Queensland Government

Department of
**Environment and Heritage Protection**

Australian Prime Fibre Pty Ltd c/- InsiteSJC
PO Box 1688
BUNDABERG QLD 4670

randall@insitesjc.com.au

Your reference: EPPR03823216
Our reference: 328785

**Application details**

I refer to the application that was received by the administering authority on 16-MAR-2016.

Land description: 718 Adies Road, ISIS CENTRAL QLD 4660; Lot 1 Plan RP22990.

**Decision**

Your application has been **approved** and your environmental authority (reference EPPR03823216) is attached.

Should you have any further enquiries, please contact Rebecca Griffiths on telephone 1300 130 372.

Yours sincerely,

| | |
|---|---|
| | 26/4/2016. |
| Signature | Date |

Kelly Gleeson
Department of Environment and Heritage Protection
Delegate of the administering authority
*Environmental Protection Act 1994*

Rebecca Griffiths
Waste and Contaminated Land Assessment
Department of Environment and Heritage Protection
GPO Box 2454
BRISBANE QLD 4001
Phone: 07 3330 5517
Fax: 07 3330 6037
Email: Rebecca.Griffiths@ehp.qld.gov.au
Website **www.ehp.qld.gov.au**
ABN 46 640 294 485

**Enclosed**

Permit - environmental authority (reference EPPR03823216)

# Permit[1]

***Environmental Protection Act 1994***

## Environmental authority

*This environmental authority is issued by the administering authority under Chapter 5 of the* Environmental Protection Act 1994.

## Permit[1] number: EPPR03823216

**Environmental authority takes effect on the day your related development approval (Reference: 322.2016.45226.2) is approved. Within 20 business days of the environmental authority taking effect, the administering authority must be given written notification.**

The first annual fee is payable within 20 business days of the effective date.

The anniversary date of this environmental authority is the same day each year as the effective date. An annual return and the payment of the annual fee will be due each year on this day.

**Environmental authority holder**

| Name | Registered address |
|---|---|
| Australian Prime Fibre Pty Ltd | 186 Glenmount Road<br>TANAWHA QLD 4556 |

## Environmentally relevant activity and location details

| Environmentally relevant activities | Location |
|---|---|
| 33-Crushing, milling, grinding or screening >5000t yr<br>53-Composting&soil conditioner manufacturing >200t yr | 718 Adies Road and ISIS CENTRAL QLD 4660 - Lot 1 Plan RP22990 |

**Additional information for applicants**

Environmentally relevant activities

The description of any environmentally relevant activity (ERA) for which an environmental authority is issued is a restatement of the ERA as defined by legislation at the time the approval is issued. Where there is any inconsistency between that description of an ERA and the conditions stated by an environmental authority as to the scale, intensity or manner of carrying out an ERA, then the conditions prevail to the extent of the inconsistency.

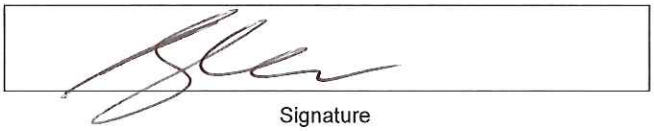
An environmental authority authorises the carrying out of an ERA and does not authorise any environmental harm unless a condition stated by the authority specifically authorises environmental harm.

[1] Permit includes licences, approvals, permits, authorisations, certificates, sanctions or equivalent/similar as required by legislation

A person carrying out an ERA must also be a registered suitable operator under the *Environmental Protection Act 1994* (EP Act).

Contaminated land

It is a requirement of the EP Act that if an owner or occupier of land becomes aware a notifiable activity (as defined in Schedule 3 and Schedule 4) is being carried out on the land, or that the land has been, or is being, contaminated by a hazardous contaminant, the owner or occupier must, within 22 business days after becoming so aware, give written notice to the chief executive.



Signature

26/4/2016.

Date

Kelly Gleeson
Department of Environment and Heritage Protection
Delegate of the administering authority
*Environmental Protection Act 1994*

**Enquiries:**
Rebecca Griffiths
Waste and Contaminated Land Assessment
Department of Environment and Heritage Protection
GPO Box 2454
BRISBANE QLD 4001
Phone: 07 3330 5517
Fax: 07 3330 6037
Email: Rebecca.Griffiths@ehp.qld.gov.au

**Obligations under the *Environmental Protection Act 1994***

In addition to the requirements found in the conditions of this environmental authority, the holder must also meet their obligations under the EP Act, and the regulations made under the EP Act. For example, the holder must comply with the following provisions of the Act:

- general environmental duty (section 319)
- duty to notify environmental harm (section 320-320G)
- offence of causing serious or material environmental harm (sections 437-439)
- offence of causing environmental nuisance (section 440)
- offence of depositing prescribed water contaminants in waters and related matters (section 440ZG)
- offence to place contaminant where environmental harm or nuisance may be caused (section 443)

## Conditions of environmental authority

**Location:** 718 Adies Road and ISIS CENTRAL QLD

Lot 1 Plan RP22990

**Relevant activities:**

ERA 53 – Composting and soil conditioner manufacturing – manufacturing, from organic material or organic waste, 200t or more of compost or soil conditioners in a year

ERA 33 – Crushing, milling, grinding or screening – crushing, grinding, milling or screening more than 5000t of material in a year

The environmentally relevant activities conducted at the location as described above must be conducted in accordance with the following site specific conditions of approval.

| **Agency interest: General** | |
|---|---|
| **Condition number** | **Condition** |
| **G1** | Activities conducted under this environmental authority must not be conducted contrary to any of the following limitations:<br>a) The only wastes permitted to be composted under this environmental authority are sawmill residues (including sawdust, bark, woodchip, shavings etc.), mill mud, cane residues, and greenwaste.<br>b) Compost activities and storage of compost feedstocks are restricted to the area described as "Composting Facility" as depicted in *Schedule 1 – Approved Plans – Composting Facility Figure 1* and *Figure 2*. |
| **G2** | All reasonable and practicable **measures** must be taken to prevent or minimise environmental harm caused by the activities. |
| **G3** | Any breach of a condition of this environmental authority must be reported to the **administering authority** as soon as practicable within 24 hours of becoming aware of the breach. **Records** must be kept including full details of the breach and any subsequent actions taken. |

| | |
|---|---|
| **G4** | Other than permitted by this environmental authority, the **release of a contaminant into the environment** must not occur. |
| **G5** | The **activity** must be undertaken in accordance with written procedures that:<br>1. identify potential risks to the environment from the **activity** during routine operations, closure and an emergency<br>2. establish and maintain control **measures** that minimise the potential for environmental harm<br>3. ensure plant, equipment and **measures** are maintained in a proper and effective condition<br>4. ensure plant, equipment and **measures** are operated in a proper and effective manner<br>5. ensure that staff are trained in and aware of their obligations under the *Environmental Protection Act 1994*<br>6. ensure that reviews of environmental performance are undertaken at least annually. |
| **G6** | All information and records required by the conditions of this environmental authority must be kept for a minimum of five years with the exception of environmental monitoring results which must be kept until surrender of this environmental authority. All information and records required by the conditions of this environmental authority must be provided to the **administering authority** upon request and in the format requested. |
| **G7** | An **appropriately qualified person(s)** must monitor, record and interpret all parameters that are required to be monitored by this environmental authority and in the manner specified by this environmental authority. |
| **G8** | All analyses required under this environmental authority must be carried out by a laboratory that has National Association of Testing Authorities (**NATA**) certification, or an equivalent certification, for such analyses. |
| **G9** | When required by the **administering authority**, monitoring must be undertaken in the manner prescribed by the **administering authority**, to investigate a complaint that is not considered by the **administering authority** to be frivolous or vexatious, of **environmental nuisance** arising from the **activity**. The monitoring results must be provided to the **administering authority** upon request. |
| **G10** | The following details of all environmental complaints received must be recorded:<br>1. date and time the complaint was received<br>2. name and contact details of the complainant when provided and authorised by the complainant<br>3. nature of the complaint<br>4. investigation undertaken<br>5. conclusions formed<br>6. actions taken. |
| **G11** | All reasonable and practicable **measures** must be taken to exclude vectors and pest species to the extent necessary to prevent:<br>1. **environmental nuisance** to occupiers of neighbouring premises<br>2. any danger or risk to the health of any persons. |
| **G12** | Chemicals and fuels in containers of greater than 15 litres must be stored within a **secondary containment system.** |

| **Agency interest: Air** | |
|---|---|
| **Condition number** | **Condition** |
| **A1** | Odours or airborne contaminants must not cause **environmental nuisance** to any **sensitive** or **commercial place**. |
| **Agency interest: Water** | |
| **Condition number** | **Condition** |
| **WT1** | Other than as permitted within this environmental authority, contaminants must not be released to any **waters**. |
| **WT2** | The stormwater runoff from disturbed areas, generated by (up to and including) a **24 hour storm event with an average recurrence interval of one-in-ten** years must be retained on site and can only be released after the event where:<br>1. beneficial reuse on site is not viable; and<br>2. a release is required to maintain the required stormwater retention capacity; and<br>3. there are no contaminants present or at concentrations which may cause environmental harm. |
| **WT3** | Contaminants must only be released to surface waters in accordance with *Table 1 – Contaminant release points and release limits* and the associated requirements. |

**Table 1 – Contaminant release points and release limits**

| Monitoring location | Contaminant | Minimum | Maximum | Frequency of monitoring |
|---|---|---|---|---|
| All sedimentation basins | Total Nitrogen | -- | 500µg/L | Prior to release |
| | Total Phosphorus | -- | 50µg/L | |
| | Electrical Conductivity | -- | 1000µS/cm | |
| | Suspended Solids | -- | 50mg/L | |
| | pH | 6.5 | 8 | |
| | Dissolved Oxygen | 85% saturation | 110% saturation | |
| | BOD | -- | -- | |
| Receiving water body within 3km downstream of release point from site | Dissolved Oxygen | 85% saturation | 110% saturation | Within 7 days of end of release for the first 6 releases from the site. |

**Associated requirements**

1. Releases to waters are only permitted from sedimentation basins on site.
2. All monitoring devices must be effectively calibrated and maintained in accordance with the applicable manufacturer's instructions.
3. All monitoring must be conducted in accordance with the current edition of the administering authority s Monitoring and Sampling Manual. Measurements.
4. Samples must be representative of the release.

<table>
<tr><th colspan="2">Agency interest: Noise</th></tr>
<tr><th>Condition number</th><th>Condition</th></tr>
<tr><td>N1</td><td>Other than as permitted within this environmental authority, noise generated by the activity must not cause environmental nuisance to any sensitive place or commercial place.</td></tr>
<tr><td>N2</td><td>Noise from the activity must not include substantial low frequency noise components and must not exceed the levels identified in Table 2 – Noise limits and the associated requirements at any nuisance sensitive place or commercial place.
Table 2 – Noise limits
<table>
<tr><th rowspan="2">Noise level (dB(A))</th><th colspan="3">Monday to Saturday</th><th>Sunday and Public Holidays</th></tr>
<tr><th>6am-7am</th><th>7am-6pm</th><th>6pm-6am</th><th>All hours</th></tr>
<tr><th colspan="5">Noise measured at a sensitive place</th></tr>
<tr><td>$L_{Aeq,adj,1hr}$</td><td>40</td><td>42</td><td>No audible noise</td><td>No audible noise</td></tr>
<tr><td>$L_{A90,\ 1hr}$</td><td>35</td><td>37</td><td>No audible noise</td><td>No audible noise</td></tr>
<tr><th colspan="5">Noise measured at a commercial place</th></tr>
<tr><td>$L_{Aeq,adj,1hr}$</td><td>53</td><td>53</td><td>No audible noise</td><td>No audible noise</td></tr>
<tr><td>$L_{A90,\ 1hr}$</td><td>50</td><td>50</td><td>No audible noise</td><td>No audible noise</td></tr>
</table>
Associated requirements:
1. Limits are applied at the boundary of the sensitive or commercial place.
2. The location, date and time of monitoring must be recorded.
3. All monitoring devices must be correctly calibrated and maintained.
4. Any monitoring must be in accordance with the most recent version of the administering authority's *Noise Measurement Manual*.
5. Any monitoring of noise emissions from the activity must be undertaken when the activity is in operation.</td></tr>
<tr><th colspan="2">Agency interest: Land</th></tr>
<tr><th>Condition number</th><th>Condition</th></tr>
<tr><td>L1</td><td>Contaminants must not be released to land.</td></tr>
<tr><td>L2</td><td>An area which provides an impervious barrier to subsoil and groundwater must be used for:
1. receiving, mixing and storing processing materials for the activity
2. collecting and storing leachate.</td></tr>
<tr><th colspan="2">Agency interest: Waste</th></tr>
<tr><th>Condition number</th><th>Condition</th></tr>
<tr><td>W1</td><td>All waste generated in carrying out the activity must be lawfully reused, recycled or removed to a facility that can lawfully accept the waste.</td></tr>
</table>

## Definitions

Key terms and/or phrases used in this document are defined in this section and **bolded** throughout this document. Applicants should note that where a term is not defined, the definition in the *Environmental Protection Act 1994*, its regulations or environmental protection policies must be used. If a word remains undefined it has its ordinary meaning.

**Activity** means the environmentally relevant activities, whether resource activities or prescribed activities, to which the environmental authority relates.

**Administering authority** means the Department of Environment and Heritage Protection or its successors or predecessors.

**Appropriately qualified person(s)** means a person or persons who has professional qualifications, training, skills and experience relevant to the EA requirement and can give authoritative assessment, advice and analysis in relation to the EA requirement using the relevant protocols, standards, methods or literature.

**Boundary** means within 1m of the cadastral **boundary** of the approved place.

**Commercial place** means a place used as a workplace, an office or for business or commercial purposes and includes a place within the curtilage of such a place reasonably used by persons at that place.

**Disturbed areas** includes areas:

1. that are susceptible to erosion;
2. that are contaminated by the activity; and/or
3. upon which stockpiles of soil or other materials are located.

**Environmental nuisance** as defined in Chapter 1 of the *Environmental Protection Act 1994*.

$L_{A90,T}$ means the A-weighted sound pressure level, obtained using time-weighting 'F', that is exceeded for 90% of the measuring period T.

$L_{Aeq\ adj,T}$ means the adjusted A weighted equivalent continuous sound pressure level measures on fast response, adjusted for tonality and impulsiveness, during the time period T, where T is measured for a period no less than 15 minutes when the **activity** is causing a steady state noise, and no shorter than one hour when the approved **activity** is causing an intermittent noise.

**Land** does not include **waters**.

**Leachate** means a liquid that has passed through or emerged from, or is likely to have passed through or emerged from, a material stored, processed or disposed of at the site that contains soluble, suspended or miscible contaminants likely to have been derived from the said material.

**Measures** have the broadest interpretation and includes plant, equipment, physical objects, monitoring, procedures, actions, directions and competency.

**NATA** means National Association of Testing Authorities.

**Records** include breach notifications, written procedures, analysis results, monitoring reports and monitoring programs required under a condition of this authority.

**Release of a contaminant into the environment** means to:

1. deposit, discharge, emit or disturb the contaminant
2. cause or allow the contaminant to be deposited, discharged, emitted or disturbed
3. fail to prevent the contaminant from being deposited, discharged emitted or disturbed
4. allow the contaminant to escape
5. fail to prevent the contaminant from escaping.

**Secondary containment system** means a system designed, installed and operated to prevent any release of contaminants from the system, or containers within the system, to land, groundwater, or surface waters.

**Sensitive place** includes the following and includes a place within the curtilage of such a place reasonably used by persons at that place:

1. a dwelling, residential allotment, mobile home or caravan park, residential marina or other residential premises; or
2. a motel, hotel or hostel; or
3. a kindergarten, school, university or other educational institution; or
4. a medical centre or hospital; or
5. a protected area under the *Nature Conservation Act 1992*, the *Marine Parks Act 2004* or a World Heritage Area; or
6. a public park or garden; or
7. for noise, a place defined as a sensitive receptor for the purposes of the Environmental Protection (Noise) Policy 2008.

**Substantial low frequency noise** means a noise emission that has an unbalanced frequency spectrum shown in a one-third octave band measurements, with a predominant component within the frequency range 10 to 200 Hz. It includes any noise emission likely to cause an overall sound pressure level at a noise sensitive place exceeding 55 dB(Z).

**Waters** includes river, stream, lake, lagoon, pond, swamp, wetland, unconfined surface water, unconfined water, natural or artificial watercourse, bed and bank of any waters, dams, non-tidal or tidal waters (including the sea), stormwater channel, stormwater drain, roadside gutter, stormwater run-off, and groundwater and any part thereof.

**24 hour storm event with an average recurrence interval of 1 in 10 years** means the maximum rainfall depth from a 24-hour duration precipitation event with an average recurrence interval of once in 10 years. For example, an Intensity–Frequency–Duration table for a 24-hour duration event with an average recurrence interval of 1 in 10 years, identifies a rainfall intensity of 8.2mm/hour. The rainfall depth for this event is therefore 24 hour x 8.2mm/hour = 196.8mm.

**Schedule 1—Approved plans**

**Composting Facility**

**Figure 1**

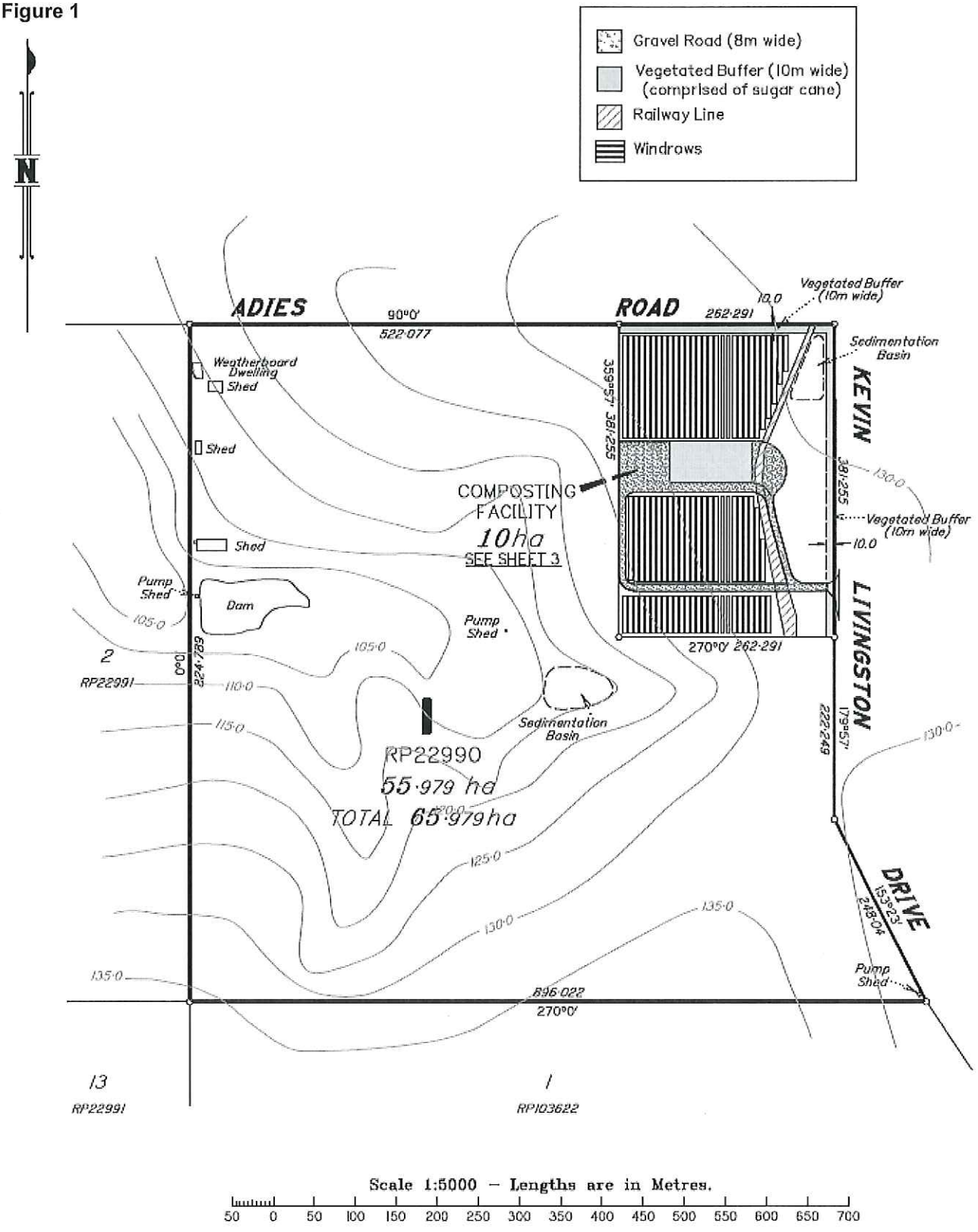
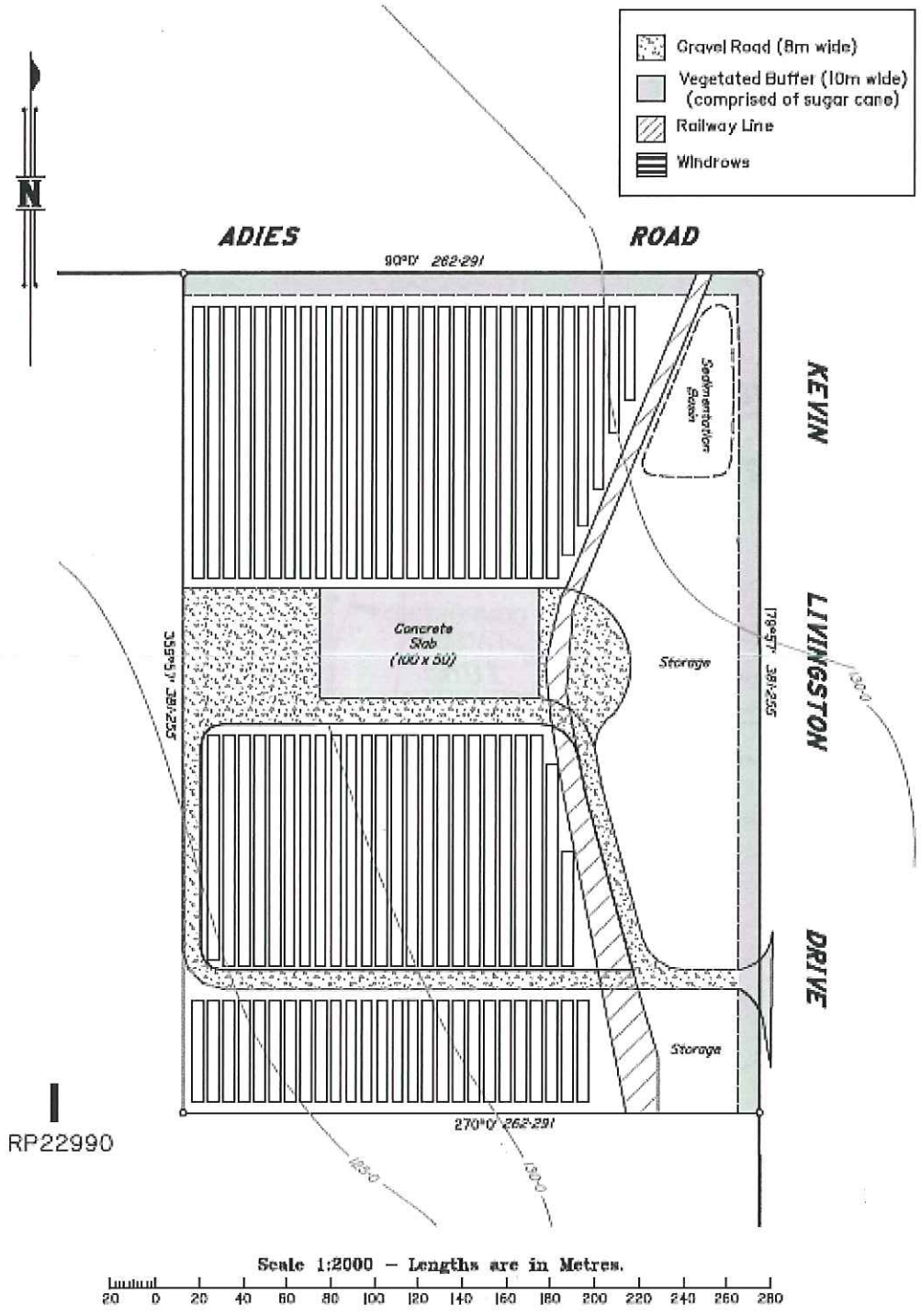


**Figure 2**




**END OF PERMIT**

# SARA technical agency assessment response

## Technical agency (TA)— Department of Environment and Heritage Protection

| | |
|---|---|
| DSDIP reference: | SDA-0316-028939 |
| DSDIP Role: | referral agency |
| DSDIP regional office: | SARA Wide Bay Burnett |
| DSDIP email: | |
| | [NB. All responses are to be returned to this email address] |
| TA reference: | EPPR03823216; 328785 |
| TA contact name: | Rebecca Griffiths |
| TA contact details: | rebecca.griffiths@ehp.qld.gov.au; 07 3330 5517 |
| TA approver: | Kelly Gleeson, Manager |

## 1.0 Application details

| | |
|---|---|
| Street address: | 718 Adies - Isis Central, Bundaberg Regional - QLD |
| Lot on plan: | 1 RP22990 |
| Local government area: | Bundaberg Regional |
| Applicant name: | Australian Prime Fibre Pty Ltd |
| Applicant contact details: | randall@insitesjc.com.au |

## 2.0 Aspects of development and type of approval being sought

| Nature of Development | Approval Type | Brief Proposal of Description | Level of Assessment |
|---|---|---|---|
| Material Change of Use | Development permit | rural industry (composting facility) ERA 33 and ERA 53 | Code Assessment |

## 3.0 Matters of interest to the state

The development application has the following matters of interest to the state under the following provisions of the Sustainable Planning Regulation 2009[1]:

**Schedule 7 Referral agencies and their jurisdictions — matters of interest specific to technical agency**

| Trigger ID | Description | Technical Agency |
|---|---|---|
| 7.2.1 | A material change of use for an environmentally relevant activity made assessable under schedule 3, part 1, table 2, item 1 | EHP |

[1] MyDAS does not collect data on assessable development aspects under Schedule 3—this is a matter confirmed by DSDIP during the validation process.

## 4.0 Assessment

*Note: Advice agency's response powers are limited by section 292 of the Sustainable Planning Act 2009.*

### 4.1 Considerations and assessment

The applicant, Australian Prime Fibre Pty Ltd, is currently operating a composting facility at Tardas Rd, Cordalba; they aim to move their operation to a new site at 718 Adies Rd, Isis Central and have applied for ERA 53 and ERA 33 for this site where they intend to increase their current compost output from 30,000t to 60,000t per year. The activity consists of open air, turned windrow composting of sawmill residues (sawdust, bark, woodchip, shavings), mill mud and cane residues. There is a potential for council greenwaste to be composted on site. No food wastes, manure or biosolids are intended to be used as feedstock for the activity. Additives may be used in the compost as required, including Dolomite, urea and ferrous sulphate.

The site is located within a rural area, opposite the Agrifuel manufacturing facility. The nearest sensitive receivers are residences: a residence on Adies Rd is 480m West of closest point of operational area, a residence is located 550m NE of the operational area, and another is 1250m WSW of the operational area.

The site is a cane farm, divided by a cane train line. The nominated composting operational area is in the north-east corner of the site; the majority of the site is used for cane crops. A vegetation management watercourse (a matter of state environmental significance – regulated vegetation intersecting a watercourse) has been identified at the south-west corner of the site. The operational area for the activity is located away from the MSES feature on the site; releases from the activity's sedimentation basins for rainfall events over a 24 hour storm event with an average recurrence interval of 1 in 10 years will released to the watercourse and to stormwater infrastructure on Kevin Livingston Drive. Some active releases may be made following large rainfall events to maintain capacity in the sedimentation basins. All releases from the site will flow to Woco Creek, which subsequently flows to Gregory River.

**Assessment against SDAP v1.7, Module 4 – Environmentally Relevant Activities**

| Performance outcomes | Acceptable outcomes | How the proposal meets the performance outcome** |
|---|---|---|
| **Site suitability** | | |
| **PO1** The choice of the site at which the activity is to be carried out minimises serious environmental harm on areas of high conservation value and special significance, and sensitive land uses at adjacent places. | **AO1.1** Both of the following apply:<br>(1) areas of high conservation value and special significance likely to be affected by the activity are identified and evaluated, and any adverse effects on these areas are minimised, including any edge effects on the areas | **Meets AO1.2**<br>The proposed site is located in a rural zone, with nearest sensitive receivers (residences) at least 480m from the operational area of the site. There is a vegetation management watercourse (a matter of state environmental significance – regulated vegetation intersecting a watercourse) in the south-west |

| | | |
|---|---|---|
| | (2) the activity does not have an adverse effect beyond the site.<br>OR<br>**AO1.2** Both of the following apply:<br>(1) areas of high conservation value and special significance likely to be affected by the proposal are identified and evaluated and any adverse effects on the areas are minimised, including any edge effects on the areas<br>(2) critical design requirements will prevent emissions having an irreversible or widespread impact on adjacent areas. | corner of the site. The major environmental risks from the activity include: dust and odour nuisance at sensitive receivers, and the release of contaminants to waters affecting the MSES watercourse and Woco Creek. The effects of the activity on the MSES and sensitive receivers are minimised by:<br>- Odour & dust – the location provides a significant buffer to sensitive receivers. Management of feedstock will reduce odours (feedstock includes sawmill residues (sawdust, bark, woodchip, shavings), mill mud and cane residues and potentially greenwaste). Dust modelling and odour modelling indicates the levels from the activity will not be above health & wellbeing objectives and guideline values respectively at sensitive receivers.<br>- Waters – there is significant storage capacity for stormwater/leachate on site (up to a 24 hour storm event with an average recurrence interval of 1 in 10 years); contaminant release limits are to be applied to releases to minimise the likelihood of impacting the MSES watercourse and Woco Creek values. |
| **Location of activity on the site** | | |
| **PO2** The location for the activity on the site protects | **AO2.1** The location of the activity means there will be | **Meets AO2.2**<br>The operational area on site |

| | | |
|---|---|---|
| all environmental values relevant to adjacent sensitive land uses. | no adverse effect on any environmental values.<br>OR<br>**AO2.2** Both of the following apply:<br>(1) the activity and components of the activity are located on the site in a way that prevents or minimises adverse effects on the use of adjacent land and allows for effective management of the environmental impacts of the activity<br>(2) areas used for storing environmentally hazardous materials in bulk are located to take into consideration the likelihood of flooding. | has been nominated as the north-east corner; the MSES vegetation management watercourse is located in the south-west corner. Regular operation of the activity should not impact the watercourse. It is noted that some stormwater/leachate releases may occur as a result of rainfall events above the 24 hour storm event with an average recurrence interval of 1 in 10 years, or where releases are required to maintain storage capacity in the sedimentation basins after a large rainfall event. Some releases from the basins on-site are to the MSES vegetation management watercourse, however, contaminant limits are to be applied to releases from the basins.<br>The site is not located in a flood zone. |
| **PO3** The activity avoids adverse impacts on matters of state environmental significance or, where this is not reasonably possible, impacts are minimised and, where this is not reasonably possible, an environmental offset is provided for any significant residual impact to matters of state environmental matters that are prescribed environmental matters. | **AO3.1** Matters of state environmental significance likely to be affected by the activity are identified and evaluated, and any adverse effects on the matters of state environmental significance are avoided or, where this cannot be reasonably achieved, impacts are minimised, and where this cannot be reasonably achieved, an environmental offset is provided for any significant residual impact to matters of state environmental significance that are prescribed environmental matters.<br>Editor's note: Applications for development should identify anticipated losses, and outline | **Meets AO3.1**<br>An area of 0.5 km on site is marked as a vegetation management watercourse, and is a matter of state environmental significance (regulated vegetation intersecting a watercourse). This watercourse and its associated vegetation is not within the operational area. There is a potential for infrequent releases from the sedimentation basins to flow through the regulated watercourse, however the potential for contamination is minimised by retention capacity of sedimentation basins (reducing the likelihood of releases), and contaminant limits to be imposed upon releases. No vegetation is to |

| | | |
|---|---|---|
| | what actions are proposed to be undertaken to offset the loss in accordance with the Significant Residual Impact Guideline and the relevant Queensland Environmental Offsets Policy. | be affected by proposed activity. The activity is not considered to cause a significant residual impact on the MSES. |
| **PO4** Development avoids or minimises and offsets any adverse impacts on riparian areas and ecological corridors located in a strategic environmental area. | **AO4.1** Development is set back from a waterway by at least 200 metres.<br>AND<br>**AO4.2** Development minimises adverse impacts on fish passage during works and the carrying out of the activity.<br>AND<br>**AO4.3** Clearing of riparian vegetation is minimised or, where this cannot be reasonably achieved, an environmental offset is provided for any significant residual impact.<br>AND<br>**AO4.4** Natural regeneration of native plant species is facilitated in cleared riparian areas. | **Meets AO4.1-4**<br>The site is not located in a strategic environmental area. There has been no proposed clearing of vegetation for the activity – the site is a pre-developed farm site. No interference with a watercourse is to occur as a result of the activity. |
| **Critical design requirements** | | |
| **PO5** The design of the facility at which the activity is to be carried out permits the activity to be carried out in accordance with best practice environmental management. | **AO5.1** The activity does not involve the storage, production, treatment or release of hazardous contaminants, or involve a regulated structure.<br>OR<br>**AO5.2** Development ensures that—<br>(1) all storage provided for hazardous contaminants includes secondary containment to prevent or minimise releases to the environment from spillage or leaks.<br>(2) regulated structures must comply with the Manual for assessing consequence categories | **Meets AO5.2**<br>All feedstock is stored/processed on an impervious base (compacted earth with cracker dust, with a concrete pad for blending and screening). Leachate run-off is captured in sedimentation basins designed to capture events up to a 24 hour storm event with an average recurrence interval of 1 in 10 years. There are no regulated structures on site. The site is not located in a flood zone. Leachate is to be re-used in compost, and released as last resort only when meeting contaminant limits. |

| | | |
|---|---|---|
| | and hydraulic performance of structures, Department of Environment and Heritage Protection, 2013.<br>(3) containers are provided for the storage of hazardous contaminants and are secured to prevent the removal of the containers from the site by a flood event.<br>(4) the design of the facility—<br>(a) prevents or minimises the production of hazardous contaminants and waste, or<br>(b) contains and treats hazardous contaminants, rather than releasing them. | |
| **PO6** Development avoids or minimises any adverse impacts from pollutants on environmental values and water quality objectives for receiving waters (surface and groundwater) on site or leaving a site located in a strategic environmental area. | **AO6.1** Development demonstrates current best practice environmental management to meet relevant environmental values and water quality objectives of the Environmental Protection (Water) Policy or relevant to the ERA to be carried out on the site.<br>OR<br>**AO6.2** All stormwater, wastewater, discharges and overflows leaving the site are:<br>(1) treated to the quality of the receiving waters prior to discharge, or<br>(2) reclaimed or re-used such that there is no export of pollutants to receiving waters. | **Meets AO6.1**<br>The site not located within a strategic environmental area or adjacent to a strategic environmental area. The frequency of releases from the site to waters has been minimised, and limits are to be imposed on releases based on environmental objectives for the receiving environment. |

## 5.0 Recommendations

### 5.1 Technical agency advice for SARA as advice agency

Our department:

(a) recommends the following issues be addressed by applying conditions that should attach to any development approval (SPA section 292(1)(a)).

| **SARA Model Conditions Version:** Version 1.7 | | |
|---|---|---|
| **Aspect of development: Material Change of Use** | | |
| **Compliance timing**<br>Unless specified in the issues below the timing for all conditions should be: At all times | | |
| **No.** | **Condition ID** | **Issues to be addressed or variations to model condition** |
| **Environmentally Relevant Activities** | | |
| 1. | AD01 | Insert relevant plan references from s5.2 of this report |

### 5.2 Approved plans and specifications

Our department recommends that the following plans and specifications should be referenced in the response:

| Drawing/Report Title | Prepared by | Date | Reference no. | Version/Issue |
|---|---|---|---|---|
| **Aspect of development: Material Change of Use** | | | | |
| Existing Site and Adjoining Uses Plan Lot 1 on RP22990 718 Adies Road, Isis Central | InsiteSJC | Feb. 2016 | GC16-032-T01 A | |

## 6.0 Endorsement

| | | | | |
|---|---|---|---|---|
| **Officer** | Rebecca Griffiths | Senior Environmental Officer | 07 3330 5517 | rebecca.griffiths@ehp.qld.gov.au |
| **Approver** | Kelly Gleeson | Manager | 07 3330 5044 | kelly.gleeson@ehp.qld.gov.au |
| | Signature:  | | | Date: 26/4/16. |