of integrity of leachate dam liners**;
  - **details of procedures to ensure leachate does not accumulate on composting or other outdoor areas (such as the maturation pad) or back up in pits and drains**;
  - **details of the contingency measures to be implemented in the event of exceedance of freeboard levels**.
  - a site water balance;
  - an erosion and sediment control plan;
  - a stormwater management scheme;
  - a surface water, groundwater and leachate monitoring program; and
  - a surface water, groundwater and leachate **Trigger Action Response Plan (TARP)**.

17. The site water balance must:

- (a) identify the source of all water collected or stored on the site, including rainfall, stormwater and groundwater;
- (b) include details of all water use on site and any discharges;
- (c) describe the measures that would be implemented to minimise water use on site.

18. The erosion and sediment control plan must:

- (a) be consistent with the requirements in the latest version of *Managing Urban Stormwater: Soils and Construction* (Landcom);
- (b) identify the activities on site that could cause soil erosion and generate sediment; and

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(c) describe what measures would be implemented to:

- minimise soil erosion and the transport of sediment to downstream waters, including the location, function and capacity of any erosion and sediment control structures; and
- maintain these structures over time.

19. The stormwater management scheme must:

- (a) be consistent with the guidance in the latest version of Managing Urban Stormwater: Council Handbook (DEC);
- (b) be capable of capturing and storing all rainfall and stormwater runoff from areas where waste (including organic outputs) is handled up to an including a 1:100 year, 24 hour duration storm event; and
- (c) include the detailed plans for the proposed surface water management system (shown conceptually in Appendix 4).

**19A. Prior to the construction of the expansion to the Organics Buffer Building, the Applicant must design a suitably sized stormwater tank to capture runoff from the Organics Buffer Building to the satisfaction of the Planning Secretary. In preparation of the design the Applicant must:**

- a) consult with the EPA;**
- b) demonstrate where harvested rainwater would be re-used in the development in an updated site water balance.**

**19B. Prior to the issue of an Occupation Certificate for the Organics Buffer Building, the Applicant must install a rainwater tank to the design specification determined in Condition 19A.**

20. The surface water, groundwater, and leachate monitoring program must:

- (a) be generally consistent with the guidance in EPA 's Environmental Guidelines for Composting & Related Organics Processing Facilities; and
- (b) include:
  - baseline data;
  - details of the proposed monitoring network;
  - details of the monitoring to be conducted to ensure the potential for odour, freeboard exceedances and seepage from the stormwater and leachate dams are identified at the earliest opportunity; and
  - the parameters for testing and details of the respective trigger levels for action under the surface water, groundwater and leachate TARP (see below).

21. The surface water, groundwater and leachate TARP must:

- (a) include a description of each trigger level and how it has been derived. At a minimum, trigger levels must be included for:**
  - freeboard levels in the leachate and stormwater dams; and
  - leachate quality which may cause odour impacts to arise
- (b) include a protocol for the investigation, notification and mitigation of any exceedances of the respective trigger levels; and
- (c) describe what further action and measures are planned in the event of any exceedance of each identified trigger level.**

## ODOUR

22. The Applicant shall not cause or permit the emission of any offensive odour (as defined in the POEO Act)

## AIR QUALITY

### Impact Assessment Criteria

23. The Applicant shall ensure that dust generated by the project does not cause additional exceedances of the criteria listed in Tables 1 to 3 at any residence on, or on more than 25 percent of, any privately owned land.

**Table 1** Long term impact assessment criteria for particulate matter

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 2** Short term impact assessment criteria for particulate matter

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

**Table 3** Long term impact assessment criteria for deposited dust

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

Note: Deposited dust is assessed as insoluble solids as defined by Standards Australia, 1991, AS/NZS

3580.10.1-2003: Methods for Sampling and Analysis of Ambient Air - Determination of Particulates – Deposited Matter - Gravimetric Method.

## Monitoring

24. The Applicant shall prepare and implement an Air Quality Monitoring Program for the project, in consultation with EPA, and to the satisfaction of the Planning Secretary. This program must be submitted to the Planning Secretary for approval prior to construction, and include an air monitoring protocol for evaluating compliance with the air quality impact assessment criteria in this consent.

Note: Initially, this program may concentrate on monitoring the dust deposition impacts of the project. However, in time, it may be expanded to include other pollutants.

## NOISE

### Noise Impact Assessment Criteria

25. The Applicant shall ensure that the noise generated by the development does not exceed the limits in Table 4.

**Table 4** Noise impact assessment criteria dB(A)



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Receiver	Day/Evening/Night L <sub>Aeq</sub> (15 minute)
Residences on privately-owned land (during construction)	40
Residences on privately-owned land (during operations)	35

Notes:

a) Noise from the development is to be measured at the most affected point or within the residential boundary, or at the most affected point within 30 metres of a dwelling (rural situations) where the dwelling is more than 30 metres from the boundary, to determine compliance with the L<sub>Aeq</sub>(15 minute) noise limits in the above table.

Where it can be demonstrated that direct measurement of noise from the project is impractical, the EPA may accept alternative means of determining compliance (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 levels where applicable.

b) The noise emission limits identified in the above table apply under meteorological conditions of:

- wind speeds of up to 3 m/s at 10 metres above ground level; or
- temperature inversion conditions of up to 3°C/100m, and wind speeds of up to 2 m/s at 10 metres above ground level.

### Road Traffic Noise Impact Assessment Criteria

26. The **Applicant** shall ensure that the traffic noise generated by the project on the road between the Crisps Creek Intermodal Terminal and the site access road does not exceed 60 dBA L<sub>Aeq</sub>(1 hour) at any residence on privately-owned land.

*Note: Traffic noise generated by the project is to be measured in accordance with the relevant procedures in the EPA's Environmental Criteria for Road Traffic Noise.*

### Operating Hours

27. The **Applicant** shall comply with the operating hours in Table 5, **unless otherwise agreed by the Planning Secretary.**

**Table 5** AVVT Site Operating Hours

Activity	Day	Hours
Construction	Monday - Friday	7 am – 6 pm
	Saturday	7 am – 1 pm
	Sunday & Public Holidays	Nil
Operations	Monday - Saturday	6 am – 10 pm
Emergency	Monday - Sunday	Anytime

**Note: Operation of BRS Drums and associated infrastructure is permitted to occur over 24 hours**

### Monitoring

28. Within 3 months of the commencement of operations, or as directed by the **Planning Secretary**, the **Applicant** shall:



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- (a) commission a suitably qualified and experienced expert whose appointment has been approved by the **Planning Secretary** to audit the noise generated by the project during normal operations against the noise and road traffic noise criteria in this approval;
- (b) send a copy of the audit report to the Department and **EPA** within 7 days of the completion of the audit.

### METEOROLOGICAL MONITORING

29. For the life of the project, the **Applicant** shall ensure that there is a suitable meteorological station in the vicinity of the site that complies with the requirements in the *Approved Methods for Sampling of Air Pollutants in New South Wales* guideline.

### TRANSPORT

#### Road Works

#### 30. Deleted

31. The **Applicant** shall:
- (a) provide sufficient car parking on site to accommodate the parking demand of the project;
  - (b) ensure that the:
    - car parking is constructed in accordance with the relevant requirements of *Australian Standard AS 2890. 1-2004*; and
    - internal road network is constructed in accordance with the relevant requirements of *Australian Standard AS 2890.2-2002*.

#### Road Maintenance Contributions

32. The **Applicant** shall contribute to both **Queanbeyan-Palerang Regional Council** and Goulburn Mulwaree Council for the maintenance of the relevant sections of Collector and Bungendore Road that are used by the project. These contributions are to be paid quarterly, **are subject to indexation** and must be in general accordance with any relevant Section 94 Contributions Plan.

#### Notes:

- *In the event that one of the Council's does not have a relevant Section 94 Contributions Plan, then the adjoining Council's plan should be used instead.*
  - *Goulburn Mulwaree Council's current applicable contributions plan (at 4 April 2014) is the 'Goulburn Mulwaree Section 94 Development Contributions Plan 2009 Amendment No. 2'. This plan is subject to indexation each year and is available on Council's website.*
  - *Contributions which are directly associated with the local road network shall be separate (in addition to) any royalties Veolia Trust contributes to local community projects.*
33. Unless the **Planning Secretary** approves otherwise (see condition 1 in schedule 3), the **Applicant** shall ensure that:
- (a) all heavy vehicles associated with the project use the designated heavy vehicle route between the site and the Crisps Creek Intermodal Terminal;
  - (b) heavy vehicles entering or leaving the site with loads are suitably covered; and
  - (c) heavy vehicles leaving the site are cleaned of materials that may fall on the road before they are allowed to leave the site.

#### Transport Code of Conduct

34. The **Applicant** shall prepare and implement a Transport Code of Conduct for the project to the satisfaction of the **Planning Secretary**. This protocol must:

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- (a) be submitted to the **Planning Secretary** for approval prior to construction;
- (b) be prepared in consultation with PC and GMC; and
- (c) describe the measures that would be implemented to:
  - minimise the impacts of the development on the local and regional road network, including traffic noise; and
  - ensure that no heavy vehicles use the designated heavy vehicle route during school bus operations on the route.

**34A. The Applicant shall prepare and implement a Waste Receipt and Vehicle Control Plan for the project to the satisfaction of the Planning Secretary. The plan shall:**

- (a) **be approved by the Planning Secretary prior to the commencement of operation;**
- (b) **be prepared in consultation with the EPA;**
- (c) **include details of the infrastructure, systems and procedures, that will be implemented to ensure compliance with the requirements of Section 88 of the POEO Act and Clauses 12 and 15 of the Protection of the environment (Waste) Regulation 2005;**
- (d) **include details of all vehicle entry and exit points, including emergency exits; and**
- (e) **be incorporated into the Operational Environment Management Plan for the project.**

### VISUAL AMENITY

#### Lighting

35. The Applicant shall ensure that all external lighting associated with the development:

- (a) does not create a nuisance to surrounding properties or roadways; and
- (b) complies with AS 4282/INT) 1995- Control of Obtrusive Effects of Outdoor Lighting.

**36. The Applicant shall construct all new buildings associated with the project using materials and colours that complement the surrounding landscape.**

#### Landscaping management

**37. The Applicant shall prepare and implement a Landscaping Management Plan for the project to the satisfaction of the Planning Secretary. The plan shall:**

- (a) **be approved by the Planning Secretary prior to the commencement of construction;**
- (b) **detail landscaping and vegetation treatments for the project with particular attention to minimising the visibility of the project from residences and public vantage points including Collector Road; and**
- (c) **describe the on-going measures that would be implemented to maintain landscaping and vegetation on the site for the life of the project.**

### ABORIGINAL HERITAGE

#### Unexpected Heritage Finds

**38. If any item or object of Aboriginal heritage significance is identified on site:**

- (a) **All work in the immediate vicinity of the suspected Aboriginal item or object must cease immediately;**

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- (b) a 10 m wide buffer area around the suspected item or object must be cordoned off; and
- (c) Heritage NSW must be contacted immediately.

**39. Work in the immediate vicinity of the Aboriginal item or object may only recommence in accordance with the provisions of Part 6 of the *National Parks and Wildlife Act 1974*.**

FOR INFORMATION

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## SCHEDULE 4

### ENVIRONMENTAL MANAGEMENT, REPORTING & AUDITING – WOODLAWN MECHANICAL BIOLOGICAL TREATMENT FACILITY

#### ENVIRONMENTAL MANAGEMENT PLAN

1. The **Applicant** shall prepare and implement an Environmental Management Plan for the project to the satisfaction of the **Planning Secretary**. This plan must:
  - (a) be prepared in consultation with the **EPA** by a suitably qualified and experienced expert;
  - (b) be submitted to the **Planning Secretary** for approval prior to commencement of operations;
  - (c) describe in detail the management measures that would be implemented to address:
    - the relevant matters referred to in Section 4 and Appendix B of the **EPA** 's *Environmental Guidelines for Composting & Related Organics Processing Facilities*; and
    - the conditions of this approval;
  - (d) include a copy of:
    - the management plans and monitoring programs required in Schedule 3 of this approval;
    - a quality assurance program for the design and installation of the leachate management system has been developed in accordance with *Australian Standard AS 3905.2*;
  - (e) describe the procedures that would be implemented to:
    - keep the local community and relevant agencies informed about the operation and environmental performance of the project;
    - receive, handle, respond to, and record complaints;
    - resolve any disputes that may arise during the course of the project; and
    - respond to emergencies; and
  - (f) describe the role, responsibility, authority and accountability of all key personnel involved in the environmental management of the project.

#### REPORTING

##### Compliance Reporting

2. Prior to carrying out any development on site, and then operations, the **Applicant** shall certify in writing to the **Planning Secretary** that it has complied with all the relevant conditions of this approval.

##### 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 **Applicant** shall notify the Department and **EPA** of the exceedance/incident.
4. Within 6 days of notifying the Department and **EPA**, the **Applicant** shall provide a written report to the Department and **EPA** that:
  - (a) describes the date, time, and nature of the incident;
  - (b) identifies the cause, or likely cause, of the incident; and
  - (c) describes what action has been taken to date address the incident, and what actions are proposed to be implemented in the future to either address the consequences of the incident or avoid a recurrence of the incident.

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## Annual Reporting

5. Every year from the date of this approval, unless the **Planning Secretary** agrees otherwise, the **Applicant** shall submit an AEMR to the **Planning Secretary** and relevant agencies. The AEMR shall:
  - (a) identify the standards and performance measures that apply to the development;
  - (b) include a summary of the complaints received during the past year, and compare this to the complaints received in previous years;
  - (c) include a summary of the monitoring results for the development during the past year;
  - (d) include an analysis of these monitoring results against the relevant:
    - impact assessment criteria;
    - monitoring results from previous years; and
    - predictions in the EIS;
  - (e) identify any trends in the monitoring results over the life of the development;
  - (f) identify any non-compliance during the previous year; and
  - (g) describe what actions were, or are being taken to ensure compliance.

## INDEPENDENT ENVIRONMENTAL AUDIT

6. Within 2 years of the commencement of operations, and every 3 years thereafter, unless the **Planning Secretary** directs otherwise, the **Applicant** shall commission and pay the full cost of an Independent Environmental Audit of the project. This audit must:
  - (a) be carried out by a suitably qualified, experienced and independent audit team containing a waste management specialist, whose appointment has been endorsed by the **Planning Secretary**;
  - (b) include consultation with **EPA**;
  - (c) assess the environmental performance of the project, and its effects on the surrounding environment;
  - (d) determine whether the project is complying with the relevant standards, performance measures and statutory requirements;
  - (e) review the adequacy of the Environmental Management Plan for the project, compliance with the requirements of this approval, and any other licences and approvals; and, if necessary,
  - (f) recommend measures or actions to improve the environmental performance of the project, and/or any plan/program required under this approval.
7. Within 3 months of commissioning this audit, or as otherwise agreed by the **Planning Secretary**, the **Applicant** shall submit a copy of the audit report to the **Planning Secretary**, with a response to any recommendations contained in the audit report.
8. Within 3 months of submitting a copy of the audit report to the **Planning Secretary**, the **Applicant** shall review and if necessary revise the plans/programs required under this approval to the satisfaction of the **Planning Secretary**.

## ACCESS TO INFORMATION

9. Within 1 month of the approval of any plan or program required under this consent, or the completion of any independent audit or AEMR required under this approval, the **Applicant** shall:
  - (a) ensure that a copy of the relevant documents is made publicly available on the **Applicant's** website; and

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(b) provide a copy of the relevant document/s to any interested party upon request.

FOR INFORMATION

## SCHEDULE 5

### SPECIFIC ENVIRONMENTAL CONDITIONS – SOLID RECOVERED FUEL FACILITY

#### TRAFFIC AND ACCESS

##### Operating Conditions

1. The Applicant must ensure:

- (a) internal roads, driveways and parking (including grades, turn paths, sight distance requirements, aisle widths, aisle lengths and parking bay dimensions) associated with the Solid Recovered Fuel (SRF) Processing Area are constructed and maintained in accordance with the latest version of AS 2890 .1 :2004 Parking facilities Off-street car parking (Standards Australia, 2004) and AS2890.2:2002 Parking facilities Off-street commercial vehicle facilities (Standards Australia, 2002);
- (b) the swept path of the longest vehicle entering and exiting the site, as well as manoeuvrability through the site, is in accordance with the relevant AUSTROADS guidelines;
- (c) the SRF Processing Area does not result in any vehicles queuing on the public road network;
- (d) heavy vehicles associated with the SRF Processing Area are not parked on local roads or footpaths in the vicinity of the site;
- (e) all vehicles are wholly contained on site before being required to stop;
- (f) all loading and unloading of materials is carried out on-site;
- (g) all trucks entering or leaving the site with loads have their load covered and do not track dirt onto the public road network; and
- (h) the proposed turning areas in the car park are kept clear of any obstacles, including parked cars, at all times.

#### SOILS, WATER AND HYDROLOGY

##### Imported Soil

2. The Applicant must:

- (a) ensure that only VENM, ENM, or other material approved in writing by EPA is brought onto the site;
- (b) keep accurate records of the volume and type of fill to be used; and
- (c) make these records available to the Department upon request.

##### Erosion and Sediment Control

3. Prior to the commencement of any construction or other surface disturbance associated with the SRF Processing Area, the Applicant must install and maintain suitable erosion and sediment control measures on-site, in accordance with the relevant requirements of the Managing Urban Stormwater: Soils and Construction – Volume 1: Blue Book (Landcom, 2004) guideline and the Erosion and Sediment Control Plan included in the CEMP required by Condition 30 of Schedule 4.

##### Discharge Limits

4. The SRF Processing Area must comply with section 120 of the POEO Act, which prohibits the pollution of waters; except as expressly provided for in an EPL.

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## Stormwater Management System

5. Prior to the commencement of construction, the Applicant must design a stormwater management system for the SRF Processing Area. The system must:
  - (a) be designed by a suitably qualified and experienced person(s) whose appointment has been endorsed by the Planning Secretary;
  - (b) be generally in accordance with the conceptual design in the EA and RTS for MP 06\_0239 MOD 2;
  - (c) be in accordance with applicable Australian Standards;
  - (d) ensure that the system capacity has been designed in accordance with Australian Rainfall and Runoff (Engineers Australia, 2016) and Managing Urban Stormwater: Council Handbook (EPA, 1997) guidelines;
  - (e) divert existing clean surface water around operational areas of the SRF Processing Area.

## AIR QUALITY

### Dust Minimisation

6. The Applicant must take all reasonable steps to minimise dust generated during all works authorised by this consent.
7. During construction, the Applicant must ensure that:
  - (a) exposed surfaces and stockpiles are suppressed by regular watering;
  - (b) all trucks entering or leaving the site with loads have their loads covered;
  - (c) trucks associated with the SRF Processing Area do not track dirt onto the public road network; and
  - (d) land stabilisation works are carried out progressively on-site to minimise exposed surfaces.
8. Trucks transporting waste to and from the SRF Processing Area must be covered at all times, except for when they are loading or unloading.

### Air Quality Discharges

9. The SRF Processing Area is limited to process 50,000 tonnes per annum of residual waste from the MBT facility.
10. The SRF Processing Area must be designed and constructed so as not to preclude the retrofit of odour controls to the processing building and dryer exhaust.
11. The Applicant must install and operate equipment in line with best practice to ensure that the development complies with all load limits, air quality criteria/air emission limits and air quality monitoring requirements as specified in the EPL applicable to the site.

### Air Quality Management Plan

12. Prior to the commencement of operation, the Applicant must prepare an Air Quality Management Plan (AQMP) for the SRF Processing Area to the satisfaction of the Planning Secretary. The AQMP must form part of the OEMP required by Condition 5 of Schedule 6. The AQMP must:
  - (a) be prepared by a suitably qualified and experienced person(s) whose appointment has been endorsed by the Planning Secretary;
  - (b) detail and rank all emissions from all sources of the development, including particulate emissions;



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- (c) describe a program that is capable of evaluating the performance of the operation and determining compliance with key performance indicators;
- (d) identify the control measures that will be implemented for each emission source; and
- (e) nominate the following for each of the proposed controls:
  - (i) key performance indicator;
  - (ii) monitoring method;
  - (iii) location, frequency and duration of monitoring;
  - (iv) record keeping;
  - (v) complaints register;
  - (vi) response procedures; and
  - (vii) compliance monitoring.

### 13. The Applicant must:

- (a) not commence operation until the Air Quality Management Plan required by Condition 12 is approved by the Planning Secretary; and
- (b) implement the most recent version of the Air Quality Management Plan approved by the Planning Secretary for the duration of development of the SRF Processing Area.

### Odour Management

14. The Applicant must carry out an Air Quality and Odour Audit of the SRF Processing Area within 3 months of the commencement of operation. The audit must:
- (a) be carried out by a suitably qualified and experienced expert;
  - (b) validate the emissions from the SRF Processing Area against air quality and odour emissions predictions made in the modification application;
  - (c) should the Applicant install dryer exhaust(s), assess particulate matter emissions from the dryer exhaust against limits set out in the Protection of the Environment Operations (Clean Air) Regulation 2010;
  - (d) review design and management practices of the SRF Processing Area against industry best practice for air emissions and odour management; and
  - (e) assess the need for any additional mitigation measures based on the findings of the audit and provide recommendations for their implementation.
15. Within 6 weeks of the completion of an Air Quality and Odour Audit, the Applicant shall submit a copy of the audit report to both the EPA and the Department with a response to any recommendations contained in the audit report.

### Air Quality and Odour Management

- 16. The Applicant must ensure that SRF Processing Area does not cause or permit the emission of any offensive odour (as defined in the POEO Act).
- 17. The Applicant must ensure that all SRF product is stored in a manner that maintains it in a dry state. If stored outside the processing building, storage must prevent water ingress.
- 18. SRF product must not be used as fuel on the premises.

## NOISE

### Hours of Work

19. The Applicant must comply with the hours detailed in Table 6, unless otherwise agreed in writing by the Planning Secretary.

*Table 6 Hours of Work*

Activity	Day	Hours
Earthworks and construction	Monday - Friday	7 am – 6 pm
	Saturday	8 am – 1 pm
	Sunday & Public Holidays	Nil
Operations	Monday - Saturday	6 am – 10 pm
	Sunday, Christmas Day and Good Friday	Nil

20. Works outside of the hours identified in Condition 19 may be undertaken in the following circumstances:

- (a) works that are inaudible at the nearest sensitive receivers;
- (b) for the delivery of materials required outside these hours by the NSW Police Force or other authorities for safety reasons; or
- (c) where it is required in an emergency to avoid the loss of lives, property or to prevent environmental harm.

### Construction Noise Limits

21. The development must be constructed to achieve the construction noise management levels detailed in the Interim Construction Guideline (DECC, 2009) (as may be updated or replaced from time to time). All feasible and reasonable noise mitigation measures must be implemented and any activities that could exceed the construction noise management levels must be identified and managed in accordance with the management and mitigation measures in the Appendix 6.

### Road Traffic Noise

22. Prior to the commencement of construction, the Applicant must prepare a Driver Code of Conduct and induction training for the development to minimise road traffic noise. The Applicant must update the Driver Code of Conduct and induction training for construction and operation and must implement the Code of Conduct for the life of the SRF Processing Area.

## FIRE MANAGEMENT

23. Prior to the commencement of construction, the final design of the development must be finalised in consultation with and to the satisfaction of Fire and Rescue (FRNSW) and include suitable provisions for special hazards by specifically addressing Clauses E1 .10 and E2.3 of Volume One of the National Construction Code (NCC) Series.

## WASTE MANAGEMENT

### Waste Monitoring Program

24. From the commencement of operation, the Applicant must implement a Waste Monitoring Program for the SRF Processing Area. The program must:

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- (a) be prepared by a suitably qualified and experienced person(s) prior to the commencement of operation;
- (b) include suitable provision to monitor the:
  - (i) quantity, type and source of waste received on site; and
  - (ii) quantity, type and quality of the outputs produced on site; and
- (c) ensure that:
  - (i) all waste that is controlled under a tracking system has the appropriate documentation prior to acceptance at the site; and
  - (ii) staff receive adequate training in order to be able to recognise and handle any hazardous or other prohibited waste including asbestos.

### ENVIRONMENTAL MANAGEMENT

#### Waste receipt and Vehicle Flow Control Plan

25. Prior to the commencement of construction of the SRF Processing Area, the Applicant must prepare a Waste Receipt and Vehicle Flow Control Plan in consultation with the EPA to the satisfaction of the Planning Secretary and the EPA. The Plan must show all vehicle entry and exit points, including emergency exits, where waste is transported into, out of, and between (a) the SRF Processing Area and (b) the adjoining Woodlawn Mechanical Biological Treatment facility and (c) the Woodlawn Bioreactor.

#### Construction Environmental Management Plan

26. The Applicant must prepare a Construction Environmental Management Plan (CEMP) for the SRF Processing Area in accordance with the requirements of Condition 1 of Schedule 6 and to the satisfaction of the Planning Secretary.
27. As part of the CEMP required under Condition 26 of Schedule 4 of this approval, the Applicant must include the following:
- (i) Erosion and Sediment Control Plan; and
  - (ii) Community Consultation and Complaints Handling.
28. The Applicant must:
- (a) not commence construction of the SRF Processing Area until the CEMP is approved by the Planning Secretary; and
  - (b) carry out the construction of the SRF Processing Area in accordance with the CEMP approved by the Planning Secretary and as revised and approved by the Planning Secretary.

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## SCHEDULE 6

### ENVIRONMENTAL MANAGEMENT, REPORTING AND AUDITING – SITE WIDE

#### ENVIRONMENTAL MANAGEMENT

##### Management Plan Requirements

1. Management plans required under this approval must be prepared in accordance with relevant guidelines, and include:
  - (a) detailed baseline data where applicable;
  - (b) details of:
    - the relevant statutory requirements (including any relevant approval, licence or lease conditions);
    - any relevant limits or performance measures and criteria; and
    - 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) a description of the measures to be implemented to comply with the relevant statutory requirements, limits, or performance measures and criteria;
  - (d) a program to monitor and report on the:
    - impacts and environmental performance of the development; and
    - effectiveness of the management measures set out pursuant to paragraph (c) above;
  - (e) 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;
  - (f) a program to investigate and implement ways to improve the environmental performance of the development over time;
  - (g) a protocol for managing and reporting any:
    - incident and any non-compliance (specifically including any exceedance of the impact assessment criteria and performance criteria);
    - complaint;
    - failure to comply with statutory requirements; and
  - (h) 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.*

##### Revision of Strategies Plans and Programs

2. Within three months of:
  - (a) the submission of a Compliance Report under Condition 13 of Schedule 6;
  - (b) the submission of an incident report under Condition 8 of Schedule 6;
  - (c) the submission of an Independent Audit under Condition 16 of Schedule 6;
  - (d) the approval of any modification of the conditions of this approval; or
  - (e) the issue of a direction of the Planning Secretary under Condition 2(b) of Schedule 2 which requires a review.

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3. The strategies, plans and programs required under this approval must be reviewed, and the Department must be notified in writing that a review is being carried out.
4. 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 approval must be revised, to the satisfaction of the Planning Secretary. Where revisions are required, the revised document must be 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.*

### Operational Environmental Management Plan - Site Wide

5. The Applicant must prepare an Operational Environmental Management Plan (OEMP) for the site in accordance with the requirements of Condition 1 of Schedule 6 and to the satisfaction of the Planning Secretary.
6. As part of the OEMP required under Condition 5 of Schedule 6 of this approval, the Applicant must include the following:
  - (a) describe the role, responsibility, authority and accountability of all key personnel involved in the environmental management of the site;
  - (b) describe the procedures that would be implemented to:
    - (i) keep the local community and relevant agencies informed about the operation and environmental performance of the development;
    - (ii) receive, handle, respond to, and record complaints;
    - (iii) resolve any disputes that may arise;
    - (iv) respond to any non-compliance;
    - (v) respond to emergencies; and
  - (c) incorporate the content of the Environmental Management Plans for the MBT Facility and the SRF Processing Area including:
    - (i) Rehabilitation and Closure Plan (RCP) for Woodlawn Mechanical Biological Treatment Facility (see Condition 13 of Schedule 3);
    - (ii) Soil, Water and Leachate Management Plan (SWLMP) for Woodlawn Mechanical Biological Treatment Facility (see Condition 16 of Schedule 3);
    - (iii) Environmental Management Plan for Woodlawn Mechanical Biological Treatment Facility (see Condition 1 of Schedule 4); and
    - (iv) Air Quality Management Plan (AQMP) for Solid Recovered Fuel Processing Area (see Condition 15 of Schedule 5);
    - (v) Operational Traffic Management Plan (OTMP) for Solid Recovered Fuel Processing Area; and
  - (d) Operational Waste Management Plan for the site.
7. The Applicant must operate the site in accordance with the OEMP approved by the Planning Secretary.

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## REPORTING AND AUDITING

### Incident Notification, Reporting and Response

8. The Department must be notified in writing to [compliance@planning.nsw.gov.au](mailto:compliance@planning.nsw.gov.au) immediately after the Applicant becomes aware of an incident. The notification must identify the development (including the development application number and the name of the development if it has one) and set out the location and nature of the incident. Subsequent notification requirements must be given, and reports submitted in accordance with the requirements set out in Appendix 7.

### Non-Compliance Notification

9. The Department must be notified in writing to [compliance@planning.nsw.gov.au](mailto:compliance@planning.nsw.gov.au) within seven days after the Applicant becomes aware of any non-compliance.
10. A non-compliance notification must identify the development and the application number for it, set out the condition of approval 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.
11. A non-compliance which has been notified as an incident does not need to also be notified as a non-compliance.

### Compliance Reporting

12. No later than 6 weeks before the date notified for the commencement of operation, a Compliance Monitoring and Reporting Program prepared in accordance with the Compliance Reporting Post Approval Requirements (Department 2018) must be submitted to the Department.
13. Compliance Reports of the project must be carried out in accordance with the Compliance Reporting Post Approval Requirements (Department 2018).
14. The Applicant must make each Compliance Report publicly available no later than 60 days after submitting it to the Department and notify the Department in writing at least 7 days before this is done.

### Independent Audit

15. No later than 4 weeks before the date notified for the commencement of operation, an Independent Audit Program prepared in accordance with the Independent Audit Post Approval Requirements (Department 2018) must be submitted to the Department.
16. Independent Audits of the development must be carried out in accordance with:
  - (a) the Independent Audit Program submitted to the Department under Condition 15 of this approval; and
  - (b) the requirements for an Independent Audit Methodology and Independent Audit Report in the Independent Audit Post Approval Requirements (Department 2018).
17. In accordance with the specific requirements in the Independent Audit Post Approval Requirements (Department 2018), the Applicant must:
  - (a) review and respond to each Independent Audit Report prepared under Condition 16 of this approval;
  - (b) submit the response to the Department; and
  - (c) make each Independent Audit Report and response to it publicly available no later than 60 days after submission to the Department and notify the Department in writing at least 7 days before this is done.



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## Monitoring and Environmental Audits

18. Any condition of this approval that requires the carrying out of monitoring or an environmental audit, whether directly or by way of a plan, strategy or program, is taken to be a condition requiring monitoring or an environmental audit under Division 9.4 of Part 9 of the EP&A Act. This includes conditions in respect of incident notification, reporting and response, non-compliance notification, compliance reporting and independent auditing.

*Note: For the purposes of this condition, as set out in the EP&A Act, "monitoring" is monitoring of the development to provide data on compliance with the approval or on the environmental impact of the development, and an "environmental audit" is a periodic or particular documented evaluation of the development to provide information on compliance with the approval or the environmental management or impact of the development.*

## ACCESS TO INFORMATION

19. At least 48 hours before the commencement of construction until the completion of all works under this approval, including rehabilitation and remediation, the Applicant must:

(a) make the following information and documents (as they are obtained or approved) publicly available on its website:

- the documents referred to in Condition 2 of Schedule 2 of this approval;
- all current statutory approvals for the development;
- all approved strategies, plans and programs required under the conditions of this approval;
- all proposed staging plans for the development if the construction, operation or decommissioning of the development is to be staged;
- regular reporting on the environmental performance of the development in accordance with the reporting requirements in any plans or programs approved under the conditions of this approval;
- a comprehensive summary of the monitoring results of the development, reported in accordance with the specifications in any conditions of this approval, or any approved plans and programs;
- a summary of the current stage and progress of the development;
- contact details to enquire about the development or to make a complaint;
- a complaints register, update monthly;
- the Compliance Report of the development;
- audit reports prepared as part of any Independent Audit of the development and the Applicant's response to the recommendations in any audit report;
- any other matter required by the Planning Secretary; and

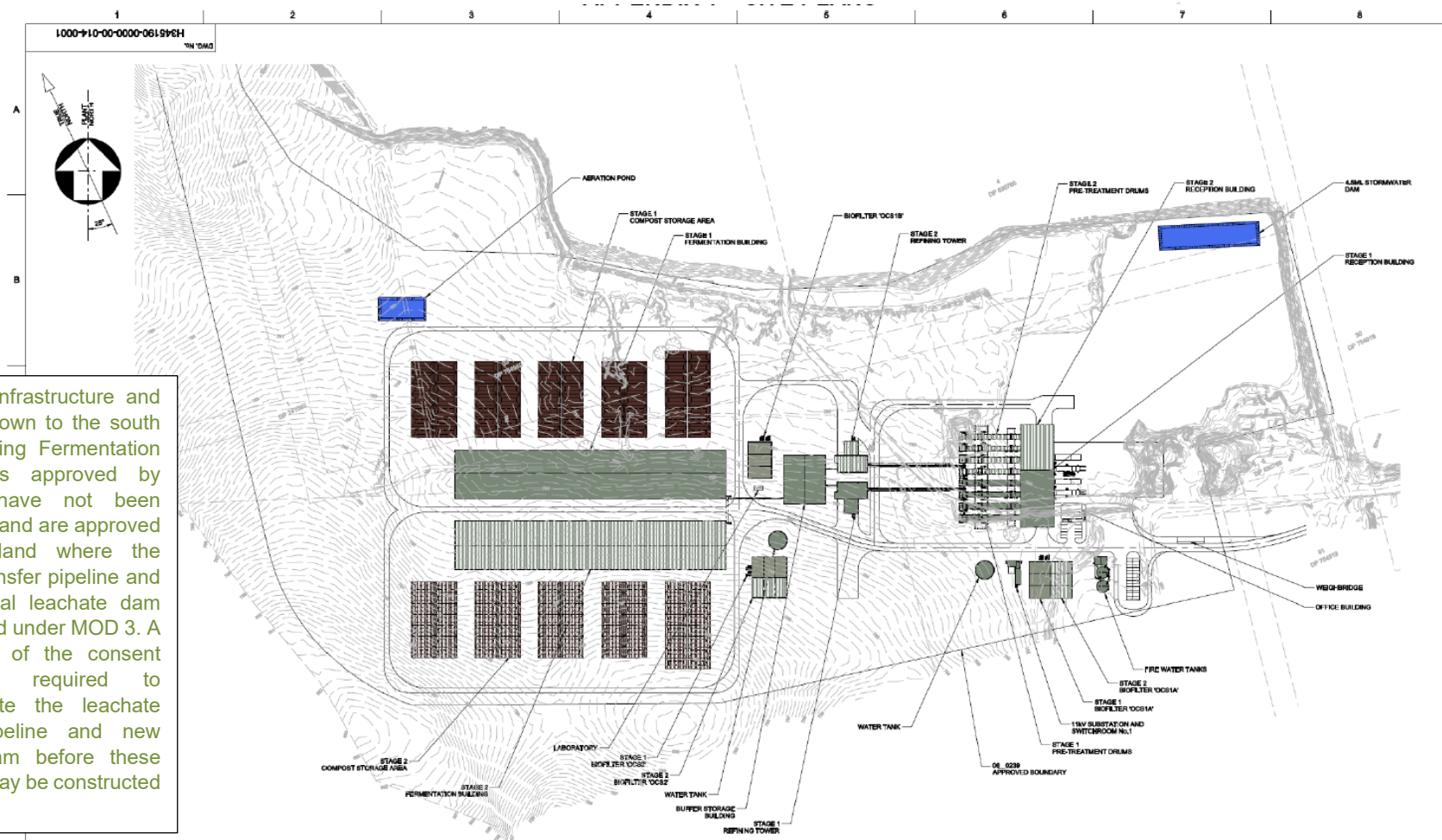
(b) keep such information up to date, to the satisfaction of the Planning Secretary.

**APPENDIX 1: SITE PLANS**

FOR INFORMATION



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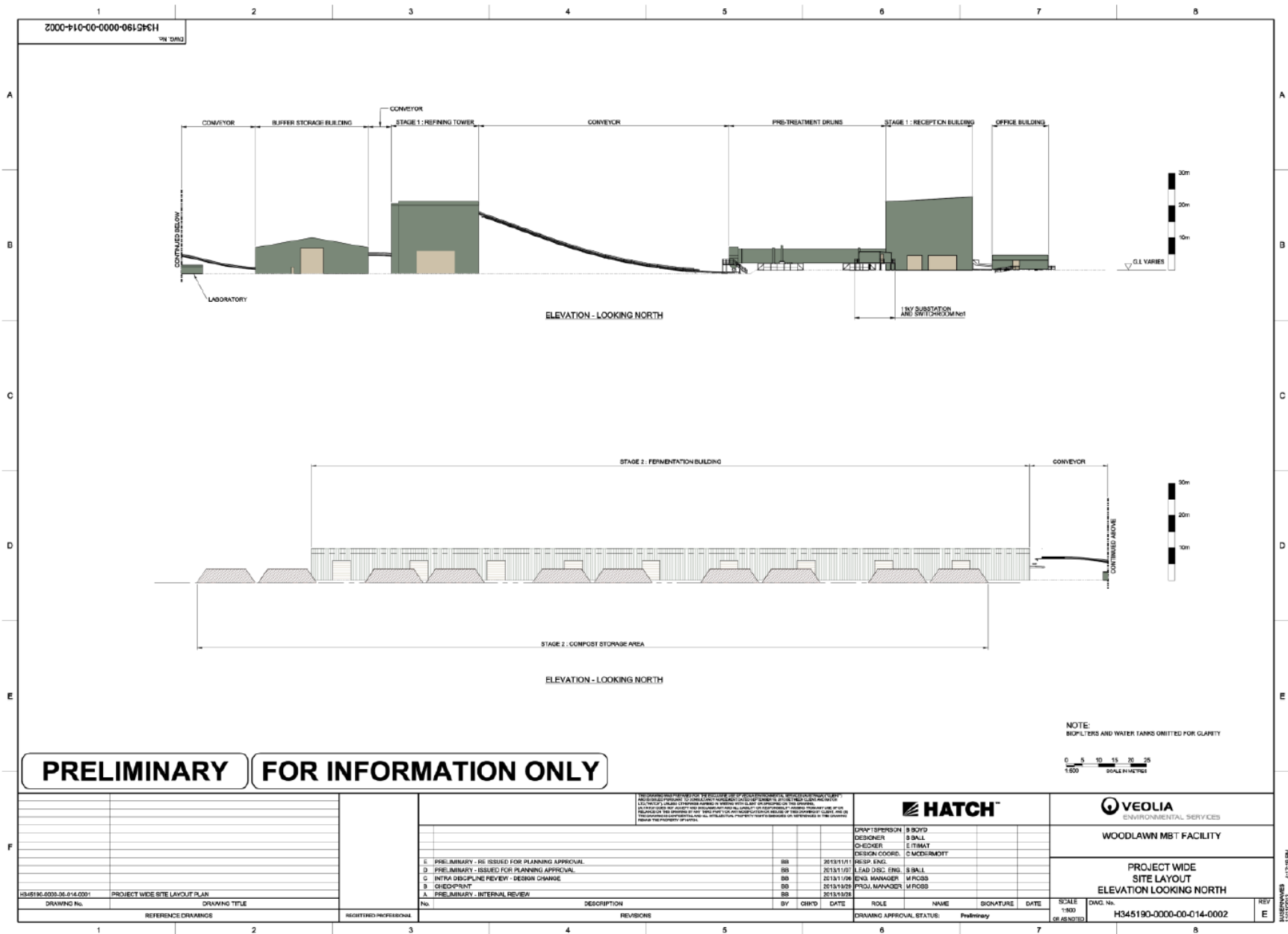


Note: The infrastructure and buildings shown to the south of the existing Fermentation Building (as approved by MOD 1) have not been constructed and are approved partly on land where the leachate transfer pipeline and the additional leachate dam are approved under MOD 3. A modification of the consent would be required to accommodate the leachate transfer pipeline and new leachate dam before these structures may be constructed in the future.

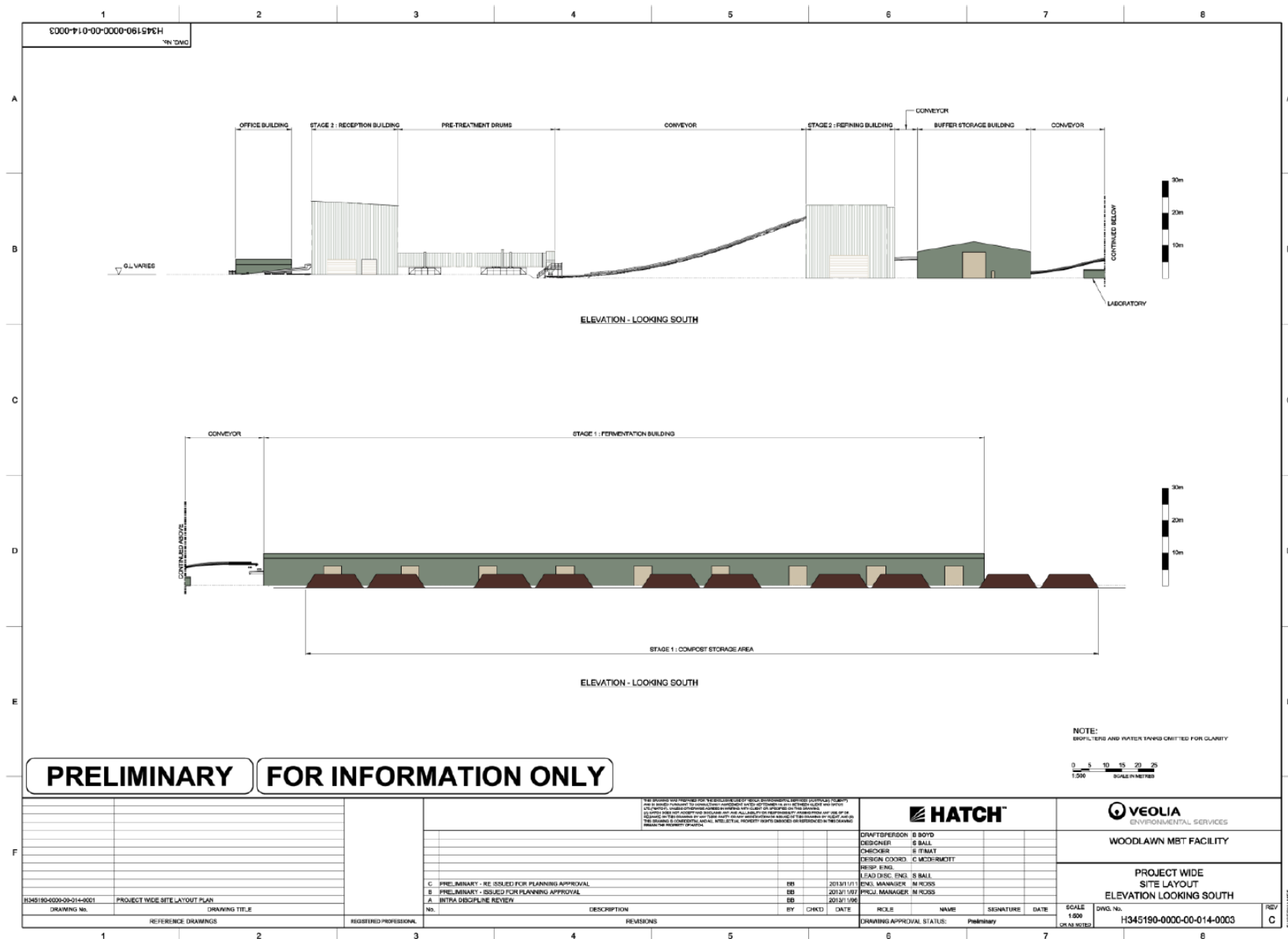
**PRELIMINARY** **FOR INFORMATION ONLY**

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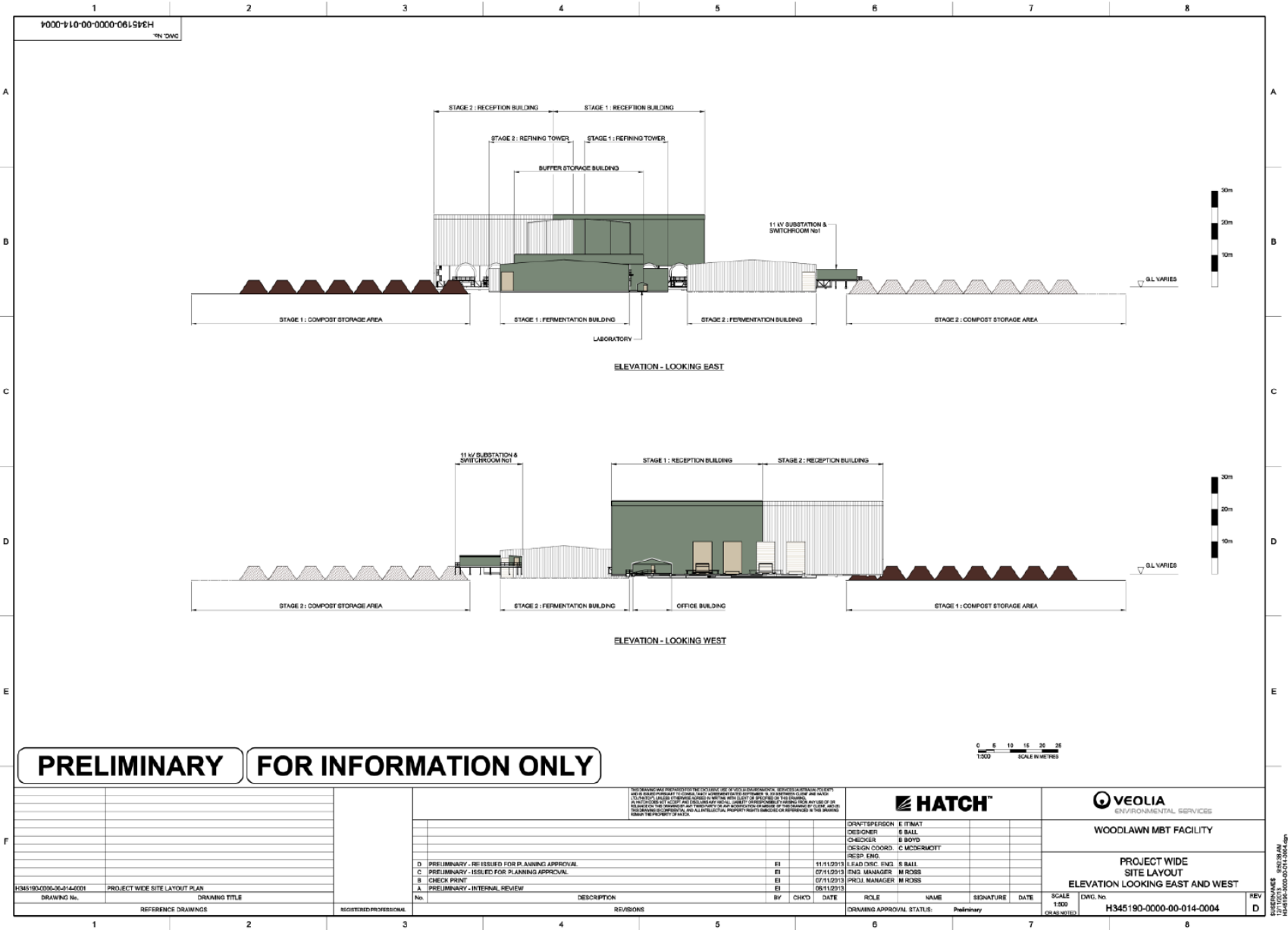
CONSOLIDATED APPROVAL



## CONSOLIDATED APPROVAL

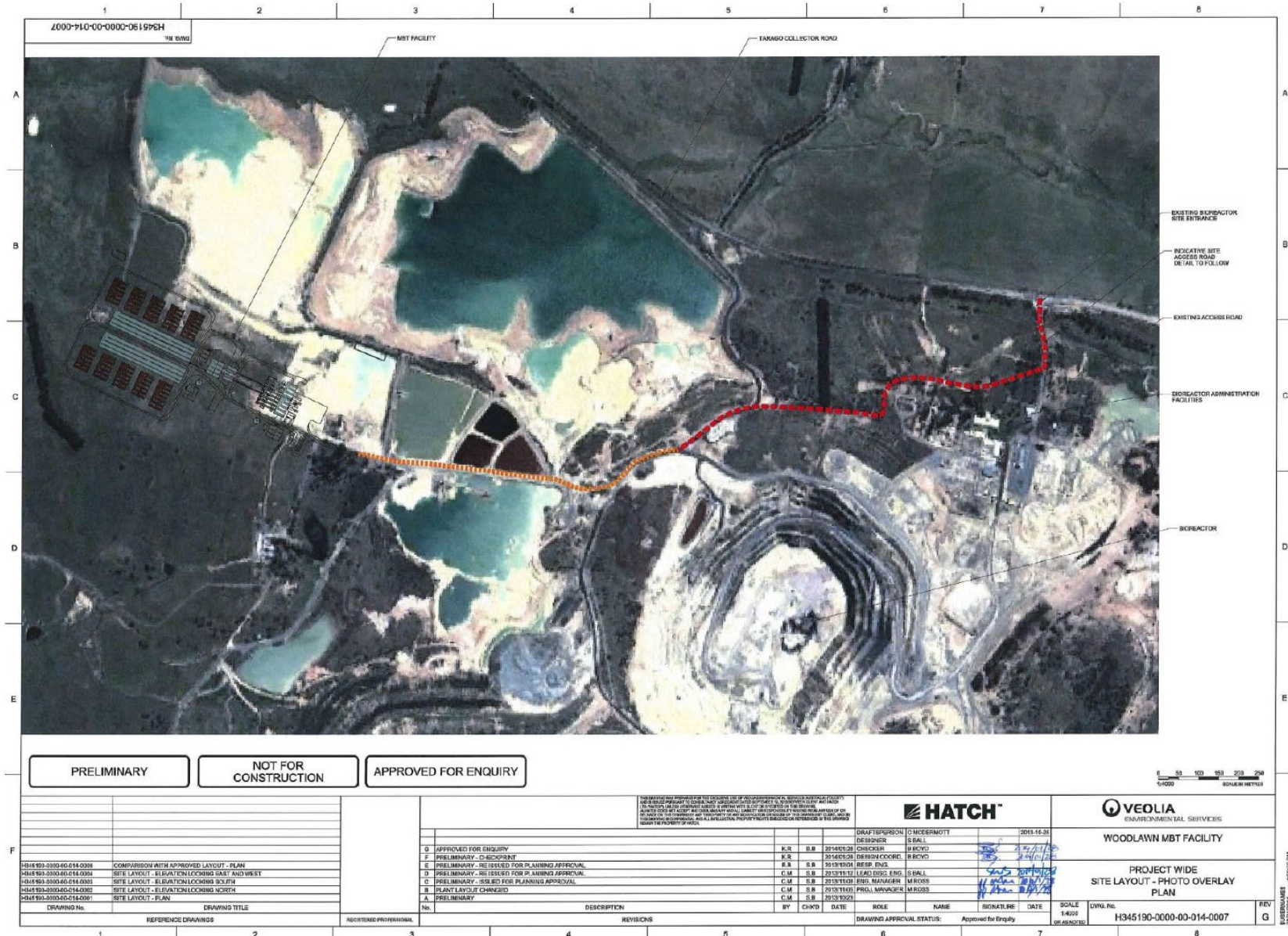


CONSOLIDATED APPROVAL



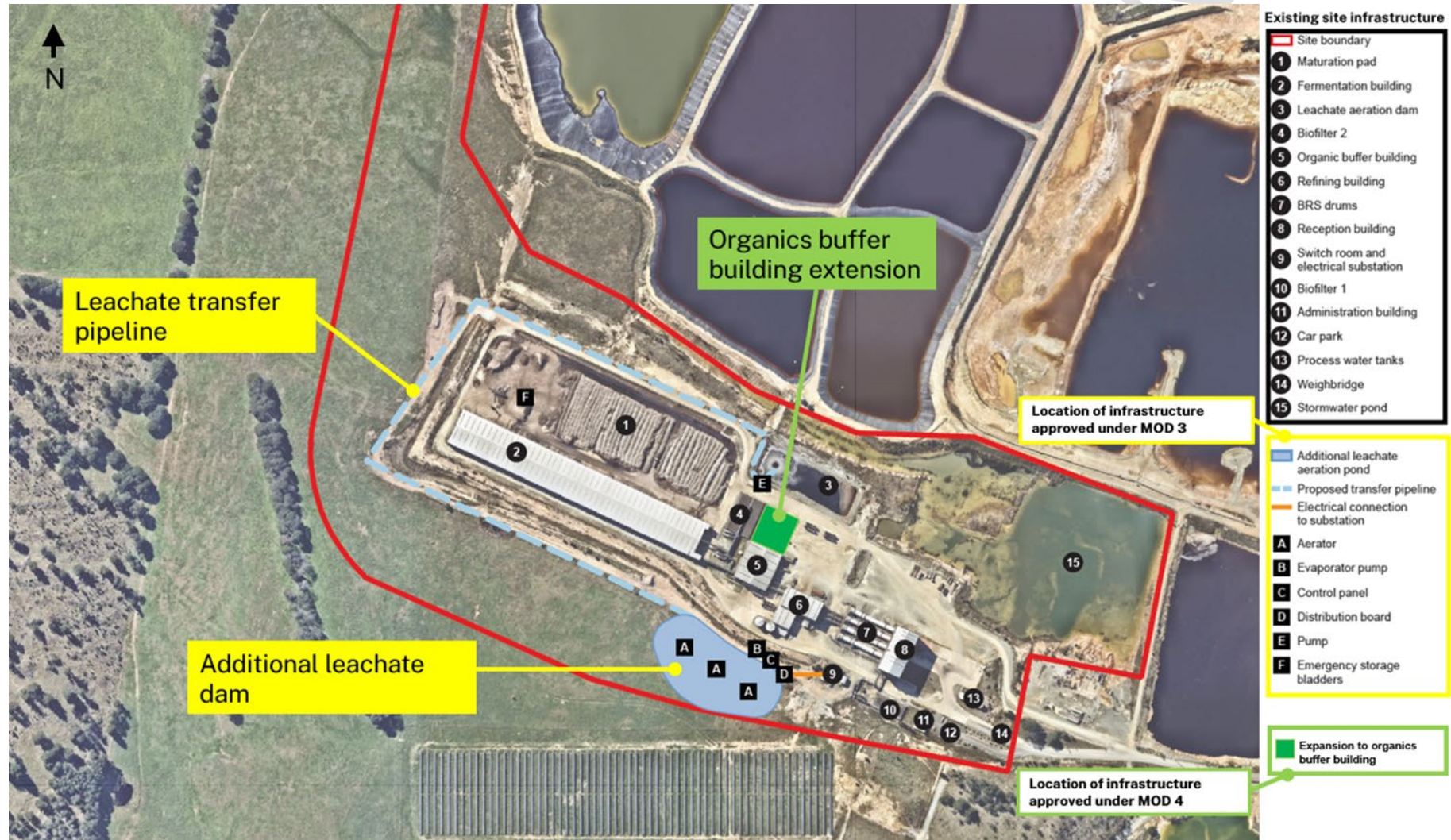


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SITE LAYOUT INCLUDING MOD 3 AND MOD 4

APPENDIX 2: STATEMENT OF COMMITMENTS

FOR INFORMATION

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Reference No.	Environmental and Operational Controls
<i>Waste Received at the Development</i>	
1	The Development will only receive Municipal Solid Waste, commercial waste and green waste. Each container of waste delivered to the Development will be weighed, recorded and tipped into the Development's receival area where it will be visually inspected prior to being processed in the MBT facility. Any material that is not suitable for recycling, composting or other reuse will be separated from the remainder of the waste stream and stored for subsequent disposal at a suitably approved waste handling facility. The remaining material that is not recycled, composted or otherwise reused will be transported to the Woodlawn Bioreactor for disposal.
2	Veolia will maintain a permit issued by Department of Primary Industries (DPI), under Section 16 of the Plant Disease Act 1924, allowing the movement of solid waste (including source segregated green waste) from Sydney to the Woodlawn Bioreactor and the Development and the use of compost for mine rehabilitation.
3	Compost derived from mix waste will be produced to satisfy the physical and chemical contaminant thresholds specified in the General and Site Specific Resource Recovery Exemptions, in accordance with Clause 51 and 51A of the POEO (Waste) Regulations for the application of any compost output from the Development to land.  Veolia has an agreement with TriAusMin regarding the use of compost for mine site rehabilitation and will continue to work with TriAusMin to ensure relevant amendments are made to the Woodlawn Mining Operations Plan (MOP) with respect to the use of compost for mine rehabilitation.
4	Residual from the Development will not be used as daily cover in the Woodlawn Bioreactor without prior approval from the EPA.
5	Alternative fuel derived from the Development will not be used at any offsite facility without prior approval from the EPA.
6	Disposal of material from the Development in the Woodlawn Bioreactor will be carried out in accordance with the consent for the Woodlawn Bioreactor.
<i>Soil and Water Management</i>	
7	Prior to commencement of construction, sediment and erosion controls as set out in Section 6.2.1.3 of the original EA (Unwelt, 2006) will be implemented.
8	Clean water diversion drains will be constructed to achieve the revised drainage requirements for the Development, as shown in Figure 2.1.2 of the modification EA (Veolia, 2013).
9	A stormwater dam will be constructed to accept runoff from the 1 in 100 year 24 hour duration Average Recurrence Interval event, as shown in Figure 2.1.2 of the modification EA (Veolia, 2013).
10	A single leachate aeration pond will be sized to store run off from a storm of magnitude 1 in 10 year Average Recurrence Interval (ARI) 24-hour duration rainfall event, located as shown in Figure 2.1.2 of the modification EA (Veolia, 2013).
<i>Site Rehabilitation after Decommissioning</i>	
11	At the end of the life of the operation, infrastructure will be removed from the site and the site will be regraded and planted with pasture species unless an alternate and approved use is identified.
<i>Traffic and Road Management</i>	
12	The Development would utilise the existing Woodlawn Bioreactor site access intersection on Collector Road, as shown in Figure 2.1.1 of the modification EA (Veolia, 2013).
<i>Reporting</i>	
13	Veolia will prepare and circulate an annual community newsletter providing an overview of the Development's operation and the Company's performance against its statement of commitments.
<i>Air Quality</i>	



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14	<p>Veolia will incorporate the following odour control measures within the Development:</p> <ul style="list-style-type: none"> <li>▪ prepare enclosed processing areas</li> <li>▪ Odour control system (biofilters)</li> </ul> <p>Additional odour control measures shall also include:</p> <ul style="list-style-type: none"> <li>▪ automated aeration technology for accelerating the process of fermentation to achieve stability of organic matter; and</li> <li>▪ technology for enhancing fermentation and treating odour emissions from compost with the use of a cover system.</li> </ul>
<b><i>Greenhouse Gas</i></b>	
15	<p>Where practical, Veolia shall utilise the following control measures to minimise greenhouse gas emissions:</p> <ul style="list-style-type: none"> <li>▪ Regularly servicing all stationary plant and machinery within the Development.</li> <li>▪ Purchasing green power to offset electricity usage for the site.</li> <li>▪ Using sensor lighting and high efficiency lighting.</li> <li>▪ Turning off vehicles and/or plant and machinery when not in use.</li> <li>▪ Using B5 and E10 fuels within onsite vehicles and B5 blended diesel for stationary plant and equipment.</li> </ul>
<b><i>Visual Amenity</i></b>	
16	<p>Veolia shall endeavour to maintain the visual amenity of the local area with the following design measures:</p> <ul style="list-style-type: none"> <li>▪ Construction of new buildings using material and colours that complement the surrounding rural landscape.</li> <li>▪ Installation of external lighting associated with the Development that will not create nuisance to surrounding receivers and/or roadways and which complies with 'Control of Obstructive Effects of Outdoor Lighting' in accordance with the Project Approval visual amenity condition.</li> </ul>

FOR INFO

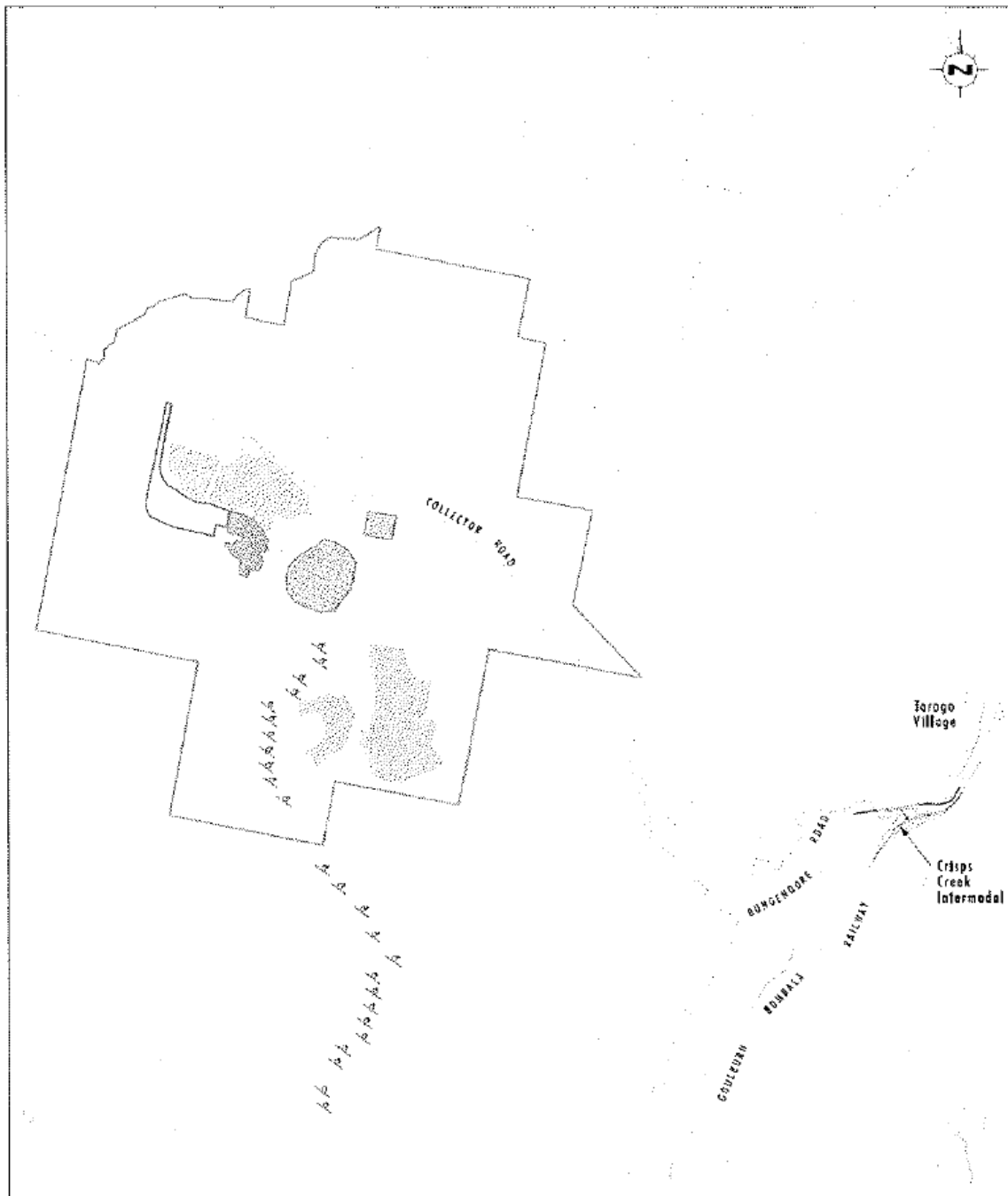
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### APPENDIX 3: MAP SHOWING THE WOODLAWN LANDFILL & CRISPS CREEK INTERMODAL TERMINAL

FOR INFORMATION

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Umwelt  
KAPPA/NEWMARKET



Source: Cadastre SPI NSW, 2004

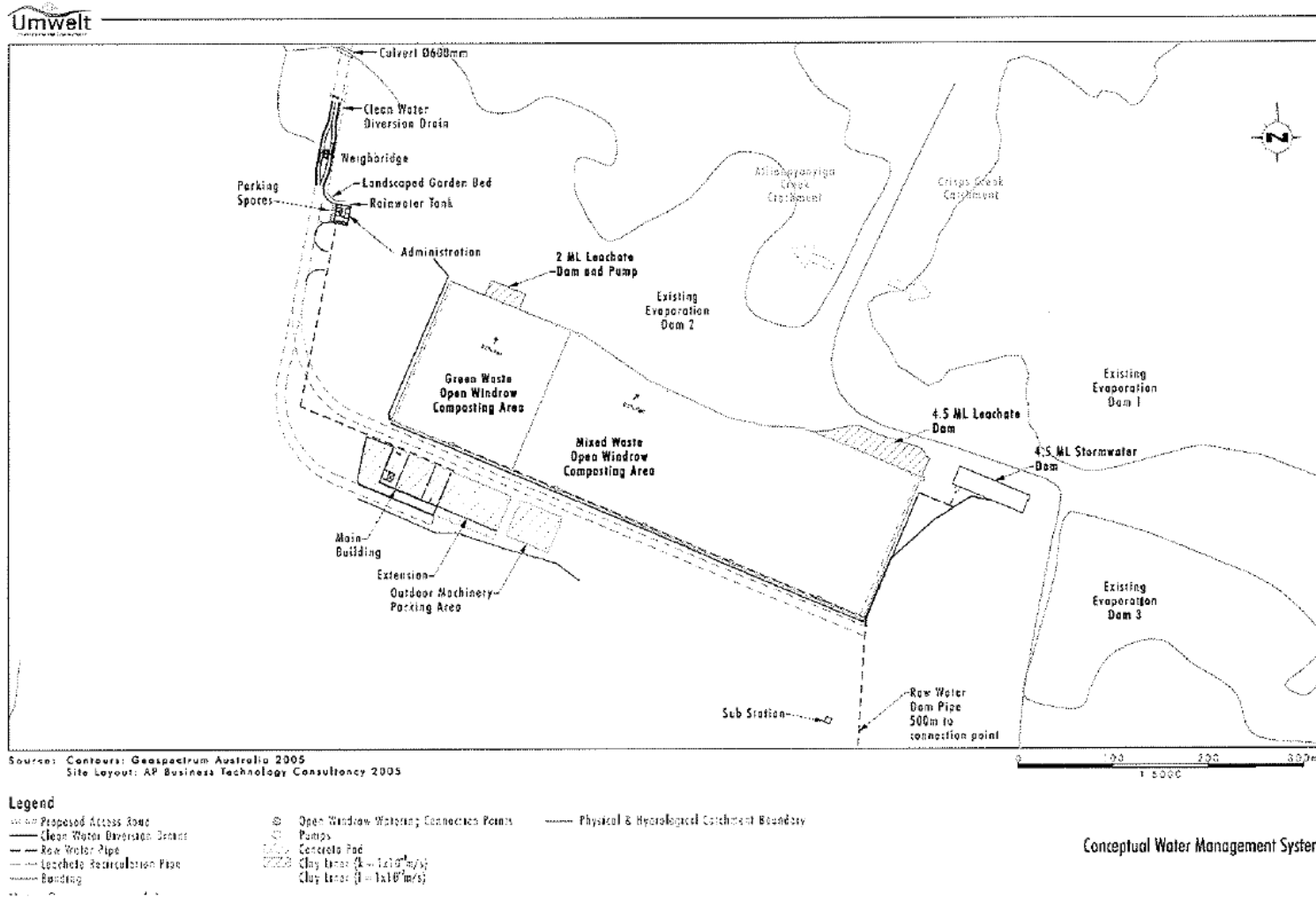
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## Legend

- Woodlawn AWT Project Development Footprint
- Bioreactor EP Licence Area
- SRL 20 Boundary
- Windfarm
- Evaporation Dams
- Raw Water Dam
- Islands Dam

Location of Woodlawn Bioreactor  
and Crisps Creek Intermodal

## APPENDIX 4: CONCEPTUAL WATER MANAGEMENT SYSTEM



**CONSOLIDATED APPROVAL**

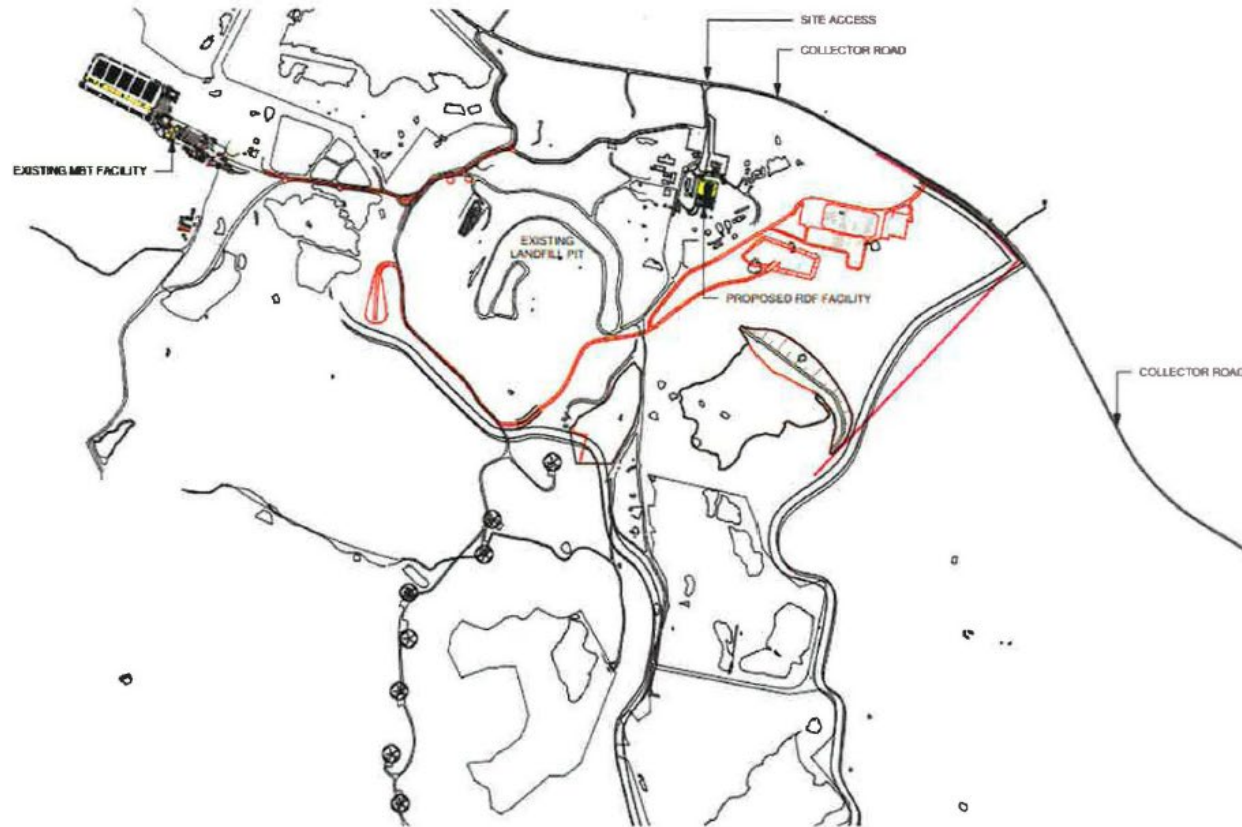
FOR INFORMATION



## CONSOLIDATED APPROVAL

### APPENDIX 4: MAP SHOWING THE SRF PROCESSING AREA

FOR INFORMATION

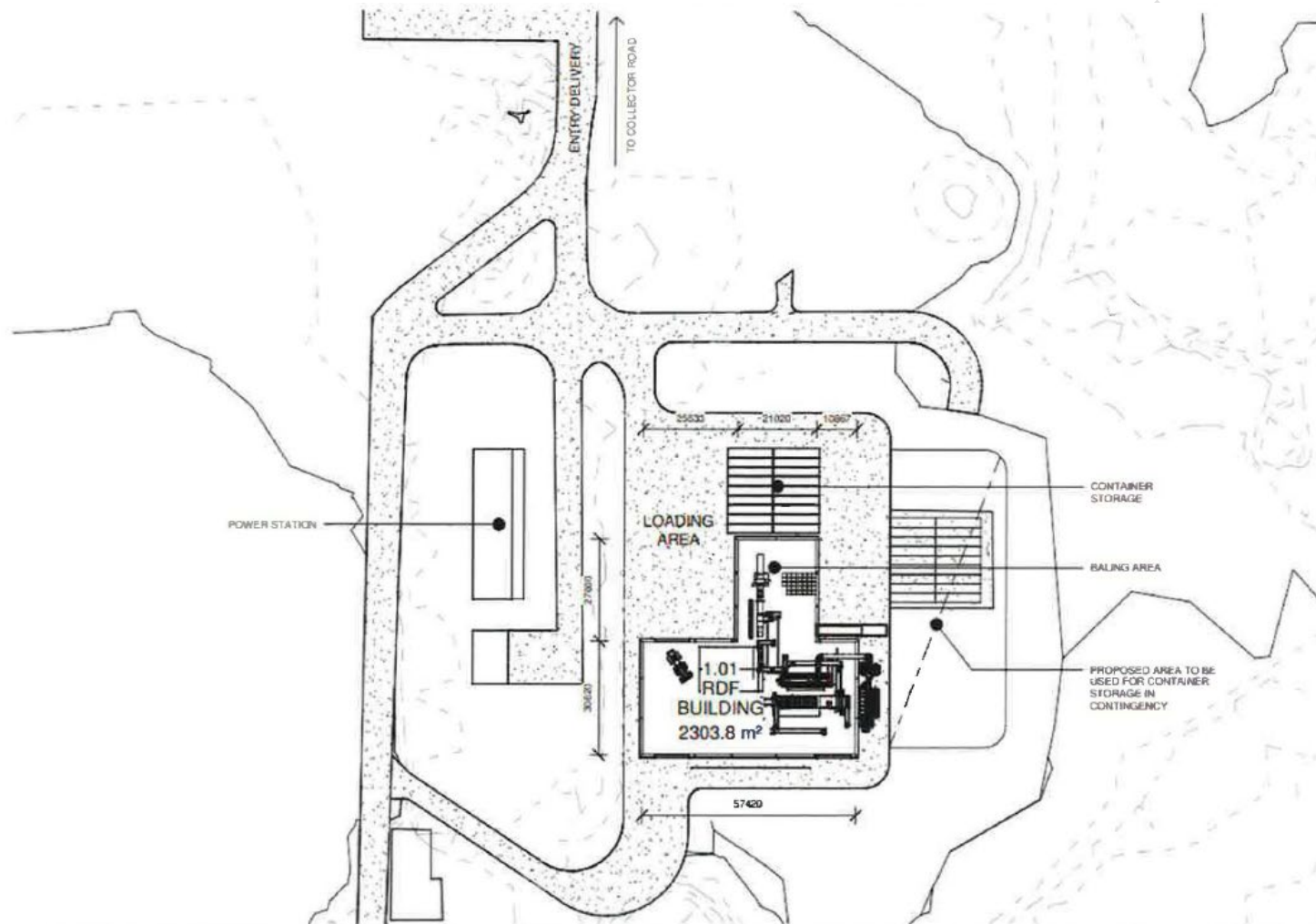
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REV:	DETAILS	DATE	BY	PROJECT	PROJECT NUMBER	DRAWING NUMBER	REVISION	 <div>Davidson Architecture 2/70 Kerr Street Fitzroy 3065 0415 12 57 55 ABN: 29 600 077 487 ARBV Registration 51488 NSW Nominated Architect Andrew Davidson 9345</div>
T5	A3 SHEETS	30/04/2018	AIS	WOODLAWN RDF	1702	A010 TP	T5	
				CLIENT	DRAWING NAME			
				 VEOLIA	LOCALITY PLAN			
				DRAWING STATUS	SCALE	DATE	DRAWN	
				TENDER ISSUE	1:15000 @ A3	30/04/18	AIS	
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## APPENDIX 5: DEVELOPMENT PLANS - SRF PROCESSING AREA

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T5	AD SHEETS	30/04/2018	AD	WOODLAWN RDF	1702	A100 TP	T7
T6	CONTAINER STORAGE	29/5/18	AD	CLIENT	DRAWING NAME		
T7	CONTINGENCY CONTAINERS ADDED	14/6/18	AD	<b>VEOLIA</b>	SITE PLAN		
				DRAWING STATUS	SCALE	DATE	DRAWN
				TENDER ISSUE	1 : 1000 @ A3	30/04/18	AD

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 ABN 29 000 077 487  
 ARA Registration 51488  
 NSW Nominated Architect  
 Andrew Davidson 9345



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## LEGEND

- TRUCKS TRANSFERRING WASTE TO AND FROM MBT
- TRUCKS TRANSFERRING CONTAINERS TO INTERMODAL

REV.	DETAILS	DATE	BY
T5	A3 SHEETS	30/04/2018	AJS



PROJECT  
WOODLAWN RDF

CLIENT



DRAWING STATUS  
TENDER ISSUE

PROJECT NUMBER  
1702

DRAWING NAME

TRAFFIC FLOW

SCALE  
1 : 1000 @ A3

DRAWING NUMBER  
A110 TP

REVISION

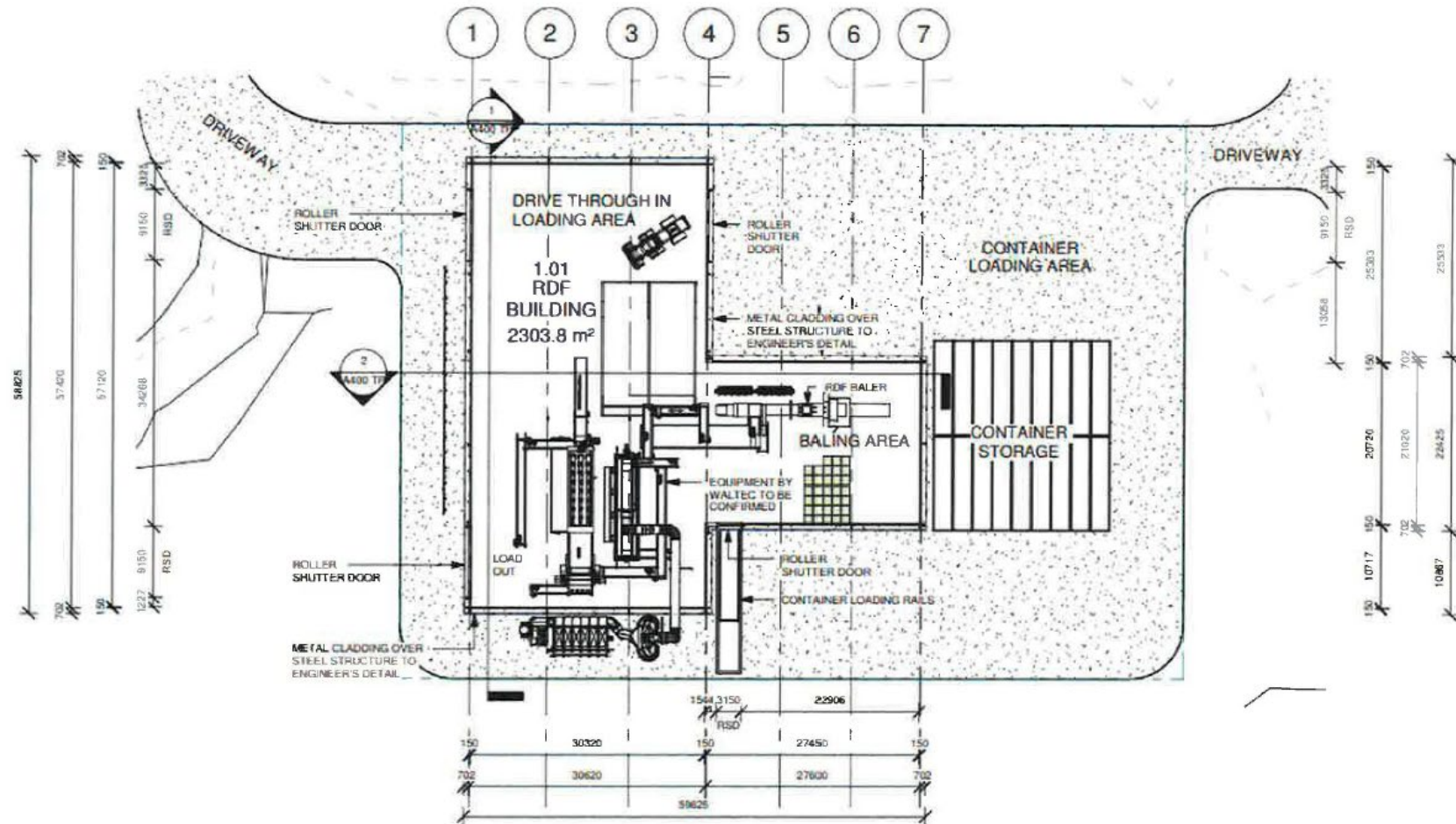
T5

DATE  
30/04/18

DRAWN  
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ARSV Registration 51468  
NSW Nominated Architect  
Andrew Davidson 93415

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REV	DETAILS	DATE	BY
T2	TENDER ISSUE	18/12/17	MC
T5	A3 SHEETS	30/04/2018	AIS



PROJECT  
WOODLAWN RDF  
CLIENT  
**VEOLIA**  
DRAWING STATUS  
TENDER ISSUE

PROJECT NUMBER  
1702  
DRAWING NAME  
GROUND FLOOR PLAN  
DRAWING NUMBER  
A120 TP  
REVISION  
T5

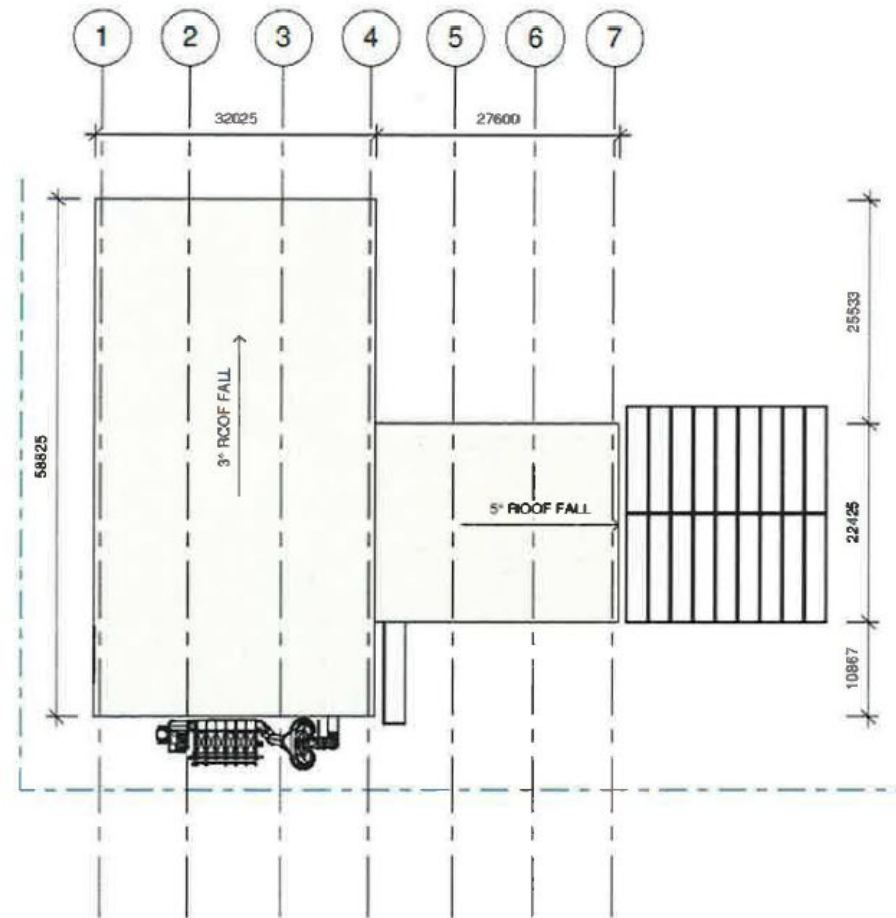
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DRAWN  
MC



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NSW Nominated Architect  
Andrew Davidson 93415

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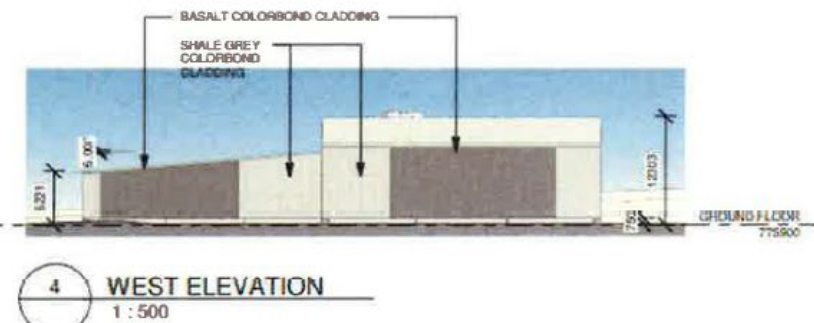
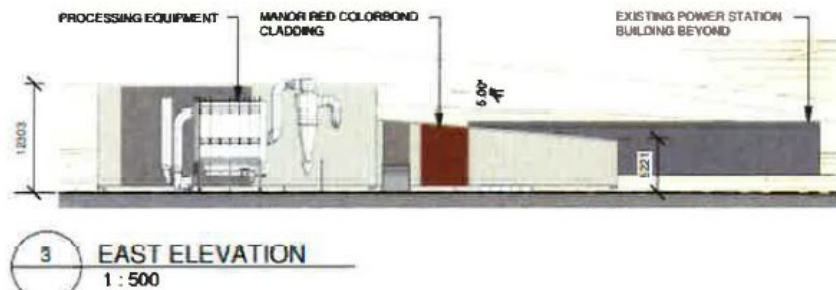
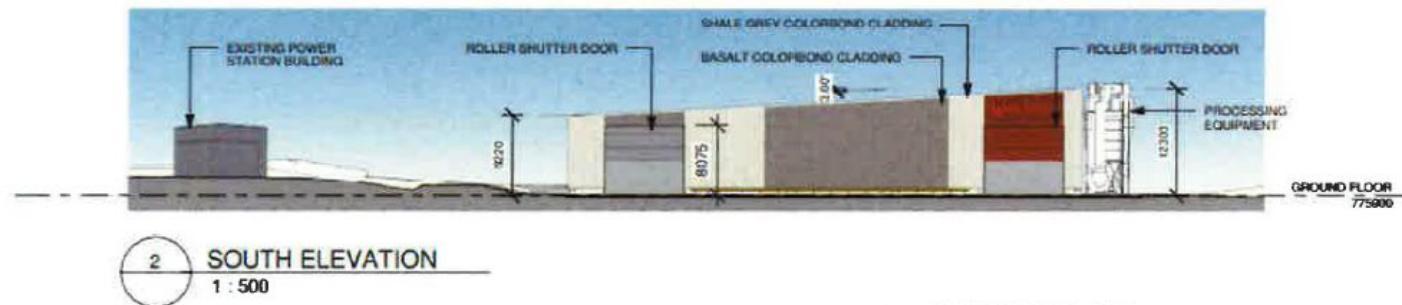


REV.	DETAILS	DATE	BY	PROJECT	PROJECT NUMBER	DRAWING NUMBER	REVISION	 davidson architecture 2/70 Kent Street Fitzroy 3065 <b>0415 12 57 59</b> ABN 29 600 077 487 ARBV Registration 51488 NSW Nominated Architect Andrew Davidson 9345
T5	A3 SHEETS	30/04/2018	AIS	WOODLAWN RDF	1702	A140 TP	T5	
				CLIENT	DRAWING NAME			
				 <b>VEOLIA</b>	ROOF PLAN			
				DRAWING STATUS TENDER ISSUE	SCALE 1 : 500 @ A3	DATE 30/04/18	DRAWN AIS	

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T5	A3 SHEETS	30/04/2018	AJS

PROJECT <b>WOODLAWN RDF</b>	PROJECT NUMBER 1702	DRAWING NUMBER A300 TP	REVISOR T5
CLIENT <b>VEOLIA</b>	DRAWING NAME ELEVATIONS	SCALE 1 : 500 @ A3	DATE 30/04/18
DRAWING STATUS TENDER ISSUE		DRAWN AJS	

<p>Davidson architecture 2/70 Kent Street Fitzroy 3065 0415 12 57 56 ABN 29 600 077 487 ARSV Registration 51488 NSW Nominated Architect Andrew Davidson 6045</p>
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1 SECTION 01  
1 : 500



2 SECTION 02  
1 : 500

REV	DETAILS	DATE	BY	PROJECT	PROJECT NUMBER	DRAWING NUMBER	REVISION
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